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UNITED STATES  
DEPARTMENT OF AGRICULTURE

**AGRICULTURAL  
STATISTICS  
1988**



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# Agricultural Statistics, 1988

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## CONTENTS

	Page		Page
Introduction .....	III	VII—Cattle, hogs, and sheep:	
Weights, measures, and conversion factors.....	IV	Cattle and calves.....	258
I—Grains:		Hogs.....	271
Total grain supply .....	1	Sheep and lambs .....	282
Food grains:		Wool .....	293
Wheat.....	1	Goats and mohair .....	298
Rye.....	15	Meats and meat products.....	300
Rice.....	19	Hides .....	308
Feed grains:		Livestock index numbers.....	310
Corn .....	30	VIII—Dairy and poultry products:	
Oats.....	38	Cows and dairy products .....	318
Barley.....	43	Chickens .....	348
Sorghum .....	50	Turkeys.....	355
Grain consumption.....	49	Eggs .....	365
Animal units fed.....	58	IX—Farm resources, income and expenses:	
Feedstuffs .....	60	Economic trends.....	370
II—Cotton, tobacco, sugar crops, and honey:		Farm property.....	371
Cotton.....	61	Population and employment.....	383
Sugar beets.....	76	Farm production and distribution.....	388
Sugar.....	79	Prices and income.....	397
Honey and beeswax.....	90	Costs and expenses .....	414
Syrups .....	91	X—Taxes, insurance, cooperatives, and credit:	
Tobacco.....	93	Taxes and insurance .....	418
III—Oilseeds, fats, and oils:		Credit and loan programs .....	424
Cottonseed.....	108	Farmers' cooperatives.....	436
Flaxseed.....	112	Rural electrification and telephones.....	438
Peanuts.....	117	XI—Stabilization and price-support programs:	
Soybeans.....	124	Price support .....	447
Sunflower.....	130	Payments to producers .....	457
Peppermint and spearmint.....	133	Marketing agreements and orders .....	459
Olive oil.....	135	XII—Agricultural conservation and forestry	
Margarine.....	135	statistics:	
Shortening.....	136	Conservation and pollution abatement	
Fats and oils .....	138	programs.....	460
IV—Vegetables and melons:		Soil conservation programs.....	468
Vegetables and melons.....	144	Forestry .....	474
Vegetable arrivals and shipments.....	175	XIII—Consumption and family living:	
Vegetable utilization.....	178	Population .....	488
Commercial pack .....	181	Food consumption and nutrition .....	489
V—Fruits, tree nuts, and horticultural specialties:		Prices at retail levels .....	499
Fruits and berries.....	185	Food service establishments .....	501
Tree nuts .....	232	XIV—Miscellaneous statistics:	
Cocoa beans, coffee, and tea .....	237	Agricultural imports and exports.....	503
Mushrooms.....	240	Food acquisitions.....	515
Flowers .....	241	Fishery statistics .....	516
VI—Hay, seeds, and minor field crops:		Refrigeration statistics .....	528
Hay .....	242	Alaska statistics.....	529
Pasture and range .....	247	Index.....	531
Rates of seeding .....	248		
Seeds.....	250		
Beans, dry edible.....	252		
Peas, dry .....	255		
Hops .....	256		

# Introduction

*Agricultural Statistics* is published each year to meet the diverse need for a reliable reference book on agricultural production, supplies, consumption, facilities, costs, and returns. Its tables of annual data cover a wide variety of facts in forms suited to most common use.

Inquiries concerning more current or more detailed data, past and prospective revisions, or the statistical methodology used should be addressed directly to the agency credited with preparing the table. Most of the data were prepared or compiled in the U.S. Department of Agriculture.

The historical series in this volume have been generally limited to data beginning with 1973 or later.

Foreign agricultural trade statistics include Government as well as non-Government shipments of merchandise from the United States and Territories to foreign countries. They do not include U.S. shipments to the U.S. Armed Forces abroad for their own use or shipments between the States and U.S. Territories. The world summaries of production and trade of major farm products are prepared by the U.S. Department of Agriculture from reports of the U.S. Department of Commerce, official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, and the result of office research.

Statistics presented in many of the tables represent actual counts of the items covered. Most of the statistics relating to foreign trade and to Government programs, such as numbers and amounts of loans made to farmers, and amounts of loans made by the Commodity Credit Corporation, etc., are data of this type. A large number of other tables, however, contain data that are estimates made by the Department of Agriculture.

The estimates for crops, livestock, and poultry made by the U.S. Department of Agriculture are prepared mainly to give timely current State and national totals and averages. They are based on data obtained by sample surveys of farmers and of people who do business with farmers. The survey data are supplemented by information from the Censuses of Agriculture taken every 5 years and check data from various sources. Being estimates, they are subject to revision as more data become available from commercial or Government sources. Unless otherwise indicated, the totals for the United States shown in the various tables on area, production, numbers, price, value, supplies, and disposition are based on official Department estimates. They exclude States for which no official estimates are compiled.

## DEFINITIONS

“Value of production” as applied to crops in the various tables, is derived by multiplying production by the estimated season average price received by farmers for that portion of the commodity actually sold. In the case of fruits and vegetables, quantities not harvested because of low prices or other economic factors are not included in value of production. The word “Value” is used in the inventory tables on livestock and poultry to mean value of the number of head on the inventory date. It is derived by multiplying the number of head by an estimated value per head as of the date.

The word “Year” (alone) in a column heading means calendar year unless otherwise indicated. “Ton” when used in this book without qualifications means a short ton of 2,000 pounds.

**WEIGHTS, MEASURES, AND CONVERSION FACTORS**

The following table on weights, measures, and conversion factors covers the most important agricultural products, or the products for which such information is most frequently asked of the U.S. Department of Agriculture. It does not cover all farm products nor all containers for any one product.

The information has been assembled from State schedules of legal weights, various sources within the U.S. Department of Agriculture, and other Government agencies. For most products, particularly fruits and vegetables, there is a considerable variation in weight per unit of volume due to differences in variety or size of commodity, condition and tightness of pack, degree to which the container is heaped, etc. Effort has been made to select the most representative and fairest average for each product. For those commodities which develop considerable shrinkage, the point of origin weight or weight at harvest has been used.

The approximate or average weights as given in this table do not necessarily have official standing as a basis for packing or as grounds for settling disputes. Not all of them are recognized as legal weight. The table was prepared chiefly for use of workers in the U.S. Department of Agriculture who have need of conversion factors in statistical computations.

WEIGHTS, MEASURES, AND CONVERSION FACTORS  
(See explanatory text just preceding this table)

WEIGHTS AND MEASURES

Commodity	Unit <sup>1</sup>	Approximate net weight		Commodity	Unit <sup>1</sup>	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		<i>Pounds</i>	<i>Kilo-grams</i>			<i>Pounds</i>	<i>Kilo-grams</i>
Alfalfa seed .....	Bushel.....	60	27.2	Celery .....	Crate <sup>11</sup> .....	60	27.2
	{ do.....	48	21.8	Cherries.....	{ Lug (Campbell) <sup>12</sup> .....	16	7.3
Apples.....	{ Northwest box <sup>2</sup> .....	44	20.0		{ Lug.....	20	9.1
	{ Fiberboard box, cell pack.....	37-44	16.8-20.0	Clover seed .....	Bushel.....	60	27.2
Apricots.....	Lug (brentwood) <sup>3</sup> .....	24	10.9	Corn:			
Western.....	4-basket crate <sup>4</sup> .....	26	11.8	Ear, husked .....	Bushel.....	<sup>13</sup> 70	31.8
Artichokes:				Shelled.....	do.....	56	25.4
Globe.....	½-box.....	20	9.1	Meal.....	do.....	50	22.7
Jerusalem.....	Bushel.....	50	22.7	Oil.....	Gallon.....	<sup>10</sup> 7.7	3.5
Asparagus.....	Crate.....	30	13.6	Strup.....	do.....	11.72	5.3
Avocados.....	Lug <sup>5</sup> .....	12-15	5.4-6.8	Sweet.....	{ Mesh or paper bag.....	45-50	20.4-22.7
Bananas.....	{ Fiber folding box <sup>6</sup> .....	40	18.1		{ Wirebound crate.....	40-60	18.1-27.2
Barley.....	Bushel.....	48	21.8	Cotton.....	{ Bale, gross.....	<sup>14</sup> 500	227
Beans:					{ Bale, net.....	<sup>14</sup> 480	218
Lima, dry.....	do.....	56	25.4	Cottonseed.....	Bushel.....	<sup>15</sup> 32	14.5
Other, dry.....	{ do.....	60	27.2	Cottonseed oil.....	Gallon.....	<sup>10</sup> 7.7	3.5
Lima, unshelled.....	Bushel.....	28-32	12.7-14.5	Cowpeas.....	Bushel.....	60	27.2
Snap.....	do.....	28-32	12.7-14.5	Cranberries.....	{ Barrel.....	100	45.4
Beets:					{ ¼-bbl. box <sup>16</sup> .....	25	11.3
Without tops.....	do.....	50	22.7	Cream, 40-percent butterfat.....	Gallon.....	8.38	3.80
Bunched.....	Wirebound crate.....	45	20.4	Cucumbers.....	Bushel.....	48	21.8
Berries frozen pack:				Dewberries.....	24-qt. crate.....	36	16.3
Without sugar.....	50-gal. barrel.....	380	172	Eggplant.....	Bushel.....	33	15.0
3 + 1 pack.....	do.....	425	193	Eggs, average size.....	dozen.....	47.0	21.3
2 + 1 pack.....	do.....	450	204	Escarole.....	Bushel.....	25	11.3
Blackberries.....	24-qt. crate.....	36	16.3	Figs, fresh.....	Box single layer <sup>17</sup> .....	6	2.7
Bluegrass seed.....	Bushel.....	14-30	6.4-13.6	Flaxseed.....	Bushel.....	56	25.4
Broccoli.....	Wirebound crate.....	20-25	9.1-11.3	Flour, various.....	Bag.....	100	45.4
Broomcorn (6 bales per ton).....	Bale.....	333	151	Grapefruit:			
Broomcorn seed.....	Bushel.....	44-50	20.0-22.7	Florida and Texas.....	½-box mesh bag.....	40	18.1
Brussels sprouts.....	Drums.....	25	11.3	Florida.....	1½ bu. box.....	85	38.6
Buckwheat.....	Bushel.....	48	21.8	Texas.....	1½ bu. box.....	80	36.3
Butter.....	Box.....	64	29.0	California:			
	{ Open mesh bag.....	50	22.7	Desert Valleys and Arizona.....	{ Box <sup>18</sup> .....	<sup>19</sup> 64	29.0
Cabbage.....	{ Wirebound crate <sup>7</sup> .....	50	22.7		{ Carton <sup>20</sup> .....	32	14.5
	{ Western crate <sup>8</sup> .....	80	36.3	California other than Desert Valleys.....	{ Box <sup>18</sup> .....	67	30.4
Cantaloups.....	Jumbo crate <sup>9</sup> .....	83	37.6		{ Carton <sup>20</sup> .....	33½	15.2
Carrots:				Grapes:			
Without tops.....	{ Bushel.....	50	22.7	Eastern.....	{ 4-qt. climax basket.....	6	2.7
	{ Open mesh bag.....	50	22.7		{ 12-qt. basket.....	18-20	8.2-9.1
Castor beans.....	Bushel.....	41	18.6	Western.....	{ Lug <sup>21</sup> .....	28	12.7
Castor oil.....	Gallon.....	<sup>10</sup> 8	3.6		{ 4-basket crate <sup>22</sup> .....	20	9.1
	{ W.G.A. crate.....	50-60	22.7-27.2	Hempseed.....	Bushel.....	44	20.0
	{ Fiberboard box.....			Hickory nuts.....	do.....	50	22.7
Cauliflower.....	{ wrapper leaves removed.....			Honey.....	Gallon.....	11.84	5.4
	{ film-wrapped, 2 layers.....	23-35	10.4-15.9	Honeydew melons.....	Jumbo crate <sup>23</sup> .....	44	20.0
				Hops.....	Bale, gross.....	200	90.7

See footnotes on page IX.

## WEIGHTS AND MEASURES—Continued

Commodity	Unit <sup>1</sup>	Approximate net weight		Commodity	Unit <sup>1</sup>	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		Pounds	Kilo-grams			Pounds	Kilo-grams
Horseradish roots.....	{ Bushel.....	35	15.9	Pears:			
	{ Barrel.....	100	45.4	California.....	Bushel.....	48	21.8
Hungarian millet seed.....	Bushel.....	48 and 50	21.8-22.7	Other.....	do.....	50	22.7
Kale.....	do.....	18	8.2	Western.....	Box <sup>27</sup> .....	46	20.9
Kapok seed.....	do.....	35-40	15.9-18.1	Peas:			
Lard.....	Tierce.....	375	170	Green,			
Lemons:				unshelled.....	Bushel.....	28-30	12.7-13.6
California and Arizona.....	{ Box <sup>24</sup> .....	<sup>19</sup> 76	34.5	Dry.....	do.....	60	27.2
	{ Carton <sup>20</sup> .....	38	17.2	Peppers, green.....	{ Fiberboard carton.....	30-34	13.6-15.4
Lentils.....	Bushel.....	60	27.2		{ Crate <sup>28</sup> .....	37-40	16.8-18.1
Lettuce.....	Fiberboard box, carton.....	38-55	17.2-24.9	Perilla seed.....	Bushel.....	70	31.8
Lettuce, hot-house.....	24-qt. basket.....	10	4.5	Pineapples.....			
Limes (Florida).....	Box.....	80	36.3	Plums and prunes:			
Linseed oil.....	Gallon.....	<sup>10</sup> 7.7	3.5	California.....	4-basket crate <sup>29</sup> .....	28-34	12.7-15.4
Malt.....	Bushel.....	34	15.4	Other.....	½-bu. basket.....	28	12.7
Maple syrup.....	Gallon.....	11.02	5.00	Popcorn:			
Meadow fescue seed.....	Bushel.....	24	10.9	On ear.....	Bushel.....	<sup>13</sup> 70	31.8
Milk.....	Gallon.....	8.6	3.90	Shelled.....	do.....	56	25.4
Millet.....	Bushel.....	48-60	21.8-22.7	Poppy seed.....	do.....	46	20.9
Molasses, edible.....	Gallon.....	11.74	5.3		{ Bushel.....	60	27.2
Molasses, inedible.....	do.....	11.74	5.3	Potatoes.....	{ Barrel.....	165	74.8
Mustard seed.....	Bushel.....	58-60	26.3-27.2		{ Bag.....	50	22.7
Oats.....	do.....	32	14.5		{ do.....	100	45.4
Olives.....	Lug <sup>21</sup> .....	25-30	11.3-13.6	Quinces.....	Bushel.....	48	21.8
Olive oil.....	Gallon.....	<sup>10</sup> 7.6	3.5	Rapeseed.....	do.....	50 and 60	22.7-27.2
Onions, dry.....	Sack.....	50	22.7	Raspberries.....	24-qt. crate.....	36	16.3
Onions, green bunched.....	Crate.....	60-65	27.2-29.5	Redtop seed.....	Bushel.....	50 and 60	22.7-27.2
Onion sets.....	Bushel.....	28-32	12.7-14.5	Refiners' syrup.....	Gallon.....	11.45	5.2
Oranges:				Rice:			
Florida and Texas.....	{ ½-box mesh bag.....	45	20.4	Rough.....	{ Bushel.....	45	20.4
	{ Box <sup>25</sup> .....	90	40.8		{ Bag.....	100	45.4
California and Arizona.....	{ Box <sup>18</sup> .....	<sup>19</sup> 75	34.0	Milled.....	{ Barrel.....	162	73.5
	{ Carton <sup>20</sup> .....	37½	17.0	Rosin.....	{ Pocket or bag.....	100	45.4
Orchardgrass seed.....	Bushel.....	14	6.4	Rutabagas.....	Drum, net.....	520	236
Palm oil.....	Gallon.....	<sup>10</sup> 7.7	3.5	Sesame seed.....	Bushel.....	56	25.4
Parsnips.....	Bushel.....	50	22.7		do.....	56	25.4
	do.....	48	21.8	Shallots.....	do.....	46	20.9
Peaches.....	{ Lug box <sup>21</sup> .....	20	9.1		{ Crate (4-7 doz. bunches).....	20-35	9.1-15.9
	{ California fruit box.....	<sup>26</sup> 18	8.2	Sorgo:			
Peanut oil.....	Gallon.....	<sup>10</sup> 7.7	3.5	Seed.....	Bushel.....	50	22.7
Peanuts, unshelled:				Syrup.....	Gallon.....	11.55	5.2
Virginia type.....	Bushel.....	17	7.7	Sorghum grain <sup>30</sup> .....	Bushel.....	56	25.4
Runners, Southeastern.....	do.....	21	9.5	Soybeans.....	do.....	60	27.2
Spanish:				Soybean oil.....	Gallon.....	<sup>10</sup> 7.7	3.5
Southeastern.....	do.....	25	11.3	Spelt.....	Bushel.....	40	18.1
Southwestern.....	do.....	25	11.3	Spinach.....	do.....	18-20	8.2-9.1
	do.....	25	11.3	Strawberries.....	{ 24-qt. crate.....	36	16.3
	do.....	25	11.3		{ 12-pt. crate.....	9-11	4.1-5.0
	do.....	25	11.3	Sudangrass seed.....	Bushel.....	40	18.1
	do.....	25	11.3	Sugarcane:			
	do.....	25	11.3	Syrup			
	do.....	25	11.3	(sulfured or unsulfured).....	Gallon.....	11.45	5.2
	do.....	25	11.3	Sunflower seed.....	Bushel.....	24 and 32	10.9-14.5
	do.....	25	11.3	Sweetpotatoes.....	{ do.....	<sup>31</sup> 55	24.9
	do.....	25	11.3		{ Crate.....	50	22.7
	do.....	25	11.3	Tangerines, Florida.....	%-bu. box.....	47½	21.5

See footnotes on page IX.

WEIGHTS AND MEASURES—Continued

Commodity	Unit <sup>1</sup>	Approximate net weight		Commodity	Unit <sup>1</sup>	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		<i>Pounds</i>	<i>Kilo-grams</i>			<i>Pounds</i>	<i>Kilo-grams</i>
Timothy seed .....	Bushel .....	45	20.4	Tung oil .....	Gallon .....	<sup>10</sup> 7.8	3.5
Tobacco:				Turnips:			
Maryland .....	Hogshead .....	775	352	Without tops .....	Mesh sack .....	50	22.7
Flue-cured .....	do .....	950	431	Bunched .....	Crate <sup>8</sup> .....	70-80	31.8-36.3
Burley .....	do .....	975	442	Turpentine .....	Gallon .....	7.23	3.3
Dark air-cured .....	do .....	1,150	522	Velvetbeans			
Virginia fire-cured .....	do .....	1,350	612	(hulled) .....	Bushel .....	60	27.2
Kentucky and Tennessee fire-cured .....	do .....	1,500	680	Vetch .....	do .....	60	27.2
Cigar-leaf .....	Case .....	250-365	113-166	Walnuts .....	do .....	50	22.7
	Bale .....	150-175	68.0-79.4	Water 60° F .....	Gallon .....	8.33	3.8
	Crate .....	60	27.2	Watermelons .....	Melons of average or medium size .....	25	11.3
Tomatoes .....	Bale .....	150-175	68.0-79.4	Wheat .....	Bushel .....	60	27.2
	Crate .....	60	27.2	Various commodities.	Short ton .....	2,000	907
	Lug box <sup>21</sup> .....	32	14.5		Long ton .....	2,240	1,016
	2-layer flat .....	21	9.5		Metric ton .....	2,204.6	1,000
Tomatoes, hothouse .....	12-qt. basket .....	20	9.1				

See footnotes on page IX.

To Convert From Avoirdupois Pounds

To	Multiply by
Kilograms .....	0.45359237
Metric tons .....	0.00045359237

Conversion Factors

- 1 Metric ton = 2,204.622 pounds
- 1 Kilogram = 2.2046 pounds
- 1 Acre = 0.4047 hectares
- 1 Hectare = 2.47 acres
- 1 Square mile = 640 acres = 259 hectares
- 1 Gallon = 3.7853 liters

## CONVERSION FACTORS

Commodity	Unit	Approximate equivalent
Apples .....	1 pound dried .....	7 pounds fresh; beginning 1943, 8 pounds fresh
Do .....	1 pound chops .....	5 pounds fresh
Do .....	1 case canned <sup>32</sup> .....	1.4 bushels fresh
Applesauce .....	do <sup>32</sup> .....	1.2 bushels fresh
Apricots .....	1 pound dried .....	6 pounds fresh
Barley flour .....	100 pounds .....	4.59 bushels barley
Beans, lima .....	1 pound shelled .....	2 pounds unshelled
Beans, snap or wax .....	1 case canned <sup>33</sup> .....	0.008 ton fresh
Buckwheat flour .....	100 pounds .....	3.47 bushels buckwheat
Calves .....	1 pound live weight .....	0.557 pound dressed weight (1954-63 average)
Cattle .....	do .....	0.561 pound dressed weight (1954-63 average)
Cane syrup .....	1 gallon .....	5 pounds sugar
Cherries, tart .....	1 case canned <sup>32</sup> .....	0.023 ton fresh
Chickens .....	1 pound live weight .....	0.72 pound ready-to-cook weight
Corn, shelled .....	1 bushel (56 lbs.) .....	2 bushels (70 pounds) of husked ear corn
Corn, sweet .....	1 case canned <sup>33</sup> .....	0.030 ton fresh
Cornmeal:		
Degermed .....	100 pounds .....	3.16 bushels corn, beginning 1946
Nondegermed .....	do .....	2 bushels corn, beginning 1946
Cotton .....	1 pound ginned .....	3.26 pounds seed cotton, including trash <sup>34</sup>
Cottonseed meal .....	1 pound .....	2.10 pounds cottonseed
Cottonseed oil .....	do .....	5.88 pounds cottonseed
Dairy products:		
Butter .....	do .....	21.1 pounds milk
Cheese .....	do .....	10 pounds milk
Condensed milk, whole .....	do .....	2.3 pounds milk
Dry cream .....	do .....	1.9 pounds milk
Dry milk, whole .....	do .....	7.6 pounds milk
Evaporated milk, whole .....	do .....	2.14 pounds milk
Malted milk .....	do .....	2.6 pounds milk
Nonfat dry milk .....	do .....	1.1 pounds liquid skim milk
Ice cream <sup>35</sup> .....	1 gallon .....	15 pounds milk
Ice cream <sup>35</sup> (eliminating fat from butter and concentrated milk) .....	do .....	12 pounds milk
Eggs .....	1 case .....	47 pounds
Eggs, shell .....	do .....	39.5 pounds frozen or liquid whole eggs
Do .....	do .....	10.3 pounds dried whole eggs
Figs .....	1 pound dried .....	3 pounds fresh in California; 4 pounds fresh elsewhere
Flaxseed .....	1 bushel .....	About 2½ gallons oil
Grapefruit, Florida .....	1 case canned juice <sup>33</sup> .....	0.64 box fresh fruit
Hogs .....	1 pound live weight .....	0.579 pound dressed weight, excluding lard (1954-63 average)
Linseed meal .....	1 pound .....	1.51 pounds flaxseed
Linseed oil .....	do .....	2.77 pounds flaxseed
Malt .....	1 bushel (34 lbs.) .....	1 bushel barley (48 lbs.)
Maple syrup .....	1 gallon .....	8 pounds maple sugar
Nuts:		
Almonds, imported .....	1 pound shelled .....	3½ pounds unshelled
Almonds, California .....	do .....	2.22 pounds unshelled through 1949; 2 pounds thereafter
Brazil .....	do .....	2 pounds unshelled
Cashews .....	do .....	4.55 pounds unshelled
Chestnuts .....	do .....	1.19 pounds unshelled
Filberts .....	do .....	2.22 pounds unshelled through 1949; 2.5 pounds thereafter
Pecans:		
Seedling .....	do .....	2.78 pounds unshelled
Improved .....	do .....	2.50 pounds unshelled
Pignolias .....	do .....	1.3 pounds unshelled
Pistachios .....	do .....	2 pounds unshelled
Walnuts:		
Black .....	do .....	5.88 pounds unshelled
Persian (English) .....	do .....	2.67 pounds unshelled
Oatmeal .....	100 pounds .....	7.6 bushels oats, beginning 1943
Oranges, Florida .....	1 case canned juice <sup>33</sup> .....	0.53 box fresh
Peaches, California, freestone .....	1 pound dried .....	5½ pounds fresh through 1918; 6 pounds fresh for 1919-28; and 6½ pounds fresh from 1929 to date
Peaches, California, clingstone .....	do .....	7½ pounds fresh
Peaches, clingstone .....	1 case canned <sup>32</sup> .....	1 bushel fresh
Do .....	do .....	0.0230 ton fresh
Peanuts .....	1 pound shelled .....	1½ pounds unshelled
Pears .....	1 pound dried .....	6½ pounds fresh
Pears, Bartlett .....	1 case canned <sup>33</sup> .....	1.1 bushels fresh
Do .....	do .....	0.026 ton fresh

See footnotes on page IX.



CONVERSION FACTORS—Continued

Commodity	Unit	Approximate equivalent
Peas, green.....	1 pound shelled.....	2½ pounds unshelled
Do.....	1 case canned <sup>33</sup> .....	0.009 ton fresh (shelled)
Prunes.....	1 pound dried.....	2.7 pounds fresh in California; 3 to 4 pounds fresh elsewhere
Raisins.....	1 pound.....	4.3 pounds fresh grapes
Rice, milled (excluding brewers).....	100 pounds.....	152 pounds rough or unshelled rice
Rye flour.....	do.....	2.23 bushels rye, beginning 1947
Sheep and lambs.....	1 pound live weight.....	0.482 pound dressed weight (1954-63 average)
Soybean meal.....	1 pound.....	1.27 pounds soybeans
Soybean oil.....	do.....	5.49 pounds soybeans
Sugar.....	1 ton raw.....	0.9346 ton refined
Tobacco.....	1 pound farm-sales weight.....	Various weights of stemmed and unstemmed, according to aging and the type of tobacco. (See circular 435, U.S. Dept. of Agr.)
Tomatoes.....	1 case canned <sup>33</sup> .....	0.018 ton fresh
Turkeys.....	1 pound live weight.....	0.80 pound ready-to-cook weight
Wheat flour.....	100 pounds.....	2.30 bushels wheat <sup>36</sup>
Wool, domestic apparel shorn.....	1 pound greasy.....	0.48 pounds scoured
Wool, domestic apparel pulled.....	do.....	0.73 pound scoured

<sup>1</sup> Standard bushel used in the United States contains 2,150.42 cubic inches; the gallon, 231 cubic inches; the cranberry barrel, 5,826 cubic inches; and the standard fruit and vegetable barrel, 7,056 cubic inches. Such large-sized products as apples and potatoes sometimes are sold on the basis of a heaped bushel, which would exceed somewhat the 2,150.42 cubic inches of a bushel basket level full. This also applies to such products as sweetpotatoes, peaches, green beans, green peas, spinach, etc.

<sup>2</sup> Approximate inside dimensions, 10½ by 11½ by 18 inches.  
<sup>3</sup> Approximate inside dimensions, 4½ by 12½ by 16½ inches.  
<sup>4</sup> Approximate inside dimensions, 4½ by 16 by 16½ inches.  
<sup>5</sup> Approximate dimensions, 4½ by 13½ by 16½ inches.  
<sup>6</sup> Approximate inside dimensions, 13 by 12 by 32 inches.  
<sup>7</sup> Inside dimensions vary. Common sizes are 13 by 13 by 22½ inches, and 13 by 15½ by 23 inches.  
<sup>8</sup> Approximate inside dimensions, 13 by 18 by 21½ inches.  
<sup>9</sup> Approximate inside dimensions, 13 by 13 by 22½ inches.  
<sup>10</sup> This is the weight commonly used in trade practices, the actual weight varying according to temperature conditions.

<sup>11</sup> Approximate inside dimensions, 9¾ by 16 by 20 inches.  
<sup>12</sup> Approximate inside dimensions, 4¾ by 11½ by 14 inches.  
<sup>13</sup> The standard weight of 70 pounds is usually recognized as being about 2 measured bushels of corn, husked, on the ear, because it required 70 pounds to yield 1 bushel, or 56 pounds, of shelled corn.  
<sup>14</sup> For statistical purposes the bale of cotton is 500 pounds or 480 pounds net weight. Prior to Aug. 1, 1946, the net weight was estimated at 478 pounds. Actual bale weights vary considerably, and the customary average weights of bales of foreign cotton differ from that of the American square bale.

<sup>15</sup> This is the average weight of cottonseed, although the legal weight in some States varies from this figure of 32 pounds.

<sup>16</sup> Approximate inside dimensions, 9¾ by 10¾ by 15 inches.  
<sup>17</sup> Approximate inside dimensions, 1¾ by 11 by 16½ inches.  
<sup>18</sup> Approximate inside dimensions, 11½ by 11½ by 24 inches.  
<sup>19</sup> In California and Arizona from 1942 through 1953, the net weights as used by this Department were 77 pounds for oranges, 79 pounds for lemons, and 65 pounds for Desert Valleys grapefruit. Grapefruit in California areas, other than the Desert Valleys, averaged 68 pounds. The new weights effective in 1954 reflect the shift from the "box" to the other ½-box carton as the container used.

<sup>20</sup> Approximate inside dimensions, 10¾ by 10¼ by 16¾ inches for oranges or lemons, and 9¾ by 10¼ by 16¾ inches for grapefruit.

<sup>21</sup> Approximate inside dimensions, 5¾ by 13¾ by 16¾ inches.  
<sup>22</sup> Approximate inside dimensions, 4¾ by 16 by 16½ inches.  
<sup>23</sup> Approximate inside dimensions, 7¾ by 16 by 21¾ inches.  
<sup>24</sup> Approximate inside dimensions, 9¾ by 13 by 25 inches.  
<sup>25</sup> Approximate inside dimensions, 12 by 12 by 24 inches.  
<sup>26</sup> Approximate inside dimensions vary. Common size is 4¾ by 11½ by 16½ inches.  
<sup>27</sup> Approximate inside dimensions, 8¾ by 11½ by 18 inches.  
<sup>28</sup> Approximate inside dimensions, 12 by 10¾ by 33 inches.  
<sup>29</sup> Inside dimensions vary. Ranges from 4 by 16 by 16½ inches to 6 by 16 by 16½ inches.  
<sup>30</sup> Includes both sorghum grain (kafir, milo, hegari, etc.) and sweet sorghum varieties.  
<sup>31</sup> This average of 55 pounds indicates the usual weight of sweetpotatoes when harvested. Much weight is lost in curing or drying and the net weight when sold in terminal markets may be below 55 pounds.

<sup>32</sup> Case of 24 No. 2½ cans.  
<sup>33</sup> Case of 24 No. 303 cans.

<sup>34</sup> Varies widely by method of harvesting.

<sup>35</sup> The milk equivalent of ice cream per gallon is 15 pounds. Reports from plants indicate about 81 percent of the butterfat in ice cream is from milk and cream, the remainder being from butter and concentrated milk. Thus the milk equivalent of the milk and cream in a gallon of ice cream is about 12 pounds.

<sup>36</sup> This is equivalent to 4.51 bushels of wheat per barrel (196 pounds) of flour and has been used in conversions, beginning July 1, 1957. Because of changes in milling processes, the following factors per barrel of flour have been used for earlier periods: 1790-1879, 5 bushel; 1880-1908, 4.75 bushels, 1909-17, 4.7 bushels; 1918 and 1919, 4.5 bushels; 1920, 4.6 bushels; 1921-44, 4.7 bushels; July 1944-Feb. 1946, 4.57 bushels; March 1946-Oct. 1946, average was about 4.31 bushels; and Nov. 1946-June 1957, 4.57 bushels.



# CHAPTER I

## STATISTICS OF GRAIN AND FEED

This chapter contains tables for wheat, rye, rice, corn, oats, barley, sorghum grain, and feedstuffs. Estimates are given of area, production, disposition, supply and disappearance, prices, value of production, stocks, foreign production and trade, price-support operations, animal units fed, and feed consumed by livestock and poultry.

**Table 1.—Total grain: Supply and disappearance, United States, 1973-87**

Year <sup>1</sup>	Supply				Disappearance			Ending stocks
	Begin-ning stocks	Produc-tion	Imports	Total	Domestic use	Exports	Total disap-pearance	
	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>	<i>Million metric tons</i>
1973.....	48.2	237.6	0.3	286.1	178.1	76.4	254.5	31.6
1974.....	31.6	204.4	.6	236.6	142.3	66.7	209.0	27.6
1975.....	33.4	249.1	.5	283.0	155.5	83.7	239.2	43.8
1976.....	43.8	258.1	.4	302.3	154.3	78.9	233.2	69.1
1977.....	69.1	265.9	.4	335.4	162.2	89.5	251.7	83.7
1978.....	83.6	276.2	.4	360.2	180.4	95.4	275.8	84.4
1979.....	84.5	302.6	.3	387.4	185.4	112.2	297.6	89.8
1980.....	89.8	269.7	.4	359.9	172.0	116.0	288.0	71.9
1981.....	71.9	330.8	.4	403.1	179.4	111.8	291.2	111.9
1982.....	111.8	332.9	.6	445.3	195.0	97.2	292.2	153.1
1983.....	153.1	207.5	.8	361.4	182.6	98.7	281.3	80.1
1984.....	80.1	314.6	1.0	395.7	197.8	98.2	296.0	99.7
1985.....	99.7	347.0	1.4	448.1	201.6	64.2	265.8	182.3
1986.....	182.3	315.8	1.4	499.5	217.5	76.9	294.4	203.3
1987 <sup>2</sup> .....	204.2	278.7	1.5	484.4	220.3	98.6	318.9	165.3

<sup>1</sup> Year beginning Sept. 1 for corn and sorghum; June 1 for oats, barley, wheat, and rye; and Aug. 1 for rice.

<sup>2</sup> Preliminary.

Totals may not add due to independent rounding.

Economic Research Service.

**Table 2.—Wheat: Area, yield, production, disposition, and value, United States, 1973-87**

Year	Area		Yield per harvested acre	Production	Used on farms where produced		Sold	Season average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Plant-ed <sup>1</sup>	Harvest-ed			For seed	Fed to live-stock			
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	59,254	54,148	31.6	1,710,787	48,449	28,060	1,634,278	3.95	6,744,631
1974.....	71,044	65,368	27.3	1,781,918	<sup>3</sup> 87,534		1,694,384	4.09	7,287,261
1975.....	74,900	69,499	30.6	2,126,927	94,844		2,032,083	3.55	7,549,829
1976.....	80,395	70,927	30.3	2,148,780	104,755		2,044,025	2.73	5,867,836
1977.....	75,410	66,686	30.7	2,045,527	117,391		1,928,136	2.33	4,764,557
1978.....	65,989	56,496	31.4	1,775,524	83,151		1,692,373	2.97	5,280,634
1979.....	71,424	62,454	34.2	2,134,060	87,564		2,046,496	3.78	8,070,378
1980.....	80,788	71,125	33.5	2,380,934	(*)	(*)	(*)	3.91	9,302,831
1981.....	88,251	80,642	34.5	2,785,357	(*)	(*)	(*)	3.66	10,172,242
1982.....	86,232	77,937	35.5	2,764,967	(*)	(*)	(*)	3.55	9,813,015
1983.....	76,419	61,390	39.4	2,419,824	(*)	(*)	(*)	3.53	8,532,790
1984.....	79,213	66,928	38.8	2,594,777	(*)	(*)	(*)	3.38	8,755,033
1985.....	75,375	64,734	37.5	2,425,105	(*)	(*)	(*)	3.08	7,374,181
1986.....	72,068	60,723	34.4	2,091,635	(*)	(*)	(*)	2.42	5,044,347
1987 <sup>4</sup> .....	65,804	55,930	37.6	2,105,200	(*)	(*)	(*)	2.55	5,371,133

See footnotes on page 3.

Table 3.—Wheat, by kinds: Area, yield, production, and value, United States, 1973-87

Year	Area		Yield per harvested acre	Production	Season average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Planted <sup>1</sup>	Harvested				
Winter wheat						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	43,501	38,747	33.0	1,278,220	3.72	4,745,524
1974.....	52,023	46,778	29.4	1,375,526	3.90	5,370,469
1975.....	55,954	51,376	32.0	1,642,900	3.37	5,540,438
1976.....	57,822	49,578	31.5	1,564,118	2.73	4,264,242
1977.....	56,469	48,772	31.6	1,540,419	2.28	3,506,778
1978.....	47,549	38,491	31.8	1,222,446	3.01	3,677,175
1979.....	51,787	43,427	36.9	1,601,234	3.79	6,075,553
1980.....	57,771	51,635	36.8	1,902,011	3.83	7,286,005
1981.....	65,547	58,476	35.9	2,097,057	3.65	7,643,158
1982.....	65,516	57,633	36.0	2,073,560	3.50	7,248,918
1983.....	62,105	47,584	41.8	1,988,304	3.48	6,910,125
1984.....	63,419	51,513	40.0	2,060,266	3.33	6,861,900
1985.....	57,752	47,953	38.1	1,827,615	2.98	5,429,571
1986.....	53,965	43,205	35.2	1,521,498	2.33	3,583,338
1987 <sup>3</sup> .....	48,781	39,317	39.8	1,562,896	2.47	3,886,297
Durum wheat <sup>4</sup>						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	2,952	2,884	27.2	78,455	6.16	483,002
1974.....	4,174	4,099	19.8	81,245	5.96	484,041
1975.....	4,830	4,680	26.4	123,362	4.66	575,025
1976.....	4,748	4,584	29.4	134,914	2.96	398,856
1977.....	3,183	3,025	26.4	79,964	2.69	215,413
1978.....	4,110	4,024	33.1	133,328	2.93	390,608
1979.....	4,042	3,932	27.1	106,654	4.35	463,847
1980.....	5,525	4,840	22.4	108,395	5.07	549,261
1981.....	5,776	5,655	32.4	183,040	3.72	681,683
1982.....	4,290	4,177	34.9	145,863	3.66	534,156
1983.....	2,565	2,492	29.3	72,979	4.01	292,418
1984.....	3,277	3,219	32.1	103,439	3.76	389,420
1985.....	3,207	3,094	36.4	112,510	3.22	362,036
1986.....	2,994	2,877	34.0	97,907	2.70	271,276
1987 <sup>3</sup> .....	3,341	3,279	28.2	92,617	3.29	303,245
Other spring wheat <sup>5</sup>						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	12,801	12,517	28.3	354,112	4.28	1,516,105
1974.....	14,847	14,491	22.4	325,147	4.41	1,432,751
1975.....	14,116	13,443	26.8	360,665	3.98	1,434,366
1976.....	17,825	16,765	26.8	449,748	2.68	1,204,738
1977.....	15,758	14,889	28.6	425,144	2.45	1,042,366
1978.....	14,330	13,980	30.0	419,750	2.89	1,212,851
1979.....	15,595	15,095	28.2	426,172	3.59	1,530,978
1980.....	17,492	14,650	25.3	370,528	3.96	1,467,565
1981.....	16,928	16,511	30.6	505,260	3.66	1,847,451
1982.....	16,426	16,127	33.8	545,544	3.72	2,029,941
1983.....	11,749	11,314	31.7	358,541	3.71	1,330,247
1984.....	12,517	12,196	35.3	431,072	3.49	1,503,713
1985.....	14,616	13,687	35.4	484,980	3.38	1,582,574
1986.....	15,109	14,641	32.3	472,230	2.54	1,189,733
1987 <sup>3</sup> .....	13,682	13,334	33.7	449,687	2.60	1,181,591

<sup>1</sup> Seeded in preceding fall for winter wheat.<sup>2</sup> Obtained by weighting State prices by quantity sold. Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.<sup>3</sup> Preliminary.<sup>4</sup> Includes California, Minnesota, Montana, North Dakota, and South Dakota. In addition 1976 and 1977 includes New Mexico; beginning 1976 includes Arizona.<sup>5</sup> Includes small quantities of durum wheat grown in States other than those mentioned in footnote 4. National Agricultural Statistics Service.

Table 4.—Wheat: Stocks on and off farms, United States, 1973–87

Year beginning October	On farms				Off farms <sup>2</sup>			
	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>
All wheat								
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1973.....	608,466	364,382	181,704	89,455	843,084	563,952	366,441	158,201
1974.....	680,469	446,289	274,106	132,734	881,665	661,171	387,982	194,255
1975.....	756,805	548,600	343,212	235,861	1,129,044	838,028	594,151	429,768
1976.....	835,437	667,210	512,360	527,337	1,354,946	1,116,376	878,534	685,912
1977.....	1,039,227	834,577	642,106	494,018	1,365,322	1,162,459	887,832	683,790
1978.....	1,029,682	814,400	633,254	484,322	1,104,169	816,364	596,172	439,777
1979.....	1,030,071	773,920	569,600	376,501	1,240,745	942,247	655,518	525,498
1980.....	975,946	753,950	539,077	414,394	1,497,550	1,150,253	790,059	574,719
1981.....	1,197,704	948,675	742,573	576,196	1,529,800	1,223,397	809,041	583,168
1982.....	1,402,252	1,150,534	870,822	668,938	1,567,214	1,355,646	991,165	846,125
1983.....	1,235,870	1,015,409	771,212	591,650	1,719,317	1,310,964	986,924	806,996
1984.....	1,217,308	930,281	713,437	582,077	1,522,679	1,210,750	953,694	843,163
1985.....	1,248,482	1,011,203	799,432	681,080	1,724,011	1,514,964	1,330,641	1,223,901
Year beginning September	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1986.....	1,293,000	1,063,000	794,000	560,000	1,863,505	1,610,490	1,456,430	1,260,904
1987 <sup>3</sup> .....	1,168,000	971,000	737,000	520,000	1,820,462	1,534,286	1,171,455	746,229
Durum wheat								
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1973.....	67,903	49,251	34,390	18,058	21,460	18,433	16,516	9,938
1974.....	70,196	51,832	37,836	14,593	21,377	18,727	11,498	6,713
1975.....	87,406	65,412	53,033	38,906	27,657	20,528	18,065	14,550
1976.....	110,544	94,999	79,347	70,643	39,571	32,631	28,895	21,120
1977.....	103,462	81,891	61,635	49,626	36,338	26,524	29,754	17,265
1978.....	120,309	98,694	82,966	69,635	30,012	18,312	21,519	16,084
1979.....	122,621	87,384	64,486	48,669	30,070	19,776	21,327	12,342
1980.....	88,456	73,990	59,974	45,183	34,406	29,448	23,282	14,735
1981.....	144,837	119,151	103,717	88,819	41,688	31,034	26,947	17,145
1982.....	174,464	153,683	128,388	111,059	40,947	33,266	34,039	24,898
1983.....	112,849	97,776	86,007	71,554	46,392	35,267	34,245	27,125
1984.....	125,005	95,033	81,819	69,225	51,571	37,212	33,007	30,581
1985.....	127,722	111,608	89,192	78,929	44,124	38,441	46,878	42,355
Year beginning September	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1986.....	124,800	96,910	72,570	49,305	52,874	57,558	56,618	45,259
1987 <sup>3</sup> .....	94,100	76,850	64,024	53,331	52,452	43,639	42,641	29,662

<sup>1</sup> Old crop only. Prior to June 1, 1976 (1975 crop year), estimates are for July 1.

<sup>2</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 2

<sup>1</sup> Includes area seeded in preceding fall for winter wheat.

<sup>2</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

<sup>3</sup> Beginning 1974, not estimated separately.

<sup>4</sup> Estimates discontinued.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

Table 5.—Wheat: Supply and disappearance, United States, 1973-87

Year beginning June	Supply				Disappearance							Ending stocks May 31
	Beginning stocks	Production	Imports <sup>1</sup>	Total	Domestic use				Ex-ports <sup>1</sup>	Total disappearance		
					Food	Seed	Feed <sup>2</sup>	Total				
Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	
1973.....	<sup>3</sup> 597	1,711	3	2,311	544	84	126	754	1,217	1,971	340	
1974.....	340	1,782	3	2,125	545	92	35	672	1,018	1,690	435	
1975.....	435	2,127	2	2,564	589	99	38	726	1,173	1,899	666	
1976.....	666	2,149	2	2,817	588	92	74	754	950	1,704	1,113	
1977.....	1,113	2,046	2	3,161	586	80	193	859	1,124	1,983	1,178	
1978.....	1,178	1,776	2	2,955	592	87	158	837	1,194	2,031	924	
1979.....	924	2,134	2	3,060	596	101	86	783	1,375	2,158	902	
1980.....	902	2,381	3	3,285	611	113	59	783	1,514	2,296	989	
1981.....	989	2,785	3	3,777	602	110	135	847	1,771	2,618	1,159	
1982.....	1,159	2,765	8	3,932	616	97	195	908	1,509	2,417	1,515	
1983.....	1,515	2,420	4	3,939	642	100	369	1,111	1,429	2,540	1,399	
1984.....	1,399	2,595	9	4,003	651	98	405	1,154	1,424	2,578	1,425	
1985.....	1,425	2,425	15	3,865	678	93	274	1,045	915	1,960	1,905	
1986.....	1,905	2,092	21	4,018	724	84	385	1,193	1,004	2,197	1,821	
1987 <sup>4</sup> .....	1,821	2,105	15	3,941	750	85	275	1,110	1,600	2,710	1,231	

<sup>1</sup> Imports and exports include flour and other products expressed in wheat equivalent. <sup>2</sup> Residual, approximates feed use and includes negligible quantities used for distilled spirits. <sup>3</sup> Excludes an abnormally large volume of grain in transit. <sup>4</sup> Preliminary.

Economic Research Service. Totals may not add due to independent rounding.

Table 6.—Wheat: Supply and disappearance, by classes, United States, 1983-86<sup>1</sup>

Item	Year beginning June				Item	Year beginning June			
	1983	1984	1985	1986 <sup>2</sup>		1983	1984	1985	1986 <sup>2</sup>
	Million bushels	Million bushels	Million bushels	Million bushels		Million bushels	Million bushels	Million bushels	Million bushels
All wheat:					Hard red spring:				
Stocks, June 1.....	1,515	1,399	1,425	1,905	Stocks, June 1.....	408	314	371	498
Production.....	2,420	2,595	2,425	2,092	Production.....	323	409	460	451
Supply <sup>3</sup> .....	3,939	4,003	3,865	4,018	Supply <sup>3</sup> .....	723	725	838	956
Exports <sup>4</sup> .....	1,429	1,424	915	1,004	Exports <sup>4</sup> .....	221	183	166	200
Domestic disappearance.....	1,111	1,154	1,045	1,193	Domestic disappearance.....	197	171	174	266
Stocks, May 31.....	1,399	1,425	1,905	1,821	Stocks, May 31.....	314	371	498	490
Hard red winter:					Durum:				
Stocks, June 1.....	754	745	717	1,009	Stocks, June 1.....	136	99	100	121
Production.....	1,198	1,251	1,230	1,018	Production.....	73	103	113	98
Supply.....	1,952	1,996	1,947	2,027	Supply <sup>3</sup> .....	212	207	218	226
Exports <sup>4</sup> .....	704	717	395	432	Exports <sup>4</sup> .....	62	61	53	82
Domestic disappearance.....	503	562	543	622	Domestic disappearance.....	51	46	44	49
Stocks, May 31.....	745	717	1,009	973	Stocks, May 31.....	99	100	121	95
Soft red winter:					White:				
Stocks, June 1.....	74	74	64	79	Stocks, June 1.....	143	167	173	198
Production.....	504	531	368	292	Production.....	322	301	254	232
Supply.....	578	605	432	371	Supply <sup>3</sup> .....	465	470	430	437
Exports <sup>4</sup> .....	222	253	149	115	Exports <sup>4</sup> .....	220	210	152	175
Domestic disappearance.....	282	288	204	179	Domestic disappearance.....	78	87	80	77
Stocks, May 31.....	74	64	79	77	Stocks, May 31.....	167	173	198	185

<sup>1</sup> Data except production are approximations. <sup>2</sup> Preliminary. <sup>3</sup> Total supply includes imports. <sup>4</sup> Imports and exports include flour and products in wheat equivalent.

Economic Research Service.

Table 7.—Wheat: Area, yield, and production, by States, 1985–87

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	500	340	250	400	220	170	32.0	26.0	31.0	12,800	5,720	5,270
AZ.....	114	98	91	112	96	89	87.5	90.5	89.9	9,804	8,688	8,005
AR.....	650	885	930	570	815	840	32.0	41.0	41.0	18,240	33,415	34,440
CA.....	885	730	590	830	675	537	83.0	76.3	77.5	68,860	51,525	41,610
CO.....	3,774	3,360	3,160	3,522	2,955	2,555	39.6	32.6	38.1	139,302	96,430	97,380
DE.....	45	40	50	43	34	48	48.0	45.0	42.0	2,064	1,530	2,016
FL.....	160	120	80	130	100	60	33.0	31.0	30.0	4,290	3,100	1,800
GA.....	950	640	550	825	550	460	31.0	28.0	31.0	25,575	15,400	14,260
ID.....	1,500	1,430	1,210	1,350	1,310	1,140	53.4	62.4	75.0	72,030	81,750	85,500
IL.....	850	1,300	1,100	750	820	950	49.0	44.0	59.0	36,750	36,080	56,050
IN.....	770	800	750	700	700	600	53.0	43.0	58.0	37,100	30,100	34,800
IA.....	120	90	90	112	60	30	48.0	28.0	38.0	5,376	1,680	1,140
KS.....	12,400	11,500	10,700	11,400	10,200	9,900	38.0	33.0	37.0	433,200	336,600	366,300
KY.....	430	440	500	310	270	330	34.0	33.0	49.0	10,540	8,910	16,170
LA.....	250	240	240	210	210	170	34.0	35.0	31.0	7,140	7,350	5,270
MD.....	140	160	175	133	145	165	49.0	47.0	49.0	6,517	6,815	8,085
MI.....	770	750	450	750	680	400	60.0	45.0	48.0	45,000	30,600	19,200
MN.....	2,835	2,965	4,580	2,683	2,814	2,519	53.1	36.8	40.7	142,426	103,666	102,588
MS.....	380	250	400	300	200	350	31.0	31.0	36.0	9,300	6,200	12,600
MO.....	1,500	1,050	900	1,280	570	770	39.0	33.0	46.0	49,920	18,810	35,420
MT.....	5,660	5,015	4,895	3,960	4,760	4,690	12.7	29.1	32.2	50,240	138,520	151,220
NE.....	2,600	2,300	2,200	2,300	2,000	1,950	39.0	38.0	44.0	89,700	76,000	85,800
NV.....	27	25	24	24	22	21	73.8	78.2	80.0	1,770	1,720	1,680
NJ.....	45	40	30	37	30	27	52.0	43.0	45.0	1,924	1,290	1,215
NM.....	730	740	660	570	460	340	36.0	22.0	32.0	20,520	10,120	10,880
NY.....	155	165	90	145	155	80	58.0	49.0	47.0	8,410	7,595	3,760
NC.....	800	525	490	760	460	440	29.0	31.0	41.0	22,040	15,180	18,040
ND.....	9,350	9,620	9,300	8,870	9,380	9,135	36.4	30.9	29.5	323,255	292,320	269,120
OH.....	1,000	1,150	850	950	1,050	800	62.0	46.0	58.0	58,900	43,300	46,400
OK.....	7,800	7,400	7,200	5,500	5,200	4,800	30.0	29.0	27.0	165,000	150,800	129,600
OR.....	1,140	1,070	845	1,065	1,025	810	52.6	57.0	65.3	56,040	58,405	32,920
PA.....	220	230	190	210	220	185	48.0	44.0	43.0	10,080	9,680	7,955
SC.....	460	325	290	430	300	275	29.0	25.0	38.0	12,470	7,500	10,450
SD.....	4,170	4,065	3,660	3,755	3,840	3,528	29.6	28.3	30.2	111,215	108,660	106,704
TN.....	340	430	440	250	325	350	32.0	33.0	41.0	8,000	10,725	14,350
TX.....	8,100	8,100	6,800	5,850	4,800	3,600	32.0	25.0	28.0	187,200	120,000	100,800
UT.....	274	270	212	260	258	199	33.2	37.8	45.0	8,640	9,750	8,963
VA.....	340	220	275	285	170	215	37.0	41.0	45.0	10,545	6,970	1,675
WA.....	2,850	2,570	2,100	2,690	2,410	2,015	47.7	48.5	56.7	128,250	116,850	114,285
WV.....	10	11	13	8	9	11	43.0	44.0	45.0	344	396	495
WI.....	170	160	115	157	148	88	56.1	54.3	47.3	8,800	8,040	4,164
WY.....	311	349	329	248	277	288	22.3	30.5	30.6	5,528	8,445	8,820
US.....	75,575	72,068	65,805	64,734	60,723	55,930	37.5	34.4	37.6	2,425,105	2,091,635	2,105,200

<sup>1</sup> Includes area seeded in preceding fall for winter wheat.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 8.—Wheat, by kinds: Area, yield, and production, by States, 1985–87

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
Winter wheat												
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bush-els</i>	<i>Bush-els</i>	<i>Bush-els</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
AL.....	500	340	250	400	220	170	32.0	26.0	31.0	12,800	5,720	5,270
AZ.....	67	49	45	66	48	44	90.0	94.0	95.0	5,940	4,512	4,180
AR.....	650	885	930	570	815	840	32.0	41.0	41.0	18,240	33,415	34,440
CA.....	800	650	530	750	600	480	82.0	75.0	76.0	61,500	45,000	36,480
CO.....	3,700	3,300	3,100	3,450	2,900	2,500	39.0	32.0	37.5	134,550	92,800	93,750
DE.....	45	40	50	43	34	48	48.0	45.0	42.0	2,064	1,530	2,016
FL.....	160	120	80	130	100	60	33.0	31.0	30.0	4,290	3,100	1,800
GA.....	950	640	550	825	550	460	31.0	28.0	31.0	25,575	15,400	14,260
ID.....	1,000	950	860	870	850	800	53.0	61.0	75.0	46,110	51,850	60,000
IL.....	850	1,300	1,100	750	820	950	49.0	44.0	59.0	36,750	36,080	56,050
IN.....	770	900	750	700	700	600	53.0	43.0	58.0	37,100	30,100	34,800
IA.....	120	90	90	112	60	30	48.0	28.0	38.0	5,376	1,680	1,140
KS.....	12,400	11,500	10,700	11,400	10,200	9,900	38.0	33.0	37.0	433,200	336,600	366,300
KY.....	430	440	500	310	270	330	34.0	33.0	49.0	10,540	8,910	16,170
LA.....	250	240	240	210	170	170	34.0	35.0	31.0	7,140	7,350	5,070
MD.....	140	160	175	133	145	165	49.0	47.0	49.0	6,517	6,815	8,085
MI.....	770	750	450	750	680	400	60.0	45.0	48.0	45,000	30,600	19,200
MN.....	350	180	100	280	130	90	37.0	33.0	33.0	10,360	4,290	2,970
MS.....	380	250	400	300	200	350	31.0	31.0	36.0	9,300	6,200	12,600
MO.....	1,500	1,050	900	1,280	570	770	39.0	33.0	46.0	49,920	18,810	35,420
MT.....	2,460	2,150	2,300	1,400	2,000	2,200	16.0	32.0	36.0	22,400	64,000	79,200
NE.....	2,600	2,300	2,200	2,300	2,000	1,950	39.0	38.0	44.0	89,700	76,000	85,800
NV.....	10	10	8	9	9	7	80.0	90.0	90.0	720	810	630
NJ.....	45	40	30	37	30	27	52.0	43.0	45.0	1,924	1,290	1,215
NM.....	730	740	660	570	460	340	36.0	22.0	32.0	20,520	10,120	10,880
NY.....	155	165	90	145	155	80	58.0	49.0	47.0	8,410	7,595	3,760
NC.....	800	525	490	760	460	440	29.0	31.0	41.0	22,040	14,260	18,040
ND.....	750	520	200	450	480	185	35.0	29.0	32.0	15,750	13,920	5,920
OH.....	1,000	1,150	850	950	1,050	800	62.0	46.0	58.0	58,900	43,300	46,400
OK.....	7,800	7,400	7,200	5,500	5,200	4,800	30.0	29.0	27.0	168,000	150,800	129,600
OR.....	1,030	970	780	960	930	758	54.0	58.0	66.0	51,840	53,940	49,500
PA.....	220	230	190	210	220	185	48.0	44.0	43.0	10,080	9,680	7,955
SC.....	460	325	290	430	300	275	29.0	25.0	38.0	12,470	7,500	10,450
SD.....	1,850	1,900	1,700	1,520	1,800	1,620	29.0	32.0	34.0	44,080	57,600	55,080
TN.....	340	430	440	250	325	350	32.0	33.0	41.0	8,000	10,725	14,350
TX.....	8,100	8,100	6,800	5,850	4,800	3,600	32.0	25.0	28.0	187,200	120,000	100,800
UT.....	230	235	180	220	225	170	32.0	36.0	43.0	7,040	8,100	7,310
VA.....	340	220	275	285	170	215	37.0	41.0	45.0	10,545	6,970	9,675
WA.....	2,550	2,250	1,900	2,400	2,100	1,825	48.0	49.0	57.0	115,200	102,900	104,025
WV.....	10	11	13	8	9	11	43.0	44.0	344	344	396	495
WI.....	150	140	85	140	130	60	58.0	57.0	54.0	8,120	7,410	3,240
WY.....	290	320	300	230	250	270	22.0	30.0	31.0	5,060	7,500	8,370
US.....	57,752	53,885	48,781	47,953	43,205	39,317	38.1	35.2	39.8	1,827,615	1,521,498	1,562,896
Durum wheat <sup>3</sup>												
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bush-els</i>	<i>Bush-els</i>	<i>Bush-els</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
AZ.....	47	49	46	46	48	45	84.0	87.0	85.0	3,864	4,176	3,825
CA.....	85	80	60	80	75	57	92.0	87.0	90.0	7,360	6,525	5,130
MN.....	35	35	30	33	34	29	52.0	39.0	42.0	1,716	1,326	1,218
MT.....	200	165	195	160	160	190	9.0	27.0	28.0	1,440	4,320	5,320
ND.....	2,750	2,600	2,900	2,690	2,500	2,850	35.5	32.0	26.0	95,495	80,000	74,100
SD.....	90	65	110	85	60	108	31.0	26.0	28.0	2,635	1,560	3,024
US.....	3,207	2,994	3,341	3,094	2,877	3,279	36.4	34.0	28.2	112,510	97,907	92,617

See footnotes at end of table.



Table 8.—Wheat, by kinds: Area, yield, and production, by States, 1985-87—Continued

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
Other spring wheat												
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
CO.....	74	60	60	72	55	55	66.0	66.0	66.0	4,752	3,630	3,630
ID.....	500	480	350	480	460	340	54.0	65.0	75.0	25,920	29,900	25,500
MN.....	2,450	2,750	2,450	2,370	2,650	3,400	55.0	37.0	41.0	130,350	98,050	98,400
MT.....	3,000	2,700	2,400	2,400	2,600	2,300	11.0	27.0	29.0	26,400	70,200	66,700
NV.....	17	15	16	15	13	14	70.0	70.0	75.0	1,050	910	1,050
ND.....	5,850	6,500	6,200	5,730	6,400	6,100	37.0	31.0	31.0	212,010	198,400	189,100
OR.....	110	100	65	105	95	60	40.0	47.0	57.0	4,200	4,465	3,420
SD.....	2,230	2,100	1,850	2,150	1,980	1,800	30.0	25.0	27.0	64,500	49,500	48,600
UT.....	44	35	32	40	33	29	40.0	50.0	57.0	1,600	1,650	1,653
WA.....	300	320	200	290	310	190	45.0	45.0	54.0	13,050	13,950	10,260
WI.....	20	20	30	17	18	28	40.0	35.0	33.0	680	630	924
WY.....	21	29	29	18	27	18	26.0	35.0	25.0	468	945	450
US.....	14,616	15,109	13,682	13,687	14,641	13,334	35.4	32.3	33.7	484,980	472,230	449,687

<sup>1</sup> Area seeded in preceding fall for winter wheat.<sup>2</sup> Preliminary.<sup>3</sup> Small additional quantities of durum wheat are grown in other than the States shown here but are included with "Other spring wheat."

National Agricultural Statistics Service.

Table 9.—Wheat: Price-support operations, United States, 1973-88

Year beginning June <sup>1</sup>	Support price				Put under support <sup>3</sup>		Acquired by CCC under support program <sup>4</sup>	Owned by CCC June 30 <sup>1</sup>
	Per bushel		Percentage of parity <sup>2</sup>		Quantity	Percentage of production		
	Loan	Target	Loan	Target			Million bushels	Percent
1973.....	1.25		37		60	3.5		<sup>5</sup> 6
1974.....	1.37	2.05	35	53	36	2.0		
1975.....	1.37	2.05	30	45	48	2.2		
1976.....	2.25	2.29	46	47	499	23.3	48	<sup>5</sup> 58
1977.....	2.25	<sup>6</sup> 2.00	44	57	591	29.0	2	<sup>5</sup> 48
1978.....	2.35	3.40	45	65	256	14.2		50
1979.....	2.50	3.40	48	65	182	8.5	<sup>7</sup> 157	<sup>8</sup> 200
1980.....	<sup>6</sup> 3.00	<sup>6</sup> 3.63	46	56	331	14.0		<sup>8</sup> 196
1981.....	<sup>6</sup> 3.20	3.81	45	54	452	16.1		<sup>8</sup> 187
1982.....	<sup>6</sup> 3.55	4.05	49	56	646	23.0	<sup>9</sup> 148	<sup>8</sup> 192
1983.....	3.65	4.30	49	58	635	<sup>9</sup> 26.2	<sup>9</sup> 220	<sup>8</sup> 188
1984.....	3.30	4.38	44	58	285	10.9	244	<sup>8</sup> 378
1985.....	3.30	4.38	47	62	842	34.7	288	<sup>8</sup> 602
1986.....	2.40	4.38	36	65	514	24.5	477	<sup>8</sup> 830
1987.....	2.28	4.38	34	65	<sup>10</sup> 475	22.6	<sup>10</sup> 165	<sup>10</sup> 250
1988.....	2.21	4.23						

<sup>1</sup> Marketing year for 1973 thru 1975 began July 1 and ended June 30. Beginning June 1, 1976 (1975 crop) marketing year begins June 1 and ends May 31.<sup>2</sup> Percentage of parity price at beginning of marketing year.<sup>3</sup> Represents loans made, purchases, and agreements entered into.<sup>4</sup> Acquisitions through loan forfeitures occurring during crop year.<sup>5</sup> Uncommitted CCC inventory.<sup>6</sup> Reserve loan levels: 1980—\$3.30; 1981—\$3.50; 1982—\$4.00. Reserve loans for other years beginning with 1976 crop same as shown in table. Target Prices: 1977—\$2.47 on under-planted allotment acreage; 1980—\$3.08 available to producers on farms where plantings exceeded the NCA.<sup>7</sup> Acquired through direct purchases by CCC for future Food Security Reserves.<sup>8</sup> Total CCC inventory including 147 million bushels in Food Security Reserves.<sup>9</sup> Includes acquisitions for payment-in-kind (PIK) program entitlements.<sup>10</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

**Table 10.—Wheat: Season average price and value, by States, crop of 1985, 1986, and 1987**

State	Season average price per bushel <sup>1</sup>			Value of production <sup>1</sup>		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	3.05	2.60	2.50	39,040	14,872	13,175
AZ.....	3.52	3.38	3.02	34,472	13,987	24,153
AR.....	3.04	2.49	2.50	55,450	83,203	86,100
CA.....	3.43	2.92	2.84	236,353	127,350	118,019
CO.....	2.77	2.26	2.45	386,517	208,800	238,763
DE.....	2.88	2.44	2.45	5,944	3,733	4,939
FL.....	3.00	2.45	2.60	12,870	7,595	4,680
GA.....	2.83	2.48	2.45	72,377	38,192	34,937
ID.....	3.21	2.39	2.54	228,883	124,959	216,750
IL.....	3.02	2.41	2.60	110,985	86,953	145,730
IN.....	2.91	2.25	2.55	107,961	67,725	88,740
IA.....	2.95	2.30	2.30	15,859	3,864	2,622
KS.....	2.86	2.25	2.40	1,238,952	757,350	879,120
KY.....	2.90	2.45	2.50	30,566	21,830	40,425
LA.....	3.25	2.75	2.80	23,205	20,213	14,756
MD.....	2.91	2.48	2.45	18,964	16,901	19,808
MI.....	2.84	2.38	2.65	127,800	72,828	50,880
MN.....	3.00	2.43	2.51	427,571	251,674	257,391
MS.....	3.30	2.80	3.00	30,690	17,360	37,800
MO.....	2.88	2.37	2.55	143,770	44,580	90,321
MT.....	3.47	2.52	2.69	174,147	348,764	407,433
NE.....	2.79	2.23	2.35	250,263	169,480	201,630
NV.....	2.76	2.13	2.21	4,881	3,663	3,718
Nj.....	3.20	2.45	2.60	6,157	3,161	3,159
NM.....	2.90	2.25	2.20	59,508	22,770	23,936
NY.....	2.80	2.25	2.50	23,548	17,089	9,400
NC.....	2.90	2.50	2.45	63,916	37,950	44,198
ND.....	3.26	2.54	2.81	1,060,580	742,835	754,964
OH.....	2.98	2.39	2.55	175,522	115,437	118,320
OK.....	2.91	2.38	2.45	480,150	343,824	317,520
OR.....	3.38	2.59	2.70	189,415	151,269	143,055
PA.....	3.05	2.75	2.65	30,744	26,620	21,081
SC.....	2.85	2.45	2.50	35,540	18,375	26,125
SD.....	3.25	2.42	2.51	1,426	262,805	268,034
TN.....	3.00	2.50	2.55	24,000	26,813	36,593
TX.....	2.97	2.32	2.35	555,984	278,400	236,880
UT.....	3.01	2.43	2.27	26,000	23,694	20,333
VA.....	2.95	2.55	2.55	31,108	17,774	24,671
WA.....	3.41	2.51	2.70	437,333	293,294	309,083
WV.....	2.95	2.40	2.45	1,015	950	1,213
WI.....	2.80	2.34	2.30	24,640	18,813	9,577
WY.....	3.02	2.22	2.39	16,678	18,768	21,101
US.....	3.08	2.42	2.55	7,374,181	5,044,347	5,371,133

<sup>1</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 11.—Wheat: Area, yield, and production in specified countries, 1985/86–1987/88<sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North &amp; Central America:</b>									
Canada.....	13,729	14,239	13,508	1.77	2.20	1.95	24,252	31,378	26,342
Guatemala.....	32	27	26	1.66	1.70	1.73	53	46	45
Mexico.....	1,050	1,075	900	4.19	4.19	4.11	4,400	4,500	3,700
United States.....	26,197	24,574	22,634	2.52	2.32	2.53	66,001	56,925	57,294
Total.....	41,008	39,915	37,068	2.31	2.33	2.36	94,706	92,849	87,381
<b>South America:</b>									
Argentina.....	5,270	5,000	4,900	1.61	1.80	2.04	8,500	9,000	10,000
Bolivia.....	93	106	98	7.3	.76	.67	68	81	66
Brazil.....	2,800	3,900	3,400	1.54	1.44	1.81	4,300	5,600	6,150
Chile.....	570	677	600	2.81	2.77	2.67	1,600	1,874	1,600
Colombia.....	43	39	42	1.37	1.80	1.83	59	70	77
Ecuador.....	18	18	14	1.06	1.00	.93	19	18	13
Paraguay.....	127	154	175	1.46	1.52	1.54	185	234	270
Peru.....	81	98	103	1.14	1.20	1.21	92	118	125
Uruguay.....	240	185	184	1.25	1.25	1.50	300	232	276
Venezuela.....	1	1	1	1.00	1.00	1.00	1	1	1
Total.....	9,243	10,178	9,517	1.64	1.69	1.95	15,124	17,228	18,578
<b>Europe:</b>									
Belgium-Luxembourg.....	194	198	199	6.21	6.78	5.50	1,204	1,342	1,095
Denmark.....	340	354	400	5.80	6.15	5.78	1,972	2,177	2,311
France.....	4,832	4,911	4,959	6.06	5.40	5.52	29,262	26,500	27,381
Germany, Fed. Rep. of.....	1,612	1,648	1,679	6.12	6.31	5.94	9,866	10,406	9,974
Greece.....	848	879	868	2.09	2.50	2.43	1,775	2,200	2,113
Ireland.....	78	76	57	5.99	5.07	6.14	467	385	350
Italy.....	3,082	3,133	3,087	2.81	2.90	3.03	8,516	9,070	9,359
Netherlands.....	128	118	111	6.65	7.97	6.93	851	940	769
Portugal.....	285	292	325	1.39	1.71	1.71	395	500	555
Spain.....	2,024	2,096	2,223	2.63	2.05	2.59	5,326	4,292	5,768
United Kingdom.....	1,902	1,999	1,992	6.33	6.95	5.82	12,045	13,900	11,600
Total EC.....	15,275	15,704	15,900	5.09	5.03	4.86	71,679	71,712	71,275
Austria.....	320	324	320	4.88	4.37	4.53	1,563	1,415	1,451
Finland.....	157	166	139	3.15	3.19	2.02	495	529	281
Malta.....	1	1	1	3.00	3.00	3.00	3	3	3
Norway.....	39	42	44	4.36	4.29	5.00	170	180	220
Sweden.....	277	311	325	4.83	5.56	4.79	1,338	1,730	1,558
Switzerland.....	93	93	93	5.60	5.14	4.95	521	478	460
Total Western Europe.....	13,853	14,253	14,274	4.69	4.60	4.47	70,048	71,255	68,925
Albania.....	190	190	190	3.03	2.95	2.95	575	560	560
Bulgaria.....	1,067	1,127	1,110	2.88	3.32	3.18	3,068	4,308	3,500
Czechoslovakia.....	1,205	1,213	1,250	4.98	4.38	4.92	6,000	5,319	6,150
German Dem. Rep.....	744	749	753	5.28	5.60	5.43	3,930	4,175	4,090
Hungary.....	1,356	1,317	1,300	4.83	4.36	4.33	6,548	5,744	5,674
Poland.....	1,885	2,025	2,133	3.43	3.70	3.72	6,461	7,500	7,940
Romania.....	2,355	2,530	2,400	2.41	2.65	2.50	5,665	6,700	6,000
Yugoslavia.....	1,348	1,346	1,455	3.59	3.55	3.62	4,839	4,776	5,272
Total Eastern Europe.....	10,150	10,497	10,581	3.65	3.73	3.70	37,086	39,102	39,186
Total Europe.....	26,312	27,138	27,403	4.29	4.24	4.18	112,855	115,149	114,434
<b>Soviet Union (Europe and Asia):</b>									
	50,265	48,728	46,684	1.55	1.89	1.78	78,100	92,306	83,312
<b>Africa:</b>									
Algeria.....	1,735	1,520	1,600	.96	.81	.64	1,660	1,230	1,020
Angola.....	10	10	7	.70	.60	.57	7	6	4
Egypt.....	498	507	577	3.76	3.81	4.23	1,873	1,929	2,443
Ethiopia.....	625	680	630	1.04	1.10	1.08	650	750	680
Kenya.....	104	107	105	2.31	2.29	2.05	240	245	215
Lesotho.....	25	25	25	.80	.72	.70	20	15	18
Libya.....	300	300	300	.42	.50	.50	125	150	150
Morocco.....	1,894	2,226	2,288	1.08	1.49	1.06	2,050	3,323	2,427
Mozambique.....	3	3	3	1.00	1.00	1.00	3	3	3
Nigeria.....	18	7	15	2.78	2.14	2.00	50	15	30
South Africa.....	1,951	1,925	1,927	.86	1.19	1.71	1,680	2,285	3,300
Sudan.....	160	120	145	1.25	1.25	1.24	200	150	180

See footnotes at end of table.

Table 11.—Wheat: Area, yield, and production in specified countries, 1985/86-1987/88<sup>1</sup>—Continued

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Africa—Con.</b>									
Tanzania.....	60	41	40	1.48	1.76	1.80	89	72	72
Tunisia.....	1,033	540	971	1.34	.88	1.40	1,380	474	1,360
Zambia.....	3	6	7	5.00	5.00	4.00	15	30	28
Zaire.....	10	12	12	1.00	1.08	1.17	10	13	14
Zimbabwe.....	42	43	40	4.88	5.23	5.00	205	225	200
<b>Total.....</b>	<b>8,471</b>	<b>8,072</b>	<b>8,692</b>	<b>1.21</b>	<b>1.35</b>	<b>1.40</b>	<b>10,257</b>	<b>10,915</b>	<b>12,144</b>
<b>Asia:</b>									
Afghanistan.....	2,100	2,050	2,000	1.36	1.32	1.38	2,850	2,700	2,750
Bangladesh.....	540	585	650	1.93	1.86	1.92	1,042	1,091	1,250
Bhutan.....	65	65	65	1.00	1.00	1.00	65	65	65
Burma.....	150	132	132	1.40	1.86	1.86	210	246	246
China.....	29,218	29,696	28,923	2.94	3.04	3.03	85,810	90,295	87,720
Taiwan.....	1	1	1	4.00	2.00	2.00	4	5	4
Cyprus.....	13	12	13	1.31	.83	1.08	17	10	14
India.....	23,564	22,997	22,811	1.87	2.05	2.00	44,069	47,052	45,577
Iran.....	5,700	6,250	6,100	.93	1.14	.98	5,300	7,100	6,000
Iraq.....	1,540	1,150	850	.91	.90	.85	1,406	1,036	722
Israel.....	45	90	96	2.84	1.88	3.10	128	169	250
Japan.....	234	246	271	3.74	3.56	3.19	874	876	864
Jordan.....	95	91	100	.66	.44	.60	63	40	60
Korea, Dem. Peo. Rep. of.....	165	200	200	2.12	3.00	3.00	350	600	600
Korea, Rep. of.....	3	2	1	3.67	2.50	4.00	11	5	4
Lebanon.....	5	5	6	3.00	3.40	3.00	15	17	18
Nepal.....	480	533	530	1.23	1.29	1.30	589	686	690
Mongolia.....	410	467	470	.73	1.42	1.28	300	664	600
Pakistan.....	7,403	7,403	7,706	1.58	1.88	1.58	11,703	13,922	12,200
Saudi Arabia.....	500	600	630	4.09	3.81	3.81	2,047	2,285	2,400
Syria.....	1,265	1,350	1,150	1.36	1.37	1.39	1,714	1,850	1,600
Turkey.....	8,600	8,700	8,700	1.48	1.61	1.49	12,700	14,000	13,000
Yemen (Sanaa).....	66	66	66	.76	.98	.98	61	65	65
Yemen, PDR (Aden).....	10	10	10	1.50	1.50	1.50	15	15	15
<b>Total.....</b>	<b>82,172</b>	<b>82,701</b>	<b>81,481</b>	<b>2.08</b>	<b>2.23</b>	<b>2.17</b>	<b>171,343</b>	<b>184,789</b>	<b>176,714</b>
<b>Oceania:</b>									
Australia.....	11,959	11,275	9,100	1.38	1.44	1.33	16,127	16,190	12,100
New Zealand.....	67	91	82	4.45	4.16	4.17	298	379	342
<b>Total.....</b>	<b>12,026</b>	<b>11,366</b>	<b>9,182</b>	<b>1.37</b>	<b>1.51</b>	<b>1.36</b>	<b>16,425</b>	<b>16,569</b>	<b>12,442</b>
<b>World total.....</b>	<b>229,497</b>	<b>228,118</b>	<b>220,027</b>	<b>2.22</b>	<b>2.32</b>	<b>2.30</b>	<b>498,810</b>	<b>529,805</b>	<b>505,005</b>

<sup>1</sup> Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates for the Southern Hemisphere Harvests, which begin late in 1986 and end early in 1987.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

Table 12.—Wheat and flour: United States imports, 1973–86

Year beginning June	Wheat		Flour (wheat equivalent) <sup>2</sup>	Other products (wheat equivalent) <sup>3</sup>	Total wheat, flour, and other products
	Suitable for milling <sup>1</sup>	Unfit for human consumption			
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1973	1,262	70	178	1,113	2,623
1974	1,734	109	387	1,134	3,364
1975	631	344	92	1,307	2,374
1976	1,298	20	32	1,381	2,731
1977	424	2	20	1,475	1,921
1978	13	15	45	1,772	1,850
1979	155	50	62	1,869	2,136
1980	128	58	200	2,148	2,534
1981	59	14	357	2,423	2,853
1982	3,901	35	624	3,036	7,598
1983	67	11	336	3,426	3,840
1984	4,825	3	329	4,283	9,440
1985	9,758	71	475	4,400	14,704
1986	14,728	984	413	4,939	21,065

<sup>1</sup> Imports of wheat of milling quality have been limited to a quota of 800,000 bushels per year since May 29, 1941, of which 795,000 bushels may come from Canada. Quantities in excess of the 800,000-bushel quota represent quota-free imports of seed wheat authorized by Presidential Proclamation 2550, April 16, 1942. During the war years 1943–44 and 1944–45 this import restriction was waived. As of Jan. 26, 1974, import quotas for wheat and milled wheat products were suspended.

<sup>2</sup> Imports of flour have been limited to a quota of 4,000,000 pounds per year since May 29, 1941, of which 3,815,000 pounds may come from Canada (total quota is 93,200 bushels, wheat equivalent). Flour for special experimental purposes may be imported ex-quota. Excludes flour "free for export."

<sup>3</sup> Includes macaroni, semolina, and similar products.

Economic Research Service.

Table 13.—Wheat and flour: United States exports under specified Government programs, 1973–86

Year <sup>1</sup>	Local currency <sup>2</sup>	Public Law 480			Foreign Donations Sec. 416 <sup>6</sup>	Mutual security (AID) <sup>7</sup>	Total specified Government programs
		Title I sales	Title II donations				
		Long-term dollar and convertible foreign currency credit sales <sup>3</sup>	Government-to-government and World Food Program <sup>4</sup>	Voluntary relief agencies <sup>5</sup>			
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	
1973		26,355	10,891	8,502		11,074	56,822
1974		102,269	6,705	7,873			116,847
1975		105,861	2,734	7,046		8,348	123,989
1975 (*)		(44,350)	(2,752)	(1,526)		(6,481)	(55,109)
1976		133,504	8,887	17,842		15,836	158,277
1977		119,225	6,313	11,487		12,520	149,545
1978		126,819	5,968	9,808		243	142,838
1979		107,288	8,724	7,064		2,147	125,218
1980		101,052	9,659	7,158		153	118,022
1981		110,046	14,312	8,614			132,972
1982		113,322	22,081	8,724		6,805	150,932
1983		120,670	19,114	17,117			156,901
1984		151,605	23,188	8,930		2,726	186,449
1985		134,159	18,865	7,101	1,849	17,124	179,098
1986	3,953	150,840	9,597	5,831	15,413	28	185,662

<sup>1</sup> Year beginning July 1 for 1973–75 and Oct. 1 beginning 1976.

<sup>2</sup> Authorized by the Food Security Act of 1985.

<sup>3</sup> Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480 amended by P.L. 89–808.

<sup>4</sup> Authorized by Title II, P.L. 480.

<sup>5</sup> Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec. 302, Title III, P.L. 480 through Dec. 31, 1966. Authorized by Title II, P.L. 480, as amended by P.L. 89–808, effective Jan. 1, 1967.

<sup>6</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984.

<sup>7</sup> Foreign Assistance Act of 1961, as amended.

<sup>8</sup> Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.

Table 14.—Wheat and flour: <sup>1</sup> International trade, 1985-87

Country	Year beginning July					
	1985		1986		1987 <sup>2</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
<b>Principal exporters:</b>						
Canada.....	16,880	0	18,000	0	22,500	0
United States <sup>3</sup> .....	25,000	325	26,600	250	43,500	400
Argentina.....	6,122	0	4,500	0	5,000	0
Australia.....	16,000	0	14,000	0	12,500	0
Bulgaria.....	0	800	300	0	300	600
France.....	17,677	282	17,100	900	16,500	200
Romania.....	100	0	200	250	0	50
Spain.....	285	75	1,465	200	600	300
Sweden.....	605	40	700	40	560	40
Turkey.....	112	980	500	600	500	200
Greece.....	624	307	470	300	825	280
Hungary.....	2,100	0	1,500	0	1,250	0
Total <sup>4</sup> .....	85,505	2,809	85,335	2,540	104,035	2,070
<b>Principal importers:</b>						
Cuba.....	0	1,300	0	1,350	0	1,400
Brazil.....	0	2,500	0	3,000	0	2,000
Peru.....	0	800	0	1,000	0	1,150
Belgium and Luxembourg.....	650	1,310	590	1,350	580	1,230
Germany, Fed. Rep. of.....	2,826	2,760	2,100	2,150	3,000	1,900
Netherlands.....	614	1,582	650	1,600	750	1,700
United Kingdom.....	2,525	2,070	4,000	2,500	3,000	2,000
Yugoslavia.....	0	103	0	800	0	400
Egypt.....	0	6,700	0	7,000	0	6,700
South Africa.....	83	50	85	240	0	150
India.....	400	50	500	100	500	400
Indonesia.....	0	1,376	0	1,600	0	1,600
Israel.....	0	607	0	570	0	535
Japan.....	281	5,532	300	5,500	390	5,400
Korea, Rep. of.....	0	3,030	0	3,500	0	3,900
Malaysia.....	17	561	20	640	20	650
Pakistan.....	0	1,534	300	350	0	500
Philippines.....	0	929	0	850	0	1,000
Italy.....	2,678	5,204	2,500	5,000	2,740	4,100
Soviet Union.....	500	15,700	1,000	15,000	1,500	22,000
Algeria.....	0	2,800	0	3,300	0	3,300
Morocco.....	0	2,019	0	1,500	0	2,300
Syria.....	0	850	100	1,200	0	600
Tunisia.....	0	792	0	1,200	0	900
Poland.....	0	1,700	0	1,400	0	2,000
China.....	0	6,600	0	6,500	0	13,500
Taiwan.....	0	690	0	750	0	950
Portugal.....	0	727	0	650	0	560
Saudi Arabia.....	250	100	400	100	1,225	100
Sri Lanka.....	0	593	0	555	0	700
Venezuela.....	0	1,000	0	1,050	0	1,050
Vietnam.....	0	600	0	600	0	600
Germany, Dem. Rep. of.....	75	550	400	650	90	300
Total <sup>4</sup> .....	10,899	72,719	12,945	73,555	12,795	86,075

<sup>1</sup> Flour reported in terms of grain equivalent.<sup>2</sup> Preliminary.<sup>3</sup> United States exports exclude exports of flour milled in bond from imported wheat.<sup>4</sup> Total for indicated countries only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 15.—Wheat and Flour:<sup>1</sup> United States exports (domestic) by country of destination, 1985 and 1986

Country of destination	Year <sup>2</sup>		Country of destination	Year <sup>2</sup>	
	1985	1986		1985	1986
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
<b>Wheat:</b>			<b>Wheat flour, wholly of U.S. wheat:</b>		
Mexico.....	52	103,628	Central America.....	4,671	36,367
Central America.....	602,797	599,276	Jamaica.....	651	53
Caribbean.....	745,287	678,603	Trinidad and Tobago.....	354	901
Brazil.....	416,622	362,006	Other Caribbean.....	8,724	23,690
Chile.....	301,375	104,902	Bolivia.....	16,867	24,674
Colombia.....	484,422	199,734	Brazil.....	0	0
Ecuador.....	343,345	344,438	Chile.....	6	0
Peru.....	201,344	250,317	Colombia.....	977	780
Venezuela.....	771,397	658,306	Guyana.....	0	0
Other Americas.....	279,342	272,332	Other Americas.....	10,458	18,850
<b>Total Americas.....</b>	<b>4,145,983</b>	<b>3,573,542</b>	<b>Total Americas.....</b>	<b>42,708</b>	<b>105,315</b>
Belgium and Luxembourg....	40,110	199,191	Greece.....	0	0
France.....	252	2,798	Netherlands.....	1,293	828
Germany, Fed. Rep. of.....	8,688	152	Portugal.....	0	0
Italy.....	419,798	432,362	Other Europe.....	2,716	1,693
Netherlands.....	396,761	52,452	<b>Total Europe.....</b>	<b>4,009</b>	<b>2,521</b>
Norway.....	102,637	27,413	Sri Lanka.....	2,372	1,991
Portugal.....	360,166	88,144	Japan.....	219	893
Spain.....	14,001	0	Jordan.....	5,330	5,289
Switzerland.....	162	2,830	Korea, Rep. of.....	0	64
United Kingdom.....	264	9,282	Lebanon.....	5,138	7,623
Other Europe.....	427,290	1,117,713	Philippines.....	77,707	4,234
Soviet Union.....	152,644	4,054,603	Saudi Arabia.....	1,604	88
<b>Total Europe and Soviet Union.....</b>	<b>1,922,773</b>	<b>5,172,316</b>	Other Asia.....	246,240	416,979
India.....	2,000	0	<b>Total Asia.....</b>	<b>338,610</b>	<b>437,161</b>
Iran.....	0	0	Egypt.....	891,289	980,282
Israel.....	518,018	476,847	Morocco.....	24,581	17,798
Japan.....	3,170,367	3,035,201	Other Africa.....	251,365	365,636
Korea, Rep. of.....	2,059,147	1,887,886	<b>Total Africa.....</b>	<b>1,167,235</b>	<b>1,363,716</b>
Lebanon.....	42,900	0	Oceania.....	2,558	2,003
Pakistan.....	905,413	194,754	<b>World total.....</b>	<b>1,555,120</b>	<b>1,910,716</b>
Philippines.....	820,677	841,236	Relief or charity <sup>3</sup> .....	223,703	276,563
Syria.....	0	0			
China.....	143,800	897,627			
Taiwan.....	649,950	870,827			
Turkey.....	550,304	245,132			
Other Asia.....	2,743,251	3,147,071			
Algeria.....	1,982,090	1,421,742			
Morocco.....	1,153,017	1,661,386			
South Africa.....	168,181	2,199			
Tunisia.....	95,317	544,028			
Other Africa.....	4,072,025	3,286,934			
Other countries.....	346,295	160,615			
<b>World total.....</b>	<b>25,491,508</b>	<b>27,419,343</b>			
Relief or charity <sup>3</sup> .....	498,787	404,404			

<sup>1</sup> Flour reported in terms of grain equivalent.<sup>2</sup> Year beginning Oct. 1.<sup>3</sup> Included in world total by country of destination.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 16.—Wheat and flour: Recorded exports of wheat and flour through the International Wheat Agreement, crop year 1986-87 <sup>1</sup>

Member country imports	Member country exports						
	United States	Canada	European Community	Australia	Argentina	Other	Grand total
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
Austria.....			48,666				48,666
Barbados.....	17,174	4,469	179				31,822
Bolivia.....	177,373	21,886	17,562	59,239			276,060
Brazil.....	577,244	835,298	387,577	973,200			2,823,319
Costa Rica.....	105,784	1,302					107,086
Cuba.....		1,263,163	73,847	50,000			1,387,010
Dominican Republic.....	145,516						145,516
Ecuador.....	342,461	2,327					344,788
Egypt.....	3,772,824	233,901	914,669	2,176,859		7,115	7,105,368
El Salvador.....	141,237		4,200		2,500		147,937
European Community:							
Belgium.....	112,892	74,619					187,511
Denmark.....	53	60					113
France.....	810	1,367					2,177
Germany, Fed. Rep. of.....	48,793	24,346				98	73,237
Italy.....	539,491	692,753					1,232,244
Netherlands.....	91,198	78,212					169,410
United Kingdom.....	8,736	450,270		86,750			545,756
Greece.....		917		23			940
Portugal.....	123,702	268,532			30,000	30,858	453,092
Spain.....	7,000						7,000
Finland.....	22,939	143	45			9,416	32,543
Guatemala.....	114,827	1,290	3,394				119,511
India.....	14						14
Iran.....		127,673	10,124	1,752,686	487,400		2,377,883
Iraq.....	954,666	691,439	6,148		1,121,917		2,774,170
Israel.....	539,487	78,528	56,132				674,147
Japan.....	3,260,812	1,351,434	2	963,989			5,576,237
Kenya.....	68,615	1,594	24,751	82,531		4,000	181,491
Korea, Rep. of.....	1,859,783	1,080,273	206,934	709,779	149,000		4,005,769
Lebanon.....	52,510	14,359	117,337		95,000		279,206
Libya.....		166,337	479,075			57,624	698,036
Malta.....	25,200	36,000	20,957				82,157
Mauritius.....	11,662		51,774	18,400			81,836
Morocco.....	1,550,318		8,232				1,558,550
Nigeria.....	767,155		196,400	26,880			990,435
Norway.....	79,672	89,458	25,876			64,394	259,400
Pakistan.....	318,073	50,899	56,088	20,000			445,060
Panama.....	91,619	1,039					92,658
Peru.....	224,094	288,426	15,314	73,500	535,100		1,136,434
Saudi Arabia.....	136		5,087	170			5,393
South Africa.....	168,179		2,993	64,286	30,000		265,458
Sweden.....			2,282				2,282
Switzerland.....	92,100	76,580	94,681			38,952	302,313
Syria.....	3,029	5,388	507,215			7,033	522,665
Trinidad and Tobago.....		7,701	4,400				12,101
Tunisia.....	640,763	25,450	333,910				1,005,123
Turkey.....	245,111		115,950	45,680			406,741
United Kingdom Territories.....	109,097	14,950	1,907	3,155			129,109
United States.....		427,353	63	82			427,498
Soviet Union.....	544,143	5,955,032	5,909,230	1,305,833	541,000	1,305,569	15,560,807
Vatican City.....			196				196
Venezuela.....	845,045	170,949			112,400		1,128,394
Total.....	18,801,337	14,665,717	9,708,197	8,413,042	3,104,317	1,520,059	56,212,669

<sup>1</sup> Data in this table are limited to exports and imports of wheat and flour during July 1, 1986 through June 30, 1987 by countries which are members of the International Wheat Agreement (IWA); they exclude approximately 30 million metric tons of wheat and flour exported to or imported from countries which are not members of the IWA. Flour reported in terms of grain equivalent.

<sup>2</sup> Included are Hong Kong, Gibraltar, Bermuda, and Virgin Islands.

Foreign Agricultural Service. Data from International Wheat Council Report.



**Table 17.—Rye: Area, yield, production, disposition, and value, United States, 1973-87**

Year	Area		Yield per harvested acre	Production	Used on farms where produced for seed and fed to livestock	Sold	Season average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Planted <sup>1</sup>	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1973.....	3,380	955	25.8	24,677	4,672	20,005	1.91	46,532
1974.....	2,828	784	22.3	17,506	3,851	13,655	2.51	43,876
1975.....	2,791	728	21.9	15,924	3,641	12,283	2.36	37,406
1976.....	2,604	719	20.7	14,891	3,641	11,250	2.47	37,038
1977.....	2,555	677	24.4	16,543	3,758	12,785	2.06	34,539
1978.....	2,865	926	26.0	24,065	4,957	19,108	1.99	48,520
1979.....	2,639	850	25.7	21,887	4,521	17,868	2.07	46,086
1980.....	2,488	650	24.6	15,958	( <sup>3</sup> )	( <sup>3</sup> )	2.63	41,988
1981.....	2,566	685	26.6	18,187	( <sup>3</sup> )	( <sup>3</sup> )	3.00	55,004
1982.....	2,533	677	28.9	19,533	( <sup>3</sup> )	( <sup>3</sup> )	2.39	47,460
1983.....	2,707	896	30.3	27,116	( <sup>3</sup> )	( <sup>3</sup> )	2.17	60,074
1984.....	2,971	981	33.1	32,469	( <sup>3</sup> )	( <sup>3</sup> )	2.08	68,828
1985.....	2,563	717	28.8	20,637	( <sup>3</sup> )	( <sup>3</sup> )	2.03	41,902
1986.....	2,384	677	28.8	19,552	( <sup>3</sup> )	( <sup>3</sup> )	1.49	29,159
1987 <sup>4</sup> .....	2,498	683	28.9	19,718	( <sup>3</sup> )	( <sup>3</sup> )	1.48	28,891

<sup>1</sup> Area planted in preceding fall.

<sup>2</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

<sup>3</sup> Estimates discontinued.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 18.—Rye: Supply and disappearance, United States, 1973-87**

Year beginning June	Supply				Disappearance								Ending stocks May 31
	Beginning stocks	Production	Imports	Total	Domestic use					Exports	Total disappearance		
					Food	Seed	Industry	Feed <sup>1</sup>	Total				
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1973.....	38,816	24,677	1	63,494	6,250	4,214	2,547	8,795	21,806	27,513	49,319	14,175	
1974.....	14,175	17,506	277	31,958	5,459	4,438	1,386	7,588	18,871	6,465	25,336	6,622	
1975.....	6,622	15,924	944	23,490	4,172	4,140	2,060	7,598	17,970	1,117	19,087	4,403	
1976.....	4,403	14,891	248	19,542	3,696	4,114	1,930	5,350	15,090	38	15,128	4,414	
1977.....	4,414	16,543	127	21,084	3,648	4,584	1,875	6,984	17,091	24	17,115	3,969	
1978.....	3,969	24,065	145	28,179	3,690	4,644	2,383	8,130	18,847	359	19,206	8,973	
1979.....	8,973	22,389	7	31,369	3,523	4,034	2,116	7,082	16,755	2,422	19,177	12,192	
1980.....	12,192	16,483	10	28,685	3,515	4,150	2,050	7,331	17,046	7,494	24,540	4,145	
1981.....	4,145	18,822	432	23,399	3,458	4,160	2,242	8,915	18,775	1,529	20,304	3,000	
1982.....	3,000	19,500	3,000	25,600	3,300	4,400	2,300	9,600	19,600	200	19,800	5,800	
1983.....	5,800	27,100	1,600	34,500	3,500	4,800	2,100	11,800	22,200	1,000	23,200	11,300	
1984.....	11,300	32,500	600	44,400	3,500	4,100	2,000	14,600	24,200	400	24,600	19,900	
1985.....	19,800	20,600	2,200	42,600	3,500	3,800	2,100	11,100	20,500	200	20,700	21,800	
1986.....	21,900	19,500	1,000	42,500	3,500	3,700	2,000	13,200	22,400	500	22,900	19,600	
1987 <sup>2</sup> .....	19,600	19,700	2,000	41,300	3,500	3,800	2,000	10,800	19,200	400	20,500	20,800	

<sup>1</sup> Residual, approximates total feed use.

<sup>2</sup> Preliminary.

Economic Research Service.

Table 19.—Rye: Area, yield, and production, by States, 1985-87

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els
CO.....	13	15	18	2	2	3	22.0	21.0	24.0	44	42	72
DE.....	29	30	20	3	4	3	35.0	34.0	33.0	105	136	99
GA.....	450	425	380	90	85	70	23.0	21.0	22.0	2,070	1,785	1,540
IL.....	50	45	65	8	7	6	32.0	30.0	24.0	256	210	144
IN.....	35	35	40	11	10	11	28.0	28.0	27.0	308	280	297
IA.....	25	20	25	6	4	4	36.0	30.0	35.0	216	144	140
KS.....	60	64	35	12	10	10	25.0	21.0	27.0	300	210	270
KY.....	50	46	50	2	1	2	26.0	28.0	36.0	52	28	72
MD.....	45	46	55	6	9	8	33.0	33.0	31.0	198	297	248
MI.....	135	145	115	21	23	20	31.0	31.0	32.0	651	713	640
MN.....	145	100	75	110	50	40	30.0	32.0	30.0	3,300	1,600	1,200
MO.....	38	20	15	3	3	2	27.0	20.0	18.0	81	60	36
NE.....	175	140	200	54	45	50	23.0	23.0	21.0	1,242	1,035	1,050
NJ.....	58	58	55	10	10	8	32.0	31.0	29.0	320	310	232
NY.....	110	105	90	12	13	10	35.0	33.0	30.0	420	429	300
NC.....	160	160	150	35	35	30	19.0	17.0	24.0	665	595	720
ND.....	100	135	175	80	125	165	33.0	34.0	31.0	2,640	4,250	5,115
OH.....	40	40	50	4	5	5	43.0	35.0	36.0	172	175	180
OK.....	180	170	175	36	40	20	23.0	21.0	18.0	828	840	360
OR.....	20	20	20	3	5	4	37.0	40.0	30.0	111	200	120
PA.....	70	75	85	20	18	18	37.0	35.0	25.0	740	630	630
SC.....	90	80	90	28	23	24	19.0	17.0	22.0	532	391	528
SD.....	130	130	150	120	120	140	37.0	37.0	36.0	4,440	4,440	5,040
TX.....	150	100	140	20	10	10	20.0	19.0	15.0	400	190	150
VA.....	175	160	200	12	14	15	26.0	26.0	29.0	312	364	435
WI.....	30	20	25	9	6	6	26.0	28.0	20.0	234	168	100
US.....	2,563	2,384	2,498	717	677	683	28.8	28.8	28.9	20,637	19,522	19,718

<sup>1</sup> Relates to the total area of rye sown for all purposes; area planted in preceding fall.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 20.—Rye: Season average price and value, by States, crop of 1985, 1986, and 1987**

State	Season average price per bushel			Value of production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
CO.....	1.95	1.15	1.20	86	48	86
DE.....	2.10	1.62	1.70	221	220	168
GA.....	2.30	1.80	1.75	4,761	3,213	2,695
IL.....	2.40	1.95	1.95	614	410	281
IN.....	2.20	1.70	1.75	678	476	520
IA.....	2.26	1.75	1.80	488	252	252
KS.....	1.60	1.00	1.10	480	210	297
KY.....	2.20	1.85	1.50	114	52	108
MD.....	2.10	1.62	1.70	416	481	422
MI.....	1.90	1.40	2.40	1,237	998	1,536
MN.....	1.74	1.46	1.20	5,742	2,336	1,440
MO.....	2.50	1.75	1.85	203	105	67
NE.....	1.70	1.40	1.40	2,111	1,449	1,470
NJ.....	2.80	3.05	3.05	896	946	708
NY.....	2.70	2.20	2.20	1,134	944	660
NC.....	2.60	1.90	1.90	1,729	1,131	1,368
ND.....	1.82	1.16	1.10	4,805	4,930	5,627
OH.....	3.00	2.50	2.50	516	438	450
OK.....	2.50	1.50	1.50	2,070	1,260	540
OR.....	1.97	1.36	1.45	219	272	174
PA.....	2.70	2.20	2.90	1,998	1,386	1,827
SC.....	2.25	1.75	1.75	1,197	684	924
SD.....	1.75	1.25	1.20	7,770	5,550	6,048
TX.....	2.15	2.00	1.80	860	380	270
VA.....	3.30	2.00	1.80	1,030	728	783
WI.....	2.25	1.55	1.70	527	260	170
US.....	2.03	1.49	1.48	41,902	29,159	28,891

<sup>1</sup> Preliminary.  
National Agricultural Statistics Service.

**Table 21.—Rye: Price-support operations, United States, 1973-88**

Year beginning June <sup>1</sup>	Support price		Put under support <sup>3</sup>		Acquired by CCC under support program <sup>4</sup>	Owned by CCC June 30 <sup>5</sup>
	Per bushel	Percentage of parity <sup>2</sup>	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1973.....	0.89	51	0.4	1.5		
1974.....	.89	46	.2	1.0		
1975.....	.89	39	.1	.6		
1976.....	1.20	48	.1	1.0		
1977.....	1.70	61	.9	5.4		
1978.....	1.70	56	3.0	11.5		
1979.....	1.79	51	1.9	8.5		
1980.....	1.91	51	.4	2.4		
1981.....	2.04	48	.5	2.6		
1982.....	2.17	48	1.7	8.1	1.4	( <sup>6</sup> )
1983.....	2.25	47	5.3	19.6	1.4	1.2
1984.....	2.17	45	10.1	30.9	4.9	5.1
1985.....	2.17	47	4.1	19.9	9.9	16.0
1986.....	1.63	38	5.9	30.3	2.4	15.5
1987.....	1.55	38	<sup>6</sup> 8.8	<sup>6</sup> 44.7	<sup>6</sup> 1.8	<sup>6</sup> 15.8
1988.....	1.50					

<sup>1</sup> Marketing year for 1973 thru 1975 began July 1 and ended June 30. Beginning June 1, 1976 (1975 crop), marketing year begins June 1 and ends May 31.

<sup>2</sup> Percentage of parity price as of the beginning of the marketing year.

<sup>3</sup> Includes loans made, purchases, and purchase agreements entered into.

<sup>4</sup> Acquisitions through loan forfeitures occurring during crop year.

<sup>5</sup> Less than 100,000 bushels.

<sup>6</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 22.—Rye: Area, yield, and production in specified countries, 1985/86–1987/88<sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectares			Production		
	1985/ 86	1986/ 87	1987/ 88 <sup>3</sup>	1985/ 86	1986/ 87	1987/ 88 <sup>3</sup>	1985/ 86	1986/ 87	1987/ 88 <sup>3</sup>
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada.....	372	315	330	1.53	1.93	1.58	569	609	493
United States.....	290	274	274	1.81	1.81	1.82	524	496	501
Total.....	662	589	604				1,093	1,105	994
South America:									
Argentina.....	134	65	140	.75	.92	.92	100	60	60
Brazil.....	13	5	5	1.00	1.00	1.33	13	5	4
Chile.....	5	5	5	2.00	2.00	2.00	10	10	10
Total.....	152	75	150				123	75	74
Europe:									
Belgium-Luxembourg.....	8	10	12	4.13	5.50	4.21	33	55	59
Denmark.....	127	120	130	4.45	4.55	3.79	565	546	512
France.....	84	74	80	3.37	2.70	3.67	283	200	275
Germany, Fed. Rep. of.....	437	425	439	4.30	4.28	3.91	1,877	1,818	1,636
Greece.....	9	11	12	2.22	2.09	1.92	20	23	25
Italy.....	9	8	8	2.56	2.75	2.50	23	22	20
Netherlands.....	5	4	3	3.80	4.75	4.17	19	19	25
Portugal.....	122	118	125	.80	.79	.84	97	93	105
Spain.....	222	221	222	1.33	1.00	1.41	295	220	320
United Kingdom.....	8	6	6	4.38	5.00	5.33	35	30	32
Total EC.....	1,031	997	1,037				3,247	3,026	3,009
Austria.....	88	83	80	3.85	3.42	3.64	339	284	309
Finland.....	31	27	35	2.32	2.63	1.95	72	71	74
Norway.....	1	1	1	3.00	3.00	3.00	3	3	3
Sweden.....	46	39	39	3.43	4.00	3.43	158	156	137
Switzerland.....	4	4	4	5.00	4.75	4.50	20	19	18
Total Western Europe.....	857	812	849				3,447	3,246	3,125
Albania.....	11	11	11	1.09	1.00	1.00	12	11	11
Bulgaria.....	32	30	25	1.53	1.67	1.50	49	50	45
Czechoslovakia.....	182	156	175	3.41	3.49	3.13	620	545	500
German Dem. Rep.....	690	680	680	3.63	3.54	3.47	2,505	2,406	2,375
Hungary.....	85	89	85	1.92	1.90	1.78	163	169	160
Poland.....	3,083	2,831	2,750	2.47	2.57	2.63	7,600	7,281	7,788
Romania.....	40	40	42	1.25	1.50	1.19	50	60	50
Yugoslavia.....	44	42	40	1.75	1.76	1.73	77	74	69
Total Eastern Europe.....	4,167	3,879	3,808				11,076	10,596	10,998
Total Europe.....	5,368	5,030	5,004				14,915	14,155	14,548
Soviet Union (Europe and Asia).....	9,520	8,741	8,500	1.65	1.74	1.86	15,700	15,248	18,055
Africa:									
South Africa.....	33	33	33	.15	.15	.18	5	5	6
Total.....	33	33	33	.15	.15	.18	5	5	6
Asia:									
Turkey.....	240	225	230	1.50	1.56	1.55	360	350	340
Total.....	240	225	230	1.50	1.56	1.55	360	350	340
Oceania:									
Australia.....	40	60	35	.53	.68	.33	21	41	16
Total.....	40	60	35	.53	.68	.33	21	41	16
World total.....	16,015	14,753	14,556				32,217	30,979	34,033

<sup>1</sup> Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates for the Southern Hemisphere harvests, which begin late in 1986 and end early in 1987. <sup>2</sup> Harvested area as far as possible. <sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign Governments, other foreign source materials, reports of Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 23.—Rice, rough: Area, yield, production, disposition, and value, United States, 1973-87**

Year	Area planted	Area harvested	Yield per acre	Production	Used on farms where produced	Sold	Season average price per cwt. received by farmers <sup>1</sup>	Value of production <sup>1</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	2,181.3	2,170.2	4,274	92,765	741	92,024	13.80	1,279,990
1974.....	2,550.0	2,531.0	4,440	112,386	1,043	111,343	11.20	1,261,359
1975.....	2,833.0	2,818.0	4,558	128,437	763	127,674	8.35	1,071,924
1976.....	2,489.0	2,480.0	4,663	115,648	378	115,270	7.02	811,358
1977.....	2,261.0	2,249.0	4,412	99,223	814	98,409	9.49	941,248
1978.....	2,993.0	2,970.0	4,484	133,170	602	132,568	8.16	1,087,000
1979.....	2,890.0	2,869.0	4,599	131,947	851	131,096	10.50	1,383,993
1980.....	3,380.0	3,312.0	4,413	146,150	( <sup>2</sup> )	( <sup>2</sup> )	12.80	1,873,007
1981.....	3,827.0	3,792.0	4,819	182,742	( <sup>2</sup> )	( <sup>2</sup> )	9.05	1,654,413
1982.....	3,295.0	3,262.0	4,710	153,637	( <sup>2</sup> )	( <sup>2</sup> )	8.11	1,246,608
1983.....	2,190.0	2,169.0	4,598	99,720	( <sup>2</sup> )	( <sup>2</sup> )	8.76	874,004
1984.....	2,830.0	2,802.0	4,954	138,810	( <sup>2</sup> )	( <sup>2</sup> )	8.06	1,119,373
1985.....	2,512.0	2,492.0	5,414	134,913	( <sup>2</sup> )	( <sup>2</sup> )	6.53	893,377
1986.....	2,381.0	2,360.0	5,651	133,356	( <sup>2</sup> )	( <sup>2</sup> )	3.75	495,505
1987 <sup>3</sup> .....	2,352.0	2,330.0	5,482	127,725	( <sup>2</sup> )	( <sup>2</sup> )	7.20	919,620

<sup>1</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

<sup>2</sup> Estimates discontinued.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 24.—Rice, rough: Stocks on and off farms, United States, 1973-88**

Year	On farms			Off farms <sup>1</sup>		
	Jan. 1	Apr. 1	Aug. 1	Jan. 1	Apr. 1	Aug. 1
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1973.....	4,714	1,476	94	44,130	22,791	2,845
1974.....	7,729	1,536	77	44,435	25,175	3,877
1975.....	13,608	2,902	63	55,106	31,426	3,987
1976.....	24,713	12,800	657	66,333	50,481	30,688
1977.....	21,006	6,761	709	79,142	61,614	32,642
1978.....	8,269	3,157	586	68,813	49,898	20,542
1979.....	28,089	14,381	623	67,828	53,139	24,515
1980.....	31,021	12,030	563	72,897	55,368	19,530
1981.....	26,179	5,977	208	69,934	43,415	9,632
1982.....	48,404	26,807	4,453	82,980	63,473	36,934
1983.....	34,551	23,778	6,032	100,421	85,255	57,125
1984.....	30,681	15,802	1,250	84,028	63,964	38,456
1985.....	32,426	18,709	697	94,846	77,333	58,453
1986.....	36,737	22,232	2,031	106,249	93,985	68,916
1987.....	<sup>3</sup> 36,264	<sup>4</sup> 19,561	984	<sup>3</sup> 109,276	<sup>4</sup> 87,225	40,819
1988 <sup>2</sup> .....	<sup>3</sup> 29,789	<sup>4</sup> 10,104	.....	<sup>3</sup> 85,631	<sup>4</sup> 67,595	.....

<sup>1</sup> Stocks at mills and in attached warehouses, in warehouses not attached to mills, and in ports or in transit.

<sup>2</sup> Preliminary.

<sup>3</sup> Estimate for December 1, previous year.

<sup>4</sup> Estimate for March 1.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 27

<sup>1</sup> Consolidated supply and disappearance of rough and milled rice. Milled-rice data converted to a rough-rice basis using annually derived extraction rates as factors.

<sup>2</sup> Based on Bureau of Census reports. Estimates for 1969, and 1970 adjusted by ASCS data, based on bills of lading submitted to the USDA for export payments.

<sup>3</sup> Results from losses in drying, storage, handling, and milling and from errors in estimation.

<sup>4</sup> Less than 50,000 cwt.

<sup>5</sup> Preliminary.

Economic Research Service. Totals may not add due to independent rounding.

Table 25.—Rice, by length of grain: Area, yield, and production, United States, 1973-87

Year	Area harvested			Yield per acre			Production		
	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain
	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.
1973	1,058.4	937.8	174.0	4,139	4,196	5,524	43,807	39,347	9,611
1974	1,370.0	949.6	211.4	4,375	4,358	5,234	59,934	41,387	11,065
1975	1,453.3	1,141.2	223.5	4,376	4,579	5,683	63,593	52,255	12,589
1976	1,531.0	794.0	155.0	4,576	4,634	5,681	70,051	36,792	8,805
1977	1,467.0	595.0	187.0	4,240	4,415	5,746	62,206	26,272	10,745
1978	1,925.0	816.6	228.4	4,405	4,464	5,221	84,792	36,544	11,924
1979	1,940.0	749.0	180.0	4,159	5,397	6,019	80,692	40,421	10,834
1980	2,170.0	1,003.6	138.4	4,002	5,122	5,702	86,851	51,407	7,892
1981	2,482.0	1,150.2	159.8	4,449	5,347	6,770	110,426	61,497	10,819
1982	2,175.0	950.5	136.5	4,295	5,402	6,499	93,424	51,342	8,871
1983	1,543.0	511.0	115.0	4,168	5,360	6,969	64,318	27,388	8,014
1984	2,095.0	604.0	103.0	4,584	5,845	7,259	96,029	35,304	7,477
1985	1,942.0	470.5	79.5	5,168	6,050	7,650	100,367	28,464	6,082
1986	1,806.0	498.0	56.0	5,358	6,474	7,757	96,773	32,239	4,344
1987 <sup>1</sup>	1,699.0	578.0	53.0	5,233	6,055	7,202	88,912	34,996	3,817

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 26.—Rice, rough, by length of grain: Stocks in all positions, United States, 1973-88

Year	Long grain				Medium grain				Short grain			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1973	21,247	10,618	1,112	.....	21,495	9,859	937	5	6,102	3,790	890	34
1974	25,302	13,774	2,132	.....	19,866	8,270	939	44	6,996	4,667	883	57
1975	36,393	16,532	1,450	.....	22,502	12,822	1,264	644	9,819	4,974	1,336	164
1976	40,705	24,749	1,260	.....	40,575	31,990	13,579	3,851	9,766	6,542	3,506	1,868
1977	54,987	32,262	12,950	.....	36,532	29,129	17,523	5,376	8,629	6,984	2,878	722
1978	42,641	28,929	9,624	.....	26,617	18,634	9,327	2,804	7,824	5,492	2,177	424
1979	54,785	36,222	11,049	.....	30,873	23,559	10,776	2,698	10,254	7,739	3,313	684
1980	62,318	40,062	10,515	.....	32,645	21,125	6,783	257	8,955	6,211	2,795	326
1981	54,909	27,132	4,869	.....	34,928	18,154	3,637	801	6,276	4,506	1,334	89
1982	72,440	44,208	14,578	.....	53,268	42,589	26,098	13,922	5,676	3,483	711	319
1983	71,051	50,339	21,335	170	56,340	52,754	37,795	21,990	7,581	5,940	4,027	1,830
1984	59,258	36,459	12,627	119	49,011	39,180	24,524	16,124	6,440	4,127	2,555	1,617
1985	74,691	56,393	34,517	2,111	44,807	33,907	21,194	12,408	7,774	5,742	3,439	1,671
1986	101,870	81,916	45,630	2,668	35,754	29,646	22,244	12,749	5,362	4,655	3,073	1,464
1987	<sup>2</sup> 101,298	<sup>2</sup> 70,224	25,097	.....	<sup>2</sup> 38,864	<sup>2</sup> 32,779	19,034	.....	<sup>2</sup> 5,378	<sup>2</sup> 3,783	1,363	.....
1988 <sup>4</sup>	<sup>2</sup> 72,008	<sup>2</sup> 47,466	.....	.....	<sup>2</sup> 39,535	<sup>2</sup> 27,855	.....	.....	<sup>2</sup> 3,877	<sup>2</sup> 2,378	.....	.....

<sup>1</sup> California only.<sup>2</sup> Estimate for December 1, previous year.<sup>3</sup> Estimate for March 1.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 27.—Rough rice and milled rice (rough equivalent): Supply and disappearance, United States, 1973-87<sup>1</sup>

Year beginning August	Supply				Disappearance						Statistical discrepancies <sup>3</sup>	Ending stocks July 31
	Beginning stocks	Production	Imports	Total	Domestic use				Exports <sup>2</sup>	Total disappearance		
					Food	Brewers use	Seed	Total				
Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.	Million cwt.
1973	5.1	92.8	0.2	98.1	26.1	8.1	3.6	37.8	49.7	87.5	2.7	7.8
1974	7.8	112.4	(*)	120.3	23.6	8.4	4.0	41.0	69.5	110.5	2.7	7.1
1975	7.1	128.4	(*)	135.5	27.7	9.1	3.5	40.3	56.5	96.8	1.8	36.9
1976	36.9	115.6	.1	152.6	29.2	10.3	3.2	42.7	65.6	108.3	3.8	40.5
1977	40.5	99.2	.1	139.8	23.5	9.9	4.3	37.7	72.8	110.5	1.9	27.4
1978	27.4	133.2	.1	160.7	33.7	11.2	4.3	49.2	75.7	124.9	4.2	31.6
1979	31.6	131.9	.1	163.6	33.2	11.2	4.8	49.2	82.6	131.8	6.1	25.7
1980	25.7	146.2	.2	172.1	38.4	11.0	5.1	54.5	91.4	145.9	9.7	16.5
1981	16.5	182.7	.4	199.6	42.5	12.7	4.4	59.6	82.0	141.6	9.0	82.0
1982	49.0	153.6	.7	203.3	37.3	13.5	3.2	54.0	68.9	122.9	8.9	71.5
1983	71.5	99.7	.9	172.1	33.2	12.8	3.3	49.3	70.3	119.6	5.6	46.9
1984	46.9	138.8	1.6	187.3	35.8	13.9	2.8	52.5	62.1	114.6	8.0	64.7
1985	64.7	134.9	2.2	201.8	45.6	14.1	2.6	62.3	58.7	121.0	3.5	77.3
1986	77.3	133.4	2.6	213.3	51.7	15.0	2.6	69.3	85.4	154.7	7.0	51.6
1987 <sup>5</sup>	51.6	127.7	3.0	182.3	55.0	16.0	3.0	74.0	73.0	147.0	6.8	28.5

See footnotes on page 19.

Table 28.—Rice, by length of grain: Area, yield, and production, by States, 1985-87

State	Area harvested			Yield per acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
Long grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	979.0	935.0	883.0	5,180	5,290	5,170	50,712	49,462	45,668
CA.....	54.0	20.0	30.0	7,100	7,600	7,000	3,834	1,520	2,100
LA.....	324.0	307.0	262.0	4,450	4,580	4,610	14,418	14,061	12,079
MS.....	188.0	198.0	198.0	5,350	5,400	5,100	10,058	10,692	10,098
MO.....	71.0	65.0	63.0	4,810	5,130	5,430	3,415	3,335	3,420
TX.....	326.0	281.0	263.0	5,500	6,300	5,910	17,930	17,703	15,547
US.....	1,942.0	1,806.0	1,699.0	5,168	5,358	5,233	100,367	96,773	88,912
Medium grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	69.5	84.0	124.0	5,480	5,410	5,800	3,809	4,544	7,192
CA.....	258.0	285.0	287.0	7,220	7,690	7,070	18,628	21,917	20,305
LA.....	139.0	119.0	158.0	4,200	4,470	4,450	5,838	5,319	7,031
MO.....	1.0	2.0	3.0	4,800	4,950	4,800	48	99	144
TX.....	3.0	8.0	6.0	4,700	4,500	5,400	141	360	324
US.....	470.5	498.0	578.0	6,050	6,474	6,055	28,464	32,239	34,996
Short grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	1.5	1.0	3.0	5,070	5,400	5,500	76	54	165
CA.....	78.0	55.0	50.0	7,700	7,800	7,300	6,006	4,290	3,652
US.....	79.5	56.0	53.0	7,650	7,757	7,202	6,082	4,344	3,817

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 29.—Rice: Area, yield, and production, by States, 1985-87

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	1,060.0	1,030.0	1,020.0	1,050.0	1,020.0	1,010.0	5,200	5,300	5,250	54,597	54,060	53,025
CA.....	395.0	363.0	370.0	390.0	360.0	367.0	7,300	7,700	7,100	28,468	27,727	26,057
LA.....	465.0	430.0	425.0	463.0	426.0	420.0	4,370	4,550	4,550	20,256	19,380	19,110
MS.....	190.0	200.0	200.0	188.0	198.0	198.0	5,350	5,400	5,100	10,058	10,692	16,098
MO.....	72.0	68.0	67.0	72.0	67.0	66.0	4,810	5,120	5,400	3,463	3,434	3,564
TX.....	330.0	290.0	270.0	329.0	289.0	269.0	5,490	6,250	5,900	18,071	18,063	15,871
US.....	2,512.0	2,381.0	2,352.0	2,492.0	2,366.0	2,330.0	5,414	5,651	5,482	134,913	133,356	127,725

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 30.—Rice, milled, by length of grain: Stocks in all positions, United States, 1973-88

Year	Whole kernels (head rice)											
	Long grain				Medium grain				Short grain			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1973	1,142	1,774	500	.....	2,281	1,770	278	10	84	333	348	10
1974	1,117	1,467	792	.....	1,512	2,374	835	31	205	319	242	74
1975	1,697	1,185	421	.....	1,130	1,238	660	130	224	773	293	87
1976	1,893	1,454	922	.....	1,197	2,052	1,630	63	137	137	99	461
1977	1,802	2,140	1,618	.....	742	1,453	1,667	222	410	162	367	186
1978	3,417	3,945	1,719	.....	1,704	1,704	1,008	559	376	497	958	1,177
1979	3,349	2,757	2,302	.....	795	1,722	706	380	720	525	144	207
1980	3,312	3,840	2,471	.....	1,983	2,039	824	141	123	98	163	88
1981	3,909	4,146	1,747	.....	1,702	2,731	1,595	154	67	109	409	418
1982	2,600	2,963	2,166	.....	2,025	1,862	1,917	287	289	751	527	176
1983	3,715	3,865	3,157	22	1,027	1,779	1,957	420	458	124	105	70
1984	3,040	3,943	2,703	18	1,192	2,104	1,186	131	197	61	68	71
1985	3,255	4,049	2,218	31	1,245	917	624	1,061	50	89	113	83
1986	1,988	1,370	2,607	255	662	614	600	1,752	54	124	24	633
1987	<sup>2</sup> 2,879	<sup>3</sup> 2,090	3,540	.....	<sup>2</sup> 584	<sup>3</sup> 492	1,015	.....	<sup>2</sup> 218	<sup>3</sup> 29	194	.....
1988 <sup>4</sup>	<sup>2</sup> 3,828	<sup>3</sup> 4,661	.....	.....	<sup>2</sup> 656	<sup>3</sup> 1,254	.....	.....	<sup>2</sup> 50	<sup>3</sup> 136	.....	.....

  

Year	Broken kernels <sup>5</sup>											
	Second heads				Screenings				Brewers			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>	Jan. 1	Apr. 1	Aug. 1	Oct. 1 <sup>1</sup>
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1973	523	686	329	39	49	180	104	.....	215	142	47	8
1974	566	545	587	30	103	189	228	.....	391	160	119	2
1975	731	830	672	34	141	112	37	.....	369	136	81	27
1976	897	1,190	969	7	125	88	111	.....	317	182	161	23
1977	1,121	1,283	1,002	35	75	430	154	.....	193	218	348	27
1978	692	1,004	509	92	81	102	65	.....	174	214	88	22
1979	952	1,285	1,026	180	112	139	68	.....	211	277	337	69
1980	500	507	403	63	31	152	49	.....	121	154	125	17
1981	684	591	930	276	65	66	43	.....	113	169	131	24
1982	884	946	691	416	90	83	73	.....	168	180	103	45
1983	759	847	394	186	85	125	119	.....	175	212	164	32
1984	870	772	938	204	153	211	93	.....	266	210	133	66
1985	874	586	605	147	99	108	66	.....	402	371	216	60
1986	1,301	908	772	315	106	37	79	.....	489	398	448	175
1987	<sup>2</sup> 1,122	<sup>3</sup> 1,210	1,290	.....	<sup>2</sup> 167	<sup>3</sup> 144	221	.....	<sup>2</sup> 719	<sup>3</sup> 594	584	.....
1988 <sup>4</sup>	<sup>2</sup> 1,389	<sup>3</sup> 1,041	.....	.....	<sup>2</sup> 243	<sup>3</sup> 304	.....	.....	<sup>2</sup> 524	<sup>3</sup> 576	.....	.....

<sup>1</sup> California only.<sup>2</sup> Estimates for December 1, previous year.<sup>3</sup> Estimates for March 1.<sup>4</sup> Preliminary.<sup>5</sup> Screenings in California are included in second heads.

National Agricultural Statistics Service.



**Table 31.—Rice: Season average price and value, by States, crop of 1985, 1986, and 1987**

State	Season average price per cwt. <sup>1</sup>			Value of production <sup>1</sup>		
	1985	1986	1987 <sup>2 3</sup>	1985	1986	1987 <sup>2 3</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AR.....	6.70	3.68	.....	365,800	198,941	.....
CA.....	5.33	3.18	.....	151,734	88,172	.....
LA.....	7.24	4.03	.....	146,653	78,101	.....
MS.....	7.10	3.91	.....	71,412	41,806	.....
MO.....	7.05	3.57	.....	24,414	12,259	.....
TX.....	7.38	4.22	.....	133,364	76,226	.....
US.....	6.53	3.75	7.20	893,377	495,505	919,620

<sup>1</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States.

<sup>2</sup> State estimates not available.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 32.—Rice, milled: United States exports under specified Government programs, 1973-86**

Year <sup>1</sup>	Public Law 480			Foreign donations Section 416 <sup>5</sup>	Mutual security (AID) <sup>6</sup>	Total specified Government programs
	Title I sales	Title II donations				
	Long-term dollar and convertible foreign currency credit sales <sup>2</sup>	Government-to- government and World Food Program <sup>3</sup>	Voluntary relief agencies <sup>4</sup>			
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1973.....	13,352	.....	.....	.....	146	13,498
1974.....	16,342	113	11	.....	2	16,468
1975.....	11,228	.....	.....	.....	111	11,339
(?).....	(10,007)	.....	.....	.....	.....	(10,007)
1976.....	14,572	198	357	.....	8	15,135
1977.....	10,275	1,045	345	.....	.....	11,665
1978.....	9,224	1,135	315	.....	.....	10,674
1979.....	8,889	1,888	1,087	.....	.....	11,864
1980.....	5,449	1,583	893	.....	.....	7,925
1981.....	6,603	1,254	378	.....	.....	8,235
1982.....	8,829	988	657	.....	2	10,476
1983.....	6,443	2,006	1,780	.....	.....	10,229
1984.....	9,599	2,051	1,072	.....	.....	12,722
1985.....	5,700	480	711	.....	.....	6,891
1986.....	6,342	2,251	808	1,314	.....	10,715

<sup>1</sup> Year beginning July 1 for 1973-75 and Oct. 1 beginning 1976.

<sup>2</sup> Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480, as amended by P.L. 89-808.

<sup>3</sup> Authorized by Title II, P.L. 480.

<sup>4</sup> Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec. 302, Title III, P.L. 480 through Dec. 31, 1966. Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967.

<sup>5</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984.

<sup>6</sup> Foreign Assistance Act of 1961, as amended.

<sup>7</sup> Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.

Table 33.—Rice, rough: Price-support operations, United States, 1973-88

Marketing year beginning August	Support prices		Put under support <sup>2</sup>		Acquired by CCC under support program <sup>3</sup>	Owned by CCC <sup>4</sup>
	Per/cwt. loan/target	Percentage of parity <sup>1</sup> loan/target	Quantity	Percentage of production		
1973.....	6.07/—	65/—	19.1	20.6		
1974.....	7.54/—	65/—	9.3	8.3	( <sup>5</sup> )	
1975.....	8.52/—	65/—	21.5	16.8	17.3	17.3
1976.....	6.19/8.25	46/61	23.4	20.2	1.8	19.1
1977.....	6.19/8.25	44/59	19.5	19.7	.6	18.6
1978.....	6.40/8.53	42/55	27.1	20.3	.3	10.8
1979.....	6.79/9.05	38/51	26.1	19.8	.4	8.3
1980.....	7.12/9.49	38/50	25.0	17.1		1.7
1981.....	8.01/10.68	39/51	42.8	23.4	17.5	
1982.....	8.14/10.85	39/51	65.8	42.4	6.5	17.5
1983.....	8.14/11.40	39/34	40.0	40.1	25.7	22.3
1984.....	8.00/11.90	39/58	57.8	41.6	31.3	25.0
1985.....	8.00/11.90	41/61	74.7	55.4	16.7	44.3
1986.....	7.20/11.90	37/62	131.8	98.8	2.1	43.6
1987.....	6.84/11.66	36/62	<sup>6</sup> 125.6	98.4	<sup>6</sup> 0	<sup>6</sup> 8.7
1988.....	6.63/11.15					

<sup>1</sup> Percentage of parity price as of the beginning of the marketing year.<sup>2</sup> Includes loans made, purchases, and purchase agreements entered.<sup>3</sup> Acquisitions through loan forfeitures, crop year basis.<sup>4</sup> At beginning of market year.<sup>5</sup> Less than 50,000 cwt.<sup>6</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 34.—Rice: United States exports (milled basis), by country of destination, 1985 and 1986

Country of destination	Year beginning August <sup>1</sup>		Country of destination	Year beginning August <sup>1</sup>	
	1985	1986		1985	1986
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
Canada.....	82,892	63,633	Indonesia.....	1,951	429
Mexico.....	1,126	602	Iran.....	0	0
Bahamas.....	6,276	5,112	Iraq.....	455,773	527,417
Dominican Republic.....	52,130	56,890	Korea, Rep. of.....	104	463
Haiti.....	11,488	80,306	Bangladesh.....	0	89,744
Jamaica.....	36,769	55,814	Saudi Arabia.....	174,275	214,760
Netherlands Antilles.....	11,642	11,022	Total Asia, Middle East, and Oceania <sup>2</sup> .....	858,156	1,488,014
Chile.....	0	10,135	Guinea.....	48,919	47,965
Total Western Hemisphere <sup>2</sup> .....	352,119	774,857	Ivory Coast.....	2,722	6,010
Belgium-Luxembourg.....	94,366	116,227	Liberia.....	81,136	76,284
France.....	4,159	8,641	Nigeria.....	35	50
Germany, Fed. Rep. of.....	12,957	35,668	Senegal.....	91,630	24,949
Netherlands.....	18,720	91,505	South Africa.....	61,367	88,947
Portugal.....	4,290	6,927	Total Africa <sup>2</sup> .....	448,502	419,898
Sweden.....	12,033	16,204	World total <sup>2</sup> .....	1,880,454	2,719,461
Switzerland.....	41,323	68,648			
United Kingdom.....	15,355	28,017			
Total Europe <sup>2</sup> .....	221,677	456,590			

<sup>1</sup> Marketing year.<sup>2</sup> Includes countries not shown.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 35.—Rice, rough: Area, yield, and production in specified countries, 1985/86–1987/88 <sup>1</sup>**

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/ 86	1986/ 87	1987/ 88 <sup>3</sup>	1985/ 86	1986/ 87	1987/ 88 <sup>3</sup>	1985/ 86	1986/ 87	1987/ 88 <sup>3</sup>
	1,000 hect- ares	1,000 hect- ares	1,000 hect- ares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North and Central America:</b>									
Costa Rica.....	72	60	45	3.38	3.05	3.07	243	183	138
Cuba.....	159	155	155	3.30	3.35	3.35	525	520	520
Dominican Republic.....	102	98	98	4.23	4.64	4.71	431	455	462
El Salvador.....	17	12	14	4.00	3.83	2.86	68	46	40
Guatemala.....	15	15	15	2.93	2.73	3.20	44	41	48
Haiti.....	55	45	45	2.42	2.60	2.60	133	117	117
Honduras.....	10	9	16	4.40	4.78	4.44	44	43	71
Jamaica.....	2	1	3	3.00	3.00	2.67	6	3	8
Mexico.....	192	125	150	3.89	4.21	3.80	747	526	570
Nicaragua.....	40	35	45	3.08	3.00	3.07	123	105	138
Panama.....	91	87	83	2.05	2.06	2.00	187	179	166
Trinidad and Tobago.....	10	10	10	3.00	3.00	3.00	30	30	30
United States.....	1,008	955	943	6.07	6.33	6.14	6,122	6,048	5,793
<b>Total.....</b>	<b>1,773</b>	<b>1,607</b>	<b>1,622</b>				<b>8,703</b>	<b>8,296</b>	<b>8,101</b>
<b>South America:</b>									
Argentina.....	130	90	100	3.35	3.91	3.80	435	352	380
Bolivia.....	119	87	120	1.52	1.60	1.55	181	139	186
Brazil.....	5,800	5,997	6,000	1.77	1.74	1.83	10,294	10,419	11,000
Chile.....	32	37	39	3.59	3.95	4.10	115	146	160
Colombia.....	386	333	384	4.66	4.90	4.86	1,798	1,632	1,865
Ecuador.....	134	172	139	2.85	3.11	3.04	382	535	423
Guyana.....	78	92	95	3.40	3.88	2.95	265	357	280
Paraguay.....	35	35	35	1.49	2.00	2.00	52	70	70
Peru.....	190	144	215	3.74	4.15	4.32	710	598	928
Surinam.....	70	75	75	4.09	3.87	3.87	286	290	290
Uruguay.....	86	84	85	4.72	4.05	4.71	406	340	400
Venezuela.....	181	124	135	2.61	2.60	2.73	472	322	369
<b>Total.....</b>	<b>7,241</b>	<b>7,270</b>	<b>7,422</b>				<b>15,396</b>	<b>15,200</b>	<b>16,351</b>
<b>Europe:</b>									
France.....	11	12	13	5.64	5.00	4.23	62	60	55
Greece.....	16	18	18	6.63	6.61	6.33	106	119	114
Italy.....	187	193	191	6.38	5.72	5.73	1,193	1,103	1,094
Portugal.....	30	31	32	4.93	4.87	4.53	148	151	145
Spain.....	74	79	77	6.20	6.25	6.36	459	494	490
<b>Total EC.....</b>	<b>319</b>	<b>333</b>	<b>331</b>				<b>1,968</b>	<b>1,927</b>	<b>1,898</b>
Bulgaria.....	13	16	16	4.23	4.75	4.75	55	76	76
Hungary.....	15	15	15	3.20	3.20	3.20	48	48	48
Romania.....	38	45	47	3.63	3.93	3.28	138	177	154
Yugoslavia.....	9	9	9	4.11	5.33	5.33	36	48	48
<b>Total Eastern Europe.....</b>	<b>75</b>	<b>85</b>	<b>87</b>				<b>277</b>	<b>349</b>	<b>326</b>
<b>Total Europe.....</b>	<b>394</b>	<b>416</b>	<b>418</b>				<b>2,245</b>	<b>2,276</b>	<b>2,224</b>
<b>Soviet Union (Europe and Asia).....</b>	<b>671</b>	<b>621</b>	<b>650</b>	<b>3.83</b>	<b>4.24</b>	<b>4.13</b>	<b>2,569</b>	<b>2,632</b>	<b>2,683</b>
<b>Africa:</b>									
Algeria.....	1	1	1	1.00	1.00	1.00	1	1	1
Angola.....	18	20	20	1.11	1.10	1.15	20	22	23
Benin.....	6	7	8	1.00	1.29	1.38	6	9	11
Cameroon.....	40	35	35	3.08	3.23	3.23	123	113	113
Chad.....	8	13	13	1.25	1.15	1.15	10	15	15
Egypt.....	389	459	423	5.94	5.95	5.51	2,312	2,731	2,331
Gambia.....	20	27	25	2.00	1.52	1.48	40	41	37
Ghana.....	87	90	100	.83	.81	.87	72	73	87
Guinea.....	420	425	430	1.04	1.11	1.07	437	471	462
Guinea-Bissau.....	140	140	165	.87	.86	.93	122	120	154
Ivory Coast.....	420	509	540	1.29	1.29	1.10	541	561	595
Kenya.....	9	9	9	4.00	4.22	4.00	36	38	36
Liberia.....	230	233	245	1.25	1.22	1.24	288	285	305
Madagascar.....	1,180	1,180	1,195	1.85	1.89	1.80	2,178	2,230	2,150
Mali.....	220	255	216	.91	.96	.87	200	245	188
Malawi.....	21	23	19	1.57	1.57	1.42	33	36	27
Mauritania.....	5	7	15	3.00	2.71	3.47	15	19	52
Morocco.....	1	5	5	2.00	3.60	3.60	2	18	18
Mozambique.....	70	70	55	.87	.87	.82	61	61	45
Niger.....	30	30	27	1.93	2.50	2.15	58	75	58
Nigeria.....	710	660	630	1.44	1.43	1.31	1,023	947	827

See footnotes at end of table.

Table 35.—Rice, rough: Area, yield, and production in specified countries, 1985/86–1987/88 <sup>1</sup>—Continued

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/ 86	1986/ 87	1987/ 88 <sup>3</sup>	1985/ 86	1986/ 87	1987/ 88 <sup>3</sup>	1985/ 86	1986/ 87	1987/ 88 <sup>3</sup>
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Africa—Continued</b>									
Senegal.....	71	70	73	2.06	1.97	1.85	146	138	135
Sierra Leone.....	380	375	380	1.33	1.27	1.24	505	475	508
Somali Rep.....	5	7	6	2.20	2.57	2.50	11	18	15
Swaziland.....	2	2	2	2.50	2.50	2.50	5	5	5
Sudan.....	7	7	7	1.43	1.43	1.43	10	10	10
Tanzania.....	220	316	365	1.93	1.75	1.76	430	547	644
Togo.....	20	21	23	.85	.86	.91	17	18	21
Upper Volta.....	25	20	20	2.04	1.55	1.60	51	31	32
Zaire.....	334	340	340	.88	.88	.90	295	298	306
Zambia.....	11	11	12	1.18	1.36	1.25	13	15	15
Total.....	5,100	5,367	5,404				9,061	9,666	9,226
<b>Asia:</b>									
Afghanistan.....	230	225	230	2.09	2.05	2.07	480	462	477
Bangladesh.....	10,403	10,609	10,339	2.17	2.18	2.15	22,562	23,111	22,192
Brunei.....	3	3	3	2.00	2.00	2.00	6	6	6
Burma.....	4,600	4,660	4,440	2.86	2.66	2.79	13,144	12,400	12,400
Cambodia.....	1,450	1,550	1,400	.97	.97	.91	1,400	1,500	1,270
China.....	32,070	32,266	32,067	5.26	5.34	5.42	168,570	172,224	173,930
Taiwan.....	564	538	522	4.82	4.64	4.69	2,720	2,497	2,450
India.....	41,137	40,774	39,700	2.33	2.22	1.93	95,747	90,633	76,508
Indonesia.....	9,902	9,896	9,750	3.94	3.94	3.97	39,032	38,971	38,676
Iran.....	312	310	310	4.49	4.40	4.40	1,400	1,364	1,364
Iraq.....	53	50	55	2.81	2.92	2.73	149	146	150
Japan.....	2,342	2,303	2,146	6.22	6.32	6.19	14,577	14,559	13,284
Korea, Dem. Peo. Rep. of.....	840	880	880	6.25	6.36	6.36	5,250	5,594	5,594
Korea, Rep. of.....	1,237	1,236	1,262	6.35	6.37	6.02	7,855	7,872	7,596
Laos.....	730	730	700	2.00	2.08	1.79	1,458	1,517	1,250
Malaysia.....	649	635	630	3.01	2.81	2.88	1,953	1,786	1,817
Nepal.....	1,391	1,333	1,350	2.02	1.78	1.76	2,803	2,372	2,372
Pakistan.....	1,863	2,066	1,884	2.35	2.53	2.53	4,379	5,230	4,767
Philippines.....	3,403	3,402	3,280	2.67	2.64	2.58	9,097	8,971	8,451
Saudi Arabia.....	1	1	1	3.00	3.00	3.00	3	3	3
Sri Lanka.....	864	837	680	3.08	3.10	3.13	2,660	2,596	2,125
Thailand.....	9,833	9,659	9,000	2.00	1.95	1.70	19,700	18,868	15,300
Turkey.....	68	70	65	3.66	3.63	3.78	249	254	246
Vietnam, Soc. Rep. of.....	5,700	5,700	5,650	2.63	2.70	2.59	15,000	15,385	14,615
Total.....	129,645	129,733	126,344				430,194	428,321	406,843
<b>Oceania:</b>									
Australia.....	107	96	104	6.42	5.72	7.50	687	549	780
Total.....	107	96	104				687	549	780
World total.....	144,930	145,112	141,964				468,855	466,940	446,208

<sup>1</sup> Crop year beginning Aug. 1. Crops harvested in the Northern Hemisphere during the latter part of the year are combined with those harvested in Asia principally from November to May, and in the Southern Hemisphere harvested during the first part of the following year.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

Table 36.—Rice, milled equivalent:<sup>1</sup> International trade, 1985-87<sup>2</sup>

Continent and country	1985		1986		1987 <sup>3</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>						
Canada.....		115		115	0	125
El Salvador.....		6		5	0	5
Honduras.....					0	5
Mexico.....		164		75	0	0
Nicaragua.....				15	0	30
Panama.....	10				0	5
United States.....	1,850	60	2,389	70	2,600	95
Cuba.....		200		200	0	200
Jamaica.....		50		60	0	60
Trinidad and Tobago.....		55		55	0	40
Other.....		25	10	170	0	160
Total.....	1,860	675	2,399	765	2,600	725
<b>South America:</b>						
Argentina.....	165		145		160	0
Brazil.....		400		1,200	170	0
Guyana.....	35			35	35	0
Chile.....		3		10	0	20
Colombia.....	25		35		10	20
Ecuador.....	15	31	5	70	25	0
Peru.....	50	5		186	0	200
Surinam.....	130		130		125	0
Uruguay.....	231		280		200	0
Venezuela.....					0	70
Other.....	20		20		0	0
Total.....	671	439	615	1,501	725	310
<b>Europe:</b>						
Austria.....		45		45	0	50
Belgium-Luxembourg.....	137	185	140	190	120	175
Denmark.....		14		15	0	15
France.....	43	268	15	230	45	155
Germany, Fed. Rep. of.....	40	194	40	190	40	185
Greece.....	25	10	20	5	20	5
Italy.....	512	138	700	240	550	50
Netherlands.....	100	165	110	160	100	150
Norway.....		10		10	0	10
Portugal.....		102		100	0	50
Spain.....	50	15	55	24	160	80
Sweden.....		28		30	0	40
Switzerland.....		25		25	0	25
United Kingdom.....		180		190	10	200
Other.....		30		30	0	31
Total Western Europe.....	907	1,409	1,080	1,484	1,045	1,221
<b>Germany, Dem. Rep. of.....</b>						
		43		25	0	30
Hungary.....		50		55	0	55
Poland.....		103		100	0	100
Romania.....		44		40	0	15
Yugoslavia.....		20		20	0	0
Soviet Union.....	100	150	100	200	100	150
Other.....		75		80	0	80
Total Eastern Europe.....	100	485	100	520	100	430
<b>Africa:</b>						
Algeria.....		25		25	0	25
Angola.....		50		50	0	40
Zaire.....		45		45	0	75
Gambia.....		50		45	0	50
Ghana.....		40		60	0	25
Guinea.....		100		110	0	120
Ivory Coast.....		162	5	375	0	200
Liberia.....		70		80	0	75
Madagascar.....		170		150	0	70

See footnotes at end of table.

Table 36.—Rice, milled equivalent:<sup>1</sup> International trade, 1985-87<sup>2</sup>—Continued

Continent and country	1985		1986		1987 <sup>3</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Africa—Continued						
Mauritius.....		90		100		70
Mozambique.....		120		125		120
Nigeria.....		370		200		300
Senegal and Mauritania.....		450		465		395
Sierra Leone.....		112		95		80
South Africa.....		170		195		175
Egypt.....	16		50	50	100	
Tanzania.....		40		50		45
Other.....	5	586	5	625	5	455
Total.....	21	2,650	60	2,845	105	2,820
Asia:						
Bangladesh.....		254		90		300
Saudi Arabia.....		500		500		500
Israel.....		60		65		65
Jordan.....		55		60		65
Lebanon.....		25		25		25
Turkey (Europe and Asia).....		80		80		110
Iraq.....		475		500		450
Syria.....		130		130		100
Iran.....		750		700		550
Burma.....	450		636		300	
Sri Lanka.....		195		150		200
China.....	1,010	100	950	250	1,100	200
Taiwan.....	40		275	5	225	5
Hong Kong.....	5	370	5	370	5	380
India.....	200	10	200	10	200	200
Kampuchea.....		50		50		50
Laos.....		40		20		30
Vietnam, Soc. Rep. of.....	50	400	50	500	50	400
Indonesia.....	392	40	300	40		200
Japan.....		19		20		17
Korea, Rep. of.....						
Korea, Dem. People's Rep.....	250		250	200	250	
Malaysia.....		425		325		350
Singapore.....	5	200	5	200	25	210
Pakistan.....	962		1,148		1,100	
Philippines.....		528		150		200
Thailand.....	3,993		4,338		2,200	
Other.....	70	450	15	475	15	470
Total.....	7,427	5,156	8,172	4,915	5,470	5,077
Oceania:						
Australia.....	450	9	400	5	400	10
Other.....		110		115		115
Total.....	450	119	400	120	400	125
Other countries.....	95	1,276		465		80
World total.....	11,531	12,209	12,826	12,615	10,445	10,238

<sup>1</sup> Includes milled, semi-milled, broken, and rough rice in terms of milled.<sup>2</sup> Calendar year.<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers.

Table 37.—Food grains: Average price, selected markets and grades, 1973-86<sup>1</sup>

Crop year <sup>2</sup>	Kansas City			Minneapolis			Portland Wheat, No. 1 Soft White	St. Louis Wheat, No. 2 Soft Red Winter
	Wheat, No. 1 Hard Winter, Ordinary Protein	Wheat, No. 1 Hard Winter, 13% protein	Wheat, No. 1 Soft Red Winter	Wheat, No. 1 Hard Amber Durum	Wheat, No. 1 Dark Northern Spring, 14% protein	Rye, No. 2		
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>
1973	4.51	4.58	n.a.	6.40	5.03	2.51	4.71	4.51
1974	4.20	4.64	4.12	6.53	4.85	2.89	4.44	4.11
1975	3.74	4.16	3.52	5.05	4.42	2.84	3.88	3.46
1976	2.88	3.18	2.70	3.19	3.35	2.87	3.10	2.77
1977	2.72	2.81	2.54	3.31	2.88	2.53	3.09	2.54
1978	3.38	3.41	3.34	3.60	3.35	2.44	3.73	3.43
1979	4.25	4.34	4.04	4.99	4.21	2.47	4.22	4.10
1980	4.45	4.50	4.23	6.39	4.71	3.35	4.36	4.39
1981	4.27	4.30	3.67	4.21	4.29	3.80	4.20	3.66
1982	3.94	4.13	3.53	3.96	4.09	2.75	4.39	3.32
1983	3.84	4.14	3.58	4.57	4.30	2.50	3.95	3.62
1984	3.74	3.93	3.49	4.26	4.06	2.26	3.82	3.57
1985	3.28	3.62	3.16	3.45	3.94	2.32	3.72	3.26
1986	2.72	2.87	2.85	3.17	3.07	1.77	2.90	2.87

  

Crop year <sup>2</sup>	Chicago Wheat, No. 2 Soft Red Winter	Denver Wheat, No. 1 Hard Winter	San Francisco Milled Rice Short	S. W. Louisiana Milled Rice		Arkansas Milled Rice		Texas Milled Rice	
				Medium	Long	Medium	Long	Medium	Long
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
1973	4.84	4.00	24.20	26.40	30.40	26.70	30.80	27.40	31.75
1974	4.16	3.76	25.40	20.05	21.55	21.15	22.40	19.90	22.05
1975	3.54	3.33	20.65	15.85	17.20	17.10	18.10	17.35	18.35
1976	2.81	2.38	15.15	13.30	14.60	14.40	15.30	14.10	14.95
1977	2.56	2.16	20.25	20.55	21.40	19.10	21.25	20.60	21.75
1978	3.57	2.77	18.25	16.00	18.20	15.40	18.40	16.65	18.85
1979	4.24	3.54	22.00	21.40	22.05	21.50	22.25	22.05	22.40
1980	4.33	3.78	23.45	22.51	22.92	22.51	22.62	.....	22.81
1981	3.74	3.61	22.10	19.20	20.25	19.44	20.20	.....	21.30
1982	3.33	3.44	16.05	16.90	18.00	16.80	17.80	.....	18.70
1983	3.56	3.36	15.96	17.50	18.64	17.34	18.65	.....	19.88
1984	3.51	3.31	15.45	16.05	17.75	16.25	17.70	.....	18.60
1985	3.22	2.96	14.35	14.75	16.15	15.25	16.15	.....	16.80
1986	2.76	2.40	14.80	12.25	13.10	13.50	13.80	.....	14.60

<sup>1</sup> Simple average of daily prices.

<sup>2</sup> For wheat and rye, crop year begins in June. For rice, crop year begins in August.

n.a. not available.

Agricultural Marketing Service.

Table 38.—Corn: Area, yield, production, disposition, and value, United States, 1973-87

Year	Area planted, all purposes	Corn for grain							Corn for silage		
		Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Season average price per bushel <sup>1</sup>	Value of production <sup>1</sup>	Area harvested	Yield per harvested acre	Production <sup>2</sup>
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars	1,000 acres	Tons	1,000 tons
1973.....	72,253	62,143	91.3	5,670,712	2,217,479	3,543,233	2.55	14,462,744	9,023	12.7	114,267
1974.....	77,935	65,405	71.9	4,701,402	1,754,693	2,946,709	3.02	14,231,557	10,844	10.7	115,705
1975.....	78,719	67,625	86.4	5,840,757	2,121,088	3,719,669	2.54	14,817,840	9,848	11.8	116,087
1976.....	84,588	71,506	88.0	6,289,169	2,329,332	3,959,837	2.15	13,524,134	11,281	10.5	118,547
1977.....	84,328	71,614	90.8	6,505,041	2,548,330	3,956,711	2.02	13,107,420	9,314	12.6	117,743
1978.....	81,675	71,930	101.0	7,267,927	2,835,821	4,432,106	2.25	16,280,688	8,624	13.7	118,132
1979.....	81,394	72,400	109.5	7,928,139	2,976,268	4,962,551	2.52	19,876,655	7,989	14.4	114,799
1980.....	84,043	72,961	91.0	6,639,396	( <sup>3</sup> )	( <sup>3</sup> )	3.11	20,554,147	9,299	12.0	111,990
1981.....	84,097	74,524	108.9	8,118,650	( <sup>3</sup> )	( <sup>3</sup> )	2.50	20,200,261	8,307	14.2	117,891
1982.....	81,857	72,719	113.2	8,235,101	( <sup>3</sup> )	( <sup>3</sup> )	2.68	22,039,409	8,252	14.3	117,782
1983.....	60,217	51,483	81.1	4,174,678	( <sup>3</sup> )	( <sup>3</sup> )	3.25	13,534,930	7,814	12.3	96,347
1984.....	80,543	71,915	106.7	7,674,020	( <sup>3</sup> )	( <sup>3</sup> )	2.62	20,084,595	7,541	13.9	104,590
1985.....	83,448	75,224	118.0	8,876,706	( <sup>3</sup> )	( <sup>3</sup> )	2.23	19,521,975	7,160	14.4	102,753
1986.....	76,674	69,159	119.3	8,249,864	( <sup>3</sup> )	( <sup>3</sup> )	1.50	12,541,426	6,274	14.1	88,660
1987 <sup>4</sup> .....	65,706	59,167	119.4	7,064,143	( <sup>3</sup> )	( <sup>3</sup> )	1.69	21,129,690	5,872	14.6	85,586

<sup>1</sup> Includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate, by States, where applicable. <sup>2</sup> Includes hogged or grazed and that cut and fed without removing grain. <sup>3</sup> Estimates discontinued. <sup>4</sup> Preliminary.

National Agricultural Statistics Service.



Table 39.—Corn: Stocks on and off farms, United States, 1973-88

Year	On farms				Off farms <sup>3</sup>			
	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1 <sup>2</sup>	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1 <sup>2</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1973.....	3,692,724	2,387,458	1,374,066	403,918	1,141,455	954,964	564,315	303,960
1974.....	3,371,270	2,020,081	1,067,098	288,737	1,116,424	849,794	380,541	195,125
1975.....	2,560,883	1,522,900	811,014	193,194	1,080,024	704,911	345,658	168,193
1976.....	3,203,242	1,923,759	1,292,185	233,193	1,270,300	912,996	576,640	166,459
1977.....	3,357,995	2,141,623	1,582,768	447,846	1,544,023	1,159,329	787,263	438,019
1978.....	3,873,623	2,549,170	1,872,359	666,727	1,678,678	1,360,245	988,779	444,708
1979.....	4,637,662	3,177,893	2,318,006	794,465	1,681,036	1,322,484	969,208	509,460
1980.....	5,035,688	3,437,303	2,551,625	920,453	1,844,484	1,416,321	1,092,648	696,597
1981.....	4,138,902	2,639,578	1,817,256	489,881	1,717,844	1,346,494	956,199	544,388
1982.....	4,986,266	3,591,813	2,734,195	1,243,331	1,934,436	1,506,394	1,145,921	930,675
1983.....	5,935,986	4,241,717	3,093,509	1,510,394	2,268,706	1,956,269	1,830,375	1,609,543
1984.....	3,079,963	1,933,652	1,213,068	347,853	1,832,904	1,317,558	932,007	375,370
1985.....	4,304,054	2,833,806	2,007,823	678,947	1,560,171	1,131,736	827,701	701,780
1986.....	5,528,606	3,981,992	3,143,067	.....	2,366,162	1,965,087	1,846,970	.....
Year beginning previous December	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1
1987.....	6,795,500	5,024,000	3,491,800	2,284,500	3,508,605	3,224,193	2,840,441	2,597,193
1988 <sup>4</sup> .....	6,100,000	4,421,000	3,290,600	.....	3,668,465	3,214,190	2,592,417	.....

<sup>1</sup> Prior to 1976, estimates are for July 1.<sup>2</sup> Old crop only.<sup>3</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 40.—Corn: Supply and disappearance, United States, 1973-87 <sup>1</sup>

Year beginning October	Supply				Disappearance					Ending stocks Sept. 30		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held <sup>2</sup>	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1973.....	708	5,671	1	6,380	4,181	472	4,653	1,243	5,896	477	7	484
1974.....	484	4,701	2	5,187	3,181	496	3,677	1,149	4,826	361	0	361
1975.....	558	5,841	2	6,401	3,569	521	4,090	1,678	5,768	633	0	633
1976.....	633	6,289	3	6,925	3,590	542	4,132	1,657	5,789	1,136	0	1,136
1977.....	1,135	6,505	3	7,643	3,717	581	4,298	1,909	6,207	1,432	4	1,436
1978.....	1,436	7,268	1	8,705	4,264	607	4,871	2,124	6,995	1,609	101	1,710
1979.....	1,710	7,928	1	9,639	4,550	640	5,190	2,415	7,605	1,774	260	2,034
1980.....	2,034	6,639	1	8,674	4,156	718	4,874	2,408	7,282	1,150	242	1,392
1981.....	1,392	8,119	1	9,512	4,169	796	4,965	2,010	6,975	2,257	280	2,537
1982.....	2,537	8,235	1	10,773	4,522	894	5,416	1,834	7,250	2,380	1,143	3,523
1983.....	3,523	4,175	3	7,701	3,818	975	4,793	1,902	6,695	805	201	1,006
1984.....	1,006	7,674	4	8,684	4,080	1,091	5,171	1,865	7,036	1,423	225	1,648
1985.....	1,648	8,877	11	10,536	4,095	1,160	5,255	1,241	6,496	3,494	546	4,040
1986.....	4,040	8,250	2	12,291	4,714	1,192	5,906	1,504	7,410	3,039	1,443	4,882
1987 <sup>3</sup> .....	4,882	7,064	2	11,948	4,900	1,236	6,136	1,700	7,836	2,762	1,350	4,112

<sup>1</sup> 1975 to date revised based on new crop year, Sept. 1-Aug. 31.<sup>2</sup> Includes total Government loans (original and resale).<sup>3</sup> Preliminary.

Economic Research Service.

Table 41.—Corn: Area, yield, and production, by States, 1985-87

State	Area planted for all purposes			Corn for grain								
	1985	1986	1987 <sup>1</sup>	Area harvested			Yield per harvested acre			Production		
				1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	370	340	300	325	270	250	75.0	57.0	72.0	24,375	15,390	18,000
AZ.....	29	37	29	21	24	20	105.0	110.0	100.0	2,205	2,640	2,000
AR.....	80	90	70	73	80	65	108.0	106.0	115.0	7,884	8,480	7,475
CA.....	550	500	425	320	250	190	145.0	152.0	150.0	46,400	38,000	28,500
CO.....	875	820	800	745	710	680	139.0	140.0	155.0	103,555	99,400	106,950
CT <sup>2</sup> .....	67	57	25	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )						
DE.....	185	180	165	175	169	148	109.0	83.0	73.0	19,075	14,027	10,804
FL.....	240	200	130	190	160	105	65.0	62.0	72.0	12,350	9,920	7,560
GA.....	1,080	900	680	975	730	610	84.0	58.0	84.0	81,900	42,340	51,240
ID.....	175	130	110	80	60	50	125.0	130.0	130.0	10,000	7,800	6,500
IL.....	11,600	18,600	9,250	11,370	10,400	9,100	135.0	135.0	132.0	1,534,950	1,404,000	1,201,200
IN.....	6,300	5,850	4,800	6,150	5,700	4,680	123.0	122.0	135.0	756,450	695,400	631,800
IA.....	13,900	12,300	10,300	13,550	12,050	10,050	126.0	135.0	130.0	1,707,300	1,626,750	1,306,500
KS.....	1,300	1,450	1,300	1,170	1,335	1,180	130.0	136.0	120.0	152,100	181,560	141,600
KY.....	1,740	1,730	1,300	1,560	1,520	1,140	102.0	92.0	104.0	159,120	139,840	118,560
LA.....	220	400	225	205	385	213	114.0	116.0	105.0	23,370	44,660	22,365
ME <sup>2</sup> .....	44	41	37	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
MD.....	745	700	560	640	580	460	110.0	73.0	78.0	70,400	42,340	35,880
MA <sup>2</sup> .....	46	43	40	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
MI.....	3,100	2,800	2,300	2,730	2,450	1,950	105.0	105.0	95.0	286,650	257,250	185,250
MN.....	7,300	6,400	5,500	6,300	5,800	5,000	115.0	122.0	127.0	724,500	707,600	635,000
MS.....	160	210	210	115	180	185	68.0	75.0	80.0	7,820	13,500	14,800
MO.....	2,600	2,550	2,250	2,480	2,420	2,150	110.0	116.0	113.0	272,800	280,720	242,950
MT.....	84	80	80	11	13	15	95.0	115.0	105.0	1,045	1,495	1,575
NE.....	7,800	7,300	6,500	7,450	7,000	6,200	128.0	128.0	131.0	953,600	896,000	812,200
NH <sup>2</sup> .....	28	28	25	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
NJ.....	140	135	115	114	164	95	110.0	107.0	110.0	12,540	11,128	10,450
NM.....	92	80	68	65	55	49	155.0	150.0	155.0	10,075	8,250	7,595
NY.....	1,380	1,220	1,010	720	620	511	95.0	99.0	109.0	68,400	61,380	55,590
NC.....	1,820	1,600	1,300	1,625	1,360	1,150	79.0	69.0	60.0	128,375	93,840	69,000
ND.....	1,000	880	770	560	530	500	72.0	93.0	93.0	40,320	49,290	46,500
OH.....	4,250	3,900	3,200	4,030	3,720	3,020	127.0	128.0	120.0	511,810	476,160	362,400
OK.....	80	70	80	58	45	56	106.0	116.0	107.0	6,148	5,220	5,392
OR.....	70	60	55	40	30	24	165.0	160.0	165.0	6,600	4,800	3,960
PA.....	1,780	1,670	1,550	1,380	1,240	1,060	110.0	103.0	90.0	151,800	127,720	95,400
RI <sup>2</sup> .....	4	4	3	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
SC.....	560	550	420	520	460	375	88.0	46.0	78.0	45,760	21,160	29,250
SD.....	3,510	3,300	3,100	3,000	2,850	2,750	84.0	82.0	83.0	252,000	233,700	228,250
TN.....	950	910	730	810	770	580	98.0	74.0	91.0	79,380	56,980	52,780
TX.....	1,550	1,400	1,300	1,490	1,330	1,250	105.0	112.0	107.0	156,450	148,960	133,750
UT.....	80	72	70	16	18	20	115.0	125.0	140.0	1,840	2,250	2,800
VT <sup>2</sup> .....	110	102	98	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )						
VA.....	740	730	550	550	400	300	99.0	54.0	63.0	54,450	21,600	18,900
WA.....	190	170	120	135	120	80	160.0	170.0	170.0	21,600	20,400	13,600
WV.....	110	95	85	73	70	30	105.0	90.0	72.0	7,665	6,300	3,600
WI.....	4,300	3,900	3,550	3,350	3,100	2,800	107.0	118.0	118.0	358,450	365,800	330,400
WY.....	114	90	91	53	51	47	98.0	114.0	111.0	5,194	5,814	5,217
US.....	83,448	76,674	65,706	75,224	69,159	59,167	118.0	119.3	119.4	8,876,706	8,279,864	7,064,143

<sup>1</sup> Preliminary.<sup>2</sup> All acreage harvested is for silage.<sup>3</sup> Not estimated.

National Agricultural Statistics Service.

Table 42.—Corn: Utilization for silage and forage, by States, 1985-87

State	Silage								
	Area harvested			Yield per acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons	
AL.....	30	25	22	12.0	9.0	10.0	360	225	220
AZ.....	8	13	9	23.0	25.0	23.0	184	325	207
AR.....	4	9	4	12.0	14.0	10.0	48	126	40
CA.....	225	243	229	22.0	24.0	26.0	4,950	5,832	5,954
CO.....	128	95	105	23.0	22.0	22.0	2,944	2,090	2,310
CT.....	58	51	50	18.0	20.0	18.0	1,044	1,020	900
DE.....	7	9	14	15.0	11.0	9.0	105	99	126
FL.....	20	15	10	14.0	13.0	13.5	280	195	135
GA.....	48	40	40	14.5	9.0	10.5	696	360	420
ID.....	93	69	48	21.5	23.0	22.0	2,000	1,587	1,056
IL.....	185	160	140	16.0	16.0	15.5	2,960	2,560	2,170
IN.....	125	120	110	16.0	17.0	18.0	2,000	2,040	1,980
IA.....	300	200	220	16.0	17.0	16.0	4,800	3,400	3,520
KS.....	114	95	100	14.5	16.0	15.0	1,653	1,520	1,500
KY.....	165	190	150	16.0	14.0	15.0	2,640	2,660	2,250
LA.....	9	10	10	12.0	12.0	13.0	108	120	130
ME.....	36	34	32	16.0	14.0	16.0	576	476	512
MD.....	102	115	95	15.0	9.0	12.0	1,530	1,035	1,140
MA.....	39	36	34	19.0	18.0	18.5	741	648	629
MI.....	340	320	330	13.5	13.5	13.0	4,590	4,320	4,290
MN.....	750	450	430	12.5	13.5	13.5	9,375	6,075	5,805
MS.....	40	20	19	13.5	12.0	13.0	540	240	247
MD.....	100	80	80	13.5	13.5	14.0	1,350	1,080	1,120
MT.....	69	63	64	19.0	19.0	18.0	1,311	1,197	1,152
NE.....	300	200	225	16.5	15.5	17.0	4,950	3,100	3,825
NH.....	25	25	23	18.0	18.5	19.0	450	463	437
NJ.....	24	27	19	16.5	15.5	15.0	396	419	285
NM.....	25	22	16	23.0	20.0	20.0	575	440	320
NY.....	640	570	480	14.0	14.0	15.0	8,960	7,980	7,200
NC.....	146	130	105	15.0	7.5	11.0	2,190	975	1,155
ND.....	360	300	230	5.4	7.5	7.5	1,944	2,250	1,725
OH.....	200	160	160	17.0	17.0	16.0	3,400	2,720	2,560
OK.....	20	15	23	17.0	17.0	16.0	340	255	368
OR.....	28	29	30	24.0	24.0	24.0	672	696	720
PA.....	395	420	480	16.5	15.0	14.5	6,518	6,300	6,960
RI.....	4	4	3	17.0	19.0	15.0	68	76	45
SC.....	35	45	32	14.0	7.0	12.0	490	315	384
SD.....	420	370	320	7.3	7.5	7.3	3,066	2,775	2,336
TN.....	125	130	140	16.0	12.0	13.0	2,000	1,560	1,820
TX.....	40	55	40	18.5	18.5	19.0	740	1,018	760
UT.....	61	52	47	20.0	19.5	21.0	1,220	1,014	987
VT.....	95	90	87	14.5	14.0	16.0	1,378	1,260	1,392
VA.....	180	300	225	15.0	10.0	9.5	2,700	3,000	2,138
WA.....	55	50	40	22.0	24.0	25.0	1,210	1,200	1,000
WV.....	31	22	31	17.0	14.0	11.5	527	308	357
WV.....	900	760	730	12.5	14.0	14.0	11,250	10,640	10,220
WY.....	56	36	41	16.5	18.5	19.0	924	666	779
US.....	7,160	6,274	5,872	14.4	14.1	14.6	102,753	88,660	85,586

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 43.—Corn for grain: Season average price and value, by States, crop of 1985, 1986, and 1987**

State	Season average price per bushel			Value of production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	2.30	1.90	1.80	56,063	29,241	32,400
AZ.....	2.83	2.35	2.30	6,240	6,204	4,600
AR.....	2.40	1.72	1.65	18,922	14,586	12,334
CA.....	3.00	2.15	2.25	139,200	81,700	64,125
CO.....	2.37	1.60	1.80	245,425	159,040	192,510
DE.....	2.45	1.77	1.95	46,734	24,828	21,068
FL.....	2.55	1.95	1.85	31,493	19,344	13,986
GA.....	2.39	1.93	2.10	195,741	81,716	107,604
ID.....	2.60	1.95	2.10	26,000	15,210	13,650
IL.....	2.27	1.54	1.75	3,484,387	2,162,160	2,102,100
IN.....	2.20	1.53	1.80	1,664,190	1,063,962	1,137,240
IA.....	2.02	1.41	1.60	3,448,746	2,293,718	2,090,400
KS.....	2.37	1.60	1.80	360,477	290,496	254,880
KY.....	2.37	1.69	1.90	377,114	236,330	225,264
LA.....	2.60	1.75	1.85	60,762	78,155	41,375
MD.....	2.43	1.81	1.95	171,072	76,635	69,966
MI.....	2.14	1.43	1.70	613,431	367,868	314,925
MN.....	2.05	1.46	1.55	1,485,225	1,033,096	984,250
MS.....	2.90	2.00	2.10	22,678	27,000	31,080
MO.....	2.14	1.45	1.65	583,792	407,044	400,868
MT.....	2.80	2.10	2.20	2,926	3,140	3,465
NE.....	2.22	1.52	1.70	2,116,992	1,361,920	1,380,740
NJ.....	2.30	1.70	2.00	28,842	18,918	20,900
NM.....	2.67	1.85	1.90	26,900	15,263	14,431
NY.....	2.45	1.76	1.85	167,580	108,029	102,842
NC.....	2.43	1.78	2.00	311,951	167,035	138,000
ND.....	2.17	1.42	1.65	87,494	69,992	76,725
OH.....	2.21	1.50	1.75	1,131,100	714,240	634,200
OK.....	2.70	1.85	2.05	16,600	9,657	12,284
OR.....	2.68	1.80	2.05	17,688	8,640	8,118
PA.....	2.48	1.83	2.15	376,464	233,728	205,110
SC.....	2.15	1.80	1.75	98,384	38,088	51,188
SD.....	2.07	1.37	1.55	521,640	320,169	353,788
TN.....	2.30	1.65	1.75	182,574	94,017	92,365
TX.....	2.49	1.87	2.05	389,561	278,555	274,188
UT.....	2.80	2.16	2.20	5,152	4,860	6,160
VA.....	2.40	1.70	1.90	130,680	36,720	35,910
WA.....	2.65	1.80	2.00	57,240	36,720	27,200
WV.....	2.23	1.50	1.70	17,093	9,450	6,120
WI.....	2.19	1.46	1.70	785,006	534,068	561,680
WY.....	2.40	1.70	1.85	12,486	9,884	9,651
US.....	2.23	1.50	1.69	19,521,975	12,541,426	12,129,690

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 44.—Corn: Area, yield, and production in specified countries, 1985/86–1987/88<sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North and Central America:</b>									
Canada.....	1,123	994	974	6.21	5.95	7.20	6,970	5,912	7,008
Costa Rica.....	69	75	49	1.83	1.60	1.67	126	120	82
Cuba.....	77	77	77	1.23	1.23	1.23	95	95	95
Dominican Republic.....	40	34	33	1.68	1.38	1.52	67	47	50
El Salvador.....	253	257	258	1.93	1.68	2.22	489	432	573
Guatemala.....	687	610	690	1.58	1.51	1.59	1,088	920	1,100
Haiti.....	100	175	175	1.10	.91	.91	110	160	160
Honduras.....	275	284	416	1.51	1.30	1.20	415	370	500
Jamaica.....	2	2	3	.50	2.00	1.67	1	4	5
Mexico.....	6,200	6,000	6,000	1.69	1.67	1.65	10,500	10,000	9,900
Nicaragua.....	220	245	200	1.06	1.08	1.10	233	264	220
Panama.....	79	90	94	1.22	1.22	1.22	96	110	115
Trinidad and Tobago.....	3	3	3	1.67	1.67	1.67	5	5	5
United States.....	30,442	27,988	23,944	7.41	7.49	7.49	225,479	209,556	179,437
<b>Total.....</b>	<b>39,570</b>	<b>36,834</b>	<b>32,916</b>				<b>245,674</b>	<b>227,995</b>	<b>199,250</b>
<b>South America:</b>									
Argentina.....	3,551	2,900	2,600	3.70	3.19	3.46	12,400	9,250	9,000
Bolivia.....	360	294	315	1.54	1.55	1.30	554	457	410
Brazil.....	12,500	13,500	12,500	1.68	1.96	1.84	21,000	26,500	23,000
Chile.....	105	87	92	1.69	7.01	6.96	650	610	640
Colombia.....	548	592	623	1.43	1.33	1.38	786	788	860
Ecuador.....	140	169	146	2.00	1.60	1.60	280	270	234
Guyana.....	5	5	5	1.00	1.00	1.00	5	5	5
Paraguay.....	350	400	420	1.00	1.33	1.33	350	530	560
Peru.....	370	418	450	1.91	1.91	2.00	708	800	900
Uruguay.....	82	90	90	1.27	1.00	1.00	104	90	90
Venezuela.....	519	650	685	2.31	1.77	1.75	1,198	1,150	1,200
<b>Total.....</b>	<b>18,330</b>	<b>19,105</b>	<b>17,926</b>				<b>38,035</b>	<b>40,450</b>	<b>36,899</b>
<b>Europe:</b>									
Belgium-Luxembourg.....	7	8	7	7.29	6.63	7.14	51	53	50
France.....	1,857	1,869	1,738	6.66	6.14	7.10	12,567	11,470	12,334
Germany, Fed. Rep. of.....	181	187	191	6.65	6.96	6.29	1,204	1,302	1,202
Greece.....	207	201	245	8.80	9.56	9.39	1,822	1,921	2,300
Italy.....	925	843	758	6.89	7.54	7.39	6,357	6,355	5,600
Portugal.....	241	262	266	2.20	2.25	2.33	531	567	620
Spain.....	525	525	526	6.50	6.49	6.78	3,414	3,405	3,564
<b>Total EC.....</b>	<b>3,941</b>	<b>3,885</b>	<b>3,731</b>				<b>25,746</b>	<b>25,073</b>	<b>25,670</b>
Austria.....	208	217	207	8.30	8.02	8.14	1,727	1,740	1,685
Switzerland.....	19	22	22	8.26	7.86	7.64	157	173	168
<b>Total Western Europe.....</b>	<b>3,402</b>	<b>3,347</b>	<b>3,168</b>				<b>23,685</b>	<b>23,014</b>	<b>23,339</b>
Albania.....	90	90	90	4.00	4.00	4.00	360	360	360
Bulgaria.....	435	573	550	3.10	5.07	2.73	1,350	2,904	1,500
Czechoslovakia.....	224	213	210	4.97	4.63	5.24	1,114	987	1,110
German Dem. Rep.....	2	6	7	7.00	4.17	4.29	14	25	30
Hungary.....	1,082	1,118	1,144	6.30	6.29	6.11	8,818	7,029	6,987
Poland.....	16	22	15	4.31	5.14	4.67	69	113	70
Romania.....	3,090	3,200	3,100	3.56	4.69	3.39	11,000	15,000	10,500
Yugoslavia.....	2,400	2,369	2,219	4.12	5.28	3.97	9,896	12,502	8,800
<b>Total Eastern Europe.....</b>	<b>7,339</b>	<b>7,591</b>	<b>7,335</b>				<b>30,621</b>	<b>38,920</b>	<b>29,347</b>
<b>Total Europe.....</b>	<b>11,507</b>	<b>11,715</b>	<b>11,295</b>				<b>58,251</b>	<b>65,906</b>	<b>56,870</b>
<b>Soviet Union (Europe and Asia):</b>									
	4,482	4,223	4,573	3.21	2.96	3.24	14,400	12,479	14,808
<b>Africa:</b>									
Algeria.....	11	2	3	.73	.50	1.67	8	1	5
Angola.....	480	470	480	.53	.53	.48	255	250	230
Benin.....	533	500	435	.80	.80	.70	425	400	305
Botswana.....	23	25	25	.17	.20	.32	4	5	8
Burkina Faso.....	155	170	130	.92	.94	.92	143	160	120
Burundi.....	135	145	150	1.11	1.10	1.03	150	160	155
Cameroon.....	450	475	480	.98	1.00	1.00	441	475	480
Chad.....	15	13	13	2.60	2.31	2.31	39	30	30
Egypt.....	804	825	820	4.60	4.73	5.14	3,699	3,900	4,215
Ethiopia.....	750	700	725	1.67	2.00	1.59	1,250	1,400	1,150
Ghana.....	405	450	400	1.01	1.10	1.06	410	495	425
Ivory Coast.....	625	600	590	.85	.70	.70	530	420	415
Kenya.....	1,790	1,795	1,600	1.54	1.57	1.38	2,750	2,825	2,200
Lesotho.....	60	60	60	1.53	1.43	1.50	92	86	90
Madagascar.....	130	140	135	1.08	1.09	1.00	140	153	135

See footnotes at end of table.

Table 44.—Corn: Area, yield, and production in specified countries, 1985/86–1987/88<sup>1</sup>—  
Continued

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Africa—Continued</b>									
Malawi.....	1,144	1,193	1,182	1.18	1.08	1.04	1,355	1,294	1,225
Mali.....	90	100	87	1.48	1.23	1.55	133	123	135
Morocco.....	401	375	368	.80	.82	.65	321	307	240
Mozambique.....	475	450	425	.56	.56	.47	265	250	200
Nigeria.....	2,000	2,000	2,000	1.00	1.00	.95	2,000	2,000	1,900
Rwanda.....	75	75	75	1.33	1.44	1.49	100	108	112
Senegal.....	111	95	120	1.32	1.14	1.33	147	108	160
Somali, Dem. Rep.....	250	250	230	1.28	1.53	1.41	320	382	325
South Africa.....	4,044	4,014	3,600	2.00	1.78	2.08	8,078	7,150	7,500
Swaziland.....	60	60	60	1.42	1.55	1.22	85	93	73
Tanzania.....	1,718	1,905	1,900	1.22	1.16	1.24	2,093	2,211	2,359
Tunisia.....	1	1	1	1.00	1.00	1.00	1	1	1
Uganda.....	320	325	325	1.41	1.43	1.48	450	465	480
Zambia.....	588	570	520	1.91	2.21	1.83	1,122	1,260	950
Zaire.....	849	866	880	.84	.84	.85	711	730	750
Zimbabwe.....	1,255	900	1,200	2.03	.89	1.33	2,545	800	1,600
<b>Total.....</b>	<b>19,747</b>	<b>19,549</b>	<b>19,019</b>				<b>30,062</b>	<b>28,042</b>	<b>27,973</b>
<b>Asia:</b>									
Afghanistan.....	465	450	450	1.72	1.82	1.78	799	820	800
Bhutan.....	15	15	15	1.00	1.00	1.00	15	15	15
Burma.....	199	204	204	1.50	1.58	1.58	299	383	323
Kampuchea.....	35	35	35	1.14	1.14	1.14	40	40	40
China.....	17,694	19,124	20,210	3.61	3.71	3.76	63,830	70,856	76,000
Taiwan.....	74	79	80	3.66	3.89	3.88	271	307	310
India.....	5,797	5,873	5,300	1.15	1.27	1.04	6,643	7,457	5,500
Indonesia.....	2,440	3,047	2,800	1.77	1.64	1.71	4,330	5,000	4,800
Iran.....	45	45	48	1.11	1.22	1.25	50	55	60
Iraq.....	21	25	25	1.95	1.40	1.40	41	35	35
Israel.....	6	3	10	2.50	2.67	2.50	15	8	25
Japan.....	1	1	1	2.00	2.00	2.00	2	2	2
Jordan.....	1	2	2	1.00	1.00	1.00	1	2	2
Korea, Dem. Peo. Rep. of.....	430	440	440	5.76	6.00	6.00	2,475	2,640	2,640
Korea, Rep. of.....	26	24	26	5.08	4.71	4.88	132	113	127
Lebanon.....	2	2	2	1.00	1.00	1.00	2	2	2
Malaysia.....	15	15	17	1.67	1.73	1.76	25	26	30
Nepal.....	615	627	630	1.42	1.38	1.38	874	868	870
Pakistan.....	805	816	804	1.25	1.36	1.06	1,009	1,111	850
Philippines.....	3,545	3,563	3,750	1.11	1.13	1.15	3,922	4,016	4,300
Saudi Arabia.....	3	20	22	1.67	1.50	1.50	5	30	33
Syria.....	47	50	50	1.68	1.60	2.00	79	80	100
Thailand.....	2,266	1,815	1,754	2.36	2.37	1.56	5,350	4,309	2,736
Turkey.....	570	580	590	3.16	3.97	4.24	1,800	2,300	2,500
Vietnam, Soc. Rep. of.....	400	420	430	1.31	1.31	1.34	525	550	575
Yemen (Sanaa).....	35	35	35	1.29	1.29	1.29	45	45	45
<b>Total.....</b>	<b>35,552</b>	<b>37,310</b>	<b>37,730</b>				<b>92,579</b>	<b>101,010</b>	<b>102,720</b>
<b>Oceania:</b>									
Australia.....	75	60	65	3.04	2.63	2.86	228	158	186
New Zealand.....	22	25	20	9.45	10.16	9.75	208	254	195
<b>Total.....</b>	<b>97</b>	<b>85</b>	<b>85</b>				<b>436</b>	<b>412</b>	<b>381</b>
<b>World total.....</b>	<b>129,657</b>	<b>129,226</b>	<b>123,940</b>				<b>479,797</b>	<b>476,648</b>	<b>439,275</b>

<sup>1</sup> Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1986 and ends early in 1987.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

Table 45.—Corn: Price-support operations, United States, 1973–88

Year beginning October	Support price				Put under support <sup>2</sup>		Acquired by CCC under support pro- gram <sup>3</sup>	Owned by CCC Sep. 30
	Per bushel		Percentage of parity <sup>1</sup>		Quantity	Percent- age of produc- tion		
	Loan	Target	Loan	Target				
	Dollars	Dollars	Percent	Percent	Million bushels	Percent	Million bushels	Million bushels
1973.....	1.05		45		262	4.6		
1974.....	1.10	1.38	40	51	77	1.7		
1975.....	1.10	1.38	35	45	148	2.6		
1976.....	1.50	1.57	43	46	276	4.4		
1977.....	2.00	2.00	58	58	1,159	18.0	12	13
1978.....	2.00	2.10	53	56	641	9.0	81	100
1979.....	2.10	2.20	50	52	557	7.0	160	256
1980.....	* 2.25–2.40	§ 2.35–2.05	48–52	51–44	840	12.6	1	238
1981.....	* 2.40–2.55	2.40	49–52	49	1,978	24.1	172	302
1982.....	* 2.55–2.90	2.70	50–57	53	1,579	18.9	§ 349	§ 1,150
1983.....	2.65	2.86	51	55	162	3.9	9	201
1984.....	2.55	3.03	48	57	1,097	14.3	65	240
1985.....	2.55	3.03	50	60	3,165	35.7	580	546
1986 <sup>7</sup> .....	1.92	3.03	39	61	4,889	59.3	1,363	1,443
1987.....	1.82	3.03	37	61	§ 4,200	59.5	§ 900	§ 1,500
1988 <sup>8</sup> .....	1.77	2.93						

<sup>1</sup> Percentage of parity price as of the beginning of the marketing year. <sup>2</sup> Represents loans made, purchases, and purchase agreements entered into. Percentage of production is on a grain basis. <sup>3</sup> Acquisition through loan forfeitures occurring during crop year. For 1979, acquired through direct purchases by CCC. <sup>4</sup> Smaller value is regular loan; larger value is loan rate for crops in the farmer-owned reserve. <sup>5</sup> Producers who exceed their NCA will be eligible for the Lower Target price. <sup>6</sup> Includes Payment-In-Kind purchases. <sup>7</sup> Beginning September 1, 1986 marketing year begins September 1 and ends August 31. <sup>8</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 46.—Corn: United States exports (domestic), by country of destination, 1985 and 1986

Country of destination	Year <sup>1</sup>		Country of destination	Year <sup>1</sup>	
	1985	1986		1985	1986
	Metric tons	Metric tons		Metric tons	Metric tons
Corn:					
Canada.....	255,726	216,983	Korea, Rep. of.....	1,330,550	4,079,635
Mexico.....	1,639,835	3,251,924	Taiwan.....	2,583,735	3,183,856
Venezuela.....	5,425		Japan.....	9,313,030	12,450,066
Peru.....	246,041	442,944	Other Asia.....	137	1,111,978
Brazil.....	1,061,452	1,162,366	Total Asia.....	13,227,452	20,825,535
Chile.....	12,000	130,180	Egypt.....	1,496,765	2,036,466
Other Americas.....	575,475	917,812	Nigeria.....	3,954	
Total Americas.....	3,795,954	6,122,209	Other Africa.....	732,238	1,265,150
EC.....	529,043	1,143,117	Total Africa.....	2,232,957	3,301,616
Spain.....	1,635,030	436,659	Other countries.....	1,466,812	2,538,000
Portugal.....	882,541	369,577	World total.....	31,136,146	39,349,293
Other Western Europe.....	16,995	58,626	Relief or charity <sup>2</sup> .....	99,626	n.a.
Total W. Europe.....	3,063,609	2,007,979			
E. Germany.....	408,846	356,747			
Poland.....	0	3,257			
Soviet Union.....	6,376,359	3,884,021			
Other E. Europe.....	564,215	309,929			
Total E. Europe and Soviet Union.....	7,349,420	4,553,954			

<sup>1</sup> Year beginning Oct. 1. <sup>2</sup> Included in world total by country of destination. n.a. not available.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 47.—Oats: Area, yield, production, disposition, and value, United States, 1973-87**

Year	Area		Yield per harvested acre	Production	Used on farms where produced	Sold	Season average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Planted <sup>1</sup>	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1973.....	18,605	13,770	47.9	659,136	403,507	255,629	1.18	774,715
1974.....	17,013	12,608	47.6	600,655	389,016	211,639	1.53	912,010
1975.....	16,434	13,038	49.0	638,960	395,164	243,796	1.45	923,568
1976.....	16,620	11,834	45.7	540,441	350,349	190,092	1.56	835,180
1977.....	17,732	13,485	55.8	752,774	457,385	295,389	1.09	823,368
1978.....	16,407	11,126	52.3	581,657	365,615	216,042	1.20	688,625
1979.....	13,960	9,682	54.4	526,748	( <sup>3</sup> )	( <sup>3</sup> )	1.36	713,834
1980.....	13,381	8,657	53.0	458,792	( <sup>3</sup> )	( <sup>3</sup> )	1.79	812,741
1981.....	13,632	9,407	54.2	509,529	( <sup>3</sup> )	( <sup>3</sup> )	1.89	954,474
1982.....	13,951	10,258	57.8	592,630	( <sup>3</sup> )	( <sup>3</sup> )	1.49	883,167
1983.....	20,289	9,072	52.6	476,961	( <sup>3</sup> )	( <sup>3</sup> )	1.67	794,520
1984.....	12,414	8,163	58.0	473,661	( <sup>3</sup> )	( <sup>3</sup> )	1.69	797,854
1985.....	13,255	8,177	63.7	520,800	( <sup>3</sup> )	( <sup>3</sup> )	1.23	644,765
1986.....	14,691	8,860	56.3	386,356	( <sup>3</sup> )	( <sup>3</sup> )	1.21	470,625
1987 <sup>4</sup> .....	17,959	6,925	54.0	373,765	( <sup>3</sup> )	( <sup>3</sup> )	1.56	581,382

<sup>1</sup> Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall.<sup>2</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.<sup>3</sup> Estimates discontinued.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 48.—Oats: Stocks on and off farms, United States, 1973-87**

Year beginning October	On farms				Off farms <sup>2</sup>			
	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1973.....	605,348	472,186	287,063	150,114	198,719	161,692	147,527	103,745
1974.....	497,668	380,064	233,313	119,303	155,720	122,512	89,865	65,307
1975.....	485,856	398,688	247,174	158,541	130,775	94,092	70,101	46,277
1976.....	417,306	337,132	210,649	128,692	112,445	73,477	47,459	35,603
1977.....	564,095	485,267	360,516	259,548	115,459	82,707	61,317	53,556
1978.....	530,881	465,769	317,307	229,267	115,008	81,016	64,291	50,703
1979.....	465,607	400,817	284,280	198,312	102,310	76,007	55,324	38,096
1980.....	395,400	329,395	211,841	148,927	89,342	61,720	44,393	28,027
1981.....	384,681	314,132	199,279	127,119	73,745	51,101	36,172	24,813
1982.....	462,795	378,834	259,043	181,178	95,287	74,462	59,972	38,650
1983.....	426,127	322,352	226,715	151,247	79,090	56,404	43,300	29,815
1984.....	397,368	300,332	211,676	146,450	76,540	57,727	44,676	33,428
1985.....	417,387	311,207	( <sup>3</sup> )	147,181	94,993	68,426	( <sup>3</sup> )	36,534
1986 <sup>4</sup> .....			( <sup>3</sup> )	103,300			( <sup>3</sup> )	29,446
1987 <sup>4</sup> .....			( <sup>3</sup> )	76,800			( <sup>3</sup> )	35,129

<sup>1</sup> Old crop only. Prior to June 1, 1976 (1975 crop year), estimates are for July 1.<sup>2</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.<sup>3</sup> Discontinued.<sup>4</sup> Per program modification estimates available only for June 1.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.



Table 49.—Oats: Supply and disappearance, United States, 1973-87

Year beginning June	Supply				Disappearance						Ending stocks May 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held <sup>1</sup>	Government	Total	
					Feed and residual	Food and seed	Total						
Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	
1973.....	463	659	( <sup>2</sup> )	1,123	669	89	758	57	815	213	95	308	
1974.....	308	601	( <sup>2</sup> )	909	580	86	666	19	685	166	58	224	
1975.....	224	639	1	864	559	86	645	14	659	180	25	205	
1976.....	205	540	1	746	484	88	572	10	582	164	0	164	
1977.....	164	753	2	919	509	85	594	12	606	313	0	313	
1978.....	313	582	1	896	526	77	603	13	616	277	3	280	
1979.....	280	527	1	808	492	76	568	4	572	233	3	236	
1980.....	236	459	1	696	432	74	506	13	519	175	2	177	
1981.....	177	510	2	689	453	77	530	7	537	151	1	152	
1982.....	152	593	4	749	441	85	526	3	529	219	1	220	
1983.....	220	477	30	727	466	78	544	2	546	179	2	181	
1984.....	181	474	34	689	434	74	508	1	509	178	2	180	
1985.....	180	521	28	729	460	83	543	2	545	182	2	184	
1986.....	184	386	33	603	395	73	468	3	471	129	4	133	
1987 <sup>3</sup> .....	133	374	35	542	350	75	425	1	426	113	3	116	

<sup>1</sup> Includes total Government loans (original and resale).<sup>2</sup> Less than 500,000 bushels.<sup>3</sup> Preliminary.

Economic Research Service.

Table 50.—Oats: Price-support operations, United States, 1973-88

Year beginning July <sup>1</sup>	Support price				Put under support <sup>3</sup>		Acquired by CCC under support program <sup>4</sup>	Owned by CCC June 30 <sup>1</sup>
	Per bushel		Percentage of parity <sup>2</sup>		Quantity	Percentage of production		
	Loan	Target	Loan	Target			Million bushels	Percent
	Dollars	Dollars	Percent	Percent	Million bushels	Percent	Million bushels	Million bushels
1973.....	0.54		48		10.4	1.6		<sup>5</sup> 23.9
1974.....	.54		43		3.9	.6		<sup>5</sup> 5.8
1975.....	.54		38		3.9	.6		
1976.....	.72		45		4.6	.8		
1977.....	1.03		59		82.9	11.0		
1978.....	1.03		54		25.1	4.2	1.3	2.7
1979.....	1.08		50		12.0	2.2	.2	2.7
1980.....	<sup>6</sup> 1.16-1.23		50-53		6.3	1.4		2.3
1981.....	<sup>6</sup> 1.24-1.31		47-50		9.7	1.9	.4	.7
1982.....	<sup>6</sup> 1.31-1.49	1.50	47-53		9.2	1.5	.7	.7
1983.....	1.36	1.60	46	54	3.6	.8	.8	1.4
1984.....	1.31	1.60	42	52	<sup>6</sup> 3.2	.7	.1	1.4
1985.....	1.31	1.60	43	53	5.6	1.1	1.1	1.9
1986.....	.99	1.60	35	56	7.8	2.0	1.9	3.5
1987.....	.94	1.60	34	58	<sup>7</sup> 3.0	.8	<sup>7</sup> .6	<sup>7</sup> 3.2
1988 <sup>7</sup> .....	.90	1.55						

<sup>1</sup> Beginning June 1, 1976 (1975 crop year), marketing year begins June 1 and ends May 31.<sup>2</sup> Percentage of the parity price as of the beginning of the marketing year.<sup>3</sup> Includes loans made, purchases, and purchase agreements entered into. Higher figure denotes reserve loan rate.<sup>4</sup> Acquisition through loan forfeitures occurring during crop year.<sup>5</sup> Uncommitted CCC inventory.<sup>6</sup> Smaller value is regular loan; larger value is loan rate for crops in the farmer-owned reserve.<sup>7</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 51.—Oats: Area, yield, and production, by States, 1985-87

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	80	60	45	35	30	25	41.0	40.0	43.0	1,435	1,200	1,075
AR.....	22	43	22	17	33	18	65.0	67.0	70.0	1,105	2,211	1,280
CA.....	340	360	380	45	45	40	67.0	70.0	70.0	3,015	3,150	2,800
CO.....	115	90	100	55	40	50	53.0	55.0	60.0	2,915	2,200	3,000
GA.....	115	60	55	45	35	30	45.0	39.0	55.0	2,025	1,365	1,650
ID.....	70	60	65	40	80	36	53.0	69.0	75.0	2,120	2,070	2,750
IL.....	600	1,400	2,100	160	200	190	78.0	62.0	69.0	12,480	14,400	13,110
IN.....	180	400	600	110	90	95	69.0	71.0	67.0	7,590	6,390	6,365
IA.....	1,600	2,500	4,200	760	630	650	76.0	62.0	55.0	57,760	39,660	35,750
KS.....	235	280	240	188	200	155	56.0	54.0	42.0	10,528	10,800	6,510
KY.....	28	35	27	9	6	7	45.0	42.0	52.0	405	252	364
ME.....	51	47	42	46	40	38	73.0	65.0	75.0	3,358	2,600	2,850
MD.....	17	19	21	15	15	19	60.0	55.0	52.0	900	825	988
MI.....	420	330	350	390	270	300	67.0	63.0	57.0	26,130	17,010	17,100
MN.....	1,550	1,600	2,100	1,100	850	800	70.0	51.0	57.0	77,000	43,350	45,600
MO.....	170	190	180	105	100	90	55.0	50.0	38.0	5,775	5,000	3,420
MT.....	225	200	235	70	90	110	33.0	46.0	55.0	2,310	4,140	6,050
NE.....	550	760	810	420	360	360	61.0	59.0	48.0	25,620	21,240	17,280
NJ.....	6	6	6	5	4	5	63.0	54.0	52.0	315	216	260
NY.....	270	230	250	230	190	200	77.0	68.0	60.0	17,710	12,920	12,000
NC.....	105	100	105	62	55	60	42.0	40.0	59.0	2,604	2,200	3,540
ND.....	1,175	1,050	1,050	840	700	700	53.0	55.0	52.0	44,520	38,500	36,400
OH.....	340	260	350	310	160	250	85.0	76.0	70.0	26,350	12,160	17,500
OK.....	155	200	160	65	100	60	43.0	44.0	38.0	2,795	4,400	2,200
OR.....	140	120	90	100	80	65	92.0	95.0	80.0	9,200	7,600	5,280
PA.....	320	290	290	300	260	260	70.0	62.0	57.0	21,000	16,120	14,820
SC.....	70	55	60	42	28	33	38.0	36.0	51.0	1,596	1,008	1,683
SD.....	1,900	1,500	1,400	1,420	1,050	1,150	56.0	44.0	46.0	79,520	46,200	52,900
TX.....	1,200	1,000	1,000	300	200	220	50.0	42.0	45.0	15,000	8,400	9,900
UT.....	26	27	28	13	12	14	71.0	72.0	69.0	923	864	966
VA.....	50	40	35	14	10	7	47.0	46.0	47.0	658	460	329
WA.....	70	70	75	33	33	35	65.0	65.0	66.0	2,145	2,145	2,310
WV.....	14	17	13	8	10	8	61.0	50.0	50.0	488	500	400
WI.....	950	1,200	1,300	780	850	800	66.0	62.0	54.0	51,480	52,700	43,200
WY.....	96	92	75	45	54	45	45.0	50.0	49.0	2,025	2,700	2,205
US.....	13,255	14,691	17,959	8,177	6,860	6,925	63.7	56.3	54.0	520,800	386,356	373,765

<sup>1</sup> Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 52.—Oats and oatmeal: United States exports, by country of destination, 1985 and 1986 <sup>1</sup>

Country of destination	Year <sup>1</sup>		Country of destination	Year <sup>1</sup>	
	1985	1986		1985	1986
	Metric tons	Metric tons		Metric tons	Metric tons
Oats:			Oatmeal: <sup>3</sup>		
Mexico.....	10,033	9,652	Mexico.....	1,817	54
Nicaragua.....	0	0	Central America.....	2,479	2,559
Panama.....	813	798	Peru.....	8	9
Colombia.....	6,492	7,286	Ecuador.....	7,495	1,019
Venezuela.....	0	0	Bolivia.....	405	634
E. Europe, Soviet Union, and Poland.....	0	0	Other Americas.....	891	570
Other countries.....	3,391	19,455	Other countries.....	671	128
World total <sup>2</sup> .....	20,729	37,191	World total.....	13,767	4,973

<sup>1</sup> Year beginning Oct. 1.<sup>2</sup> Transshipments through Canada have been included in data for countries of ultimate destination.<sup>3</sup> In grain equivalent.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 53.—Oats: Season average price and value, by States, crop of 1985, 1986, and 1987

State	Season average price per bushel			Value of production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	1.55	1.15	1.30	2,224	1,380	1,998
AR.....	2.30	.96	1.65	2,542	2,123	2,079
CA.....	1.69	1.53	1.80	5,095	4,820	5,040
CO.....	1.60	1.40	1.45	4,664	3,080	4,350
GA.....	1.55	1.25	1.60	3,139	1,706	2,640
ID.....	1.50	1.30	1.45	3,180	2,691	3,915
IL.....	1.50	1.29	1.50	18,720	18,576	19,665
IN.....	1.47	1.11	1.35	11,157	7,093	8,593
IA.....	1.27	1.17	1.60	73,355	45,700	57,200
KS.....	1.40	.95	1.40	14,739	10,260	9,114
KY.....	1.95	1.30	1.80	790	328	655
ME.....	.85	.80	1.05	2,854	2,080	2,993
MD.....	1.36	1.07	1.20	1,224	883	1,186
MI.....	1.17	1.19	1.55	30,572	20,242	26,505
MN.....	1.17	1.28	1.45	90,090	55,488	66,120
MO.....	1.33	1.05	1.55	7,681	5,250	5,301
MT.....	1.50	1.37	1.45	3,465	5,672	8,773
NE.....	1.17	1.13	1.60	29,975	24,001	27,648
NJ.....	1.60	1.55	1.55	504	335	403
NY.....	1.09	1.15	1.50	19,304	14,858	18,000
NC.....	1.70	1.30	1.40	4,427	2,860	4,956
ND.....	1.05	1.20	1.55	46,746	46,200	56,420
OH.....	1.16	1.15	1.50	30,566	13,984	26,250
OK.....	1.75	1.40	1.70	4,891	6,160	3,876
OR.....	1.35	1.35	1.70	12,420	10,260	8,840
PA.....	1.26	1.37	1.95	26,460	22,084	28,899
SC.....	1.60	1.35	1.40	2,554	1,361	2,356
SD.....	1.07	1.22	1.65	85,086	59,136	87,285
TX.....	1.97	1.65	1.95	29,550	13,860	19,305
UT.....	1.65	1.55	1.70	1,523	1,339	1,642
VA.....	1.50	1.65	1.35	987	759	444
WA.....	1.50	1.10	1.30	3,218	2,360	3,003
WV.....	1.20	1.00	1.45	586	500	580
WI.....	1.31	1.13	1.45	67,439	59,551	62,640
WY.....	1.50	1.35	1.50	3,038	3,645	3,308
US.....	1.23	1.21	1.56	644,765	470,625	581,382

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 54

<sup>1</sup> Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1986 and ends early in 1987.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 54.—Oats: Area, yield, and production in specified countries, 1985/86–1987/88<sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Canada.....	1,263	1,287	1,263	2.17	2.53	2.57	2,736	3,251	2,995
Mexico.....	90	100	100	.94	1.00	1.00	85	100	100
United States.....	3,309	2,776	2,802	2.28	2.02	1.94	7,559	5,608	5,425
<b>Total.....</b>	<b>4,662</b>	<b>4,163</b>	<b>4,165</b>				<b>10,380</b>	<b>8,959</b>	<b>8,520</b>
<b>South America:</b>									
Argentina.....	400	400	500	1.00	1.00	1.30	400	400	650
Brazil.....	142	130	147	1.11	1.03	1.23	157	134	181
Chile.....	64	55	63	1.94	2.31	2.00	124	127	126
Colombia.....	2	2	3	2.00	1.50	1.33	4	3	4
Ecuador.....	1	1	1	1.00	1.00	1.00	1	1	1
Uruguay.....	33	42	80	.61	.64	.63	20	27	50
<b>Total.....</b>	<b>642</b>	<b>630</b>	<b>794</b>				<b>706</b>	<b>692</b>	<b>1,012</b>
<b>Europe:</b>									
Belgium-Luxembourg.....	29	21	22	4.34	3.86	3.82	126	81	84
Denmark.....	37	27	23	4.11	4.11	4.04	152	111	93
France.....	425	308	281	4.24	3.27	3.72	1,803	1,007	1,045
Germany, Fed. Rep. of.....	697	605	564	4.70	4.44	4.29	3,278	2,687	2,420
Greece.....	42	42	40	1.48	1.88	1.55	62	79	62
Ireland.....	23	21	20	4.35	4.48	5.30	100	94	106
Italy.....	182	182	176	1.99	2.16	2.05	363	394	360
Netherlands.....	11	7	9	5.27	5.71	5.22	58	40	47
Portugal.....	190	194	197	.63	.71	.81	119	137	159
Spain.....	465	384	349	1.55	1.10	1.44	719	422	502
United Kingdom.....	133	95	99	4.62	5.32	4.44	615	505	440
<b>Total EC.....</b>	<b>2,234</b>	<b>1,886</b>	<b>1,780</b>				<b>7,395</b>	<b>5,557</b>	<b>5,318</b>
Austria.....	75	73	69	3.31	3.70	3.57	248	270	246
Finland.....	411	403	368	2.96	2.92	1.96	1,218	1,175	725
Norway.....	129	131	130	3.84	3.44	4.23	495	450	550
Sweden.....	445	456	397	3.75	3.26	3.63	1,668	1,486	1,440
Switzerland.....	10	7	7	5.20	4.29	5.43	52	30	38
<b>Total Western Europe.....</b>	<b>2,649</b>	<b>2,378</b>	<b>2,205</b>				<b>10,238</b>	<b>8,409</b>	<b>7,654</b>
Albania.....	20	20	20	1.50	1.50	1.50	30	30	30
Bulgaria.....	29	25	25	1.41	1.40	1.20	41	35	30
Czechoslovakia.....	126	116	120	3.75	3.59	3.33	473	416	400
German Dem. Rep.....	178	165	158	4.19	4.09	4.18	746	666	660
Hungary.....	44	42	40	3.00	2.88	3.00	132	121	120
Poland.....	994	924	856	2.70	2.70	2.87	2,682	2,496	2,460
Romania.....	72	70	70	1.42	2.14	1.43	102	150	100
Yugoslavia.....	151	152	139	1.67	1.71	1.67	252	260	232
<b>Total Eastern Europe.....</b>	<b>1,614</b>	<b>1,512</b>	<b>1,428</b>				<b>4,458</b>	<b>4,174</b>	<b>4,032</b>
<b>Total Europe.....</b>	<b>4,918</b>	<b>4,468</b>	<b>4,179</b>				<b>15,534</b>	<b>13,142</b>	<b>12,347</b>
<b>Soviet Union (Europe and Asia).....</b>	<b>12,604</b>	<b>13,173</b>	<b>11,790</b>	<b>1.63</b>	<b>1.66</b>	<b>1.57</b>	<b>20,500</b>	<b>21,929</b>	<b>18,495</b>
<b>Africa:</b>									
Algeria.....	180	137	150	.67	.65	.50	120	89	75
Morocco.....	55	55	55	.95	.98	.91	52	54	50
South Africa.....	460	460	450	.19	.19	.13	86	86	60
<b>Total.....</b>	<b>695</b>	<b>652</b>	<b>655</b>				<b>258</b>	<b>229</b>	<b>185</b>
<b>Asia:</b>									
China.....	591	574	560	1.12	1.17	1.20	664	670	670
Japan.....	3	3	3	3.33	2.00	2.00	10	6	6
Turkey.....	167	158	157	1.88	1.90	1.91	314	300	300
<b>Total.....</b>	<b>761</b>	<b>735</b>	<b>720</b>				<b>988</b>	<b>976</b>	<b>976</b>
<b>Oceania:</b>									
Australia.....	1,068	1,145	1,369	1.25	1.36	1.36	1,330	1,560	1,859
New Zealand.....	10	16	19	4.40	3.69	3.68	44	59	70
<b>Total.....</b>	<b>1,078</b>	<b>1,161</b>	<b>1,388</b>				<b>1,374</b>	<b>1,619</b>	<b>1,929</b>
<b>World total.....</b>	<b>25,360</b>	<b>24,982</b>	<b>23,691</b>				<b>49,740</b>	<b>47,546</b>	<b>43,464</b>

See footnotes on page 41.

Table 55.—Barley: Area, yield, production, disposition, and value, United States, 1973-87

Year	Area		Yield per harvested acre	Production	Used on farms where produced	Sold	Season average price per bushel received by farmers <sup>2</sup>	Value of production <sup>2</sup>
	Planted <sup>1</sup>	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1973.....	11,045	10,295	40.5	417,434	109,068	308,366	2.14	881,569
1974.....	8,713	7,930	37.7	298,669	81,564	217,105	2.81	821,639
1975.....	9,373	8,617	44.0	379,162	101,667	277,495	2.42	905,923
1976.....	9,301	8,439	45.4	383,007	101,454	281,553	2.25	852,256
1977.....	10,778	9,728	44.0	427,784	115,948	311,836	1.78	760,043
1978.....	9,989	9,248	49.2	454,759	120,321	334,438	1.92	871,070
1979.....	8,116	7,527	50.9	383,201	( <sup>3</sup> )	( <sup>3</sup> )	2.29	872,308
1980.....	8,320	7,260	49.7	361,135	( <sup>3</sup> )	( <sup>3</sup> )	2.84	1,016,842
1981.....	9,618	9,038	52.4	473,512	( <sup>3</sup> )	( <sup>3</sup> )	2.44	1,154,497
1982.....	9,549	9,013	57.2	515,935	( <sup>3</sup> )	( <sup>3</sup> )	2.22	1,143,209
1983.....	10,422	9,731	52.3	508,925	( <sup>3</sup> )	( <sup>3</sup> )	2.50	1,268,906
1984.....	11,957	11,231	53.4	599,204	( <sup>3</sup> )	( <sup>3</sup> )	2.26	1,356,316
1985.....	13,156	11,603	51.0	591,383	( <sup>3</sup> )	( <sup>3</sup> )	1.98	1,132,537
1986.....	13,059	12,007	50.8	610,522	( <sup>3</sup> )	( <sup>3</sup> )	1.61	993,905
1987 <sup>4</sup> .....	11,046	10,027	52.6	527,010	( <sup>3</sup> )	( <sup>3</sup> )	1.86	935,163

<sup>1</sup> Barley sown for all purposes, including barley sown in the preceding fall.

<sup>2</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

<sup>3</sup> Estimates discontinued.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 56.—Barley: Stocks on and off farms, United States, 1973-87

Year beginning October	On farms				Off farms <sup>2</sup>			
	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1	Jan. 1	Apr. 1	June 1 <sup>1</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1973.....	283,472	206,423	121,011	54,961	137,576	113,558	93,823	63,926
1974.....	176,641	125,032	62,975	29,582	126,165	102,728	71,227	45,642
1975.....	214,939	161,797	98,652	63,693	126,963	113,508	86,360	64,666
1976.....	213,370	157,605	92,152	52,959	152,354	117,511	97,316	73,448
1977.....	270,105	221,954	150,128	105,682	139,334	110,266	89,043	67,377
1978.....	342,521	277,020	198,700	149,428	129,612	114,165	97,753	78,615
1979.....	311,704	246,489	166,089	112,430	150,319	119,210	96,271	79,701
1980.....	249,915	185,787	113,503	74,489	142,735	117,842	89,994	62,836
1981.....	298,703	227,437	144,947	92,110	148,001	101,895	79,394	55,687
1982.....	348,598	289,864	195,732	136,771	147,507	124,225	98,198	79,926
1983.....	343,884	244,915	169,362	117,024	171,630	122,682	99,563	72,395
1984.....	402,124	307,300	216,721	163,361	171,479	129,623	103,147	84,033
1985.....	462,169	365,571	( <sup>3</sup> )	199,288	193,302	165,360	( <sup>3</sup> )	125,554
1986.....			( <sup>3</sup> )	193,945			( <sup>3</sup> )	141,673
1987 <sup>4</sup> <sup>5</sup> .....			( <sup>3</sup> )	193,103			( <sup>3</sup> )	128,107

<sup>1</sup> Old crop only. Prior to June 1, 1976 (1975 crop year), estimates are for July.

<sup>2</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.

<sup>3</sup> Estimates discontinued.

<sup>4</sup> Preliminary.

<sup>5</sup> Per program modification estimates available only for June 1.

National Agricultural Statistics Service.

Table 57.—Barley: Supply and disappearance, United States, 1973–87

Year beginning June	Supply				Disappearance					Ending stocks May 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Private-ly held <sup>1</sup>	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1973.....	192	417	9	618	236	143	379	93	472	146	0	146
1974.....	146	299	20	465	184	147	331	42	373	92	0	92
1975.....	92	379	16	487	188	147	335	24	359	128	0	128
1976.....	128	383	11	522	174	156	330	66	396	126	0	126
1977.....	126	428	9	563	178	155	333	57	390	173	0	173
1978.....	173	455	11	639	217	167	384	26	410	226	2	228
1979.....	228	383	12	623	204	172	376	55	431	189	3	192
1980.....	192	361	10	563	174	175	349	77	426	134	3	137
1981.....	137	474	10	621	198	175	373	100	473	145	3	148
1982.....	148	516	11	675	240	171	411	47	458	211	6	217
1983.....	217	509	7	733	283	169	452	92	544	177	12	189
1984.....	189	599	10	798	304	170	474	77	551	232	15	247
1985.....	247	591	9	847	333	167	500	22	522	268	57	325
1986.....	325	611	7	942	296	174	470	137	606	260	76	336
1987 <sup>2</sup> .....	336	527	15	878	275	175	450	130	580	248	50	298

<sup>1</sup> Includes Government loans (original and resale).<sup>2</sup> Preliminary.

Economic Research Service.

Table 58.—Barley: Area, yield, and production, by States, 1985-87

State	Area planted <sup>1</sup>			Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AZ .....	67	32	25	62	29	22	97.0	100.0	99.0	6,014	2,900	2,178
CA .....	500	470	400	420	400	300	59.0	59.0	51.0	24,780	23,600	15,300
CO .....	360	390	290	340	350	220	64.0	60.0	66.0	21,760	21,000	14,520
DE .....	63	55	55	57	50	52	58.0	61.0	62.0	3,306	3,050	3,224
ID .....	1,280	1,140	840	1,240	1,110	820	58.0	65.0	75.0	71,320	72,150	61,500
KS .....	240	350	140	220	290	120	44.0	36.0	40.0	9,680	10,440	4,800
KY .....	32	25	15	26	17	11	35.0	31.0	67.0	910	527	737
MD .....	103	90	100	96	82	89	57.0	60.0	67.0	5,472	4,920	5,963
MI .....	39	60	55	38	55	50	68.0	59.0	55.0	2,584	3,245	2,750
MIN .....	1,200	1,200	1,200	1,075	1,000	870	66.0	55.0	57.0	70,950	55,000	49,590
MT .....	2,350	2,400	2,300	1,500	2,180	2,100	20.0	39.0	45.0	30,000	85,020	94,500
NE .....	145	150	90	120	135	75	32.0	41.0	36.0	3,840	5,400	2,700
NV .....	40	36	36	37	33	33	80.0	90.0	90.0	2,960	2,970	2,970
NJ .....	21	29	20	17	20	15	63.0	62.0	60.0	1,071	1,240	900
NM .....	18	22	15	15	16	11	70.0	65.0	70.0	1,050	1,040	770
NC .....	78	53	46	66	45	40	40.0	36.0	62.0	2,640	1,620	2,480
ND .....	3,500	3,600	3,000	3,350	3,450	2,900	55.0	51.0	48.0	184,250	175,950	139,200
OK .....	70	50	35	50	35	25	38.0	36.0	30.0	1,900	1,260	750
OR .....	360	375	250	350	365	220	55.0	57.0	70.0	19,250	20,805	15,400
PA .....	75	70	65	70	65	60	62.0	60.0	57.0	4,340	3,900	3,420
SC .....	36	24	15	32	21	13	38.0	28.0	49.0	1,216	588	637
SD .....	780	930	870	720	855	850	45.0	42.0	40.0	32,400	35,910	34,000
TX .....	70	70	65	50	35	30	45.0	50.0	40.0	2,250	1,750	1,200
UT .....	172	165	152	159	152	142	74.0	76.0	83.0	11,766	11,552	11,786
VA .....	130	90	100	100	72	78	48.0	55.0	66.0	4,800	3,960	5,148
WA .....	1,200	920	660	1,180	900	645	48.0	50.0	55.0	56,640	45,000	35,475
WI .....	57	95	110	53	85	88	58.0	57.0	54.0	3,074	4,845	4,752
WY .....	170	168	157	160	160	148	66.0	67.0	70.0	10,560	10,880	10,360
US .....	13,156	13,059	11,046	11,603	12,007	10,027	51.0	50.8	52.6	591,383	610,522	527,010

<sup>1</sup> Relates to the total area of barley sown for all purposes, including barley sown in the preceding fall.  
<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 60

- <sup>1</sup> Beginning June 1, 1976 (1975 crop year), marketing year begins June 1 and ends May 31.
  - <sup>2</sup> Percentage of parity price as of the beginning of the marketing year.
  - <sup>3</sup> Represents loans made, purchases, and purchase agreements entered into.
  - <sup>4</sup> Acquisition through loan forfeitures occurring during crop year.
  - <sup>5</sup> Uncommitted CCC inventory.
  - <sup>6</sup> Smaller value is regular loan; larger value is loan rate for crops in the farmers-owned reserves.
  - <sup>7</sup> Producers who exceed their NCA will be eligible for the lower target price.
  - <sup>8</sup> Preliminary.
- Agricultural Stabilization and Conservation Service.

**Table 59.—Barley: Season average price and value, by States, crop of 1985, 1986, and 1987**

State	Season average price per bushel			Value of production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AZ.....	2.82	2.47	2.20	16,959	7,163	4,792
CA.....	2.42	2.06	2.10	59,968	48,616	32,130
CO.....	2.60	2.15	2.50	56,576	45,150	36,300
DE.....	1.45	1.35	1.15	4,794	4,118	3,708
ID.....	2.34	2.08	2.15	168,293	150,072	132,225
KS.....	1.75	1.20	1.40	16,940	12,528	6,720
KY.....	1.65	1.35	1.20	1,502	711	884
MD.....	1.51	1.35	1.20	8,263	6,642	7,156
MI.....	2.05	1.60	1.80	5,297	5,192	4,950
MN.....	1.69	1.47	1.50	119,906	80,850	74,385
MT.....	2.03	1.60	2.00	60,900	136,032	189,000
NE.....	1.65	1.20	1.25	6,336	6,480	3,375
NV.....	2.15	1.85	1.95	6,364	5,495	5,792
NJ.....	1.40	1.20	1.10	1,499	1,488	990
NM.....	2.24	2.05	1.60	2,352	2,132	1,232
NC.....	1.60	1.50	1.70	4,224	2,430	4,216
ND.....	1.60	1.37	1.50	294,800	241,052	208,800
OK.....	2.15	1.70	1.50	4,085	2,142	1,125
OR.....	2.00	1.70	1.90	38,500	35,369	29,260
PA.....	1.60	1.35	1.30	6,944	5,265	4,446
SC.....	1.85	1.80	1.60	2,250	1,058	1,019
SD.....	1.75	1.38	1.40	56,700	49,556	47,600
TX.....	2.17	1.86	1.65	4,883	3,255	1,980
UT.....	2.28	1.85	1.80	26,826	21,371	21,215
VA.....	1.70	1.50	1.45	8,160	5,940	7,465
WA.....	1.95	1.67	1.85	110,448	75,150	65,629
WI.....	1.55	1.24	1.40	4,765	6,008	6,653
WY.....	3.22	3.00	3.10	34,003	32,640	32,116
US.....	1.98	1.61	1.86	1,132,537	993,905	835,163

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 60.—Barley: Price-support operations, United States, 1973-88**

Year beginning July <sup>1</sup>	Support price				Put under support <sup>3</sup>			Owned by CCC June 30 <sup>1</sup>
	Per bushel		Percentage of parity <sup>2</sup>		Quantity	Percentage of production	Acquired by CCC under support program <sup>4</sup>	
	Loan	Target	Loan	Target				
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1973.....	0.86		48		15.3	3.6		<sup>5</sup> 0.4
1974.....	.90	1.13	43	54	6.9	2.3		
1975.....	.90	1.13	36	45	9.2	2.5		
1976.....	1.22	1.28	44	46	19.2	5.2		
1977.....	1.63	2.15	54	71	86.7	20.6		
1978.....	1.63	2.25	50	69	67.6	15.1	2.5	2.5
1979.....	1.71	2.40	44	61	30.0	7.9	.8	3.2
1980.....	<sup>6</sup> 1.83-1.95	<sup>7</sup> 2.55-2.29	45-48	62-56	<sup>7</sup> 31.2	8.6	.1	3.4
1981.....	<sup>6</sup> 1.95-2.07	2.60	43-46	57	60.5	<sup>7</sup> 12.6	3.7	3.3
1982.....	<sup>6</sup> 2.08-2.37	2.60	44-50	55	92.6	17.9	4.4	6.0
1983.....	2.16	2.60	44	53	32.4	6.4	5.6	11.3
1984.....	2.08	2.60	42	52	56.9	9.5	3.4	14.6
1985.....	2.08	2.60	44	54	159.2	26.9	47.8	57.4
1986.....	1.56	2.60	35	58	164.6	27.0	60.7	75.5
1987.....	1.49	2.60	34	59	<sup>8</sup> 125.0	23.7	<sup>8</sup> 25.0	<sup>8</sup> 50.0
1988 <sup>8</sup> .....	1.44	2.51						

See footnotes on page 45.



Table 61.—Barley and malt: United States exports, by country of destination, 1985 and 1986 <sup>1</sup>

Country of destination	Year <sup>1</sup>		Country of destination	Year <sup>1</sup>	
	1985	1986		1985	1986
	Metric tons	Metric tons		Metric tons	Metric tons
Barley: <sup>2</sup>			Malt: <sup>4</sup>		
Mexico.....	6,170	1,140	Canada.....	383	224
Germany, Fed. Rep. of.....		0	Mexico.....		0
Italy.....		0	Costa Rica.....	76	6
Netherlands.....		0	Dominican Republic.....	8,560	3,708
Belgium-Luxembourg.....		0	Jamaica.....	5,158	704
Other Europe.....		111,368	Guyana.....		0
Japan.....	121,239	0	Peru.....		0
Other countries.....	628,955	2,833,189	Venezuela.....	128	1
World total <sup>3</sup> .....	756,364	2,945,697	Other Americas.....	682	750
			Japan.....	3,635	17,877
			Other countries.....	38,238	44,189
			World total.....	56,860	67,459

<sup>1</sup> Year beginning Oct. 1.

<sup>2</sup> U.S. Barley and U.S. Barley, N.S.P.F.

<sup>3</sup> Transshipments through Canada have not been included in data for countries of ultimate destination.

<sup>4</sup> In grain equivalent.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 62.—Barley: Area, yield, and production in specified countries, 1985/86-1987/88 <sup>1</sup>

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada.....	4,773	4,829	5,046	2.61	3.03	2.85	12,443	14,634	14,382
Mexico.....	250	260	300	1.68	1.85	1.70	420	480	510
United States.....	4,696	4,859	4,058	2.74	2.74	2.83	12,876	13,293	11,474
Total.....	9,719	9,948	9,404				25,739	28,407	26,366
South America:									
Argentina.....	137	94	130	.95	1.49	1.69	130	140	220
Bolivia.....	95	95	90	.79	.82	.78	75	78	70
Brazil.....	110	102	103	1.50	1.81	1.87	165	185	193
Chile.....	23	16	20	2.96	3.00	3.00	68	48	60
Colombia.....	29	37	47	2.00	1.97	1.96	58	73	92
Ecuador.....	29	32	28	.93	1.28	1.07	27	41	30
Peru.....	96	99	105	1.14	1.15	1.14	109	114	120
Uruguay.....	90	50	45	1.56	1.24	1.24	140	62	56
Total.....	609	525	568				772	741	841
Europe:									
Belgium-Luxembourg.....	135	147	140	5.53	5.98	5.39	746	879	755
Denmark.....	1,104	1,078	957	4.76	4.76	4.55	5,251	5,134	4,355
France.....	2,248	2,075	1,969	5.10	4.80	5.27	11,470	9,950	10,385
Germany, Fed. Rep. of.....	1,949	1,947	1,838	4.97	4.82	4.63	9,690	9,377	8,514
Greece.....	326	284	267	1.90	2.60	2.34	619	739	626
Ireland.....	298	283	276	4.73	4.66	5.07	1,410	1,320	1,400
Italy.....	468	434	445	3.48	3.33	3.84	1,630	1,447	1,708
Netherlands.....	39	42	50	5.05	6.24	5.24	197	262	262
Portugal.....	86	84	88	.76	1.00	1.03	65	84	91
Spain.....	4,155	4,334	4,352	2.40	1.69	2.21	9,980	7,331	9,602
United Kingdom.....	1,965	1,917	1,830	4.90	5.22	4.99	9,740	10,015	9,130
Total EC.....	12,773	12,625	12,212				50,798	46,538	46,828
Austria.....	334	332	292	4.56	3.89	4.04	1,522	1,293	1,179
Finland.....	646	589	583	2.87	2.91	1.87	1,854	1,714	1,089
Malta.....	1	1	1	2.00	2.00	2.00	2	2	2
Norway.....	171	172	172	3.53	3.20	3.14	604	550	540
Sweden.....	667	638	545	3.46	3.65	3.50	2,309	2,327	1,907
Switzerland.....	51	54	52	5.29	4.26	4.81	270	230	250
Total Western Europe.....	10,402	9,893	9,417				47,314	45,239	42,102

See footnotes at end of table.

Table 62.—Barley: Area, yield, and production in specified countries, 1985/86-1987/88 <sup>1</sup>—Continued

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Europe—Continued									
Albania.....	13	13	13	2.31	2.31	2.31	30	30	30
Bulgaria.....	260	318	300	3.09	3.58	3.33	802	1,137	1,000
Czechoslovakia.....	788	821	820	4.49	4.28	4.32	3,540	3,514	3,540
German Dem. Rep.....	882	895	870	4.94	4.80	4.71	4,360	4,293	4,100
Hungary.....	279	254	205	3.72	3.32	3.81	1,039	844	781
Poland.....	1,242	1,335	1,286	3.29	3.30	3.37	4,086	4,412	4,340
Romania.....	680	575	560	2.72	3.39	3.21	1,850	1,950	1,800
Yugoslavia.....	264	267	213	2.67	2.63	2.37	704	703	504
Total Eastern Europe.....	4,408	4,478	4,267				16,411	16,883	16,095
Total Europe.....	19,051	18,789	18,124				73,770	69,537	67,890
Soviet Union (Europe and Asia).....	29,058	29,964	30,654	1.60	1.80	1.91	46,500	53,889	58,409
Africa:									
Algeria.....	1,200	1,212	1,300	1.08	.89	.69	1,300	1,083	900
Egypt.....	57	55	55	3.16	3.18	3.18	180	175	175
Ethiopia.....	900	850	850	1.00	1.18	1.06	900	1,000	900
Kenya.....	85	85	85	1.00	1.06	1.00	85	90	85
Libya.....	280	290	300	.27	.31	.33	75	90	100
Morocco.....	2,383	2,472	2,314	.93	1.20	.67	2,225	2,966	1,543
South Africa.....	101	91	100	2.54	2.19	2.70	256	199	270
Tunisia.....	821	241	639	.84	.55	.84	686	132	537
Zimbabwe.....	5	5	5	6.60	6.00	6.00	33	30	30
Total.....	5,832	5,301	5,648				5,740	5,765	4,540
Asia:									
Afghanistan.....	350	320	325	.95	1.00	1.00	333	320	325
Bangladesh.....	15	15	15	.67	.67	.67	10	10	10
Bhutan.....	10	10	10	1.00	1.00	1.00	10	10	10
China.....	3,452	3,357	3,500	1.81	1.82	1.80	6,245	6,100	6,300
Cyprus.....	45	38	43	1.78	1.55	1.77	80	59	76
India.....	1,253	1,369	1,282	1.24	1.43	1.35	1,556	1,962	1,728
Iran.....	1,400	1,400	1,500	.86	1.00	1.33	1,200	1,400	2,000
Iraq.....	1,357	1,100	800	.98	.95	.93	1,331	1,046	743
Israel.....	17	17	15	.29	.65	1.40	5	11	21
Japan.....	113	107	111	3.35	3.21	3.18	378	344	353
Jordan.....	40	18	63	.50	.83	.54	20	15	34
Korea, Rep. of.....	237	190	206	2.41	2.38	2.50	571	453	516
Lebanon.....	4	4	4	1.25	1.25	1.25	5	5	5
Nepal.....	29	29	29	.79	.86	.86	23	25	25
Pakistan.....	190	193	182	.70	.78	.74	132	150	134
Saudi Arabia.....	7	7	40	1.71	1.71	2.00	12	12	80
Syria.....	1,386	1,535	1,200	.53	.78	.38	740	1,200	450
Turkey.....	3,100	3,200	3,200	1.87	1.97	1.88	5,800	6,300	6,000
Yemen, Arab Rep. (Sanaa).....	52	52	52	1.02	1.04	1.04	53	54	54
Total.....	13,057	12,961	12,577				18,504	19,467	18,864
Oceania:									
Australia.....	3,301	2,315	2,408	1.49	1.55	1.37	4,913	3,586	3,295
New Zealand.....	166	139	98	4.65	4.00	4.10	771	556	402
Total.....	3,467	2,454	2,506				5,684	4,142	3,697
World total.....	80,793	79,942	79,481				176,709	181,948	180,607

<sup>1</sup> Years shown refer to year of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates of the Southern Hemisphere harvests, which begin late in 1986 and end early in 1987.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 63.—Grains and grain products: Total and per capita civilian consumption as food, United States, 1973–87

Calendar year	Wheat			Rye		Rice (milled)		Corn						Oats		Barley	
	Total consumed <sup>1</sup>	Per capita consumption of food products		Total consumed <sup>1</sup>	Per capita consumption of rye flour	Total consumed <sup>1</sup>	Per capita consumption	Total consumed <sup>3</sup>	Per capita consumption of food products					Total consumed <sup>4</sup>	Per capita consumption of oat food products	Total consumed <sup>5</sup>	Per capita consumption of food products <sup>6</sup>
		Flour <sup>2</sup>	Cereal						Meal	Cereal	Syrup	Sugar	Starch				
1973.....	542	113	2.5	6.0	1.6	14.5	7.0	279	5.9	2.5	23.5	5.2	2.0	46	3.2	8	1.2
1974.....	542	111	2.6	5.9	1.5	15.9	7.5	295	5.8	2.5	25.6	5.3	2.1	47	3.2	8	1.2
1975.....	566	114	2.8	4.7	1.2	16.1	7.6	321	6.0	2.6	28.8	5.4	2.1	47	3.2	8	1.2
1976.....	593	119	3.0	3.9	1.0	15.3	7.1	333	5.8	2.6	31.9	5.4	2.2	47	3.2	8	1.2
1977.....	580	115	3.1	3.6	.9	16.2	7.5	355	5.7	2.7	35.3	4.5	2.3	47	3.2	8	1.1
1978.....	583	115	3.1	3.7	.9	12.5	5.7	398	5.9	2.8	39.2	4.1	2.5	47	3.2	8	1.1
1979.....	601	117	3.1	3.5	.9	20.8	9.4	527	6.2	2.9	43.3	3.9	2.7	47	3.1	8	1.1
1980.....	604	117	3.1	3.5	.9	21.1	9.4	591	6.3	3.0	48.9	3.8	2.4	47	3.1	7	1.0
1981.....	608	116	3.1	3.5	.9	24.9	11.0	659	6.2	3.0	55.0	3.8	2.2	42	3.1	7	1.0
1982.....	609	117	3.1	3.3	.8	27.1	11.8	731	6.6	3.0	60.0	3.8	2.0	41	3.1	7	1.0
1983.....	619	118	3.1	3.5	.8	22.6	9.8	787	6.6	3.1	65.6	3.8	2.0	41	3.1	7	.9
1984.....	644	118	3.1	3.5	.8	20.1	8.6	839	6.3	3.0	69.0	3.8	2.1	41	3.1	7	.9
1985.....	653	123	3.1	3.2	.7	21.9	9.3	879	6.2	2.9	74.4	3.8	2.1	44	3.3	6	.8
1986.....	697	124	3.1	3.2	.7	28.0	11.6	906	6.1	2.9	77.0	3.8	2.2	45	3.3	6	.8
1987.....	735	128	3.1	3.2	.7	31.4	12.9	917	6.7	3.6	79.5	3.8	1.9	48	4.6	8	.8

<sup>1</sup> Excludes quantities used in alcoholic beverages.

<sup>2</sup> Includes white, whole wheat, and semolina flour.

<sup>3</sup> Includes an allowance for the quantity used as hominy and grits.

<sup>4</sup> Oats used in oatmeal, prepared breakfast foods, infant foods, and food products.

<sup>5</sup> Malt for food, breakfast food uses, pearl barley, and flour.

<sup>6</sup> Malt equivalent of barley food products.

<sup>7</sup> Preliminary. Estimates of corn syrup, sugar, and starch are unofficial estimates; industry data were not reported after April 1968.

Economic Research Service. All figures are estimates based on data from private industry sources, the U.S. Department of Commerce, the Internal Revenue Service, and other Government agencies.

**Table 64.—Sorghum: Area, yield, production, disposition, and value, United States, 1973-87**

Year	Sorghum for grain <sup>2</sup>								Sorghum for silage			Forage area harvested <sup>4</sup>
	Area planted for all purposes <sup>1</sup>	Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Season average price per bushel <sup>3</sup>	Value of production <sup>3</sup>	Area harvested	Yield per harvested acre	Production	
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars	1,000 acres	Tons	1,000 tons	1,000 acres
1973.....	18,994	15,700	58.8	923,224	180,841	742,383	2.14	1,978,268	836	11.4	9,520	2,093
1974.....	17,588	13,809	45.1	622,711	162,819	459,892	2.77	1,721,927	745	9.8	7,279	2,140
1975.....	18,080	15,403	49.0	754,354	174,702	579,652	2.36	1,777,100	763	9.8	7,492	1,438
1976.....	18,143	14,466	49.1	710,797	203,591	507,206	2.03	1,431,190	793	9.2	7,317	1,802
1977.....	16,636	13,797	56.6	780,944	249,333	531,611	1.82	1,411,570	839	10.9	9,184	1,556
1978.....	16,197	13,410	54.5	731,270	236,476	494,794	2.01	1,464,187	724	10.9	7,920	1,449
1979.....	15,277	12,901	62.6	807,422	(*)	(*)	2.35	1,876,641	764	11.8	8,990	1,211
1980.....	15,639	12,513	46.3	579,343	(*)	(*)	2.94	1,696,641	734	9.5	7,003	1,412
1981.....	15,930	13,677	64.0	875,835	(*)	(*)	2.38	2,078,529	786	12.0	9,447	1,024
1982.....	16,028	14,137	59.1	835,983	(*)	(*)	2.52	2,090,774	603	12.3	7,403	914
1983.....	11,880	10,001	48.7	487,521	(*)	(*)	2.84	1,382,097	639	10.3	6,572	747
1984.....	17,254	15,355	56.4	866,241	(*)	(*)	2.39	2,054,805	609	10.6	6,472	679
1985.....	18,285	16,782	66.8	1,120,271	(*)	(*)	1.93	2,243,450	534	12.3	6,566	796
1986.....	15,336	13,859	67.7	938,124	(*)	(*)	1.37	1,322,196	500	11.8	5,898	(*)
1987 <sup>6</sup> .....	11,804	10,604	69.9	740,869	(*)	(*)	1.55	1,156,438	424	12.2	5,157	(*)

<sup>1</sup> Grain and sweet sorghum for all uses, including sirup.

<sup>2</sup> Includes both grain sorghum for grain, and sweet sorghum for grain or seed.

<sup>3</sup> Based on the reported price of grain sorghum. Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

<sup>4</sup> Includes hogged or grazed and that cut and fed without removing grain.

<sup>5</sup> Estimates discontinued.

<sup>6</sup> Preliminary.

National Agricultural Statistics Service.

Table 65.—Sorghum grain: Stocks on and off farms, United States, 1973-88

Year	On farms				Off farms <sup>3</sup>			
	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1 <sup>2</sup>	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Oct. 1 <sup>2</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1973.....	217,572	94,724	45,338	13,658	401,830	267,714	153,996	59,003
1974.....	217,090	113,602	54,576	18,086	426,818	266,742	123,533	43,145
1975.....	121,041	63,193	29,778	7,849	257,843	145,278	65,307	27,188
1976.....	164,509	84,107	49,951	14,008	309,600	164,221	104,090	37,486
1977.....	158,699	87,333	60,563	21,396	331,631	208,250	135,182	69,646
1978.....	218,292	139,450	108,316	56,056	398,245	273,525	210,749	134,477
1979.....	235,515	140,606	99,216	40,847	401,484	276,684	222,988	118,683
1980.....	234,708	142,489	91,347	40,356	412,290	253,165	186,288	106,064
1981.....	138,845	81,191	50,984	29,434	325,782	232,726	133,547	79,090
1982.....	255,113	124,785	92,673	61,383	432,902	336,665	286,813	235,032
1983.....	267,744	150,101	96,012	59,937	542,706	471,104	433,061	340,296
1984.....	149,330	88,631	61,453	37,932	505,498	380,979	307,444	212,836
1985.....	228,780	134,904	89,076	45,870	496,283	346,392	271,700	225,147
1986.....	330,087	(*)	138,044	<sup>5</sup> 91,500	664,180	(*)	491,984	<sup>5</sup> 459,506
1987.....	(*)	(*)	149,100	103,200	(*)	(*)	685,871	628,313
1988 <sup>6</sup> .....	(*)	(*)	105,900	.....	(*)	(*)	708,597	.....

<sup>1</sup> Prior to 1976, estimates are for July 1.<sup>2</sup> Old crop only.<sup>3</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.<sup>4</sup> Per program modification estimates available only for June 1 and September 1.<sup>5</sup> Beginning 1986, estimates for September 1.<sup>6</sup> Preliminary.

National Agricultural Statistics Service.

Table 66.—Sorghum: Supply and disappearance, United States, 1973-87 <sup>1</sup>

Year beginning October	Supply				Disappearance					Ending stocks Sept. 30		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Private-ly held <sup>2</sup>	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1973.....	73	923	( <sup>3</sup> )	996	690	11	701	234	935	60	1	61
1974.....	61	623	( <sup>3</sup> )	684	425	12	437	212	649	35	.....	35
1975.....	65	754	.....	819	494	11	505	232	737	82	.....	82
1976.....	82	711	.....	793	411	11	422	254	676	117	.....	117
1977.....	117	781	.....	898	448	11	459	223	682	211	5	216
1978.....	216	731	.....	947	538	11	549	190	739	164	44	208
1979.....	208	807	.....	1,015	495	12	507	330	837	132	46	178
1980.....	178	579	.....	757	323	11	334	293	627	89	41	130
1981.....	130	876	.....	1,006	417	10	427	260	687	277	42	319
1982.....	319	835	.....	1,154	495	10	505	210	715	268	171	439
1983.....	439	488	( <sup>3</sup> )	927	385	10	395	245	640	185	102	287
1984.....	287	866	( <sup>3</sup> )	1,153	538	18	556	297	853	188	112	300
1985.....	300	1,120	.....	1,420	662	29	691	178	869	344	207	551
1986.....	551	938	.....	1,489	545	15	559	198	758	323	409	732
1987 <sup>4</sup> .....	732	741	.....	1,472	550	15	565	225	790	172	510	682

<sup>1</sup> 1975 to date revised based on new crop year, Sept. 1-Aug. 30.<sup>2</sup> Includes total Government loans (original and resale).<sup>3</sup> Less than 500 thousand bushels.<sup>4</sup> Preliminary.

Economic Research Service.

Table 67.—Sorghum: Area, yield, and production, by States, 1985-87

State	Area planted for all purposes			Sorghum for grain								
	1985	1986	1987 <sup>1</sup>	Area harvested			Yield per harvested acre			Production		
				1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels	
AL.....	270	140	60	230	100	40	55.0	40.0	48.0	12,650	4,000	1,920
AZ.....	18	15	14	16	12	11	81.0	87.0	90.0	1,296	1,044	990
AR.....	940	675	420	920	660	405	72.0	62.0	72.0	66,240	40,920	29,160
CA.....	42	30	25	36	26	20	83.0	85.0	90.0	2,988	2,210	1,800
CO.....	370	380	400	320	300	230	35.0	39.0	43.0	11,200	11,700	9,890
GA.....	175	155	110	138	82	60	48.0	33.0	40.0	6,624	2,706	2,400
IL.....	500	230	150	470	200	140	77.0	95.0	86.0	36,190	19,000	12,040
KS.....	4,800	4,500	4,100	4,300	4,150	3,750	69.0	75.0	73.0	296,700	311,250	273,750
KY.....	150	60	30	143	57	26	80.0	75.0	70.0	11,440	4,275	1,820
LA.....	425	370	190	410	350	172	68.0	68.0	72.0	27,880	23,800	12,384
MS.....	650	250	160	620	240	145	64.0	60.0	65.0	39,680	14,400	9,425
MO.....	1,450	1,200	120	1,410	1,140	700	83.0	81.0	85.0	117,030	92,340	59,500
NE.....	2,100	1,700	1,450	1,930	1,530	1,300	80.0	89.0	84.0	154,400	139,730	109,200
NM.....	305	250	165	290	230	140	48.0	45.0	57.0	13,920	136,170	7,980
NC.....	90	85	70	62	40	45	52.0	30.0	43.0	3,224	1,400	1,935
OK.....	580	550	450	500	490	410	45.0	47.0	46.0	22,500	23,030	18,860
SC.....	80	66	40	47	32	15	47.0	32.0	37.0	2,209	1,024	555
SD.....	560	450	360	375	305	270	40.0	46.0	53.0	15,000	14,030	14,310
TN.....	480	180	90	465	165	75	80.0	65.0	80.0	37,200	10,725	6,000
TX.....	4,300	4,050	2,800	4,100	3,750	2,650	59.0	57.0	63.0	241,900	213,750	166,950
US.....	18,285	15,336	11,804	16,782	13,589	10,604	66.8	67.7	69.9	1,120,271	938,124	740,869

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 68.—Sorghum: Utilization for silage, by States, 1985-87

State	Silage								
	Area harvested			Yield per acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons	
AL.....	22	15	10	10.5	9.5	9.5	231	143	95
AZ.....	2	3	3	24.0	19.0	18.0	48	57	54
AR.....	12	7	5	9.0	10.0	10.0	108	70	50
CA.....	3	3	4	20.0	20.0	21.0	60	60	84
CO.....	18	19	18	16.0	13.0	15.0	288	247	270
GA.....	25	42	40	14.0	9.0	11.0	350	378	440
IL.....	5	10	6	12.5	12.0	10.0	63	120	60
KS.....	184	130	123	14.5	14.0	14.5	2,668	1,820	1,784
KY.....	3	2	3	12.0	12.0	12.0	36	24	36
LA.....	7	8	6	10.0	11.0	10.0	70	88	60
MS.....	25	5	12	13.0	12.0	15.0	325	60	180
MO.....	14	10	10	10.5	11.5	12.0	147	115	120
NE.....	60	90	50	11.5	14.5	12.5	690	1,305	625
NM.....	1	3	3	12.0	12.0	13.0	12	36	39
NC.....	19	28	21	13.0	7.0	12.0	247	196	252
OK.....	16	23	15	12.0	13.0	13.0	192	299	195
SC.....	27	19	15	12.0	7.0	8.5	324	133	128
SD.....	65	60	50	6.2	7.6	7.3	403	456	365
TN.....	6	8	10	14.0	12.0	10.0	84	96	100
TX.....	20	15	20	11.0	13.0	11.0	220	195	220
US.....	534	500	424	12.3	11.8	12.2	6,566	5,898	5,157

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 69.—Sorghum grain: Season average price and value, by States, crop of 1985, 1986, and 1987

State	Season average price per bushel			Value of production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	1.88	1.43	1.40	23,782	5,720	2,688
AZ.....	2.88	2.30	2.32	3,732	2,401	2,297
AR.....	1.90	1.37	1.65	125,876	56,060	48,114
CA.....	2.60	2.02	2.18	7,769	4,464	3,924
CO.....	2.03	1.42	1.60	22,736	16,614	15,824
GA.....	1.74	1.32	1.43	11,526	3,572	3,432
IL.....	2.02	1.34	1.46	73,104	25,460	17,578
KS.....	1.92	1.33	1.48	569,664	413,963	405,150
KY.....	1.99	1.40	1.48	22,766	5,985	2,694
LA.....	2.07	1.48	1.57	57,712	35,224	19,443
MS.....	2.18	1.74	1.90	86,502	25,056	17,908
MO.....	1.88	1.25	1.46	220,016	115,425	86,870
NE.....	1.92	1.35	1.48	296,448	183,830	161,616
NM.....	2.34	1.70	1.90	32,573	17,595	15,162
NC.....	2.16	1.51	1.57	6,964	2,114	3,038
OK.....	2.06	1.49	1.71	46,350	34,315	32,251
SC.....	1.99	1.71	1.65	4,396	1,751	916
SD.....	1.64	1.16	1.29	24,600	16,275	18,460
TN.....	1.88	1.34	1.43	69,936	14,372	8,580
TX.....	2.22	1.60	1.74	537,018	342,000	290,493
US.....	1.93	1.37	1.55	2,243,450	1,322,196	1,156,438

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 70.—Sorghum grain: Price-support operations, United States, 1973-88

Year beginning October	Support price				Put under support <sup>2</sup>		Acquired by CCC under support program <sup>3</sup>	Owned by CCC Sept. 30
	Per cwt.		Percentage of parity <sup>1</sup>		Quantity	Percentage of production		
	Loan	Target	Loan	Target			Million cwt.	Percent
1973.....	1.79		45		13.2	2.5		
1974.....	1.88	2.34	41	50	2.2	.6		
1975.....	1.88	2.34	36	45	5.4	1.3		
1976.....	2.55	2.66	46	48	12.5	3.1		
1977.....	3.39	4.07	59	71	121.7	27.5	7.2	4 7.3
1978.....	3.39	4.07	55	66	51.6	12.3	17.1	24.4
1979.....	3.57	4.18	51	60	35.8	7.9	1.3	24.6
1980.....	<sup>5</sup> 3.82-4.07	<sup>6</sup> 4.46-4.38	49-52	57-56	18.1	5.6	.1	21.4
1981.....	<sup>5</sup> 4.07-4.32	4.55	49-52	55	155.0	31.5	6.5	24.0
1982.....	<sup>5</sup> 4.32-4.91	4.64	50-57	54	134.5	28.8	<sup>7</sup> 41.0	<sup>8</sup> 92.4
1983.....	4.50	4.86	51	55	7.6	2.8	1.7	50.0
1984.....	4.32	5.14	48	57	36.4	7.5	36.4	67.6
1985.....	4.32	5.14	50	60	201.0	32.0	87.5	116.2
1986 <sup>8</sup> .....	3.25	5.14	39	61	<sup>9</sup> 221.7	42.2	127.9	229.0
1987.....	3.11	5.14	37	61	200.0	48.2	<sup>9</sup> 150.0	<sup>9</sup> 300.0
1988.....	3.00	4.96						

<sup>1</sup> Percentage of parity price as of the beginning of the market year.<sup>2</sup> Represents loans made, purchases, and purchase agreements entered into.<sup>3</sup> Acquisition through loan forfeitures occurring during crop year.<sup>4</sup> Uncommitted CCC inventory.<sup>5</sup> Smaller value is regular loan; larger value is loan rate for crops in the former-owned reserve.<sup>6</sup> Producers who exceed their NCA will be eligible for the lower target price.<sup>7</sup> Includes Payment-In-Kind purchases.<sup>8</sup> Beginning September 1, 1986, marketing year begins September 1 and ends August 31.<sup>9</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 71.—Sorghum grain: United States exports by country of destination, 1985-86 <sup>1</sup>

Country of destination	Year <sup>1</sup>		Country of destination	Year <sup>1</sup>	
	1985	1986		1985	1986
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
Western Hemisphere:			Asia:		
Canada.....	66	6,404	Israel.....	492,786	228,529
Mexico.....	371,886	787,530	Japan.....	2,182,073	2,508,160
Other countries.....	748,343	802,343	Taiwan.....	244,171	597,595
Total Americas.....	1,120,295	1,596,277	Total Asia and Oceania.....	2,919,030	3,334,284
Europe:			Africa:		
Belgium-Luxembourg.....	0	0	Senegal.....	6,860	0
Germany, Fed. Rep. of.....	86	0	South Africa.....	0	2,000
Netherlands.....	4,100	46	Other countries.....	10,081	15,334
Norway.....	0	0	Total Africa.....	16,941	17,334
Poland.....	0	97,309	World total.....	4,111,488	5,118,543
Other countries.....	51,036	73,293			
Total Europe.....	55,222	170,648			

<sup>1</sup> Year beginning Oct. 1.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 72.—Feed grains: United States exports under specified Government programs, 1973-86

Year <sup>1</sup>	Public Law 480				Foreign donations Section 416 <sup>6</sup>	Mutual security (AID) <sup>7</sup>	Total specified Government programs
	Title I sales		Title II donations				
	Sales for foreign currency <sup>2</sup>	Long-term dollar and convertible foreign currency credit sales <sup>3</sup>	Government-to-government and World Food Program <sup>4</sup>	Voluntary relief agencies <sup>5</sup>			
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
1973.....		379	452	14		115	960
1974.....		14	142	2			158
1975.....			56	6		148	210
( <sup>8</sup> ).....		(35)	(11)	(1)		(610)	(657)
1976.....		480	46	3		1,306	1,834
1977.....		424	160			1,440	2,024
1978.....		565	113	7		1,445	2,130
1979.....		637	229	39		224	1,129
1980.....		553	226	21		444	1,244
1981.....		296	79	34		323	732
1982.....		320	118	18		392	848
1983.....		364	452	9		793	1,618
1984.....		211	1,121	30		405	1,767
1985.....		124	91	41		445	701
1986.....		333	39	14	38	420	844

<sup>1</sup> Year beginning July 1 for 1973-75 and Oct. 1 starting in 1976.<sup>2</sup> Authorized by Title I, P.L. 480.<sup>3</sup> Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480, as amended by P.L. 89-808.<sup>4</sup> Authorized by Title II, P.L. 480.<sup>5</sup> Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec 302, Title III, P.L. 480 through Dec. 31, 1966. Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967.<sup>6</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984.<sup>7</sup> Foreign Assistance Act of 1961, as amended.<sup>8</sup> Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.



Table 73.—Commercial feeds: Disappearance for feed, United States, 1973-87

Year beginning October	Oilseed cake and meal						Animal protein			
	Soy-bean	Cotton-seed	Linseed	Pea-nut <sup>1</sup>	Sun-flower	Total	Tank-age and meat meal	Fish meal	Dried milk <sup>2</sup>	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1973.....	13,792	2,096	184	130	.....	16,202	1,854	350	315	2,519
1974.....	12,552	1,847	95	151	.....	14,645	1,981	444	238	2,663
1975.....	15,612	1,266	94	313	119	17,404	2,001	508	234	2,743
1976.....	14,056	1,556	114	203	23	15,952	2,200	414	249	2,863
1977.....	16,276	1,962	110	105	140	18,593	2,329	418	290	3,037
1978.....	17,720	1,762	111	113	198	19,904	2,323	509	320	3,152
1979.....	19,214	1,879	75	115	396	21,679	2,528	409	305	3,242
1980.....	17,591	1,636	103	94	489	19,913	2,458	379	305	3,142
1981.....	17,714	2,037	70	118	220	20,159	2,492	529	334	3,355
1982.....	19,306	1,648	93	74	477	21,598	2,482	454	398	3,334
1983.....	17,615	1,126	125	75	265	19,206	2,472	499	406	3,377
1984.....	19,480	1,758	120	123	338	21,819	2,889	649	425	3,963
1985.....	19,090	1,520	110	174	345	21,239	2,888	511	405	3,804
1986.....	20,387	1,131	127	108	287	22,040	2,645	571	433	3,649
1987 <sup>3</sup> .....	21,050	1,450	130	120	446	23,196	2,700	575	401	3,676

  

Year beginning October	Mill products <sup>4</sup>								Total commercial feeds
	Wheat mill-feeds	Gluten feed and meal <sup>5</sup>	Rice mill-feeds	Brewer's dried grains	Distillers' dried grains	Dried molasses beet pulp <sup>6</sup>	Alfalfa meal	Total	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1973.....	4,465	1,361	471	348	456	1,393	1,555	10,049	28,770
1974.....	4,693	1,502	576	346	339	1,332	1,557	10,345	27,653
1975.....	4,933	1,477	547	321	400	1,861	1,569	11,108	31,255
1976.....	4,797	1,038	602	297	374	1,756	1,202	10,066	28,881
1977.....	4,970	1,223	553	282	403	1,451	1,497	10,378	32,009
1978.....	4,944	1,194	633	309	496	1,514	1,371	10,462	33,518
1979.....	4,851	787	698	339	495	1,257	1,261	9,688	34,608
1980.....	5,114	839	778	320	499	1,310	1,096	9,956	33,011
1981.....	5,047	1,038	735	264	494	1,538	990	10,107	33,621
1982.....	5,576	718	648	214	751	1,120	978	10,005	34,938
1983.....	5,598	1,807	502	149	633	1,143	990	10,822	33,404
1984.....	5,604	4,133	607	156	890	1,241	891	13,521	39,304
1985.....	5,962	1,791	638	148	962	1,284	856	11,642	36,685
1986.....	6,367	1,579	653	161	887	1,456	649	11,752	37,440
1987 <sup>3</sup> .....	6,185	1,670	640	150	900	1,460	660	11,665	38,538

<sup>1</sup> Year beginning August 1.<sup>2</sup> Includes dried skim milk, and whey for feed, but does not include any milk products fed on farms. Beginning 1974, not comparable with earlier years.<sup>3</sup> Preliminary.<sup>4</sup> Other mill products that are not listed include screenings, hominy, and oats feed etc., for which no statistics are available.<sup>5</sup> Adjusted for export data.<sup>6</sup> Does not include wet sugarbeet pulp.

Economic Research Service.

**Table 74.—High-protein feeds: Quantity for feeding, high-protein animal units, quantity per animal unit, and prices, United States, 1973-87**

Year beginning October	Quantity for feeding <sup>1</sup>						High-protein animal units	Quantity per animal unit	High-protein feed prices
	Oilseed meal			Animal protein	Grain protein <sup>3</sup>	Total			
	Soybean meal	Other oilseed meals <sup>2</sup>	Total						
<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Million units</i>	<i>Pounds</i>	<i>Index numbers 1967=100</i>	
1973.....	14,134	2,182	16,316	2,520	2,732	21,568	104.1	414	197
1974.....	13,336	1,951	15,287	3,015	1,141	19,443	96.7	402	171
1975.....	16,588	1,680	18,268	3,118	1,153	22,538	96.6	467	193
1976.....	14,934	1,769	16,703	3,244	893	20,820	99.4	419	252
1977.....	17,253	2,147	19,400	3,418	995	23,813	100.9	472	213
1978.....	18,960	2,022	20,982	3,533	1,032	25,548	105.9	483	248
1979.....	21,135	2,279	23,414	3,651	795	27,860	108.6	513	240
1980.....	19,350	2,136	21,486	3,529	824	25,839	107.8	480	279
1981.....	19,485	2,270	21,755	3,766	929	26,451	104.6	506	235
1982.....	21,044	2,108	23,152	3,680	863	27,695	105.4	525	244
1983.....	18,848	1,460	20,308	3,727	1,436	25,471	105.8	482	245
1984.....	20,649	2,159	22,808	4,423	2,957	30,188	106.0	570	165
1985.....	20,235	1,988	22,223	4,243	1,599	28,065	106.9	525	199
1986.....	21,610	1,519	23,130	4,033	1,436	28,599	109.5	522	210
1987.....	22,313	1,973	24,286	4,095	1,495	29,876	113.2	528	.....

<sup>1</sup> In terms of 44 percent protein soybean meal equivalent.

<sup>2</sup> Includes cottonseed, linseed, peanut meal, and sunflower meal. Includes 30,000 tons previously excluded for industrial uses and for fertilizer.

<sup>3</sup> Beginning 1973, adjusted for exports of corn gluten feed and meal.

Economic Research Service.

**Table 75.—Feed concentrates fed to livestock and poultry, 1973-87**

Year beginning October	Feed grains				Wheat	Rye	By-product feeds <sup>1</sup>	Total concentrates	Grain consuming animal units	Concentrates fed per grain-consuming animal unit	
	Corn	Sorghum	Oats and barley	Total						Millions	Tons
1973.....	117.0	19.3	15.1	151.4	4.2	0.3	40.8	196.7	78.5	2.51	
1974.....	89.0	11.9	13.5	114.4	.6	.2	38.4	153.6	69.8	2.20	
1975.....	99.6	14.3	13.2	127.1	1.7	.2	36.8	165.8	72.6	2.28	
1976.....	100.4	12.0	11.5	123.9	7.4	.1	34.2	165.6	74.1	2.23	
1977.....	104.1	12.5	13.0	129.6	4.7	.3	37.3	171.9	75.7	2.27	
1978.....	119.4	15.1	13.7	148.1	3.4	.2	41.7	193.5	78.3	2.47	
1979.....	127.4	13.9	12.1	153.3	2.9	.2	42.2	198.6	79.3	2.50	
1980.....	116.4	9.0	11.3	136.7	4.7	.2	39.9	181.5	77.6	2.34	
1981.....	116.7	11.7	11.8	140.2	3.6	.1	40.4	184.3	74.3	2.48	
1982.....	126.6	13.9	14.1	154.6	7.8	.1	38.5	201.0	76.4	2.63	
1983.....	106.9	10.8	13.9	131.6	13.6	.1	37.4	182.7	75.9	2.41	
1984.....	114.2	15.1	14.1	143.4	10.8	.1	45.9	200.2	76.5	2.62	
1985.....	114.7	18.6	14.7	148.0	11.6	.1	43.4	203.0	75.4	2.69	
1986.....	132.0	15.3	13.0	160.3	8.3	.1	44.5	213.1	75.0	2.84	
1987.....	137.2	15.4	12.3	164.9	7.5	.1	45.7	218.2	77.4	2.82	

<sup>1</sup> Oilseed meals, animal protein feeds, mill byproducts, and mineral supplements.

Economic Research Service.

**Table 76.—Feed consumed per head and per unit of production, by class of livestock or poultry, with quantity expressed in equivalent feeding value of corn, 1973-86**

Year beginning October	Dairy cattle			Beef cattle				Sheep and lambs	
	Milk cows		Other dairy cattle per head	Cattle on feed per head Jan. 1 <sup>1</sup>	Other beef cattle per head	All beef cattle per head	Cattle and calves per 100 pounds produced <sup>2</sup>	Per head	Per 100 pounds produced <sup>3</sup>
	Per head	Per 100 pounds milk produced							
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1973	11,570	113	5,774	7,708	5,303	5,595	1,539	2,021	1,744
1974	11,543	112	5,571	5,584	5,178	5,480	1,468	1,856	2,332
1975	11,540	109	6,303	7,593	5,247	6,031	2,183	1,260	2,386
1976	11,809	108	6,405	6,516	5,344	5,871	1,899	1,840	2,114
1977	12,129	110	6,864	6,524	5,251	5,421	1,374	1,442	2,552
1978	12,494	110	6,700	8,196	5,240	5,648	1,457	1,397	2,349
1979	12,978	111	6,800	8,122	5,437	5,757	1,411	1,373	2,497
1980	12,770	110	6,606	7,812	5,581	5,840	1,431	1,437	2,613
1981	12,181	99	6,248	8,759	5,360	5,721	1,395	1,409	2,401
1982	12,660	101	6,300	8,988	5,395	5,829	1,432	1,529	2,382
1983	12,648	103	5,795	7,848	5,708	5,994	1,382	1,723	2,354
1984	12,733	99	6,280	8,157	5,325	5,699	1,412	1,439	2,255
1985	12,879	97	6,282	8,740	5,519	5,933	1,390	1,513	2,085
1986 <sup>4</sup>	13,161	99	6,275	8,715	5,480	6,040	1,415	1,530	2,080

  

Year beginning October	Poultry								Hogs per 100 pounds produced	Horses and mules 2 years and over per head
	Hens and pullets		Chickens raised		Broilers produced		Turkeys raised			
	Per head Jan. 1	Per 100 eggs	Per head	Per 100 pounds live weight	Per head	Per 100 pounds produced	Per head	Per 100 pounds produced		
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1973	100	59	32	663	9.7	257	94	400	660	3,607
1974	100	57	26	540	10.1	268	82	401	530	3,592
1975	101	56	26	540	7.7	228	71	381	566	3,547
1976	105	58	25	542	8.7	236	70	378	584	3,678
1977	103	56	24	560	8.6	225	79	408	633	3,680
1978	107	58	26	550	9.3	243	79	439	662	3,656
1979	107	62	26	565	9.4	263	76	414	688	3,860
1980	106	61	25	560	9.5	265	76	415	647	3,825
1981	108	61	26	564	10.0	261	84	442	620	3,621
1982	112	63	25	560	11.0	252	89	464	638	3,642
1983	105	59	28	560	9.3	251	82	431	605	3,592
1984	108	62	26	555	9.0	251	84	450	590	3,520
1985	107	62	26	555	9.0	251	84	450	601	3,546
1986 <sup>4</sup>	107	62	26	555	9.1	250	84	450	595	3,520

<sup>1</sup> Feed consumed by all cattle divided by the number on feed Jan. 1.

<sup>2</sup> Feed for all cattle, except milk cows, divided by the net live-weight production of cattle and calves. It includes the growth on dairy heifers and calves as well as all beef cattle.

<sup>3</sup> About 19 pounds of wool were produced with each 100 pounds live-weight production.

<sup>4</sup> Preliminary.

<sup>5</sup> Economic Research Service.

**Table 77.—Feed consumed by livestock and poultry, by type of feed, with quantity expressed in equivalent feeding value of corn, 1973-87**

Year beginning October	Concentrates	Harvested roughage	Pasture	Total	Year beginning October	Concentrates	Harvested roughage	Pasture	Total
	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>		<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>
1973 .....	192	77	244	513	1981 .....	197	93	231	521
1974 .....	151	85	268	504	1982 .....	203	107	213	523
1975 .....	173	96	243	512	1983 .....	197	100	215	513
1976 .....	179	100	228	507	1984 .....	208	94	209	511
1977 .....	183	89	214	486	1985 .....	211	100	193	504
1978 .....	205	94	201	500	1986 <sup>1</sup> .....	222	97	188	507
1979 .....	210	101	211	522	1987 <sup>2</sup> .....	228	100	183	511
1980 .....	193	102	232	527					

<sup>1</sup> Preliminary.<sup>2</sup> Estimated.

Economic Research Service.

**Table 78.—Animal units fed: Grain-consuming, roughage-consuming, and grain-and-roughage-consuming, United States, 1973-87 <sup>1</sup>**

Year beginning October	Grain-consuming <sup>2</sup>	Roughage-consuming <sup>3</sup>	Grain and roughage-consuming <sup>4</sup>	Year beginning October	Grain-consuming <sup>2</sup>	Roughage-consuming <sup>3</sup>	Grain and roughage-consuming <sup>4</sup>
	<i>1,000 units</i>	<i>1,000 units</i>	<i>1,000 units</i>		<i>1,000 units</i>	<i>1,000 units</i>	<i>1,000 units</i>
1973 .....	76,176	99,487	90,560	1981 .....	74,285	91,370	84,419
1974 .....	68,057	103,732	89,996	1982 .....	76,445	90,139	84,494
1975 .....	72,617	98,191	88,013	1983 .....	75,890	89,346	83,791
1976 .....	74,148	94,864	86,544	1984 .....	76,452	85,662	81,735
1977 .....	75,740	89,631	83,936	1985 .....	75,370	83,095	83,095
1978 .....	78,279	86,040	82,701	1986 .....	75,030	80,731	80,731
1979 .....	79,274	87,563	84,019	1987 <sup>5</sup> .....	77,408	78,386	77,631
1980 .....	77,623	90,211	85,003				

<sup>1</sup> Index series based on average feeding rates for years 1969-71. In calculations for the feeding years 1969 to date, cattle numbers used are the new categories shown in the Livestock and Poultry Inventory, published by NASS, USDA.<sup>2</sup> Livestock and poultry numbers weighted by all concentrates consumed.<sup>3</sup> Livestock and poultry numbers weighted by all roughage (including pasture) consumed.<sup>4</sup> Livestock and poultry numbers weighted by all feed (including pasture) fed to livestock.<sup>5</sup> Preliminary.

Economic Research Service.

Table 79.—Feed grains: Average price, selected markets and grades, 1973-86 <sup>1</sup>

Crop year <sup>2</sup>	Kansas City			Minneapolis			
	Corn, No. 2 Yellow	Corn, No. 2 White	Sorghum, No. 2 Yellow	Corn, No. 2 Yellow	Barley, No. 3 or Better malting	Barley, No. 2 Feed	Oats, No. 2 White
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>
1973	2.91	3.66	4.64	2.78	2.67	2.03	1.30
1974	3.08	4.09	5.04	3.05	4.16	2.58	1.68
1975	2.69	2.92	4.46	2.67	3.52	2.38	1.66
1976	2.26	2.91	3.49	2.25	3.13	2.35	1.74
1977	2.28	3.30	3.54	2.13	2.27	1.68	1.27
1978	2.56	2.93	4.00	2.32	2.38	1.80	1.43
1979	2.72	4.70	4.65	2.53	2.87	2.16	1.57
1980	3.29	4.96	5.36	3.13	3.64	2.60	2.04
1981	2.60	2.60	4.28	2.44	3.06	2.21	2.14
1982	2.99	3.35	4.92	2.83	2.53	1.63	1.69
1983	3.36	4.70	5.13	3.25	2.84	2.48	1.87
1984	2.74	3.27	4.38	2.62	2.55	2.09	1.81
1985	2.37	2.49	3.72	2.23	2.24	1.53	1.31
1986	1.64	2.17	2.73	1.51	1.89	1.44	1.46

  

Crop year <sup>2</sup>	Omaha: Corn, No. 2 Yellow	Chicago: Corn, No. 2 Yellow	Texas High Plains: Sorghum, No. 2 Yellow	Los Angeles			St. Louis: Corn, No. 2 Yellow
				Corn, No. 2 Yellow	Barley, No. 2 Western	Sorghum, No. 2 Yellow	
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>
1973	2.79	2.95	4.78	3.43	2.70	5.64	2.87
1974	3.05	3.12	5.08	3.66	3.14	6.12	3.07
1975	2.66	2.75	4.47	3.34	2.81	5.63	2.70
1976	2.15	2.30	3.64	2.86	2.61	4.68	2.25
1977	2.08	2.26	3.88	2.99	2.35	4.82	2.23
1978	2.28	2.54	4.40	3.39	2.53	5.44	2.51
1979	2.49	2.81	4.97	3.74	2.96	6.32	2.73
1980	3.13	3.38	5.86	4.48	3.57	7.31	3.35
1981	2.46	2.58	4.85	3.72	3.27	6.18	2.61
1982	2.82	2.93	5.30	3.93	2.97	6.56	2.98
1983	3.20	3.41	5.48	4.22	3.45	6.69	3.45
1984	2.60	2.74	4.95	3.78	3.16	6.08	2.75
1985	2.25	2.35	4.33	3.43	2.77	5.57	2.37
1986	1.53	1.64	3.24	2.69	2.38	4.50	1.68

<sup>1</sup> Simple average of daily prices.<sup>2</sup> For corn and sorghum crop year began in October for 1973-84, September for 1985-86. For barley and oats, crop year begins in June.

Agricultural Marketing Service.

**Table 80.—Feedstuffs: Average price per ton bulk, in wholesale lots, at leading markets, 1973-86**

Year beginning October	Soybean meal		Cottonseed meal		Linseed meal	Peanut meal	Meat meal	Tankage digester	Fish-meal	Wheat bran
	44% protein	49-50% protein	41% protein	41% protein	34% protein	45% protein	50% protein	60% protein	60% protein	Kansas City
	Decatur	Decatur	Kansas City	Memphis	Minneapolis	S.E. mills	Kansas City	Chicago	West Coast	
	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton
1973	146.40	160.60	141.40	130.70	128.00		194.80	202.40		90.80
1974	130.90	141.25	132.60	119.00	126.70	129.30	155.00	159.90	265.10	86.60
1975	147.80	157.70	161.40	145.00	134.60	150.90	180.00	184.10	307.75	88.60
1976	199.80	218.70	188.80	173.60	156.90	207.40	225.40	230.90	388.70	81.80
1977	164.20	179.40	156.20	139.70	137.75	164.40	204.00	208.50	311.40	70.00
1978	190.10	206.20	180.60	164.80	152.20	198.50	243.50	247.90	327.90	87.70
1979	181.90	197.00	188.80	164.10	154.40	186.10	233.30		321.00	95.60
1980	218.20	235.10	216.20	197.10	160.50	236.00	252.50		359.80	103.40
1981	182.50	196.60	168.00	156.20	151.70	182.10	209.20		316.90	82.40
1982	187.20	200.90	196.90	176.60	145.10	198.30	219.40		326.60	87.60
1983	188.20	203.20	207.00	190.20	140.20	209.00	208.40		323.90	94.80
1984	125.40	136.40	120.30	99.40	87.90		150.20		234.60	66.10
1985	154.90	166.20	151.00	133.30	114.00		168.75		230.00	59.00
1986	162.60	177.30	165.80	148.50	113.20		197.80		265.40	45.90

  

Year beginning October	Wheat middlings	Wheat shorts or middlings	Wheat mill-run	Gluten feed	Hominy feed	Distillers' dried grains	Brewers' dried grains	Alfalfa meal		Feeding molasses	Index numbers Jan.-Dec. 1967=100 <sup>2</sup>
	Minneapolis	Kansas City	Portland	21% protein	Illinois Points	Lawrenceburg <sup>1</sup>	Milwaukee	Dehydrated, 17% protein	Sun-cured	New Orleans	
				Chicago				Kansas City	Kansas City		
	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	Dollars per ton	
1973	88.30	90.80	107.00	90.20	92.50	114.30	99.30	91.40	79.40	68.70	197.7
1974	84.00	85.60	107.30	88.20	90.50	117.00	90.75	81.00	73.70	51.50	174.6
1975	86.20	89.00	103.00	93.80	85.40	112.40	97.60	101.70	91.10	48.60	193.1
1976	82.40	81.80	90.40	107.25	74.30	132.40	112.75	95.40	84.30	44.80	239.4
1977	64.80	70.00	84.80	91.30	70.20	121.20	89.90	76.00	67.50	42.70	202.8
1978	80.20	87.70	97.80	120.80	80.40	127.80	106.20	100.75	86.70	79.10	242.0
1979	53.00	95.60	116.00	125.25	87.60	137.80	110.40	109.60	92.40	90.70	240.6
1980	92.80	103.40	129.60	120.20	105.40	161.90	116.00	122.40	108.70	98.90	278.6
1981	71.10	82.40	111.80	113.00	78.70	145.60	96.80	105.60	93.60	50.50	229.8
1982	70.70	87.60	110.40	117.80	96.50	145.30	105.60	120.60	104.40	48.80	237.9
1983	80.20	94.80	116.80	109.10	108.20	169.90	112.60	129.50	114.90	67.10	246.6
1984	47.60	66.10	87.70	73.10	79.10	94.20	63.70	99.20	88.30	48.20	
1985	46.20	59.00	82.40	90.90	80.80	111.10	74.50	92.70	82.30	68.80	
1986	32.80	45.90	65.70	98.30	63.40	115.90	81.40	93.10	85.30	56.50	

<sup>1</sup> Cincinnati 1973-1980.

<sup>2</sup> Based on prices of the following feedstuffs at leading markets, weighted by average consumption: Soybean meal, cottonseed meal, meat meal, tankage, fishmeal, wheat meals; bran, middlings, and millrun; gluten feed and meal; hominy feed, brewers' and distillers' dried grains; alfalfa meal; rice bran and feeding molasses.

Agricultural Marketing Service.

## CHAPTER II

# STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

In addition to tables on cotton, tobacco, sugar, and honey, this chapter includes tables on fibers other than cotton and syrups. Cottonseed data, however, are in the following chapter on oilseeds, fats, and oils.

**Table 81.—Cotton: Area, yield, production, and value, United States, 1973–87**

Year	Area		Yield per harvested acre	Production	Season average price per pound received by farmers <sup>1</sup>	Value of production <sup>1</sup>
	Planted	Harvested				
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 bales<sup>2</sup></i>	<i>Cents</i>	<i>1,000 dollars</i>
1973.....	12,479.7	11,970.2	520	12,974.0	44.6	2,779,504
1974.....	13,679.4	12,546.6	442	11,540.1	42.9	2,374,064
1975.....	9,477.6	8,796.0	453	8,301.6	51.3	2,043,678
1976.....	11,635.5	10,913.5	465	10,580.6	64.1	3,254,954
1977.....	13,679.5	13,275.3	520	14,389.2	52.3	3,614,938
1978.....	13,375.1	12,400.0	420	10,855.8	58.4	3,044,991
1979.....	13,977.5	12,830.9	547	14,629.3	62.5	4,391,378
1980.....	14,533.8	13,214.8	404	11,122.1	74.7	3,986,678
1981.....	14,330.1	13,841.2	542	15,645.7	54.3	4,075,403
1982.....	11,345.4	9,733.9	590	11,962.7	59.4	3,410,226
1983.....	7,926.3	7,347.5	508	7,771.4	66.4	2,478,176
1984.....	11,145.4	10,379.1	600	12,981.8	57.8	3,603,434
1985.....	10,684.6	10,229.0	630	13,432.2	56.5	3,645,410
1986.....	10,044.6	8,468.4	552	9,731.1	52.4	2,449,111
1987 <sup>3</sup> .....	10,407.2	10,035.3	706	14,759.9	64.2	<sup>4</sup> 4,547,024

<sup>1</sup> Net weight price. Includes allowance for unredeemed loans. Does not include Government program payments.  
<sup>2</sup> 480-pound net weight bales.

<sup>3</sup> Preliminary.

<sup>4</sup> Average to Apr. 1, 1988, with no allowance for unredeemed loans.

National Agricultural Statistics Service. Production figures conform with the Bureau of the Census annual ginning enumerations.

Table 82.—Cotton: Area, yield, and production, by States, 1985–87

State	Area planted			Area harvested			Yield per harvested acre			Production <sup>1</sup>		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
Upland:	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>
AL.....	330.0	315.0	335.0	329.0	313.0	333.0	795	506	572	545.0	330.0	397.0
AZ.....	360.0	250.0	290.0	359.0	249.0	289.0	1,241	1,301	1,410	928.0	675.0	849.0
AR.....	465.0	490.0	555.0	440.0	480.0	550.0	767	602	786	703.0	602.0	901.0
CA.....	1,330.0	1,000.0	1,150.0	1,320.0	990.0	1,140.0	1,132	1,088	1,259	3,114.0	2,245.0	2,989.0
FL.....	24.5	19.5	29.5	22.5	19.0	29.0	693	707	646	32.5	28.0	39.0
GA.....	255.0	225.0	250.0	245.0	195.0	245.0	725	455	662	370.0	185.0	338.0
KS.....	.8	1.2	1.0	.6	1.0	.9	320	336	480	.4	.7	.9
LA.....	640.0	580.0	605.0	630.0	570.0	600.0	565	567	782	742.0	673.0	977.0
MS.....	1,050.0	1,020.0	1,020.0	1,040.0	1,000.0	1,010.0	764	571	829	1,655.0	1,190.0	1,745.0
MO.....	152.0	178.0	190.0	150.0	160.0	189.0	653	588	838	204.0	196.0	330.0
NM.....	70.0	63.0	66.0	54.0	50.0	62.0	631	595	689	71.0	62.0	89.0
NC.....	88.0	82.0	96.0	87.0	81.0	95.0	646	646	495	117.0	109.0	98.0
OK.....	370.0	400.0	420.0	360.0	350.0	400.0	380	288	415	285.0	210.0	346.0
SC.....	124.0	118.0	120.0	122.0	113.0	119.0	708	370	428	180.0	87.0	106.0
TN.....	340.0	340.0	440.0	335.0	335.0	435.0	600	567	700	419.0	396.0	634.0
TX.....	5,000.0	4,850.0	4,700.0	4,650.0	3,450.0	4,400.0	404	353	506	3,910.0	2,535.0	4,635.0
VA.....	1.3	1.4	1.8	1.3	1.3	1.8	443	554	373	1.2	1.5	1.4
US.....	10,600.6	9,933.1	10,269.3	10,145.4	8,357.3	9,898.7	628	547	702	13,277.1	9,525.2	14,475.3
American-Pima:												
AZ.....	56.5	74.0	91.0	56.3	73.8	90.8	927	965	1,126	108.7	148.3	213.0
CA.....			9			9			1,173			2.2
NM.....	8.0	11.1	14.0	7.9	11.1	13.9	687	718	642	11.3	16.6	18.6
TX.....	19.5	26.4	32.0	19.4	26.2	31.0	868	751	787	35.1	41.0	50.8
US.....	84.0	111.5	137.9	83.6	111.1	136.6	891	890	1,000	155.1	205.9	284.6
US, all....	10,684.6	10,044.6	10,407.2	10,229.0	8,468.4	10,035.3	630	552	706	13,432.2	9,731.1	14,759.9

<sup>1</sup> Production ginned and to be ginned.<sup>2</sup> Preliminary.<sup>3</sup> 480-pound net weight bales.

National Agricultural Statistics Service.

Table 83.—Cotton, American upland: Estimated percentage of the crop forward contracted by growers, by States, 1980–87

State	Crop of—							
	1980	1981	1982	1983	1984	1985	1986	1987
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
AL.....	32	6	13	22	26	19	9	22
AZ.....	46	7	21	19	9	5	25	25
AR.....	62	16	18	24	40	10	11	81
CA.....	45	12	17	60	49	23	81	77
GA.....	14	10	7	18	31	8	4	35
LA.....	41	8	18	21	23	3		20
MS.....	80	28	21	28	31	17	6	44
MO.....	79	26	25	38	53	( <sup>1</sup> )	25	93
NM.....	7	1	( <sup>1</sup> )		1	2		58
NC.....	43	8	17	28	36			45
OK.....	4		1		24	( <sup>1</sup> )	13	33
SC.....	57	24	39	62	53	20		44
TN.....	46	9	28	33	35	4	2	67
TX.....	22	8	5	7	19	5	5	23
US.....	35	10	12	21	27	9	15	39

<sup>1</sup> Less than 0.5 percent.

Agricultural Marketing Service.



**Table 84.—Cotton: Production, season average price per pound, and value, by States, 1985-87**

State	Production <sup>1</sup>			Price for crop of—			Value of production		
	1985	1986	1987 <sup>2</sup>	1985 <sup>3</sup>	1986 <sup>2</sup>	1987 <sup>4</sup>	1985 <sup>3</sup>	1986 <sup>3</sup>	1987 <sup>4</sup>
	1,000 bales <sup>5</sup>	1,000 bales <sup>5</sup>	1,000 bales <sup>5</sup>	Cents	Cents	Cents	1,000 dollars	1,000 dollars	1,000 dollars
Upland:	545.0	390.0	397.0	55.6	52.1	65.1	145,540	82,526	124,055
AL.....	928.0	675.0	849.0	57.4	54.3	64.5	255,683	175,932	262,850
AZ.....	703.0	602.0	901.0	56.6	49.7	52.8	190,991	143,613	271,597
CA.....	3,114.0	2,245.0	2,989.0	61.4	59.1	69.1	917,758	636,862	991,392
FL.....	32.5	28.0	39.0	52.0	50.0	63.0	8,112	6,720	11,794
GA.....	370.0	185.0	338.0	54.8	58.3	62.4	97,325	51,770	101,238
KS.....	4	.7	.9	46.9	43.4	59.1	90	146	255
LA.....	742.0	673.0	977.0	55.7	49.8	63.1	198,381	160,874	295,914
MS.....	1,655.0	1,190.0	1,745.0	56.6	50.9	62.5	449,630	290,741	523,500
MO.....	204.0	196.0	330.0	56.8	51.5	66.0	55,619	48,451	104,544
NM.....	71.0	62.0	89.0	56.6	56.0	66.5	19,289	16,666	28,409
NC.....	117.0	109.0	98.0	55.1	52.1	62.0	30,944	27,259	29,165
OK.....	285.0	210.0	346.0	49.3	49.0	59.1	67,422	43,747	98,153
SC.....	180.0	87.0	106.0	57.3	49.0	59.1	49,507	20,462	30,070
TN.....	419.0	396.0	634.0	54.5	49.0	63.3	109,610	93,139	192,635
TX.....	3,910.0	2,535.0	4,635.0	52.3	46.1	60.2	981,566	560,945	1,339,330
VA.....	1.2	1.5	1.4	55.0	52.1	62.0	317	375	417
US.....	13,277.1	9,525.2	14,475.3	56.1	51.5	63.5	3,577,714	2,360,228	4,405,318
American-Pima:									
AZ.....	108.7	148.3	213.0	87.3	89.2	103.0	45,550	63,496	105,307
CA.....			2.2			103.0			1,088
NM.....	11.3	16.6	18.6	98.3	90.4	106.0	5,332	7,203	9,464
TX.....	35.1	41.0	50.8	99.8	93.4	106.0	16,814	18,184	25,847
US.....	155.1	205.9	284.6	90.9	89.9	103.7	67,696	88,883	141,706
US, all.....	13,432.2	9,731.1	14,759.9	56.5	52.4	64.2	3,645,410	2,449,111	4,547,024

<sup>1</sup> Production ginned and to be ginned. <sup>2</sup> Preliminary. <sup>3</sup> Includes allowance for unredeemed loans. <sup>4</sup> Average to Apr. 1, 1988 with no allowance for unredeemed loans. <sup>5</sup> 480-pound net weight bales.

National Agricultural Statistics Service.

**Table 85.—Cotton, American upland: Price-support operations, United States, 1973-88**

Year beginning August	Support price <sup>1 2</sup>		Put under support <sup>4</sup>		Acquired by CCC under support <sup>5</sup>	Owned by CCC July 31
	Per pound	Percentage of parity <sup>3</sup>	Quantity	Percentage of production		
	Cents	Percent	1,000 bales <sup>6</sup>	Percent	1,000 bales <sup>6</sup>	1,000 bales <sup>6</sup>
1973.....	41.52	65	1,736	13.9	( <sup>7</sup> )	0
1974.....	<sup>8</sup> 38.00		2,420	21.5	( <sup>7</sup> )	0
1975.....	<sup>8</sup> 38.00		691	8.5	( <sup>7</sup> )	0
1976.....	<sup>8</sup> 43.20		941	9.2	( <sup>7</sup> )	0
1977.....	<sup>8</sup> 47.80		4,518	31.6	2	( <sup>7</sup> )
1978.....	<sup>8</sup> 52.00		1,524	14.2	( <sup>7</sup> )	( <sup>7</sup> )
1979.....	<sup>8</sup> 57.70		1,720	11.8	( <sup>7</sup> )	( <sup>7</sup> )
1980.....	<sup>8</sup> 58.40		2,276	20.7	22	( <sup>7</sup> )
1981.....	<sup>8</sup> 70.87		6,028	38.7	931	1
1982.....	<sup>8</sup> 71.00		5,003	42.2	786	397
1983.....	<sup>8</sup> 76.00		1,743	22.7	0	158
1984.....	<sup>8</sup> 81.00		2,957	23.0	649	123
1985.....	<sup>8</sup> 81.00		7,289	54.9	<sup>9</sup> 158	767
1986.....	<sup>8</sup> 81.00		<sup>9</sup> 6,168	64.8	<sup>9</sup> 7	73
1987.....	<sup>8</sup> 79.40		<sup>9</sup> 5,350	<sup>9</sup> 37.0	<sup>9</sup> 0	<sup>9</sup> 0
1988.....	75.90					

<sup>1</sup> Average of the crop from 1966 through 1970; Middling 1-inch, micronaire 3.5-4.9, net weight for 1971 through 1973, established "target" price for 1974 and succeeding years. <sup>2</sup> Includes price-support payments as follows: On production from area planted within the farm base area allotment, 15 cents in 1973. <sup>3</sup> Percentage of parity price as of the beginning of the marketing year. <sup>4</sup> Includes loans made. <sup>5</sup> Acquisitions from crop harvested in the year indicated and not acquisitions during that year. <sup>6</sup> Running bales. <sup>7</sup> Less than 500 bales. <sup>8</sup> Established price or "target" price. If the average market price is below the target price, eligible producers will receive payment at a rate equal to the difference between the target price and the higher of the loan level or the average market price. No payments were made on the 1973-80 crops. <sup>9</sup> Estimated.

Agricultural Stabilization and Conservation Service.

Table 86.—Cotton: Area, yield, and production in specified countries, 1985–87<sup>1</sup>

Continent and country	Area			Yield per hectare			Production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Kilo- grams	Kilo- grams	Kilo- grams	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>
<b>North and Central America:</b>									
United States.....	4,140	3,427	4,061	706	618	791	13,432	9,731	14,760
El Salvador.....	27	13	13	669	787	687	83	47	41
Guatemala.....	66	31	42	802	913	1,037	243	130	200
Honduras.....	7	4	5	684	762	653	22	14	15
Mexico.....	213	150	230	992	914	947	970	630	1,000
Nicaragua.....	87	65	59	576	630	627	230	188	170
Other incl. Caribbean.....	23	23	23	265	246	246	28	26	28
<b>Total.....</b>	<b>4,563</b>	<b>3,713</b>	<b>4,433</b>	<b>716</b>	<b>631</b>	<b>796</b>	<b>15,008</b>	<b>10,766</b>	<b>16,214</b>
<b>South America:</b>									
Argentina.....	320	330	500	372	318	435	547	482	1,000
Bolivia.....	11	8	9	336	272	411	17	10	17
Brazil.....	2,290	2,165	2,495	362	303	287	3,812	3,008	3,284
Colombia.....	184	176	229	625	610	635	531	493	668
Ecuador.....	15	13	18	421	368	484	29	22	40
Paraguay.....	330	275	400	318	313	414	482	395	760
Peru.....	164	116	136	640	625	632	482	333	395
Venezuela.....	60	50	59	414	353	480	114	81	130
<b>Total.....</b>	<b>3,374</b>	<b>3,133</b>	<b>3,846</b>	<b>388</b>	<b>335</b>	<b>356</b>	<b>6,014</b>	<b>4,824</b>	<b>6,294</b>
<b>Europe:</b>									
Greece.....	203	205	202	828	1,025	832	772	965	772
Italy.....	3	3	3	218	218	218	3	3	3
Spain.....	64	77	80	1,072	1,052	1,048	315	372	385
Bulgaria.....	14	14	14	327	327	327	21	21	20
Yugoslavia.....	1	1	1	435	218	218	2	1	1
Other Europe.....	28	28	28	272	272	272	35	35	35
<b>Total.....</b>	<b>313</b>	<b>328</b>	<b>328</b>	<b>799</b>	<b>927</b>	<b>807</b>	<b>1,148</b>	<b>1,397</b>	<b>1,216</b>
<b>Soviet Union.....</b>	<b>3,316</b>	<b>3,475</b>	<b>3,527</b>	<b>839</b>	<b>762</b>	<b>698</b>	<b>12,777</b>	<b>12,157</b>	<b>11,300</b>
<b>Africa:</b>									
Angola.....	25	25	25	174	174	174	20	20	20
Cameroon.....	89	94	95	516	517	426	211	223	186
Central African Rep.....	80	80	80	166	120	93	61	44	34
Chad.....	148	135	140	262	252	300	178	156	193
Zaire.....	66	78	78	119	112	112	36	40	40
Kenya.....	138	138	138	54	55	55	34	35	35
Malawi.....	50	30	50	213	196	218	49	27	50
Morocco.....	13	14	15	586	591	697	35	38	48
Mozambique.....	142	142	135	120	123	113	78	80	70
Nigeria.....	220	285	400	46	99	60	46	129	110
Zimbabwe.....	220	240	260	374	363	410	378	400	490
South Africa.....	126	186	185	368	316	382	213	270	325
Sudan.....	330	350	321	430	471	464	652	757	684
Tanzania.....	335	440	460	126	162	179	194	328	378
Uganda.....	200	200	260	71	61	71	65	55	85
Egypt.....	454	443	412	959	895	856	1,999	1,822	1,620
Other Africa.....	730	752	822	456	491	479	1,469	1,748	1,741
<b>Total.....</b>	<b>3,366</b>	<b>3,632</b>	<b>3,876</b>	<b>371</b>	<b>364</b>	<b>343</b>	<b>5,718</b>	<b>6,172</b>	<b>6,109</b>
<b>Asia, Mid-East, and Oceania:</b>									
Afghanistan.....	50	50	50	435	435	435	100	100	100
Australia.....	177	148	215	1,458	1,452	1,165	1,185	987	1,150
Burma.....	250	250	250	174	174	174	200	200	200
China.....	5,140	4,306	4,910	805	824	865	19,000	16,300	19,500
India.....	7,581	7,280	7,500	240	222	203	8,355	7,418	7,000
Iran.....	189	188	190	555	591	602	482	510	525
Iraq.....	65	65	65	218	218	218	65	65	65
Israel.....	65	46	40	1,524	1,458	1,497	455	308	275
Korea, Rep. of.....	2	1	1	327	435	218	3	2	1
Pakistan.....	2,366	2,505	2,513	522	527	585	5,669	6,060	6,750
Yemen (Aden).....	16	16	16	340	340	340	25	25	25
Syria.....	170	144	128	952	874	765	743	578	450
Thailand.....	83	50	65	409	379	385	156	87	115
Turkey.....	660	585	583	785	885	897	2,379	2,379	2,402
Other Asia.....	115	95	101	248	257	254	131	112	118
<b>Total.....</b>	<b>16,929</b>	<b>15,729</b>	<b>16,627</b>	<b>501</b>	<b>486</b>	<b>506</b>	<b>38,948</b>	<b>35,131</b>	<b>38,676</b>
<b>World total.....</b>	<b>31,861</b>	<b>30,010</b>	<b>32,637</b>	<b>544</b>	<b>511</b>	<b>532</b>	<b>79,613</b>	<b>70,447</b>	<b>78,809</b>

See footnotes on page 65.

Table 87.—Cotton: Supply and distribution, United States, 1973-87

Year beginning August	Supply					Distribution				
	Beginning of season		Ginnings in season <sup>1</sup>	Im-ports <sup>2</sup>	Total supply	Consumption		Exports	Carryover, end of season	
	Foreign	Total				Foreign	Total <sup>3</sup>		Foreign	Total
	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	1,000 bales <sup>4</sup>	
1973	13	3,929	12,773	48	16,750	33	7,172	5,746	11	3,743
1974	11	3,743	11,224	34	15,000	21	5,629	3,746	17	5,481
1975	17	5,481	8,174	92	13,746	23	6,986	3,178	48	3,594
1976	48	3,594	10,395	38	14,027	35	6,478	4,565	13	2,920
1977	13	2,920	14,076	5	17,002	12	6,236	5,219	6	5,326
1978	6	5,326	10,478	4	15,808	4	6,098	5,850	4	3,782
1979	4	3,782	14,389	5	18,177	3	6,261	8,779	2	3,027
1980	2	3,027	10,671	27	13,726	2	5,664	5,639	1	2,595
1981	1	2,595	15,146	26	17,767	(5)	5,043	6,263	2	6,399
1982	2	6,399	11,488	2	17,890	5	5,259	4,961	1	7,561
1983	1	7,561	7,665	9	15,235	(5)	5,628	6,419	1	2,906
1984	1	2,906	12,452	21	15,379	(5)	5,268	5,943	(9)	4,088
1985	(9)	4,088	13,063	28	17,179	(5)	6,198	1,875	(6)	9,041
1986	(9)	9,041	9,294	3	18,337	(5)	7,096	6,366	(9)	4,797
1987 <sup>7</sup>		4,797								

<sup>1</sup> Ginnings during the 12 months, Aug. 1-July 31. Includes an allowance for "city crop" which consists of rebaled samples and pickings from cotton damaged by fire and weather. <sup>2</sup> Total imports minus re-exports. <sup>3</sup> Adjusted to marketing year. <sup>4</sup> Equivalent running bales. <sup>5</sup> Data withheld to avoid disclosing figures for individual companies. <sup>6</sup> Less than 500 bales. <sup>7</sup> Preliminary.

Agricultural Marketing Service. Compiled from reports of the Bureau of the Census.

Table 88.—Cotton: Mill consumption, by growths, United States, 1973-86

Year beginning August	Domestic			Foreign				All growths
	Upland	American Pima <sup>1</sup>	Total	Egyptian	Indian	Other	Total	
	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>	Bales <sup>2</sup>
1973	7,069,451	69,894	7,139,345	12,905	16,534	3,347	32,786	7,172,131
1974	5,559,862	48,519	5,608,381	8,857	7,808	4,192	20,857	5,629,238
1975	6,888,486	74,137	6,962,623	12,317	9,966	702	22,985	6,985,608
1976	6,394,429	48,407	6,442,836	(*)	(*)	(*)	34,888	6,477,724
1977	6,170,934	53,246	6,224,180	(*)	(*)	(*)	11,698	6,235,878
1978	6,031,854	62,146	6,094,000	(*)	(*)	(*)	4,143	6,098,143
1979	6,196,192	61,843	6,258,035	(*)	(*)	(*)	2,717	6,260,752
1980	5,601,874	59,375	5,661,249	(*)	(*)	(*)	2,375	5,663,624
1981	4,998,461	44,670	5,043,131	(*)	(*)	(*)	(*)	5,043,131
1982	5,205,024	48,525	5,253,549	(*)	(*)	(*)	5,046	5,258,595
1983	5,564,206	64,130	5,628,336	(*)	(*)	(*)	(*)	5,628,336
1984	5,221,480	46,272	5,267,752	(*)	(*)	(*)	(*)	5,267,752
1985	6,138,579	59,094	6,197,673	(*)	(*)	(*)	(*)	6,197,673
1986	7,031,918	64,070	7,095,988	(*)	(*)	(*)	(*)	7,095,988

<sup>1</sup> Includes Sea Island cotton.

<sup>2</sup> Equivalent running bales.

<sup>3</sup> Not reported separately.

Agricultural Marketing Service. Compiled from reports of the Bureau of the Census.

## FOOTNOTES FOR TABLE 86

<sup>1</sup> Harvest season beginning Aug. 1.

<sup>2</sup> Preliminary.

<sup>3</sup> 480-pound net weight.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 89.—Cotton, American upland: Carryover and crop, running bales, by grade groupings, United States, 1978-87**

Year beginning August	White <sup>1</sup>						Light Spotted				Other Colored <sup>2</sup>	All grades <sup>3</sup>	
	11	21	31	41	51	61 and 71	22 and higher	32	42	52 and lower			
	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	
<b>Carryover:</b>													
1978.....	(*)	74	716	1,806	827	129	20	584	657	198	247	5,258	
1979.....		21	259	1,415	601	90	7	288	621	214	213	3,730	
1980.....	(*)	109	463	949	471	63	3	280	320	89	242	2,990	
1981.....	(*)	31	392	877	391	53	1	86	334	151	226	2,542	
1982.....	(*)	56	499	1,279	890	153	4	347	1,394	1,035	652	6,309	
1983.....	(*)	30	340	1,795	1,254	157	14	640	1,765	780	685	7,461	
1984.....	(*)	26	458	899	460	32	7	180	388	182	177	2,811	
1985.....	(*)	102	503	734	693	71	2	103	571	1,018	214	4,011	
1986.....	(*)	63	1,530	2,233	749	50	8	362	1,823	1,501	665	8,984	
1987.....		1	36	589	939	373	5	214	960	749	807	4,709	
<b>Crop:</b>													
1978.....	(*)	33	1,811	4,174	1,490	229	4	529	1,727	635	325	10,459	
1979.....		1	223	3,160	4,531	1,428	13	1,579	1,991	404	647	14,166	
1980.....	(*)	84	2,621	3,047	1,093	185	2	380	1,790	748	775	10,724	
1981.....		1	142	2,570	3,539	1,454	5	721	3,209	2,074	1,110	15,073	
1982.....	(*)	77	1,508	3,434	1,935	230	17	700	1,939	914	676	11,430	
1983.....	(*)	22	1,120	2,404	792	91	3	328	1,086	772	794	7,413	
1984.....		1	261	2,704	2,559	1,360	184	9	406	1,717	2,892	12,419	
1985.....	(*)	113	2,383	3,528	933	67	6	574	2,804	2,135	294	12,837	
1986.....		1	162	2,049	1,742	373	32	4	501	1,947	1,404	1,022	9,237
1987 <sup>5</sup> .....		6	593	3,256	4,483	1,419	124	55	1,177	1,657	672	642	14,083

<sup>1</sup> "Plus" grades included. <sup>2</sup> Includes all grades of Spotted, Tinged, Stained, Light Gray, Gray, and Below Grade.

<sup>3</sup> As reported by the Bureau of the Census. <sup>4</sup> Less than 500 bales. <sup>5</sup> Preliminary.

Agricultural Marketing Service.

**Table 90.—Cotton, American upland: Carryover, crop, supply, and disappearance, running bales, by staple groupings, United States, 1978-87**

Year beginning August	Staple										All staples <sup>1</sup>	
	26 and shorter	28	29	30	31	32	33	34	35	36 and longer		
	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales
<b>Carryover:</b>												
1978.....	( <sup>2</sup> )	4	29	204	442	608	851	1,454	1,298	369	5,258	
1979.....	( <sup>2</sup> )	2	18	109	212	506	734	1,121	780	249	3,730	
1980.....		1	9	29	117	195	373	415	666	853	331	2,990
1981.....		1	8	18	86	120	260	293	701	694	362	2,542
1982.....		2	29	133	500	855	778	532	1,381	1,569	580	6,309
1983.....		1	21	85	485	890	598	477	1,115	2,224	1,564	7,461
1984.....	( <sup>2</sup> )		1	7	56	135	233	255	664	910	550	2,811
1985.....		2	32	74	218	309	270	231	639	1,079	1,157	4,011
1986.....		8	57	185	488	778	754	613	1,064	2,423	2,613	8,984
1987.....	( <sup>2</sup> )		10	15	86	108	250	467	1,070	1,727	976	4,709
<b>Crop:</b>												
1978.....		1	9	89	432	877	1,335	1,090	2,497	3,113	1,017	10,459
1979.....		4	24	126	650	1,453	1,775	1,239	1,462	4,378	3,056	14,166
1980.....		7	51	164	452	798	1,040	903	1,670	3,318	2,322	10,724
1981.....		2	25	155	805	1,924	1,700	1,124	2,725	4,419	2,194	15,073
1982.....		2	16	78	412	935	676	454	985	3,509	4,362	11,430
1983.....		3	22	65	251	482	471	513	1,012	2,531	2,063	7,413
1984.....		7	45	122	414	761	719	715	1,149	2,858	5,630	12,419
1985.....	( <sup>2</sup> )		5	38	234	825	889	883	1,679	4,182	4,101	12,837
1986.....	( <sup>2</sup> )		2	13	58	226	491	1,058	1,859	3,184	2,346	9,237
1987 <sup>3</sup> .....		1	4	18	71	277	698	1,505	2,643	5,119	3,748	14,083

<sup>1</sup> As reported by the Bureau of the Census. <sup>2</sup> Less than 500 bales. <sup>3</sup> Preliminary.

Agricultural Marketing Service.

**Table 91.—Cotton, American Pima: Carryover, 1987, and crop, 1986–87, running bales, by grade and staple, United States**

Year beginning August	Grade					Staple				All grades and all staples <sup>1</sup>
	01 and 02	03	04	05	06 and 07	42 and shorter	44	46	48 and longer	
Carryover:	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>	<i>1,000 bales</i>
1987.....	3.8	17.8	21.4	31.5	14.0	3.5	34.8	49.0	0.7	88.6
Crop:										
1986.....	9.0	112.9	65.3	10.2	3.8	4.3	69.1	126.9	.8	201.1
1987 <sup>2</sup> .....	27.3	131.1	88.6	19.5	8.6	1.2	54.5	219.1	.4	275.1

<sup>1</sup> Bureau of the Census.<sup>2</sup> Preliminary.

Agricultural Marketing Service.

**Table 92.—Cotton, upland: Average staple length of upland cotton ginned, by States, 1982–87**

State	Average staple length (32ds of an inch) <sup>1</sup>					
	1982	1983	1984	1985	1986	1987 <sup>2</sup>
AL.....	34.8	34.5	35.0	35.1	35.1	34.3
AZ.....	34.7	35.1	35.3	35.2	35.2	35.5
AR.....	35.5	35.2	35.7	35.5	35.1	35.1
CA.....	35.7	35.6	36.2	35.9	35.6	35.7
GA.....	35.2	35.3	35.4	35.0	35.3	35.1
LA.....	35.2	35.1	35.8	34.6	34.6	35.0
MS.....	35.5	34.8	35.4	34.9	34.2	34.7
MO.....	35.3	34.9	35.8	35.9	35.7	35.1
NM.....	35.5	36.0	35.9	35.5	36.2	36.0
NC.....	35.6	34.5	35.6	35.5	35.4	35.1
OK.....	32.4	32.3	32.2	32.9	33.3	34.3
SC.....	35.9	34.9	35.8	35.6	35.0	35.1
TN.....	35.2	33.9	34.6	35.0	34.7	34.7
TX.....	31.8	32.7	32.4	32.7	33.3	33.6
Other States.....	34.6	35.2	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
US.....	34.5	34.3	34.7	34.5	34.6	34.6

<sup>1</sup> Average calculated on numerical equivalents of the staple-length designations. For example,  $\frac{3}{8}$ -inch = 28,  $\frac{2}{8}$ -inch = 29, etc. <sup>2</sup> Preliminary. <sup>3</sup> Not available.

Agricultural Marketing Service.

Table 93.—Cotton: International trade, 1981-86 <sup>1</sup>

Country	1981	1982	1983	1984	1985	1986 <sup>2</sup>
	<i>1,000 bales <sup>3</sup></i>	<i>1,000 bales <sup>3</sup></i>	<i>1,000 bales <sup>3</sup></i>	<i>1,000 bales <sup>3</sup></i>	<i>1,000 bales <sup>3</sup></i>	<i>1,000 bales <sup>3</sup></i>
<b>Principal exporting countries:</b>						
Mexico.....	756	395	475	575	380	235
Nicaragua.....	265	341	300	250	207	175
United States.....	6,567	5,207	6,786	6,215	1,960	6,684
Brazil.....	138	1,021	80	354	358	303
Peru.....	276	288	50	140	115	75
Greece.....	86	43	235	161	73	365
Soviet Union.....	4,295	3,890	3,202	2,920	3,170	3,365
China.....	0	75	800	1,260	2,822	3,169
Pakistan.....	1,097	1,273	377	1,261	3,148	2,884
Syria.....	360	510	700	473	460	273
Turkey.....	956	654	499	684	322	509
Egypt.....	898	920	780	560	837	598
Sudan.....	269	640	1,004	590	571	900
Tanzania.....	167	110	133	140	129	170
Uganda.....	14	81	28	42	43	43
<b>Total.....</b>	<b>16,144</b>	<b>15,448</b>	<b>15,449</b>	<b>15,625</b>	<b>14,595</b>	<b>19,748</b>
<b>Principal importing countries:</b>						
Canada.....	190	248	243	216	287	151
Austria.....	96	101	106	101	96	115
Belgium.....	172	162	157	184	184	254
France.....	925	870	775	730	692	775
Germany, Fed. Rep. of.....	894	1,039	988	1,069	987	1,400
Italy.....	1,001	1,078	1,150	1,162	1,194	1,545
Netherlands.....	78	51	43	46	56	48
Poland.....	719	651	673	746	710	600
Portugal.....	569	605	668	734	781	917
Spain.....	140	276	368	346	369	550
Sweden.....	16	24	25	25	25	25
Switzerland.....	247	272	255	254	292	300
United Kingdom.....	227	258	217	262	248	240
Hong Kong.....	699	780	997	851	1,096	1,508
South Korea.....	1,496	1,562	1,602	1,601	1,682	1,901
Japan.....	3,504	3,137	3,338	3,123	3,054	3,688
<b>Total.....</b>	<b>10,973</b>	<b>11,114</b>	<b>11,605</b>	<b>11,450</b>	<b>11,753</b>	<b>14,017</b>

<sup>1</sup> Crop year beginning Aug. 1. <sup>2</sup> Preliminary. <sup>3</sup> 480-pound net weight.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 94.—Cotton: United States exports, by country of destination, 1984-86

Country of destination	Year beginning August			Country of destination	Year beginning August		
	1984	1985	1986		1984	1985	1986
	<i>1,000 bales</i> <sup>1</sup>	<i>1,000 bales</i> <sup>1</sup>	<i>1,000 bales</i> <sup>1</sup>		<i>1,000 bales</i> <sup>1</sup>	<i>1,000 bales</i> <sup>1</sup>	<i>1,000 bales</i> <sup>1</sup>
Austria.....	3	( <sup>2</sup> )	( <sup>2</sup> )	Australia.....	7	1	0
Belgium/Luxembourg.....	64	13	45	Canada.....	195	98	70
Denmark.....	3	2	4	Chile.....	( <sup>2</sup> )	0	0
Finland.....	6	3	20	Colombia.....	2	( <sup>2</sup> )	0
France.....	132	8	114	Egypt.....	126	120	68
Germany, Fed. Rep. of.....	195	85	263	Hong Kong.....	125	1	52
Italy.....	301	91	263	India.....	( <sup>2</sup> )	0	0
Netherlands.....	4	1	3	Indonesia.....	258	105	324
Norway.....	13	10	11	Israel.....	42	4	8
Poland.....	0	( <sup>2</sup> )	4	Japan.....	1,464	520	1,723
Portugal.....	80	7	76	Korea, Rep. of.....	1,257	513	1,330
Spain.....	118	29	60	Pakistan.....	13	2	3
Sweden.....	22	15	15	Philippines.....	58	8	153
Switzerland.....	104	39	62	South Africa.....	2	( <sup>2</sup> )	4
United Kingdom.....	72	35	56	Taiwan.....	513	46	907
Yugoslavia.....	162	55	13	Thailand.....	139	17	239
Other Europe.....	504	62	219	Uruguay.....	( <sup>2</sup> )	0	( <sup>2</sup> )
				Other countries.....	231	71	575
Total Europe.....	1,783	455	1,228	Total.....	4,432	1,506	5,456

<sup>1</sup> 480 pounds net.<sup>2</sup> Less than 500 bales.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce and U.S. Export Sales.

Table 95.—Cotton and cotton linters: United States imports for consumption, by country or origin, 1984-86

Country of origin	Year beginning August			Country of origin	Year beginning August		
	1984	1985	1986		1984	1985	1986
	<i>Bales</i> <sup>1</sup>	<i>Bales</i> <sup>1</sup>	<i>Bales</i> <sup>1</sup>		<i>Bales</i> <sup>1</sup>	<i>Bales</i> <sup>1</sup>	<i>Bales</i> <sup>1</sup>
Cotton, raw:				Cotton linters:			
Egypt.....	3,284	0	220	El Salvador.....	1,447	0	0
India.....	37	0	446	Guatemala.....	4,873	0	2,526
Mexico.....	19,520	32,440	1,727	Mexico.....	30,318	66,975	28,357
Pakistan.....	703	400	188	Brazil.....	55,235	37,382	20,889
Other countries.....	165	55	37	Soviet Union.....	0	0	0
				Other countries.....	49,267	49,233	119,446
Total.....	23,709	32,895	2,618	Total.....	141,140	153,590	171,218

<sup>1</sup> 480 pounds net.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 96.—Cotton, American upland: Percentage distribution of mike readings, by specified groups, United States, 1973-87**

Year beginning August	Mike groups						
	26 and below	27 to 29	30 to 32	33 to 34	35 to 49	50 to 52	53 and above
	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1973.....	0.4	1.1	2.5	2.4	83.5	8.4	1.7
1974.....	2.6	3.7	5.4	4.0	76.5	6.1	1.7
1975.....	3.3	7.9	9.5	5.3	68.7	4.3	1.0
1976.....	1.8	2.8	5.0	4.5	77.2	7.0	2.2
1977.....	1.1	.6	1.9	2.2	80.2	11.4	3.6
1978.....	.2	1.4	4.6	4.7	76.7	9.5	2.9
1979.....	1.8	9.1	11.3	5.6	66.6	4.5	1.1
1980.....	.3	1.7	4.0	3.7	80.3	8.3	1.7
1981.....	1.0	3.6	7.8	5.8	73.5	6.6	1.7
1982.....	.5	1.2	2.7	3.0	87.9	4.0	.7
1983.....	.5	1.7	3.6	3.7	83.7	5.7	1.1
1984.....	2.4	6.2	8.7	5.9	73.2	3.0	.6
1985.....	.4	1.4	3.8	4.6	84.7	4.3	.8
1986.....	2.2	4.2	5.4	4.1	75.3	6.3	2.5
1987 <sup>1</sup> .....	1.4	3.4	6.2	5.5	80.0	3.0	.6

<sup>1</sup> Preliminary.

Agricultural Marketing Service.

**Table 97.—Cotton, American upland: Average spot prices for specified grades of 1½-inch staple in the designated markets for mixed lots, net weight, uncompressed in warehouse, cents per pound, 1973-86**

Year beginning August	White				Light Spotted			Spotted	
	Middling	Strict Low Middling	Low Middling	Strict Low Ordinary	Middling	Strict Low Middling	Low Middling	Middling	Strict Low Middling
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1973.....	69.37	67.10	63.24	54.61	66.74	62.47	55.28	56.29	52.37
1974.....	43.85	41.69	38.48	32.32	41.59	38.51	33.13	34.65	31.48
1975.....	59.37	57.99	55.47	49.90	58.04	55.58	50.98	52.50	49.71
1976.....	72.28	70.88	68.23	63.11	70.94	68.41	63.98	65.04	62.12
1977.....	54.19	52.74	49.73	45.89	52.76	49.89	46.40	47.57	45.03
1978.....	63.23	61.58	57.98	53.39	61.57	58.15	53.91	55.19	52.63
1979.....	72.69	71.48	68.44	61.90	71.42	68.44	62.54	64.14	60.90
1980.....	84.12	82.99	79.20	71.17	82.89	79.27	72.17	74.11	69.94
1981.....	61.86	60.48	54.92	46.43	60.33	55.71	47.63	50.01	45.57
1982.....	64.91	63.08	57.49	49.47	62.87	58.50	50.86	53.19	49.08
1983.....	74.80	73.11	68.58	61.93	72.90	69.63	63.62	65.37	61.64
1984.....	61.72	60.51	54.94	48.29	60.25	55.75	50.14	51.36	47.87
1985.....	61.12	60.01	55.88	48.31	59.89	56.71	50.27	51.67	47.32
1986.....	54.89	53.16	49.64	43.48	53.11	50.71	45.44	46.32	42.70

Agricultural Marketing Service.

**Table 98.—Cotton, American upland: Average spot prices for specified staple lengths of Strict Low Middling in the designated markets for mixed lots, net weight, uncompressed in warehouse, cents per pound, 1973-86**

Year beginning August	Staple							
	28	29	30	31	32	33	34	35
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1973.....	47.18	48.37	49.95	52.64	55.85	64.59	67.10	67.31
1974.....	32.58	33.53	34.88	36.27	37.41	40.02	41.69	41.89
1975.....	49.34	50.07	51.29	52.34	53.49	56.44	57.99	58.18
1976.....	61.86	62.68	63.87	64.66	65.99	69.34	70.88	71.08
1977.....	45.09	45.74	46.79	47.30	48.26	51.27	52.74	52.95
1978.....	51.91	52.49	53.43	54.22	55.23	59.92	61.58	61.89
1979.....	59.03	59.54	60.54	62.08	63.42	69.53	71.48	71.87
1980.....	66.52	67.26	69.74	73.96	75.70	80.95	82.99	83.39
1981.....	47.60	48.14	49.92	52.54	54.13	58.28	60.48	60.89
1982.....	50.27	50.55	52.40	54.89	56.43	60.79	63.08	63.48
1983.....	60.82	61.00	62.53	64.63	66.32	70.71	73.11	73.55
1984.....	50.33	50.54	52.30	54.60	56.04	58.30	60.51	60.95
1985.....	50.16	50.35	52.16	54.41	55.80	57.86	60.01	60.48
1986.....	43.01	43.06	44.76	46.70	47.86	50.78	53.16	53.70

Agricultural Marketing Service.



**Table 99.—Cotton, American upland: High, low, and season average spot prices for the base quality in the designated markets, cents per pound, 1974-86<sup>1</sup>**

Season beginning August	Strict Low Middling 1 <sup>1</sup> / <sub>16</sub> "			Season beginning August	Strict Low Middling 1 <sup>1</sup> / <sub>16</sub> "		
	Average	High	Low		Average	High	Low
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>		<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1974.....	41.69	53.42	34.93	1981.....	60.48	71.31	53.51
1975.....	57.99	86.84	46.74	1982.....	63.08	73.35	57.34
1976.....	70.88	79.36	55.21	1983.....	73.11	81.61	63.79
1977.....	52.74	59.28	47.02	1984.....	60.51	65.46	57.60
1978.....	61.58	67.57	56.46	1985.....	60.01	65.94	55.09
1979.....	71.48	84.82	60.62	1986.....	53.16	76.00	25.94
1980.....	82.99	92.29	72.65				

<sup>1</sup> Prices are for mixed lots, net weight, uncompressed in warehouse.

Agricultural Marketing Service.

**Table 100.—Cotton, American upland: Season average spot prices for the base quality, by designated markets, cents per pound, 1977-86<sup>1</sup>**

Market	Strict Low Middling 1 <sup>1</sup> / <sub>16</sub> inches									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Greenville.....	53.33	62.09	73.24	84.54	61.57	63.50	73.28	61.08	60.52	51.66
Augusta.....	53.81	62.50	73.92	85.21	61.87					
Montgomery.....	53.24	61.92	72.57	84.28	61.34	63.50	72.93	60.56	60.17	51.34
Memphis.....	52.75	61.68	72.55	83.81	61.00	63.33	73.25	60.73	60.40	51.70
Greenwood.....	52.75	61.84	72.73	84.30	61.34	63.35	73.14	60.98	60.69	51.99
Dallas.....	50.53	58.33	66.91	80.65	58.32	61.62	70.79	58.94	58.96	51.03
Houston.....	51.58	59.45								
Lubbock.....	50.04	58.27	66.43	79.66	57.96	60.84	70.35	58.93	59.17	51.20
Phoenix.....	52.71	61.98	71.98	81.70	59.93	63.17	74.13	61.57	59.84	55.38
Fresno.....	56.67	67.66	73.76	82.80	61.02	64.49	77.02	61.29	60.35	60.97
Average.....	52.74	61.58	71.48	82.99	60.48	63.08	73.11	60.51	60.01	53.16

<sup>1</sup> Year beginning August. Prices are for mixed lots, net weight, uncompressed in warehouse.

Agricultural Marketing Service.

**Table 101.—Cotton: Average charge per 480-pound net weight bale to farmers for ginning cotton (including bagging and ties), by States, 1981-86 <sup>1</sup>**

Kind of cotton and State	1981	1982	1983	1984	1985	1986
Upland:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	31.79	33.70	36.46	36.27	37.76	37.04
AZ.....	42.91	42.87	43.17	40.16	40.70	40.33
AK.....	35.02	37.61	41.12	40.82	38.94	37.19
CA.....	46.38	48.59	50.15	49.84	48.91	48.62
GA.....	41.91	44.50	43.34	42.93	42.89	42.41
LA.....	31.25	35.32	35.24	38.43	38.46	37.20
MS.....	34.71	36.00	38.54	37.62	36.59	37.16
MO.....	38.40	39.99	41.90	39.49	37.39	39.76
NM.....	48.55	47.02	49.72	51.85	54.26	52.80
NC.....	39.65	44.50	45.40	46.18	45.42	45.83
OK.....	48.83	47.35	46.35	50.15	48.57	50.35
SC.....	38.83	42.75	41.11	41.52	42.97	42.81
TN.....	31.66	33.86	39.50	39.71	38.78	34.69
TX.....	46.69	49.01	50.20	52.48	50.18	52.92
All upland cotton.....	42.90	43.46	45.87	45.64	44.86	44.91
American Pima.....	56.27	59.00	62.00	60.00	61.00	n.a.

<sup>1</sup> Crop year beginning Aug. 1. Includes bagging and ties, drying of seed cotton, and use of lint cleaners. n.a. not available.

Economic Research Service.

**Table 102.—Cotton linters: Supply, distribution, and season average price, United States, 1973-86**

Year beginning August	Supply				Distribution		Price per pound <sup>1</sup>		
	Stocks Aug. 1	Production	Imports	Total	Consumption	Exports	Felting linters		Chemical grade
							High grade	Medium grade	
	<i>1,000 bales</i> <sup>2</sup>	<i>1,000 bales</i> <sup>2</sup>	<i>1,000 bales</i> <sup>3</sup>	<i>1,000 bales</i> <sup>2</sup>	<i>1,000 bales</i> <sup>2</sup>	<i>1,000 bales</i> <sup>4</sup>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1973.....	290	1,332	32	1,654	964	374	11.39	9.04	9.58
1974.....	295	1,270	23	1,588	888	217	9.34	6.27	8.83
1975.....	487	847	25	1,360	838	182	9.30	6.56	4.25
1976.....	445	983	70	1,498	999	210	10.26	7.36	3.75-7.25
1977.....	279	1,174	50	1,504	970	239	9.85	7.12	5.25-6.87
1978.....	282	1,077	60	1,419	980	263	11.92	9.70	7.00-8.60
1979.....	229	1,129	80	1,438	897	276	15.34	12.63	11.56-13.36
1980.....	316	1,097	40	1,452	832	261	14.46	9.52	9.00-11.82
1981.....	356	1,210	22	1,588	823	267	13.28	7.88	6.04-9.25
1982.....	476	1,029	23	1,524	812	277	12.75	8.50	5.42-9.83
1983 <sup>5</sup> .....	287	699	77	1,063	783	106	33.77	28.68	22.10-26.85
1984.....	215	955	107	1,277	737	141	18.36	13.30	10.68-16.11
1985.....	315	936	116	1,367	710	119	* 15.35	* 9.84	* 5.70-8.05
1986 <sup>6</sup> .....	509								

<sup>1</sup> Uncompressed in carload lots, f.o.b. mill points.

<sup>2</sup> Running bales.

<sup>3</sup> Imports are in 500 pound gross weight bales prior to 1982 and in 634 pound equivalent bales thereafter.

<sup>4</sup> Exports are in running bales prior to 1982 and in 634 pound equivalent bales thereafter.

<sup>5</sup> Ten-month average, Aug. 1985 thru May 1986.

<sup>6</sup> Preliminary.

Agricultural Marketing Service. Supply and distribution figures compiled from reports of the Bureau of the Census.

Table 103.—Cotton: Supply and distribution, by countries, 1986-87

Country	Begin- ning stocks Aug. 1 <sup>1</sup>	Produc- tion	Imports	Total supply	Consump- tion <sup>2</sup>	Exports	Ending stocks July 31 <sup>1</sup>	Total distribu- tion
	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>
Exporting countries:								
Mexico .....	109	630	180	919	580	235	99	919
Nicaragua .....	91	188	0	279	20	175	84	279
El Salvador .....	61	47	25	133	58	65	10	133
Guatemala .....	34	130	10	174	95	40	39	174
Argentina .....	251	482	102	835	575	68	171	835
Brazil .....	3,277	3,008	243	6,528	3,285	303	2,940	6,528
Colombia .....	141	510	2	653	245	275	128	653
Paraguay .....	149	395	0	544	37	350	148	544
Peru .....	485	333	0	818	370	75	373	818
Honduras .....	15	14	7	36	8	10	18	36
Angola .....	7	20	0	27	15	5	7	27
Central African Republic .....	21	44	0	65	15	35	15	65
Cameroon .....	40	223	0	263	45	150	68	263
Malawi .....	26	27	0	53	20	15	18	53
Zimbabwe .....	99	420	0	519	130	275	100	519
Sudan .....	967	693	0	1,660	82	900	678	1,660
Uganda .....	23	55	0	78	20	43	15	78
Egypt .....	2	1,822	68	1,892	1,290	598	4	1,892
Tanzania .....	162	328	0	490	97	170	223	490
Mozambique .....	37	80	0	117	35	40	42	117
Other Africa .....	367	1,972	0	2,339	294	1,557	488	2,339
Afghanistan .....	37	100	0	137	60	40	37	137
Iran .....	258	510	0	768	572	62	134	768
Israel .....	222	308	46	576	60	260	242	576
Pakistan .....	896	6,060	2	6,958	2,990	2,884	911	6,958
Syria .....	120	578	0	698	296	273	129	698
Turkey .....	434	2,379	427	3,240	2,227	509	481	3,240
Other Asia .....	10	65	0	75	21	44	10	75
Australia .....	700	987	3	1,690	102	1,180	408	1,690
United States .....	9,348	19,731	53	19,082	7,452	6,884	5,026	19,082
Soviet Union .....	2,260	12,157	368	14,785	9,350	3,265	2,070	14,785
China .....	17,925	16,300	2	34,227	20,200	3,169	10,858	34,227
India .....	2,935	7,418	0	10,353	7,847	1,130	1,376	10,353
Total exporting countries .....	41,469	67,791	1,488	110,748	58,448	24,830	27,282	110,748

See footnotes at end of table.

Table 103.—Cotton: Supply and distribution, by countries, 1986-87—Continued

Country	Begin- ning stocks Aug. 1 <sup>1</sup>	Produc- tion	Imports	Total supply	Consump- tion <sup>2</sup>	Exports	Ending stocks July 31 <sup>1</sup>	Total distribu- tion
	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>	1,000 bales <sup>3</sup>
Importing countries:								
Canada.....	65	0	151	216	200	0	16	216
Chile.....	19	0	70	89	60	0	29	89
Other Western Hemisphere.....	157	139	327	623	482	3	138	623
Austria.....	9	0	115	124	106	5	13	124
Belgium.....	39	0	254	293	225	0	68	293
Finland.....	18	0	50	68	45	0	23	68
France.....	129	0	775	904	710	35	159	904
Germany, Fed. Rep. of.....	281	0	1,400	1,681	1,100	100	481	1,681
Greece.....	301	965	115	1,381	780	365	236	1,381
Italy.....	235	3	1,545	1,783	1,440	5	338	1,783
Netherlands.....	19	0	48	67	48	2	17	67
Portugal.....	167	0	917	1,084	825	0	259	1,084
Spain.....	382	372	550	1,304	650	185	469	1,304
Sweden.....	9	0	25	34	25	0	9	34
Switzerland.....	121	0	300	421	305	1	115	421
United Kingdom.....	53	0	240	293	225	5	63	293
Yugoslavia.....	46	1	487	534	505	0	29	534
Other Europe.....	751	56	3,050	3,857	2,915	160	713	3,857
Hong Kong.....	279	0	1,508	1,787	1,151	352	284	1,787
Japan.....	515	0	3,688	4,203	3,445	0	758	4,203
Korea, Rep. of.....	499	2	1,901	2,402	1,790	1	611	2,402
Philippines.....	45	19	230	294	185	0	109	294
Taiwan.....	606	0	2,357	2,963	1,975	0	988	2,963
Other Asia.....	568	405	3,364	4,337	3,353	53	892	4,337
Ethiopia.....	9	90	0	99	90	0	9	99
Nigeria.....	35	129	101	265	230	0	35	265
South Africa.....	137	270	105	512	365	0	147	512
Other Africa.....	57	220	465	742	620	12	95	742
Total importing countries.....	5,551	2,671	24,138	32,360	23,850	1,284	7,103	32,360
World total.....	47,020	70,462	25,626	143,108	82,298	26,116	34,385	143,108
Foreign (all countries).....	37,672	60,781	25,623	124,026	74,846	19,432	29,359	124,026

<sup>1</sup> Estimates for Southern Hemisphere countries include unginmed cotton.<sup>2</sup> Includes cotton destroyed or unaccounted for.<sup>3</sup> Bales of 480 pounds net (500 pounds gross).<sup>4</sup> Includes pre-season ginnings.<sup>5</sup> Imports for consumptions.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 104.—Sugarbeets: Area, yield, production, season average price per ton received by farmers, value, and sugar production, United States, 1973-87<sup>1</sup>**

Year	Area		Yield per harvested acre	Production	Price <sup>2</sup>	Value of production	Sugar production	
	Planted	Harvested					Raw value	Refined basis <sup>3</sup>
	1,000 acres	1,000 acres	Tons	1,000 tons	Dollars	1,000 dollars	1,000 tons	1,000 tons
1973.....	1,280.1	1,217.5	20.1	24,499	29.60	725,661	3,200	2,990
1974.....	1,251.5	1,212.6	18.2	22,123	46.80	1,035,567	2,916	2,725
1975.....	1,595.0	1,516.6	19.6	29,704	27.60	820,743	4,019	3,756
1976.....	1,525.4	1,478.8	19.9	29,386	21.00	616,813	3,895	3,640
1977.....	1,272.6	1,216.2	20.6	25,007	24.20	604,399	3,108	2,905
1978.....	1,305.4	1,269.2	20.3	25,788	25.20	649,846	3,289	3,074
1979.....	1,160.7	1,119.7	19.6	21,996	33.90	745,273	2,879	2,691
1980.....	1,231.3	1,189.5	19.8	23,502	47.20	1,108,974	3,149	2,943
1981.....	1,251.6	1,228.1	22.4	27,538	29.20	803,569	3,388	3,166
1982.....	1,054.2	1,026.8	20.3	20,894	35.40	740,342	2,737	2,558
1983.....	1,081.4	1,055.8	19.9	20,992	37.00	777,718	2,699	2,522
1984.....	1,123.6	1,096.3	20.2	22,134	33.90	750,162	2,905	2,715
1985.....	1,124.5	1,102.5	20.4	22,529	33.80	761,236	3,033	2,835
1986.....	1,231.5	1,191.2	21.1	25,162	35.90	902,199	3,281	3,066
1987 <sup>4</sup> .....	1,265.7	1,251.4	22.3	27,937	.....	.....	3,333	3,115

<sup>1</sup> Relates to year of intended harvest except for overwintered spring planted beets in California.<sup>2</sup> Prices do not include Government payments under the Sugar Act.<sup>3</sup> Calculated on the basis that 1.07 tons of raw sugar is required to produce one ton of refined sugar.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 105.—Sugarbeets: Area, yield, and production, by States, 1985-87<sup>1</sup>**

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
CA.....	206.0	192.0	222.0	203.0	188.0	219.0	23.0	25.7	27.7	4,669	4,832	6,066
CO.....	2.9	37.8	37.4	2.5	37.2	37.0	18.5	23.9	21.7	46	889	803
ID.....	153.0	161.0	163.0	152.0	160.0	162.0	23.0	25.7	26.1	3,496	4,112	4,228
MI.....	124.0	137.0	144.0	118.0	110.0	142.0	19.7	20.8	20.5	2,325	2,288	2,911
MN.....	273.0	315.0	311.0	276.0	311.0	310.0	18.4	16.7	20.0	5,088	5,194	6,200
MT.....	43.5	47.2	49.2	42.7	46.8	48.9	19.0	21.7	22.2	811	1,016	1,086
NE.....	59.1	59.9	61.6	53.2	59.0	60.2	23.1	23.5	18.3	1,229	1,387	1,102
NM.....	.....	.....	6	.....	.....	2	.....	.....	10.0	.....	.....	2
ND.....	144.8	164.8	163.3	144.2	163.8	161.3	16.8	17.9	19.6	2,423	2,932	3,161
OH.....	13.1	15.6	16.8	12.7	15.0	16.2	20.3	20.6	16.5	258	309	267
OR.....	11.9	13.0	13.9	11.8	12.9	13.7	27.0	29.0	31.0	319	374	425
TX.....	38.0	37.2	32.8	37.0	37.0	31.5	22.5	22.4	19.7	833	829	621
WY.....	50.2	51.0	54.1	49.4	50.5	53.4	20.9	19.8	21.1	1,032	1,000	1,127
US.....	1,124.5	1,231.5	1,265.7	1,102.5	1,191.2	1,251.4	20.4	21.1	22.3	22,529	25,162	27,937

<sup>1</sup> Relates to year of intended harvest except for overwintered spring planted beets in California.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 106.—Sugarbeets: Production and value, by States, crop of 1986 <sup>1</sup>

State	Production	Season average price per ton received by farmers	Value of production	State	Production	Season average price per ton received by farmers	Value of production
	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
CA.....	4,832	35.70	172,502	ND.....	2,932	39.30	115,228
CO.....	889	32.90	29,248	OH.....	309	29.80	9,208
ID.....	4,112	36.40	149,677	OR.....	374	34.20	12,791
MI.....	2,288	30.00	68,640	TX.....	829	24.00	19,896
MN.....	5,194	39.20	203,605	WY.....	1,000	36.60	36,600
MT.....	1,016	39.10	39,726	US.....	25,162	35.90	902,199
NE.....	1,387	32.50	45,078				

<sup>1</sup> Relates to year of intended harvest except for overwintered spring planted beets in California. National Agricultural Statistics Service.

Table 107.—Sugarbeet seed: Area, yield, production, average price per pound received by farmers, and value, United States, 1973-87

Year	Area harvested	Yield per acre	Production	Average price per pound received by farmers	Value of production
	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>	<i>Cents</i>	<i>1,000 dollars</i>
1973.....	2,832	2,968	84,059	20.28	1,705
1974.....	1,983	2,556	50,685	21.67	1,099
1975.....	4,625	2,437	112,729	34.46	3,885
1976.....	6,748	2,630	177,494	38.55	6,842
1977.....	4,915	2,726	133,985	38.26	5,126
1978.....	3,153	2,266	71,443	37.12	2,652
1979.....	3,074	2,374	72,964	36.00	2,627
1980.....	3,329	2,439	81,218	38.00	3,086
1981.....	6,442	2,675	172,324	41.36	7,128
1982.....	5,923	2,989	177,061	44.34	7,851
1983.....	4,355	2,390	104,091	45.23	4,708
1984.....	4,204	2,426	101,973	46.60	4,752
1985.....	4,957	2,848	141,166	47.87	6,757
1986.....	4,442	2,997	133,133	49.26	6,558
1987.....	3,913	3,139	122,846	48.29	5,932

Science and Education Administration. Data on domestic production compiled from reports furnished by beet sugar companies and their subsidiaries, and by others engaged in sugarbeet seed production.

## SUGARBEETS

77

Table 108.—Sugarbeets: Area, yield, and production in specified countries, 1985/86-1987/88

Continent and country	Area harvested			Yield per hectare			Production <sup>2</sup>		
	1985/86	1986/87	1987/88 <sup>1</sup>	1985/86	1986/87	1987/88 <sup>1</sup>	1985/86	1986/87	1987/88 <sup>1</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Canada.....	23	23	23	41.1	41.1	43.0	945	945	989
United States.....	446	482	508	45.8	47.5	50.0	20,438	22,885	25,400
Total.....	469	505	531	45.6	47.2	49.7	21,383	23,830	26,389
<b>South America:</b>									
Chile.....	42	81	57	53.9	39.3	53.4	2,262	3,171	3,046
Uruguay.....	9	8	8	31.4	33.8	32.5	283	270	260
Total.....	51	89	65	49.9	38.6	50.9	2,545	3,441	3,306
<b>Europe:</b>									
Belgium and Luxembourg.....	125	118	112	51.2	53.0	53.7	6,405	6,252	6,010
Denmark.....	73	70	68	48.2	45.6	44.9	3,515	3,195	3,050
France.....	464	421	421	51.2	50.8	57.5	23,764	21,987	24,199
Germany, Fed. Rep. of.....	415	399	384	50.1	50.7	49.6	20,773	20,233	19,049
Greece.....	43	44	28	60.7	58.2	59.0	2,609	2,562	1,652
Ireland.....	33	36	37	39.7	35.4	45.9	1,309	1,274	1,625
Italy.....	225	277	283	40.7	53.2	52.9	9,160	14,735	14,970
Netherlands.....	131	138	128	48.4	55.8	54.1	6,335	7,707	6,920
United Kingdom.....	202	202	201	38.0	40.2	39.8	7,676	8,120	8,000
Total EC.....	1,711	1,705	1,662	47.5	50.1	51.4	81,546	85,465	85,473
Austria.....	43	28	39	56.0	56.1	54.6	2,407	1,571	2,128
Finland.....	30	31	30	23.5	27.2	15.4	704	843	461
Portugal.....	1	1	1	70.0	40.0	21.0	70	40	21
Spain.....	162	180	168	42.4	42.8	46.0	6,861	7,701	7,729
Sweden.....	51	51	51	42.3	42.9	34.2	2,159	2,188	1,742
Switzerland.....	15	14	15	52.7	54.4	55.0	790	762	825
Total Western Europe..	302	305	304	43.0	43.0	42.5	12,991	13,105	12,906
Albania.....	10	10	10	26.5	26.5	26.5	265	265	265
Bulgaria.....	53	53	53	26.4	26.4	26.4	1,400	1,400	1,400
Czechoslovakia.....	208	208	208	36.1	36.1	36.1	7,500	7,500	7,500
German Dem. Rep.....	231	205	219	31.5	34.4	35.1	7,287	7,052	7,683
Hungary.....	107	95	105	37.5	37.0	38.1	4,015	3,515	4,000
Poland.....	436	423	422	33.6	33.6	33.3	14,664	14,217	14,040
Romania.....	265	270	271	24.3	26.2	20.3	6,446	7,082	5,500
Yugoslavia.....	147	138	164	42.5	40.6	37.9	6,248	5,599	6,209
Total Eastern Europe..	1,457	1,402	2,854	32.8	33.3	32.1	47,825	46,630	46,597
Total Europe.....	3,470	3,412	4,820	41.0	42.6	30.1	142,362	145,200	144,976
<b>Soviet Union.....</b>	3,425	3,400	3,415	24.1	23.3	26.4	82,400	79,300	90,000
<b>North Africa:</b>									
Algeria.....	6	6	6	18.7	18.3	18.3	112	110	110
Egypt.....	16	14	15	36.3	40.2	41.6	581	563	624
Morocco.....	59	59	65	44.1	50.8	53.8	2,600	3,000	3,500
Tunisia.....	5	6	6	36.4	38.3	37.5	182	230	225
Total.....	86	85	92	40.4	45.9	48.5	3,475	3,903	4,459
<b>Middle East:</b>									
Iran.....	100	100	100	25.0	25.0	25.0	2,500	2,500	2,500
Lebanon.....	2	2	2	25.0	25.0	25.0	50	50	50
Syria.....	15	16	16	27.5	27.7	28.1	412	443	450
Turkey.....	320	347	378	30.7	30.7	32.8	9,830	10,660	12,400
Total.....	437	465	496	29.3	29.4	31.0	12,792	13,653	15,400
<b>Asia:</b>									
Afghanistan.....	3	3	3	11.7	11.7	11.7	35	35	35
China.....	561	520	511	15.9	16.0	15.6	8,919	8,306	7,970
Japan.....	72	72	71	54.5	53.6	53.9	3,921	3,862	3,827
Pakistan.....	5	13	19	36.8	10.8	27.6	184	140	525
Total.....	641	608	604	20.4	20.3	20.5	13,059	12,343	12,357
<b>Grand total.....</b>	8,880	8,565	8,621	31.3	32.9	34.4	278,025	281,679	296,887

<sup>1</sup> Preliminary. <sup>2</sup> Quantity processed.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 109.—Sugarcane for sugar and seed: Area, yield, production, value, and production of cane sugar and molasses, United States, 1973-87 <sup>1</sup>**

Year <sup>2</sup>	Area harvested			Yield of cane per acre			Production		
	For sugar	For seed	Total	For sugar	For seed	For sugar and seed	For sugar	For seed	Total
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
1973.....	703.0	38.0	741.0	35.5	23.8	34.9	24,924	903	25,827
1974.....	689.9	44.2	734.1	34.8	25.1	34.2	24,031	1,109	25,140
1975.....	734.7	39.3	774.0	37.2	26.4	36.6	27,306	1,038	28,344
1976.....	704.0	43.0	747.0	38.2	27.9	37.6	26,919	1,201	28,120
1977.....	719.3	40.1	759.4	35.8	27.4	35.3	25,730	1,100	26,830
1978.....	699.8	43.9	743.7	35.5	26.8	35.0	24,821	1,176	25,997
1979.....	689.7	43.0	732.7	36.8	26.1	36.2	25,410	1,122	26,532
1980.....	683.6	49.1	732.7	37.4	28.1	36.8	25,582	1,381	26,963
1981.....	715.6	39.8	755.4	36.6	31.2	36.3	26,165	1,243	27,408
1982.....	700.4	41.3	741.7	40.6	32.0	40.1	28,449	1,321	29,770
1983.....	733.4	34.3	767.7	37.1	28.0	36.7	27,201	960	28,161
1984.....	700.7	46.6	747.3	37.1	28.6	36.6	26,008	1,332	27,340
1985.....	722.8	47.2	770.0	37.2	28.3	36.6	26,877	1,336	28,213
1986.....	750.7	45.5	796.2	38.5	30.2	38.1	28,936	1,375	30,311
1987 <sup>3</sup> .....	785.0	41.9	826.9	36.4	28.4	36.0	28,608	1,190	29,798

  

Year <sup>2</sup>	Season average price received by farmers per ton of sugar <sup>4</sup>	Value of production		Sugar production			Molasses <sup>8</sup>
		Of cane used for sugar	Of cane used for sugar and seed <sup>5</sup>	Raw value <sup>6</sup>		Refined basis <sup>7</sup>	
				Total	Per ton of cane		
	Dollars	1,000 dollars	1,000 dollars	1,000 tons	Pounds	1,000 tons	1,000 gallons
1973.....	20.90	319,503	333,061	2,549	205	2,383	167,486
1974.....	48.60	1,166,809	1,221,232	2,512	212	2,347	156,355
1975.....	21.50	586,622	607,895	2,934	214	2,743	178,988
1976.....	15.20	408,403	425,342	2,724	202	2,545	180,730
1977.....	17.70	454,217	474,257	2,684	209	2,508	164,894
1978.....	19.50	483,905	506,851	2,612	210	2,441	161,810
1979.....	26.00	661,212	690,544	2,700	213	2,524	164,581
1980.....	38.50	984,559	1,035,990	2,728	213	2,550	163,341
1981.....	24.90	650,721	681,983	2,833	217	2,647	182,656
1982.....	26.50	755,038	789,896	3,063	215	2,863	177,041
1983.....	27.80	755,574	781,393	2,930	215	2,739	175,875
1984.....	28.20	734,026	769,934	3,007	231	2,811	175,573
1985.....	26.70	717,690	751,550	3,033	226	2,835	178,539
1986.....	27.30	788,678	824,724	3,281	227	3,066	185,970
1987 <sup>9</sup> .....	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	3,333	238	3,115	183,866

<sup>1</sup> Includes Hawaii except for prices and values for 1973.

<sup>2</sup> In Hawaii, harvest continues throughout the year and production statistics are on a calendar year basis. In other states, harvest is seasonal and the production statistics year relates to the year in which the season begins.

<sup>3</sup> Preliminary.

<sup>4</sup> Prices do not include Government payments under the Sugar Act.

<sup>5</sup> Price per ton of cane for sugar used in evaluating value of production for seed.

<sup>6</sup> Raw value is the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948.

<sup>7</sup> Calculated on the basis that 100 pounds of raw sugar is required to produce 93.46 pounds of refined sugar.

<sup>8</sup> Excludes edible.

<sup>9</sup> Not available.

National Agricultural Statistics Service.



**Table 110.—Sugarcane for sugar and seed: Area, yield, production, and production of cane sugar and molasses, by States, 1985–87**

State	Sugarcane for sugar and seed <sup>1</sup>								
	Area harvested			Yield of cane per acre			Cane production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
For sugar:	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
FL.....	383.4	380.0	408.0	32.9	33.1	33.4	12,615	12,916	13,627
HI.....	83.0	83.6	80.0	95.4	100.2	98.3	7,916	8,379	7,904
LA.....	226.0	248.0	263.0	24.0	27.3	22.9	5,430	6,770	6,023
TX.....	30.4	29.1	34.0	30.1	29.9	31.0	916	871	1,054
US.....	722.8	750.7	785.0	37.2	38.5	36.4	26,877	28,936	28,608
For seed:									
FL.....	15.3	15.0	12.0	32.8	35.3	36.9	502	530	443
HI.....	6.4	6.6	6.6	33.3	31.5	32.3	213	208	213
LA.....	24.0	22.0	22.0	24.0	27.3	22.9	576	601	504
TX.....	1.5	1.9	1.3	30.0	18.9	23.0	45	36	30
US.....	47.2	45.5	41.9	28.3	30.2	28.4	1,336	1,375	1,190
For sugar and seed:									
FL.....	398.7	405.0	420.0	32.9	33.2	33.5	13,117	13,446	14,070
HI.....	89.4	90.2	86.6	90.9	95.2	93.7	8,129	8,587	8,117
LA.....	250.0	270.0	285.0	24.0	27.3	22.9	6,006	7,371	6,527
TX.....	31.9	31.0	35.3	30.1	29.3	30.7	961	907	1,084
US.....	770.0	796.2	826.9	36.6	38.1	36.0	28,213	30,311	29,798

State	Products of cane harvested for sugar											
	Sugar per ton of cane (raw value <sup>3</sup> )			Sugar produced (raw value <sup>3</sup> )			Equivalent refined <sup>4</sup>			Molasses <sup>5</sup>		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>Lb.</i>	<i>Lb.</i>	<i>Lb.</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
FL.....	224	229	234	1,413	1,476	1,517	1,321	1,379	1,418	92,546	92,879	90,145
HI.....	256	249	244	1,012	1,043	979	946	975	915	<sup>6</sup> 47,648	<sup>6</sup> 50,385	<sup>6</sup> 49,000
LA.....	196	198	245	532	671	731	497	627	683	30,650	32,850	35,820
TX.....	166	209	202	76	91	106	71	85	99	7,695	6,856	8,901
US.....	226	227	238	3,033	3,281	3,333	2,835	3,066	3,115	178,539	185,970	183,866

<sup>1</sup> In Hawaii, harvest continues throughout the year and production statistics are on a calendar year basis. In other states, harvest is seasonal and the production statistics year relates to the year in which the season begins.  
<sup>2</sup> Preliminary.  
<sup>3</sup> Raw value is the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948.  
<sup>4</sup> Calculated on the basis that 100 pounds of raw sugar is required to produce 93.46 pounds of refined sugar.  
<sup>5</sup> Blackstrap (80° Brix) high-test molasses from frozen cane and edible molasses. <sup>6</sup> 85° brix.  
National Agricultural Statistics Service.

**Table 111.—Sugarcane for sugar and seed: Production and value, by States, crop of 1986**

State	Sugar			Sugar and seed: Value of production <sup>1</sup>
	Production		Price per ton	
	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	
FL.....	12,916	29.00	374,564	389,934
HI.....	8,379	27.90	233,774	239,577
LA.....	6,770	23.10	156,387	170,270
TX.....	871	27.50	23,953	24,943
Total.....	28,936	27.30	788,678	824,724

<sup>1</sup> Price per ton of cane for sugar used in evaluating value of production for seed.  
National Agricultural Statistics Service.

Table 112.—Sugarcane: Area, yield, and production in specified countries, 1985/86-1987/88

Continent and country	Area			Yield per hectare			Production <sup>2</sup>		
	1985/ 86	1986/ 87	1987/ 88 <sup>1</sup>	1985/ 86	1986/ 87	1987/ 88 <sup>1</sup>	1985/ 86	1986/ 87	1987/ 88 <sup>1</sup>
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Mexico.....	543	597	590	74.3	69.3	68.1	40,350	41,372	40,200
Hawaii.....	34	34	32	211.2	223.6	227.2	7,181	7,601	7,270
United States.....	259	270	283	66.4	69.1	64.2	17,201	18,649	18,155
<b>Total</b> .....	<b>836</b>	<b>901</b>	<b>905</b>	<b>77.4</b>	<b>75.1</b>	<b>72.5</b>	<b>64,732</b>	<b>67,622</b>	<b>65,625</b>
<b>South America:</b>									
Argentina.....	180	160	185	60.2	60.0	58.4	10,844	9,601	10,800
Brazil.....	1,950	1,950	1,950	50.3	48.7	46.2	98,000	90,000	95,000
Colombia.....	101	101	100	115.2	124.2	121.0	11,640	12,540	12,100
Ecuador.....	42	42	43	73.8	65.9	72.0	3,100	2,768	3,095
Guyana.....	47	44	42	69.6	71.6	70.7	3,270	3,150	2,970
Peru.....	50	50	52	125.4	129.6	125.0	6,270	6,480	6,500
Venezuela.....	103	103	112	68.7	68.7	71.0	7,071	7,071	7,950
Other South America.....	127	132	122				4,906	6,510	6,270
<b>Total</b> .....	<b>2,600</b>	<b>2,582</b>	<b>2,606</b>	<b>55.8</b>	<b>53.5</b>	<b>55.5</b>	<b>145,101</b>	<b>138,120</b>	<b>144,685</b>
<b>Central America:</b>									
Belize.....	24	24	24	36.1	37.0	36.0	867	889	863
Costa Rica.....	33	32	32	73.2	73.7	78.8	2,416	2,357	2,521
El Salvador.....	38	41	37	84.7	72.2	58.4	3,227	2,959	2,159
Guatemala.....	81	88	93	67.2	71.9	71.0	5,443	6,324	6,600
Honduras.....	29	26	24	83.8	92.3	81.3	2,429	2,400	1,950
Nicaragua.....	40	40	40	70.0	70.0	70.0	2,800	2,800	2,800
Panama.....	35	24	20	57.3	53.9	57.6	2,007	1,293	1,152
<b>Total</b> .....	<b>280</b>	<b>275</b>	<b>270</b>	<b>68.5</b>	<b>67.2</b>	<b>66.8</b>	<b>19,179</b>	<b>19,022</b>	<b>18,045</b>
<b>Caribbean:</b>									
Barbados.....	15	13	12	61.7	53.0	60.0	925	689	720
Cuba.....	1,500	1,500	1,500	45.0	46.7	43.3	67,500	70,000	65,000
Dominican Rep.....	160	180	170	51.4	47.4	48.8	8,231	8,525	8,900
Haiti.....	54	50	50	10.5	10.5	10.5	567	525	525
Jamaica.....	39	36	37	56.0	55.4	60.8	2,184	1,995	2,250
Puerto Rico.....	20	20	20	60.0	60.0	60.0	1,200	1,200	1,200
St. Kitts-Nevis.....	3	3	3	99.3	99.3	99.3	298	298	298
Trinidad and Tobago.....	27	27	27	41.7	37.0	37.0	1,125	1,000	1,000
Other Caribbean.....	24	24	24				845	845	845
<b>Total</b> .....	<b>1,842</b>	<b>1,853</b>	<b>1,843</b>	<b>45.0</b>	<b>45.9</b>	<b>43.5</b>	<b>82,875</b>	<b>85,077</b>	<b>80,138</b>
<b>West Europe:</b>									
Spain.....	2	2	2	75.0	75.0	75.0	150	150	150
<b>Africa:</b>									
Egypt.....	83	82	84	87.5	94.7	96.7	7,260	7,769	8,120
Kenya.....	40	40	40	92.5	92.5	92.5	3,700	3,700	3,700
Zimbabwe.....	33	33	33	110.6	125.3	110.6	3,650	4,135	3,651
South Africa.....	269	270	265	69.9	68.8	68.7	18,803	18,570	18,200
Other Africa.....	478	498	492				34,842	35,932	35,469
<b>Total</b> .....	<b>903</b>	<b>923</b>	<b>914</b>	<b>75.6</b>	<b>80.0</b>	<b>80.0</b>	<b>68,255</b>	<b>70,106</b>	<b>72,840</b>
<b>Asia:</b>									
Bangladesh.....	74	86	87	47.3	46.5	46.6	3,500	3,995	4,050
China.....	965	950	895	53.4	52.9	52.3	51,549	50,219	46,850
Indonesia.....	274	310	334	76.6	77.0	77.1	21,000	23,870	23,400
India.....	2,862	3,055	3,300	60.0	59.7	57.6	171,700	182,480	190,000
Japan.....	36	35	35	73.2	63.9	68.4	2,636	2,238	2,295
Pakistan.....	348	369	390	34.7	39.3	31.8	12,060	14,485	18,780
Philippines.....	321	320	300	50.2	45.0	47.0	16,122	14,400	14,100
Thailand.....	618	554	560	38.8	44.1	44.6	24,000	24,440	25,000
Taiwan.....	59	57	65	96.6	84.8	94.4	5,700	4,831	6,138
Other Asia.....	72	73	74				2,755	2,780	2,750
<b>Total</b> .....	<b>5,629</b>	<b>5,809</b>	<b>6,240</b>	<b>55.3</b>	<b>55.2</b>	<b>53.4</b>	<b>311,037</b>	<b>323,739</b>	<b>333,463</b>
<b>Oceania:</b>									
Australia.....	304	310	317	80.3	82.0	81.0	24,414	25,413	25,667
Fiji.....	60	60	60	70.0	67.8	66.7	4,200	4,070	4,000
<b>Total</b> .....	<b>364</b>	<b>370</b>	<b>377</b>	<b>78.6</b>	<b>79.7</b>	<b>78.7</b>	<b>28,614</b>	<b>29,483</b>	<b>29,667</b>
<b>Grand total</b> .....	<b>12,456</b>	<b>12,715</b>	<b>13,157</b>	<b>57.8</b>	<b>57.7</b>	<b>56.6</b>	<b>719,943</b>	<b>733,503</b>	<b>744,613</b>

<sup>1</sup> Preliminary. <sup>2</sup> Quantity processed.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 113.—Sugar: Production in specified countries, 1985/86–1987/88 <sup>1</sup>

Continent and country	1985/86	1986/87	1987/88 <sup>2</sup>	Continent and country	1985/86	1986/87	1987/88 <sup>2</sup>
<b>CENTRIFUGAL SUGAR (raw value) <sup>3</sup></b>	<b>1,000 metric tons</b>	<b>1,000 metric tons</b>	<b>1,000 metric tons</b>	<b>CENTRIFUGAL SUGAR (raw value) <sup>3</sup></b>	<b>1,000 metric tons</b>	<b>1,000 metric tons</b>	<b>1,000 metric tons</b>
<b>North and Central America and Caribbean (cane):</b>				Switzerland.....	139	129	123
Barbados.....	110	83	85	<b>Total Western Europe.....</b>	<b>15,454</b>	<b>15,904</b>	<b>14,878</b>
Belize.....	95	86	85	Albania.....	30	35	30
Canada (beet).....	60	118	134	Bulgaria.....	175	175	175
Costa Rica.....	218	229	235	Czechoslovakia.....	825	862	800
Cuba.....	7,200	7,220	7,250	German Dem. Rep.....	970	935	950
Dominican Republic.....	894	815	800	Hungary.....	525	467	450
El Salvador.....	267	277	190	Poland.....	1,811	1,891	1,823
Guadeloupe.....	65	70	60	Romania.....	550	600	450
Guatemala.....	624	658	630	Yugoslavia.....	989	870	946
Haiti.....	43	39	40	<b>Total Eastern Europe.....</b>	<b>5,875</b>	<b>5,835</b>	<b>5,624</b>
Honduras.....	235	200	175	<b>Total Europe.....</b>	<b>21,329</b>	<b>21,739</b>	<b>20,502</b>
Jamaica.....	204	192	204	<b>Soviet Union (beet).....</b>	<b>8,260</b>	<b>8,700</b>	<b>9,800</b>
Martinique.....	1	1	1	<b>Africa (cane):</b>			
Mexico.....	3,928	3,970	3,980	Angola.....	35	35	35
Nicaragua.....	225	240	225	Egypt.....	887	943	989
Panama.....	160	123	107	Ethiopia.....	185	167	170
St. Kitts-Nevis.....	32	32	32	Kenya.....	345	366	411
Trinidad and Tobago.....	80	84	90	Madagascar.....	93	111	114
<b>United States:</b>				Mauritius.....	707	718	702
Continental (beet and cane).....	5,473	6,075	6,645	Morocco.....	422	405	425
Puerto Rico.....	95	90	90	Mozambique.....	60	30	50
<b>Total.....</b>	<b>20,009</b>	<b>20,602</b>	<b>21,058</b>	Reunion.....	316	326	310
<b>South America (cane unless otherwise indicated):</b>				South Africa.....	2,247	2,170	2,120
Argentina.....	1,160	1,108	1,177	Swaziland.....	402	537	456
Bolivia.....	182	190	167	Tanzania.....	122	110	104
Brazil.....	8,100	8,525	8,500	Uganda.....	10	10	10
Chile (beet).....	351	476	440	Zaire.....	60	63	60
Colombia.....	1,217	1,316	1,310	Zimbabwe.....	476	532	476
Ecuador.....	273	268	310	Other Africa <sup>4</sup> .....	1,403	1,407	1,436
Guyana.....	243	234	220	<b>Total Africa.....</b>	<b>7,770</b>	<b>7,934</b>	<b>7,868</b>
Paraguay.....	67	100	100	<b>Asia (cane unless otherwise indicated):</b>			
Peru.....	593	580	550	Burma.....	50	50	50
Surinam.....	12	12	12	China (cane and beet).....	5,535	5,774	5,300
Uruguay (beet and cane).....	92	92	90	Taiwan.....	604	515	660
Venezuela.....	569	601	610	India.....	7,983	9,474	9,790
<b>Total South America.....</b>	<b>12,859</b>	<b>13,502</b>	<b>13,486</b>	Indonesia.....	1,728	2,024	2,100
<b>Europe (beet unless otherwise indicated):</b>				Iran (beet and cane).....	720	650	550
Belgium and Luxembourg.....	944	1,019	874	Japan (beet and cane).....	943	948	947
Denmark.....	576	543	428	Pakistan.....	1,220	1,385	1,720
France.....	4,297	3,707	3,973	Philippines.....	1,561	1,373	1,250
Germany, Fed. Rep. of.....	3,430	3,469	2,963	Thailand.....	2,586	2,639	2,430
Ireland.....	189	202	242	Turkey (Europe and Asia) (beet).....	1,398	1,475	1,700
Italy.....	1,352	1,868	1,875	Other Asia (cane and beet) <sup>5</sup> .....	561	662	669
Netherlands.....	875	1,324	1,065	<b>Total Asia.....</b>	<b>24,889</b>	<b>26,969</b>	<b>27,166</b>
United Kingdom.....	1,315	1,433	1,335	<b>Oceania (cane):</b>			
Greece.....	345	287	182	Australia.....	3,404	3,457	3,528
<b>Total EC.....</b>	<b>13,423</b>	<b>13,852</b>	<b>12,937</b>	Fiji.....	341	502	400
Austria.....	468	308	390	<b>Total Oceania.....</b>	<b>3,745</b>	<b>3,959</b>	<b>3,928</b>
Finland.....	103	134	70	<b>World total (cane and beet).....</b>	<b>98,861</b>	<b>103,405</b>	<b>103,808</b>
Portugal:							
Azores and Madeira.....	11	4	2				
Spain (cane and beet).....	981	1,109	1,092				
Sweden.....	329	368	264				

See footnotes on page 82.

**Table 114.—Sugar, cane and beet (raw value): Imports and domestic marketings, by source of supply, continental United States, 1985–87 <sup>1</sup>**

Country or area of supply	1985	1986	1987 <sup>2</sup>	Country or area of supply	1985	1986	1987 <sup>2</sup>
	1,000 tons	1,000 tons	1,000 tons		1,000 tons	1,000 tons	1,000 tons
Argentina.....	155	84	38	South Africa.....	73	37	.....
Australia.....	171	108	50	Taiwan.....	26	20	11
Belize.....	22	53	23	Other countries.....	414	357	209
Brazil.....	431	177	132	Total foreign countries.....	2,797	2,202	1,529
Colombia.....	196	161	77	Domestic areas:			
Costa Rica.....	53	73	31	Mainland (beet).....	2,984	3,088	3,656
Dominican Republic.....	510	373	338	Mainland (cane).....	1,628	1,958	2,164
Ecuador.....	28	19	10	Hawaii.....	946	899	1,061
El Salvador.....	74	104	26	Puerto Rico.....	36	31	12
Fiji Islands.....	7	16	25	Texas (cane).....	83	70	101
Guatemala.....	137	118	67	Total domestic areas..	5,677	6,046	6,994
Haiti.....	6	12	7	Grand total.....	8,474	8,248	8,523
Mexico.....	36	119	236				
Nicaragua.....	1	.....	.....				
Panama.....	88	77	53				
Peru.....	93	63	30				
Philippines.....	276	231	166				

<sup>1</sup> Raw value is the equivalent in terms of 96° sugar.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 113

<sup>1</sup> Crop years are on a September/August basis, but include the outturn of sugar from harvests of several Southern Hemisphere countries which begin prior to September.

<sup>2</sup> Preliminary.

<sup>3</sup> Centrifugal sugar, as distinguished from non-centrifugal, includes cane and beet sugar produced by the centrifugal process, which is the principal kind moving in international trade.

<sup>4</sup> "Other Africa" includes Algeria, Cameroon, Chad, Congo, Gabon, Ghana, Guinea, Ivory Coast, Mali, Malawi, Nigeria, Senegal, Somalia, Sudan, Tunisia, and Zambia.

<sup>5</sup> "Other Asia" includes Afghanistan, Bangladesh, Iraq, Israel, Lebanon, Malaysia, Nepal, Sri Lanka, Syria, and Vietnam.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 115.—Sugar, cane and beet (refined): Stocks, production or receipts, and deliveries, continental United States, 1973-88 <sup>1</sup>

Item and year	Cane sugar refineries <sup>2</sup>	Beet sugar factories	Importers of direct consumption sugar <sup>3</sup>	Mainland cane sugar mills <sup>4</sup>	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
<b>JAN. 1 STOCKS <sup>5</sup></b>					
1973.....	233	1,280	3		1,516
1974.....	257	1,130	1		1,388
1975.....	276	1,314	1		1,591
1976.....	233	1,490	0		1,723
1977.....	261	1,661	0		1,922
1978.....	312	1,580	85		1,977
1979.....	267	1,458	0		1,725
1980.....	240	1,126	0		1,366
1981.....	294	1,202	0		1,496
1982.....	255	1,193	0		1,448
1983.....	245	1,324	0		1,569
1984.....	210	1,031	0		1,241
1985.....	214	1,430	0		1,644
1986.....	197	1,189	0		1,386
1987.....	830	1,304	0		2,138
1988.....	996	1,546	0		2,376
<b>PRODUCTION OR RECEIPTS</b>					
1973.....	7,358	3,133	73		10,564
1974.....	7,608	3,010	56		10,674
1975.....	6,183	3,246	82		9,511
1976.....	6,561	3,741	76		10,378
1977.....	7,078	3,199	258		10,535
1978.....	6,942	2,867	95		9,904
1979.....	6,958	2,650	84		9,692
1980.....	7,162	2,852	7		10,021
1981.....	7,144	2,974	17		10,135
1982.....	5,726	2,953	46		8,725
1983.....	5,679	2,419	49		8,147
1984.....	6,042	3,058	39		9,139
1985.....	5,268	2,896	33		8,202
1986.....	5,128	3,219	28		8,375
1987.....	4,960	3,312	18		8,890
<b>DELIVERIES <sup>6</sup></b>					
1973.....	7,334	3,282	75	81	10,772
1974.....	7,590	2,826	56	54	10,526
1975.....	6,237	3,068	83	65	9,453
1976.....	6,534	3,572	76	15	10,197
1977.....	7,026	3,280	172	17	10,495
1978.....	6,987	2,989	180	18	10,174
1979.....	6,985	2,982	84	18	10,069
1980.....	7,100	<sup>7</sup> 2,973	7	45	10,125
1981.....	7,183	2,983	17	24	10,207
1982.....	5,736	<sup>7</sup> 2,840	46	24	8,646
1983.....	5,714	2,712	49	4	8,479
1984.....	5,630	2,732	39	13	8,414
1985.....	4,853	2,979	33	4	7,908
1986.....	4,594	3,077	28	3	7,702
1987.....	4,454	3,655	18	4	8,131

<sup>1</sup> All sugars converted to refined basis.<sup>2</sup> Includes Hawaiian sugar for direct consumption.<sup>3</sup> Includes Puerto Rican sugar for direct consumption.<sup>4</sup> Sugar for direct consumption only. Mainland cane sugar mills stocks and production not separately reported.<sup>5</sup> Stocks include sugar in bond and in customs custody and control.<sup>6</sup> Includes deliveries for export, for livestock feed, and for use in alcohol.<sup>7</sup> Includes beet sugar, forfeited to and marketed by C.C.C.

National Agricultural Statistics Service.

**Table 116.—Sugar, cane (raw <sup>1</sup>): Refiners' raw stocks, receipts, meltings, and direct consumption deliveries, continental United States, 1973-87**

Year	Jan. 1 stocks	Receipts <sup>2</sup>	Meltings	Deliveries for direct consumption
	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1973	972	7,948	7,910	12
1974	998	8,063	8,161	11
1975	886	6,206	6,639	11
1976	428	7,430	7,071	13
1977	776	8,315	7,564	12
1978	1,678	6,789	7,578	13
1979	964	7,057	7,539	14
1980	541	7,892	7,735	4
1981	691	7,855	7,693	
1982	844	5,856	6,183	
1983	517	6,287	6,241	
1984	473	6,045	6,100	
1985	523	5,445	5,390	
1986	516	5,143	5,155	
1987 <sup>3</sup>	401	4,862	4,977	

<sup>1</sup> Expressed in raw value, the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948.

<sup>2</sup> Receipts include refiners' total offshore raw sugar receipts in continental U.S. ports, whether entered through the customs or held pending availability of quota, and raw cane sugar produced from sugarcane in the continental United States.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 117.—Sugar, cane and beet (raw value): Production, stocks, trade, and supply available for consumption in continental United States, 1973-87**

Year	Production	Visible stocks beginning of period	Receipts from—		Commercial exports and shipments <sup>2</sup>	Domestic disappearance		
			Foreign sources	Territories <sup>1</sup>		Livestock feed and alcohol <sup>3</sup>	Military and civilian use <sup>4</sup>	Per capita consumption (refined) <sup>4</sup>
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons		Pounds
1973	6,061	2,823	5,329	79	26	31	11,429	100.8
1974	5,662	2,646	5,770	157	72	8	10,945	95.7
1975	6,300	2,854	3,382	96	216	6	10,302	89.2
1976	6,798	2,856	4,658	203	76	0	10,893	93.4
1977	6,089	3,498	6,138	102	35	0	11,099	94.2
1978	5,602	4,491	4,683	52	48	4	10,889	91.4
1979	5,793	3,754	5,027	47	73	0	10,756	89.3
1980	5,736	3,701	4,495	178	689	0	10,189	83.6
1981	6,225	3,082	5,025	48	1,191	0	9,769	79.4
1982	5,936	3,461	2,964	80	137	0	9,153	73.6
1983	5,682	3,068	3,080	67	300	0	8,812	70.1
1984	5,890	2,570	3,444	24	429	0	8,454	66.5
1985	5,969	3,005	2,797	36	464	0	8,035	62.5
1986	6,257	3,126	2,223	31	557	0	7,786	59.7
1987 <sup>5</sup>	7,309	3,225	1,546	12	742	0	8,167	61.6

<sup>1</sup> Includes inshipments from Puerto Rico.

<sup>2</sup> Includes sugar used in manufacture of exported commodities.

<sup>3</sup> Includes use for alcohol, beginning 1966.

<sup>4</sup> Adjusted for changes in invisible stocks (estimated) held by manufacturers, wholesalers, and retailers.

<sup>5</sup> Estimated.

Economic Research Service.

Table 118.—Sugar, centrifugal (raw value): International trade, 1984–86

Continent and country	1984		1985		1986 <sup>1</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North and Central America:</b>						
Belize.....	102		96	0	105	7
Canada.....	83	1,054	65	1,158	95	1,278
Costa Rica.....	84		3	0	66	0
El Salvador.....	78		115	0	104	0
Guatemala.....	304		286	0	373	0
Honduras.....	93		87	0	95	0
Mexico.....		273	66	0	219	0
Nicaragua.....	106		55	0	72	0
Panama.....	82		78	0	34	0
United States.....	298	3,021	364	2,275	412	1,796
<b>Caribbean:</b>						
Barbados.....	86		78	0	88	0
Cuba.....	7,017		7,209	0	6,703	0
Dominican Republic.....	885		722	0	481	0
Haiti.....	16	21	0	18	0	21
Jamaica.....	160	76	155	24	146	55
St. Christopher-Nevis.....	28		25	0	24	0
Trinidad and Tobago.....	47	86	62	28	60	27
Other North and Central America.....	2	35	1	37	0	43
<b>Total North and Central America.....</b>	<b>9,471</b>	<b>4,566</b>	<b>9,468</b>	<b>3,540</b>	<b>9,077</b>	<b>3,227</b>
<b>South America:</b>						
Argentina.....	529		157	0	55	0
Brazil.....	3,040		2,609	0	2,554	0
Chile.....		188	0	28	0	10
Colombia.....	183		295	0	212	0
Ecuador.....	10	154	25	6	18	41
Guyana.....	215		230	0	219	0
Peru.....	115	130	91	2	55	262
Venezuela.....		234	0	238	0	0
Other South America.....	26	10	20	15	15	5
<b>Total South America.....</b>	<b>4,118</b>	<b>716</b>	<b>3,427</b>	<b>289</b>	<b>3,139</b>	<b>318</b>
<b>Europe:</b>						
<b>Total European Economic Community.....</b>	<b>4,393</b>	<b>1,572</b>	<b>4,280</b>	<b>1,295</b>	<b>4,373</b>	<b>1,828</b>
Austria.....	73		41	0	88	0
Cyprus.....		21	0	25	16	21
Finland.....	31	76	7	65	10	79
Iceland.....		12	0	13	0	12
Malta.....		14	0	18	0	13
Norway.....		168	0	180	0	168
Portugal.....	26	288	4	575	n.a.	n.a.
Spain.....	32	47	0	76	n.a.	n.a.
Sweden.....	7	51	5	14	39	63
Switzerland.....	1	170	0	174	1	151
Turkey.....	580		308	54	142	56
Other Western Europe.....		13	0	9	0	9
<b>Total Western Europe.....</b>	<b>750</b>	<b>860</b>	<b>365</b>	<b>1,203</b>	<b>280</b>	<b>572</b>
Albania.....		15	0	22	0	22
Bulgaria.....	30	373	125	516	100	457
Czechoslovakia.....	234	187	248	123	350	156
German Dem. Rep.....	111	313	222	265	345	304
Hungary.....	1		44	0	0	0
Poland.....	301		186	25	156	157
Romania.....	3	272	133	63	9	56
Yugoslavia.....		226	116	0	44	10
<b>Total Eastern Europe.....</b>	<b>680</b>	<b>1,386</b>	<b>1,074</b>	<b>983</b>	<b>1,004</b>	<b>1,162</b>
<b>Total Europe.....</b>	<b>5,823</b>	<b>3,818</b>	<b>5,719</b>	<b>3,481</b>	<b>5,657</b>	<b>3,562</b>

See footnotes at end of table.

Table 118.—Sugar, centrifugal (raw value): International trade, 1984-86—Continued

Continent and country	1984		1985		1986 <sup>1</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Soviet Union .....	204	5,704	175	4,477	302	5,171
Africa:						
Algeria .....		595	0	532	0	482
Angola .....		47	0	52	0	59
Egypt .....		901	0	711	0	744
Ethiopia .....	38		27	0	24	0
Ghana .....		33	0	34	0	53
Ivory Coast .....	46	23	22	32	22	27
Kenya .....	4	75	0	110	0	187
Libya .....		93	0	226	0	160
Madagascar .....	19		35	12	0	0
Malawi .....	89		143	0	93	0
Mauritius .....	562		571	0	662	0
Morocco .....		319	0	243	0	338
Mozambique .....	16	67	10	30	20	52
Nigeria .....		439	0	518	0	578
Senegal .....		22	0	1	0	7
Sierra Leone .....		9	0	14	0	10
South Africa .....	687	7	1,025	29	874	0
Sudan .....		39	0	12	0	5
Swaziland .....	391		380	0	498	0
Tanzania .....	11	13	12	22	11	27
Tunisia .....		158	4	192	4	172
Zaire .....		34	0	30	0	47
Zimbabwe .....	234	5	220	8	270	0
Other Africa .....	109	494	98	499	152	627
Total Africa .....	2,206	3,373	2,547	3,307	2,630	3,575
Asia:						
Afghanistan .....		98	0	36	0	131
Bangladesh .....		303	0	72	0	203
China .....	130	1,348	250	2,214	200	1,098
Taiwan .....	130		206	0	151	0
Hong Kong .....		106	16	147	24	160
India .....	309	394	41	1,781	44	1,046
Indonesia .....		6	0	3	0	82
Iran .....		607	0	625	0	652
Iraq .....		569	0	583	0	552
Israel .....		319	0	233	0	229
Japan .....	3	1,903	4	1,986	5	1,823
Jordan .....		121	0	95	0	158
Korea, Rep. of .....	271	838	336	858	281	968
Kuwait .....		85	2	52	0	49
Lebanon .....		87	0	56	0	67
Malaysia .....	130	580	93	619	132	665
Philippines .....	1,200	287	595	0	230	0
Saudi Arabia .....		523	0	259	0	291
Singapore .....	5	128	3	146	6	167
Sri Lanka .....		237	0	336	0	323
Syria .....		237	0	357	0	329
Thailand .....	1,444		1,781	0	2,049	0
Vietnam .....		57	16	14	6	75
Yemen (Aden) .....		232	0	64	0	70
Yemen (Sanaa) .....		103	0	206	0	189
Other Asia .....	54	349	0	331	8	1,172
Total Asia .....	3,676	9,517	3,343	11,085	3,135	10,445
Oceania:						
Australia .....	2,591		2,651	0	2,710	0
Fiji .....	386	6	419	0	327	12
New Zealand .....	3	177	0	174	0	164
Other Oceania .....	11	33	12	14	11	34
Total Oceania .....	2,990	216	3,082	188	3,048	210
World total <sup>2</sup> .....	28,488	27,910	27,762	26,510	26,992	27,064

<sup>1</sup> Preliminary. <sup>2</sup> World total may include countries not specified separately. n.a. not available.  
Foreign Agricultural Service. Data from International Sugar Organization.



**Table 119.—Sugar (raw and refined): Average price per pound at specified markets, 1973-87**

Year	Wholesale price, cane sugar				Year	Wholesale price, cane sugar			
	Raw, 96° centrifugal		Refined: New York <sup>3</sup>	Retail price, granulated: United States <sup>4</sup>		Raw, 96° centrifugal		Refined: New York <sup>3</sup>	Retail price, granulated: United States <sup>4</sup>
	Caribbean ports, f.o.b. and stowed <sup>1</sup>	New York, c.i.f. duty paid <sup>2</sup>				Caribbean ports, f.o.b. and stowed <sup>1</sup>	New York, c.i.f. duty paid <sup>2</sup>		
	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents
1973 .....	9.61	10.3	14.1	15.1	1981 .....	16.93	19.7	30.7	40.0
1974 .....	29.99	29.5	34.4	32.3	1982 .....	8.42	19.9	29.9	34.3
1975 .....	20.49	22.5	31.4	37.2	1983 .....	8.49	22.0	32.0	36.2
1976 .....	11.58	13.3	19.2	24.0	1984 .....	5.18	21.7	31.5	36.3
1977 .....	8.11	11.0	17.3	21.6	1985 .....	4.04	20.3	31.4	35.3
1978 .....	7.82	13.9	20.9	23.7	1986 .....	6.05	21.0	31.4	35.1
1979 .....	9.66	15.6	23.2	24.9	1987 .....	6.71	21.8	32.0	35.3
1980 .....	29.02	30.1	41.0	42.7					

<sup>1</sup> For 4th quarter 1977 through 3rd quarter 1979, derived by converting the London spot for sugar to a Caribbean basis in U.S. dollars.

<sup>2</sup> For 4th quarter 1977 through 3rd quarter 1979, derived by converting the London spot to a Caribbean basis in U.S. dollars, and adding freight, insurance, and applicable U.S. duties and fees. For June-Dec. 1985, prices for No. 12 nearby futures. Starting Jan. 1986 prices are for No. 14 nearby futures.

<sup>3</sup> F.o.b.-basis list prices in 100 pound bags, not delivered prices. To obtain delivered prices, add "freight prepays" and deduct discounts and allowances.

<sup>4</sup> Calendar 1978 and 1979 only, derived by using the Bureau of Labor Statistics consumer price index (all-urban, unadjusted) for Sugar and Artificial Sweeteners.

Economic Research Service. Compiled from the following sources: (New York) Coffee, Sugar & Cocoa Exchange; John Crowe and Company; and U.S. Department of Labor, Bureau of Labor Statistics.

**Table 120.—Sugar, centrifugal (raw value): United States imports, by country of origin, 1985-87<sup>1</sup>**

Country of origin	1985	1986	1987	Country of origin	1985	1986	1987
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North and South America, including Caribbean area:				Africa:			
Argentina .....	148	66	35	Malawi .....	37	0	0
Barbados .....	16	0	21	Mauritius .....	10	27	0
Brazil .....	309	204	120	Mozambique .....	9	20	19
Colombia .....	164	131	40	South Africa .....	52	35	0
Costa Rica .....	3	65	37	Swaziland .....	17	29	25
Dominican Republic .....	430	299	238	Zimbabwe .....	14	19	10
Ecuador .....	25	17	0	Other Africa .....	30	34	28
El Salvador .....	70	61	1	Total .....	169	164	82
Guatemala .....	103	131	57	Asia and Oceania:			
Guyana .....	5	19	10	Australia .....	122	130	68
Nicaragua .....	5	0	0	Philippines .....	315	225	133
Panama .....	61	34	11	Thailand .....	34	22	12
Peru .....	91	52	27	Other Pacific Is. NEC .....	3	14	23
Other America .....	132	274	283	Other Asia and Oceania .....	42	30	24
Total .....	1,562	1,354	880	Total .....	516	421	258
				Europe .....	( <sup>2</sup> )	1	0
				World total <sup>3</sup> .....	2,275	1,940	1,220

<sup>1</sup> Includes raw sugar imports and refined sugar imports converted to raw basis.

<sup>2</sup> Less than 500 tons.

<sup>3</sup> World total may include countries not specified separately.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 121.—Sugar, centrifugal (raw value): United States exports, by country of destination, 1985-87<sup>1</sup>**

Country of destination	1985	1986	1987	Country of destination	1985	1986	1987
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North America, including Caribbean areas:</b>				<b>Europe:</b>			
Bahamas.....	5,088	8,331	7,319	Denmark.....	1	0	37
Canada.....	79,455	75,376	101,245	Netherlands.....	124	197	82
Haiti.....	17,210	21,948	16,434	Other.....	282	183	64
Jamaica.....	22,894	34,697	22,718	Total.....	407	380	184
Leeward and Windward Islands.....	2,112	861	575	<b>Africa:</b>			
Mexico.....	1,402	0	229	Egypt.....	3	0	12,840
Netherlands Antilles.....	6,777	6,732	6,618	Somalia.....	0	12,305	0
Trinidad and Tobago.....	2	2	0	Western Africa.....	1,243	0	0
Other.....	21,003	1,011	1,285	Other.....	12,192	376	71
Total.....	155,943	148,959	156,422	Total.....	13,438	12,681	12,911
<b>South America:</b>				<b>Asia and Oceania:</b>			
Chile.....	3,745	5,350	47	Iraq.....	12,800	92,251	192,120
Peru.....	0	122,856	51,838	Jordan.....	29,388	11,770	0
Surinam.....	61	0	0	Turkey.....	26,400	44,432	26,312
Venezuela.....	54,072	0	0	China.....	0	0	148,814
Other.....	0	17	2	Saudi Arabia.....	98	2,082	36
Total.....	57,878	128,223	51,887	Trust Ter. of Pac. Is.....	219	561	0
				Other.....	68,464	344	598
				Total.....	137,369	150,439	367,880
				World total.....	365,035	440,683	589,300

<sup>1</sup> Includes raw sugar exports and refined sugar exports converted to raw basis.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 122.—Sugar, centrifugal (raw value): Beginning stocks in marketing years 1985/86-1988/89

Country	1985/ 86	1986/ 87	1987/ 88	1988/ 89	Country	1985/ 86	1986/ 87	1987/ 88	1988/ 89
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>					<b>Eastern Europe:</b>				
Canada.....	219	231	220	210	Albania.....	16	16	21	21
Mexico.....	1,394	1,620	1,485	1,165	Bulgaria.....	121	101	106	136
United States.....	1,596	1,499	1,358	1,360	Czechoslovakia.....	144	99	51	61
Total.....	3,209	3,350	3,063	2,735	German Dem. Rep.....	237	360	325	275
					Hungary.....	136	151	100	50
<b>Caribbean:</b>					Poland.....	401	353	208	232
Barbados.....	13	11	11	10	Romania.....	160	100	90	95
Cuba.....	1,600	1,100	800	900	Yugoslavia.....	307	340	275	245
Dominican Republic.....	374	457	334	209	Total.....	1,522	1,520	1,176	1,115
Haiti.....	12	10	13	8					
Jamaica.....	10	16	15	15	<b>USSR.....</b>	<b>3,651</b>	<b>3,611</b>	<b>3,750</b>	<b>4,030</b>
Trinidad/Tobago.....	13	13	6	8					
Other.....	51	55	52	54	<b>North Africa:</b>				
Total.....	2,073	1,662	1,231	1,204	Algeria.....	98	62	79	90
					Egypt.....	150	150	100	50
<b>Central America:</b>					Libya.....	35	35	35	35
Belize.....	21	15	10	4	Morocco.....	129	201	206	231
Costa Rica.....	103	78	63	70	Sudan.....	230	240	240	250
El Salvador.....	29	39	39	20	Tunisia.....	93	104	120	125
Guatemala.....	189	94	147	122	Total.....	735	792	780	781
Honduras.....	17	30	28	41					
Nicaragua.....	120	78	58	50	<b>Africa:</b>				
Panama.....	30	24	27	37	Cote d'Ivoire.....	21	43	53	63
Total.....	509	358	372	344	Kenya.....	32	40	112	138
					Malawi.....	73	68	50	50
<b>South America:</b>					Mauritius.....	260	287	325	337
Argentina.....	320	259	217	184	Nigeria.....	25	30	60	70
Bolivia.....	94	116	132	134	Reunion.....	7	8	18	18
Brazil.....	1,386	496	601	701	South Africa.....	578	314	364	409
Chile.....	99	15	72	90	Swaziland.....	26	24	46	39
Colombia.....	132	65	123	77	Tanzania.....	2	2	11	10
Ecuador.....	27	22	10	19	Zaire.....	32	37	40	35
Guyana.....	30	17	28	18	Zimbabwe.....	12	7	15	60
Paraguay.....	38	25	30	35	Other.....	371	398	381	379
Peru.....	67	129	120	100	Total.....	1,439	1,258	1,475	1,608
Surinam.....	4	4	5	6					
Uruguay.....	27	22	19	14	<b>Middle East:</b>				
Venezuela.....	384	377	324	109	Iran.....	151	221	221	121
Total.....	2,607	1,547	1,681	1,487	Iraq.....	156	96	126	141
					Saudi Arabia.....	180	70	55	55
<b>EC:</b>					Turkey.....	423	305	370	400
Belgium/ Luxembourg.....	94	92	81	90	Other.....	265	249	252	229
Denmark.....	129	102	99	60	Total.....	1,175	941	1,024	946
France.....	1,016	1,073	1,089	818					
Germany, Fed. Rep. of.....	566	692	707	640	<b>Asia:</b>				
Greece.....	33	33	42	41	Bangladesh.....	100	73	89	104
Ireland.....	104	79	80	106	China.....	1,922	2,302	2,124	2,324
Italy.....	350	256	439	374	Taiwan.....	264	209	179	229
Netherlands.....	149	270	233	239	India.....	1,803	2,166	2,960	2,703
Portugal.....	63	125	59	53	Indonesia.....	623	380	452	693
Spain.....	654	410	240	245	Japan.....	216	227	192	180
United Kingdom.....	124	420	243	183	South Korea.....	54	214	184	154
Total.....	3,282	3,552	3,312	2,849	Malaysia.....	179	222	204	198
					Pakistan.....	479	437	627	567
<b>Western Europe:</b>					Philippines.....	229	283	209	113
Austria.....	179	201	112	123	Sri Lanka.....	119	154	79	63
Finland.....	100	70	80	64	Thailand.....	473	259	188	158
Norway.....	15	15	14	14	Other.....	209	235	224	236
Sweden.....	86	103	125	44	Total.....	6,670	7,161	7,711	7,722
Switzerland.....	229	246	237	202					
Other.....	5	5	5	5	<b>Oceania:</b>				
Total.....	614	640	573	452	Australia.....	603	348	310	318
					Fiji.....	66	63	43	38
					New Zealand.....	43	42	38	34
					Other.....	5	5	5	5
					Total.....	717	458	396	395
					<b>World total.....</b>	<b>28,203</b>	<b>26,850</b>	<b>26,544</b>	<b>25,668</b>

**Table 123.—Honey: United States imports for consumption, by country of origin, 1985-87**

Continent and country of origin	1985	1986	1987	Continent and country of origin	1985	1986	1987
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Europe:			
Canada.....	14,550	8,818	6,439	Germany, Fed. Rep. of.....	148	183	127
Dominican Republic.....	718	654	249	Greece.....	4	8	13
El Salvador.....	818	1,354	113	Hungary.....	991	191	174
Guatemala.....	658	488	337	Netherlands.....	27	118	4
Honduras.....	483	567	35	United Kingdom.....	23	34	31
Mexico.....	15,297	10,542	4,111	Other countries.....	364	616	338
Other countries.....	12	36	4	Total.....	1,557	1,150	687
Total.....	32,536	22,450	11,288	Asia, Africa, and Oceania:			
South America:				Australia.....	3,057	1,921	23
Argentina.....	14,230	9,995	5,116	China.....	10,243	16,533	8,771
Brazil.....	613	1,856	406	Taiwan.....	1	1	.0
Chile.....	47	90	0	Hong Kong.....	289	256	38
Columbia.....	0	17	3	Japan.....	51	118	19
Total.....	14,890	11,958	5,525	New Zealand.....	44	30	46
				Other countries.....	38	5	31
				Total.....	13,723	18,864	8,928
				Grand total.....	62,706	54,420	26,428

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 124.—Beeswax, crude: United States imports for consumption, by country of origin, 1985-87**

Continent and country of origin	1985	1986	1987 <sup>1</sup>	Continent and country of origin	1985	1986	1987 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Europe:			
Canada.....	142	159	229	France.....	2	0	1
Dominican Republic.....	140	167	137	Other countries.....	92	40	17
Mexico.....	53	28	73	Asia and Oceania:			
Other countries.....	41	0	0	Australia.....	60	0	0
South America:				China.....	1	0	17
Brazil.....	296	230	168	Other countries.....	21	1	1
Chile.....	73	37	101	Total.....	961	672	834
Other countries.....	0	0	22				
Africa:							
Ethiopia.....	20	10	10				
Tanzania.....	18	0	49				
Other countries.....	1	0	8				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 125.—Feed and industrial molasses: Mainland production, inshipments and foreign trade, and total market supplies in the United States, 1973-86**

Year	Production in mainland areas						Inshipments from Hawaii
	Mainland cane	Domestic beet	Refiners' blackstrap	Citrus	Hydrol	Total	
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	598,296	842,055	239,084	52,380	122,471	1,854,286	271,699
1974.....	543,546	830,224	239,617	56,379	125,133	1,794,899	235,160
1975.....	667,891	1,001,997	239,617	54,196	130,458	2,094,159	262,774
1976.....	701,523	841,299	267,902	30,895	197,018	2,038,637	249,244
1977.....	608,786	839,665	269,798	27,599	211,395	2,007,243	224,409
1978.....	568,317	746,704	237,293	22,630	221,981	1,796,895	274,702
1979.....	571,826	723,397	207,929	18,440	214,686	1,736,278	306,374
1980.....	584,015	603,393	184,531	38,663	211,534	1,617,076	257,732
1981.....	689,621	1,093,561	254,295	32,662	103,653	2,173,792	293,620
1982.....	876,053	909,425	203,360	21,358	55,378	1,865,574	261,510
1983.....	655,024	866,723	168,001	24,542	48,456	1,762,746	289,440
1984.....	633,649	907,535	184,237	33,371	.....	1,758,792	266,409
1985.....	697,007	879,019	136,184	.....	.....	1,712,210	235,987
1986.....	722,003	1,025,427	127,386	.....	.....	1,874,816	273,683

  

Year	United States imports from foreign countries					Mainland exports <sup>1</sup>	Total market supplies available
	Brazil	Dominican Republic	Mexico	Other	Total		
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	280,793	239,654	634,888	992,237	2,147,572	24,920	4,248,637
1974.....	330,463	167,173	589,595	958,972	2,046,203	67,332	4,008,930
1975.....	165,857	129,867	396,406	922,811	1,614,941	33,600	3,938,274
1976.....	243,866	146,502	424,973	1,374,190	2,189,531	59,718	4,417,694
1977.....	164,734	56,800	473,147	1,156,480	1,851,161	121,896	3,960,917
1978.....	49,095	68,663	519,734	805,586	1,443,078	108,040	3,406,635
1979.....	51,182	87,125	344,840	750,687	1,233,834	102,700	3,173,786
1980.....	27,764	126,683	180,335	412,497	747,279	125,964	2,496,123
1981.....	103,009	141,118	34,755	764,318	1,043,200	94,675	3,415,937
1982.....	.....	170,554	105,170	809,131	1,084,855	251,318	2,960,621
1983.....	21,848	183,126	124,563	1,142,778	1,472,315	259,029	3,265,472
1984.....	54,489	154,686	94,068	1,066,521	1,369,764	140,449	3,254,516
1985.....	203,080	99,113	161,142	1,180,200	1,643,535	196,134	3,395,598
1986.....	306,340	136,687	87,436	1,200,088	1,230,551	399,132	2,979,918

<sup>1</sup> Does not include exports from Hawaii and Puerto Rico.  
Agricultural Marketing Service.

**Table 126.—Edible syrups, molasses, and honey: Production, foreign trade, and indicated domestic consumption, United States, 1973-87**

Year	Production <sup>1</sup>						Imports			
	Syrups				Honey	Total	Maple syrup	Edible molasses and cane syrup <sup>3</sup>	Honey	Total
	Corn	Maple <sup>2</sup>	Refiners	Edible molasses						
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
1973 <sup>4</sup>	451,264	857	2,309	1,926	20,193	476,549	803	2,857	900	4,560
1974	498,313	1,087	2,564	1,559	15,866	519,389	801	2,469	2,196	5,466
1975	561,215	1,207	2,482	2,114	16,823	583,841	607	2,483	3,917	7,007
1976	615,498	927	2,403	2,574	16,756	638,158	886	3,188	5,608	9,682
1977	695,196	1,221	2,197	2,538	15,076	716,228	867	1,773	5,396	8,036
1978	751,809	1,154	2,571	2,750	19,466	777,750	811	2,077	4,727	7,615
1979	845,741	1,219	2,524	2,900	20,160	872,544	857	2,944	4,948	8,749
1980	941,056	973	1,983	1,900	16,871	962,783	855	3,422	4,143	8,420
1981	1,073,933	1,410	1,446	2,100	15,703	1,094,592	1,046	2,040	6,530	9,616
1982	1,212,759	1,292	1,003	1,550	18,666	1,235,270	1,154	2,566	7,767	11,487
1983	1,334,557	1,150	1,000	1,850	17,314	1,355,871	1,287	2,336	9,277	12,900
1984	1,501,377	1,366	950	2,070	13,936	1,519,699	1,248	3,495	10,869	15,112
1985	1,721,980	1,325	1,100	1,650	12,669	1,738,724	1,323	4,164	11,676	17,163
1986	1,726,348	937	( <sup>5</sup> )	1,700	16,925	1,745,910	1,672	8,095	10,000	19,767
1987 <sup>6</sup>	1,780,607	791	( <sup>5</sup> )	1,630	19,157	1,802,185	1,493	6,905	4,921	13,319

  

Year	Exports			Indicated domestic consumption				
	Corn syrup	Honey	Total	Syrups			Honey	Total
				Corn	Maple	Cane and refiners syrup and edible molasses		
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
1973 <sup>4</sup>	1,377	1,485	2,862	449,887	1,660	7,170	19,609	478,326
1974	1,736	386	2,122	496,577	1,888	6,631	17,676	522,772
1975	1,070	337	1,407	560,145	1,814	7,079	20,403	589,441
1976	1,674	396	2,070	613,824	1,813	8,165	21,968	645,770
1977	1,543	466	2,009	693,653	2,088	6,508	20,006	722,255
1978	1,694	679	2,373	750,115	1,965	7,398	23,514	782,992
1979	1,207	747	1,954	844,534	2,076	8,368	24,361	879,339
1980	3,498	722	4,220	937,558	1,828	7,620	20,292	967,298
1981	2,916	777	3,693	1,071,017	2,456	5,586	21,456	1,100,515
1982	791	721	1,512	1,211,968	2,446	5,119	25,712	1,245,245
1983	1,223	630	1,853	1,333,334	2,437	5,186	25,961	1,366,918
1984	656	627	1,283	1,500,721	2,614	6,515	24,178	1,534,028
1985	534	549	1,083	1,721,446	2,648	6,914	23,796	1,754,804
1986	638	778	1,416	1,725,710	2,609	9,795	26,147	1,764,261
1987 <sup>6</sup>	938	1,045	1,983	1,779,669	2,284	8,535	23,033	1,813,521

<sup>1</sup> Production of cane syrup and edible molasses is from the fall of the preceding year.

<sup>2</sup> Does not include varying quantities produced on nonfarm lands in Somerset County, Maine.

<sup>3</sup> U.S. Department of Commerce molasses and sugar syrups series.

<sup>4</sup> Estimates for 1973-1977 from U.S. International Trade Commission Publication 881, April 1978. Corn syrup production includes high-fructose corn syrup beginning 1973.

<sup>5</sup> Production data discontinued.

<sup>6</sup> Preliminary.

Economic Research Service.

Table 127.—Tobacco: Area, yield, production, and value, United States, 1973–87

Year	Area harvested	Yield per acre	Production <sup>1</sup>	Marketing year average price per pound received by farmers	Value of production
	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973	886,590	1,965	1,742,105	0.901	1,569,440
1974	962,620	2,067	1,989,728	1.086	2,159,875
1975	1,036,650	2,008	2,182,304	1.026	2,238,288
1976	1,046,920	2,041	2,136,674	1.125	2,404,337
1977	965,800	1,982	1,914,129	1.186	2,270,360
1978	969,730	2,101	2,024,820	1.324	2,679,967
1979	827,700	1,844	1,526,516	1.411	2,153,911
1980	921,020	1,939	1,786,225	1.523	2,720,406
1981	976,580	2,113	2,063,589	1.706	3,520,373
1982	912,730	2,185	1,994,494	1.764	3,518,958
1983	789,155	1,811	1,428,969	1.746	2,495,676
1984	791,700	2,183	1,727,962	1.806	3,120,850
1985	688,020	2,197	1,511,638	1.645	2,486,520
1986	581,550	2,001	1,163,940	1.522	1,771,578
1987 <sup>2</sup>	590,440	2,026	1,196,086	1.570	1,877,483

<sup>1</sup> Production figures are on farm-sales-weight basis.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 128.—Tobacco: Area, yield, and production, by States, 1985–87

State	Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
CO	2,000	1,990	1,800	1,658	1,539	1,509	3,315	3,062	2,716
FL	6,100	5,300	5,600	2,675	2,510	2,465	16,318	13,303	13,804
GA	36,000	31,000	32,000	2,280	2,190	2,255	82,080	67,890	72,160
IN	6,500	5,900	5,400	2,240	2,050	2,050	14,560	12,095	11,070
KY	186,300	153,300	148,300	2,300	2,054	2,056	428,409	314,940	304,845
MD	20,000	16,000	15,000	1,330	1,320	1,250	26,600	21,120	18,750
MA	490	470	520	1,594	1,323	1,256	781	622	653
MO	2,500	2,100	1,700	2,180	2,090	2,070	5,450	4,389	3,519
NC	250,700	214,600	224,900	2,220	2,073	2,075	556,522	444,790	466,592
OH	7,920	7,420	7,350	2,140	1,829	1,639	16,946	13,574	12,044
PA	11,500	11,000	11,000	1,904	1,985	1,882	21,900	21,830	20,700
SC	43,000	37,000	42,000	2,300	2,040	2,240	98,900	75,480	94,080
TN	61,710	49,180	49,440	2,065	1,682	1,766	127,403	82,821	87,291
VA	43,300	38,430	39,430	2,104	1,913	1,950	91,092	73,524	76,900
WV	1,800	1,600	1,800	1,880	1,650	1,440	3,384	2,640	2,592
WI	8,200	6,200	4,200	2,192	1,913	1,993	17,978	11,860	8,370
US	688,020	581,550	590,440	2,197	2,001	2,026	1,511,638	1,163,940	1,196,086

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 129.—Tobacco: Area, yield, and production in specified countries, 1985-87

Continent and country	Area harvested			Yield per hectare			Production <sup>2</sup>		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Hec- tares	Hec- tares	Hec- tares	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
North and Central America incl. Caribbean:									
Canada.....	38,693	30,440	26,471	2.27	2.30	2.28	87,855	70,113	60,450
Costa Rica.....	1,589	1,065	950	1.61	1.80	1.75	2,306	1,912	1,662
Cuba.....	55,000	55,000	55,000	.84	.78	.80	46,000	43,000	44,000
Dominican Republic.....	23,000	26,800	22,798	1.18	1.08	1.39	27,145	28,940	3,656
El Salvador.....	688	688	500	1.83	1.83	2.79	1,256	1,256	1,394
Guatemala.....	6,188	4,216	4,370	1.40	1.69	1.67	8,660	7,109	7,303
Haiti.....	565	565	565	1.29	1.29	1.29	730	730	730
Honduras.....	3,399	2,294	2,372	1.51	1.74	1.67	5,139	3,982	3,963
Jamaica.....	1,094	1,175	1,175	1.27	1.99	1.99	1,387	2,339	2,339
Mexico.....	39,865	46,128	47,443	1.37	1.69	1.03	54,509	78,015	48,720
Nicaragua.....	2,240	2,240	2,240	2.03	2.03	2.03	4,550	4,550	4,550
Panama.....	760	740	720	1.77	1.86	1.81	1,343	1,378	1,302
Trinidad-Tobago.....	100	100	100	1.70	1.70	1.70	170	170	170
United States (incl. Puerto Rico).....	278,599	235,353	238,951	2.46	2.24	2.27	686,875	527,960	542,544
Total.....	451,780	406,804	403,655	2.05	1.90	1.86	927,181	771,454	750,783
South America:									
Argentina.....	52,966	50,350	53,100	1.14	1.32	1.32	60,453	66,361	70,231
Brazil.....	268,000	267,000	276,000	1.53	1.44	1.49	411,000	388,000	410,000
Bolivia.....	1,250	1,250	1,250	1.00	1.00	1.00	1,250	1,250	1,250
Chile.....	2,472	2,389	2,613	3.14	3.34	3.38	7,764	7,980	8,825
Colombia.....	20,568	23,277	21,627	1.56	1.56	1.47	32,100	36,380	31,793
Ecuador.....	1,900	1,800	1,800	2.14	2.14	2.13	4,062	3,850	3,850
Guyana.....	100	100	100	1.00	1.00	1.00	100	100	100
Paraguay.....	5,850	5,000	9,302	1.25	1.16	1.29	7,320	5,800	12,000
Peru.....	2,500	2,500	2,500	1.24	1.24	1.24	3,100	3,100	3,100
Uruguay.....	800	800	800	1.75	1.75	1.75	1,400	1,400	1,400
Venezuela.....	8,000	7,950	8,014	1.80	1.70	1.66	14,429	13,516	13,300
Total.....	364,406	362,416	377,106	1.49	1.45	1.47	542,978	524,737	555,849
Europe:									
Belgium and Luxembourg.....	534	550	384	3.49	3.75	2.81	1,864	2,062	1,079
France.....	14,453	15,135	14,349	2.41	2.55	2.36	34,879	38,597	33,923
Germany, Fed. Rep. of.....	2,988	3,152	3,200	2.72	2.47	2.50	8,113	7,792	8,000
Greece.....	98,680	99,469	92,017	1.51	1.50	1.57	148,466	148,779	144,045
Italy.....	80,976	79,035	77,900	2.06	2.10	1.98	166,491	145,500	154,500
Portugal (incl. Azores).....	1,813	1,986	2,001	2.13	2.15	1.95	3,869	4,264	3,900
Spain (incl. Canary Is.).....	19,215	22,352	24,691	2.19	1.73	1.47	42,019	38,698	36,210
Total EC.....	218,659	221,679	214,542	1.76	1.72	1.79	405,701	385,152	381,657
Austria.....	261	263	264	1.73	1.75	1.70	451	460	450
Switzerland.....	723	724	712	2.28	2.72	1.83	1,650	1,970	1,306
Total Western Europe.....	219,643	222,666	215,518	1.86	1.74	1.78	407,802	387,582	383,413
Albania.....	24,000	24,000	24,000	.54	.54	.54	13,000	13,000	13,000
Bulgaria.....	105,500	104,000	103,500	1.20	1.08	1.29	126,940	112,250	134,000
Czechoslovakia.....	3,878	3,880	3,700	1.47	1.47	1.35	5,600	5,700	5,000
Germany, Dem. Rep. of.....	3,800	4,000	3,800	1.63	1.61	1.70	6,204	6,439	6,450
Hungary.....	12,500	12,200	10,700	1.87	2.21	2.05	23,400	27,000	21,903
Poland.....	52,976	50,381	48,426	2.10	2.49	2.40	111,065	125,211	116,100
Romania.....	34,000	35,000	34,500	.79	1.00	.93	27,000	35,000	27,000
Yugoslavia.....	68,272	73,000	61,000	1.17	1.32	.99	80,000	96,000	72,000
Total Eastern Europe.....	304,926	306,461	289,626	1.29	1.45	1.29	393,299	445,350	373,703
Total Europe.....	524,569	529,127	505,144	1.53	1.57	1.50	801,101	832,932	757,116
Soviet Union.....	193,500	165,000	161,000	1.97	1.95	1.84	381,000	321,000	296,000
Africa:									
Algeria.....	6,000	6,000	6,000	1.00	1.00	1.00	6,000	6,000	6,000
Angola.....	3,950	3,950	3,950	.99	.99	.99	3,900	3,900	3,900
Burundi.....	2,000	2,000	2,000	.80	.80	.80	1,600	1,600	1,600
Cameroon.....	2,300	2,300	2,300	1.13	1.13	1.13	2,600	2,600	2,480
Congo.....	4,100	4,100	4,100	.44	.44	.44	1,800	1,800	1,800
Ghana.....	3,950	3,535	3,509	.46	.48	.36	1,832	1,707	1,246
Ivory Coast.....	250	250	250	1.00	1.00	1.20	250	250	300

See footnotes at end of table.



Table 129.—Tobacco: Area, yield, and production in specified countries, 1985-87—  
Continued

Continent and country	Area harvested			Yield per hectare			Production <sup>2</sup>		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Hec- tares	Hec- tares	Hec- tares	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
<b>Africa—Continued</b>									
Kenya.....	4,830	4,830	4,830	1.76	1.76	1.76	8,500	8,500	8,500
Liberia.....	10	10	10	1.00	1.00	1.00	10	10	10
Libya.....	900	900	900	1.61	1.61	1.61	1,450	1,450	1,450
Madagascar.....	5,900	5,900	5,900	.90	.90	.90	5,300	5,300	5,300
Malawi.....	79,442	93,159	89,925	.97	.98	.74	77,083	63,713	66,150
Mauritius.....	768	768	768	1.36	1.36	1.36	1,044	1,044	1,044
Morocco.....	2,552	2,693	3,300	1.40	1.55	1.48	3,565	4,177	4,897
Mozambique.....	2,700	2,700	2,700	1.07	1.07	1.07	2,900	2,900	2,900
Nigeria.....	12,534	8,608	8,198	.93	1.00	.93	11,602	86,30	7,642
Sierra Leone.....	540	540	540	1.07	1.07	1.07	580	580	580
South Africa.....	34,041	32,241	26,053	1.10	1.07	1.07	37,360	34,630	27,780
Tanzania.....	20,900	21,150	21,250	.56	.75	.80	11,795	15,899	17,055
Tunisia.....	4,332	4,608	4,450	.84	1.10	1.13	3,650	5,088	5,040
Uganda.....	4,300	4,300	4,300	.26	.26	.26	1,100	1,100	1,100
Zambia.....	2,108	3,480	3,500	1.24	1.37	1.04	2,619	4,756	3,650
Zaire.....	3,700	3,700	3,700	1.11	1.11	1.11	4,110	4,110	4,110
Zimbabwe.....	55,155	59,092	65,670	1.97	1.98	2.00	108,711	116,964	131,483
Total.....	257,262	270,905	268,133	1.16	1.10	1.15	299,361	296,708	309,527
<b>Mid East and Asia:</b>									
Bangladesh.....	52,305	54,000	54,000	.94	.96	.96	49,330	51,545	51,545
Burma.....	70,000	70,000	70,000	1.64	1.64	1.64	115,080	115,080	115,080
China.....	1,313,000	1,125,400	1,142,000	1.85	1.52	1.70	3,425,000	1,707,000	1,945,000
Taiwan.....	9,052	9,045	9,070	2.80	2.68	2.70	25,357	24,322	24,490
Cyprus.....	161	161	161	1.50	1.50	1.50	241	241	241
India.....	430,600	400,500	393,800	1.10	1.10	1.20	479,800	439,400	460,260
Indonesia.....	301,800	268,005	279,358	.57	.58	.55	172,509	154,111	154,020
Iran.....	18,000	18,000	18,000	1.39	1.39	1.39	25,000	25,000	25,000
Iraq.....	17,000	21,000	22,000	1.00	.81	.91	17,000	17,000	20,000
Israel.....	1,000	900	600	.80	.67	.62	796	605	370
Japan.....	47,801	47,706	42,327	2.43	2.48	2.47	116,209	118,220	104,400
Jordan.....	2,850	2,850	2,850	.98	.98	.98	2,803	2,800	2,800
Kampuchea.....	9,000	9,000	9,000	.56	.56	.56	5,000	5,000	5,000
Korea, Dem. Peo. Rep. of.....	37,000	37,000	37,000	1.24	1.24	1.24	46,000	46,000	46,000
Korea, Rep. of.....	36,440	34,456	35,274	2.08	2.41	2.21	75,679	82,982	78,039
Laos.....	4,000	4,000	4,000	.75	.75	.75	3,000	3,000	3,000
Lebanon.....	3,750	3,750	3,750	1.33	1.33	1.33	5,000	5,000	5,000
Malaysia.....	16,528	16,250	12,165	.57	.88	.94	9,379	14,297	11,388
Pakistan.....	50,200	45,571	38,996	1.74	1.72	1.77	87,400	78,290	69,200
Philippines.....	56,303	56,573	47,898	1.35	1.29	1.66	75,871	72,802	79,417
Singapore.....	30	30	30	1.67	1.67	1.67	50	50	50
Sri Lanka.....	12,165	12,165	12,165	.74	.74	.74	9,000	9,000	9,000
Syria.....	12,485	13,969	15,117	1.11	1.19	1.11	13,899	16,617	16,719
Thailand.....	68,987	61,536	59,141	1.10	1.06	1.13	75,624	64,991	67,087
Turkey.....	176,872	187,830	202,805	.96	.86	.87	170,491	161,500	177,188
Vietnam.....	32,000	32,000	32,000	.88	.88	.88	28,000	28,000	28,000
Total.....	2,779,429	2,531,697	2,534,066	1.45	1.28	1.38	4,026,518	3,242,853	3,498,294
<b>Oceania:</b>									
Australia.....	5,394	4,641	5,500	2.51	2.41	2.44	13,549	11,200	13,400
New Zealand.....	620	620	620	2.55	2.55	2.55	1,580	1,580	1,580
Total.....	6,014	5,261	6,120	2.52	2.43	2.45	15,129	12,780	14,980
World total.....	4,576,860	4,271,210	4,255,164	1.53	1.41	1.45	6,993,012	6,005,464	6,181,549

<sup>1</sup> Preliminary.

<sup>2</sup> Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1978–87 (farm-sales-weight basis)**

Type and crop year	Area	Yield per acre	Production	Stocks <sup>1</sup>	Supply	Disappearance			Av. price per pound to growers
						Total	Exports <sup>2</sup>	Domestic	
<b>Total flue-cured, types 11–14:</b>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1978.....	602,090	2,046	1,231,643	2,051,906	3,283,549	<sup>3</sup> 1,182,955	598,669	584,286	135.0
1979.....	502,800	1,881	945,775	2,074,828	3,020,603	<sup>3</sup> 1,083,205	520,000	563,205	140.0
1980.....	555,110	1,957	1,086,099	1,965,386	3,051,485	<sup>3</sup> 1,038,513	508,916	529,597	144.5
1981.....	540,600	2,164	1,169,733	2,012,570	3,182,303	<sup>3</sup> 1,011,732	522,947	488,795	166.4
1982.....	472,300	2,131	1,006,527	2,145,138	3,151,665	<sup>3</sup> 934,737	455,875	478,777	178.5
1983.....	409,800	2,004	821,288	2,204,654	3,025,942	<sup>3</sup> 894,150	452,544	441,606	177.9
1984.....	392,000	2,206	864,625	2,165,304	3,029,929	<sup>3</sup> 934,785	480,493	454,292	181.1
1985.....	357,100	2,241	800,258	2,080,119	2,880,377	<sup>3</sup> 911,494	435,085	476,409	171.9
1986.....	308,300	2,091	644,563	1,958,025	2,602,518	<sup>3</sup> 872,932	393,191	479,741	152.7
1987 <sup>4</sup> .....	324,600	2,129	690,914	1,751,991	2,442,905				158.7
<b>Total fire-cured, types 21–23:</b>									
1978.....	33,200	1,755	58,260	59,678	117,938	41,937	25,820	16,117	110.4
1979.....	26,890	1,674	45,005	76,001	121,006	43,728	22,463	21,265	114.3
1980.....	23,260	1,559	36,260	77,278	113,538	42,190	19,865	22,325	138.3
1981.....	24,650	1,526	37,624	71,348	108,372	37,558	21,177	16,381	157.1
1982.....	28,310	1,881	53,256	71,352	124,608	45,680	22,079	23,601	152.0
1983.....	26,210	1,417	37,138	78,928	116,066	43,837	22,883	22,954	174.8
1984.....	28,290	2,001	56,620	72,229	128,849	34,466	17,783	16,683	151.4
1985.....	25,110	2,007	50,385	94,383	144,768	42,509	21,187	21,322	146.9
1986.....	21,080	1,958	41,271	102,259	143,530	40,518	22,495	18,023	143.1
1987 <sup>4</sup> .....	13,860	1,990	27,575	103,015	130,590				149.4
<b>Virginia fire-cured, type 21:</b>									
1978.....	6,100	1,120	6,832	8,669	15,501	4,604	3,648	956	94.5
1979.....	4,800	1,135	5,448	10,897	16,345	7,082	3,788	3,294	107.9
1980.....	3,900	935	3,647	9,263	12,910	4,632	2,033	2,599	129.1
1981.....	4,100	1,265	5,187	8,278	13,198	4,531	2,711	1,820	131.2
1982.....	4,800	1,150	5,520	8,872	14,392	4,139	1,510	2,629	117.6
1983.....	4,700	985	4,630	10,253	14,883	6,837	2,104	4,733	126.8
1984.....	4,600	1,325	6,095	8,046	14,141	4,095	3,017	1,078	117.8
1985.....	3,600	1,245	4,482	10,046	14,528	8,627	4,709	3,918	124.0
1986.....	2,900	1,220	3,538	5,901	9,439	2,387	2,043	344	127.8
1987 <sup>4</sup> .....	2,600	1,000	2,600	7,055	9,655				131.5
<b>Kentucky and Tennessee fire-cured, types 22–23:</b>									
1978.....	27,100	1,898	51,428	51,009	102,437	37,333	22,172	15,161	113.6
1979.....	22,090	1,791	39,557	65,104	104,661	36,646	18,675	17,971	115.2
1980.....	19,360	1,685	32,613	68,015	100,628	37,558	17,832	19,726	139.4
1981.....	20,550	1,578	32,437	63,070	100,064	33,027	18,466	14,561	161.1
1982.....	23,510	2,030	47,736	62,480	110,216	41,541	20,569	20,972	156.0
1983.....	21,510	1,511	32,508	68,675	101,183	37,000	20,779	16,221	181.7
1984.....	23,690	2,133	50,525	64,183	114,708	30,371	14,766	15,605	155.4
1985.....	21,510	2,134	45,903	84,337	130,240	33,882	16,478	17,404	149.2
1986.....	18,180	2,078	37,773	96,358	134,131	38,131	20,452	17,679	144.5
1987 <sup>4</sup> .....	11,260	2,218	24,975	95,960	120,935				151.3
<b>Burley, type 31:</b>									
1978.....	261,000	2,396	626,273	1,218,439	1,844,702	<sup>3</sup> 624,304	121,471	502,833	131.2
1979.....	238,100	1,873	445,845	1,211,735	1,657,580	<sup>3</sup> 631,750	133,283	498,467	145.2
1980.....	276,600	2,027	560,783	1,025,812	1,586,595	<sup>3</sup> 583,124	105,494	477,630	165.9
1981.....	331,200	2,203	729,774	1,000,221	1,729,995	<sup>3</sup> 604,917	141,016	463,898	180.7
1982.....	346,200	2,374	821,918	1,120,907	1,942,825	<sup>3</sup> 578,875	134,448	444,027	180.1
1983.....	292,600	1,645	481,439	1,318,726	1,800,165	<sup>3</sup> 501,031	112,305	388,726	177.3
1984.....	315,700	2,256	712,209	1,344,395	2,056,604	<sup>3</sup> 556,193	153,627	402,566	187.6
1985.....	255,100	2,247	573,321	1,461,915	2,035,236	<sup>3</sup> 575,566	150,631	424,935	159.4
1986.....	210,700	1,936	407,922	1,428,249	1,836,171	<sup>3</sup> 567,067	165,275	401,792	156.5
1987 <sup>4</sup> .....	215,800	1,943	419,360	1,281,015	1,700,375				156.3
<b>Maryland, type 32:</b>									
1978.....	24,000	1,275	30,600	50,606	81,206	31,156	10,144	21,012	123.1
1979.....	19,500	1,130	22,035	50,050	72,085	33,556	9,987	23,569	139.7
1980.....	23,990	1,091	26,176	38,529	64,705	27,295	8,739	18,556	167.9
1981.....	36,230	1,281	46,424	37,410	83,834	36,472	8,088	28,384	157.3
1982.....	29,340	1,433	42,049	47,362	89,411	38,898	12,935	25,963	146.1
1983.....	31,300	1,196	37,440	50,513	87,953	33,844	4,108	29,736	106.9
1984.....	27,300	1,396	38,100	54,109	92,209	37,700	9,030	28,670	132.0
1985.....	23,000	1,400	32,900	54,509	87,409	35,751	7,982	27,769	129.0
1986.....	19,400	1,430	27,750	53,408	81,158	30,493	6,559	23,934	106.5
1987 <sup>4</sup> .....	19,000	1,376	26,150	50,665	76,815				113.9

See footnotes at end of table.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1978-87 (farm-sales-weight basis)—Continued

Type and crop year	Area	Yield per acre	Production	Stocks <sup>1</sup>	Supply	Disappearance			Av. price per pound to growers
						Total	Exports <sup>2</sup>	Domestic	
Total dark air-cured, types 35-37:			1,000	1,000	1,000	1,000	1,000	1,000	Cents
1978	11,980	1,923	23,034	32,194	55,228	18,901	2,894	16,007	98.7
1979	10,240	1,633	16,717	36,327	53,044	16,832	2,035	14,797	111.0
1980	9,690	1,716	16,624	36,192	52,816	14,752	2,440	12,312	126.5
1981	10,210	1,599	16,330	38,064	54,394	14,879	2,284	12,595	133.0
1982	10,770	1,916	20,636	39,515	60,151	16,449	946	15,503	122.3
1983	9,190	1,597	14,673	43,702	58,375	14,350	2,284	12,066	150.8
1984	9,240	2,118	19,569	44,025	63,594	14,361	2,532	11,829	126.9
1985	7,700	2,002	15,419	49,233	64,652	12,793	2,944	9,849	125.9
1986	5,490	2,036	11,180	51,589	63,039	13,381	2,513	10,868	120.1
1987 <sup>4</sup>	3,610	1,932	6,976	49,827	56,803				129.9
One Sucker, type 35:									
1978	8,100	2,000	16,200	16,305	32,505	13,065	2,329	10,736	98.3
1979	7,100	1,661	11,792	19,440	31,232	11,460	1,816	9,644	114.1
1980	7,100	1,747	12,402	19,722	32,174	8,867	2,278	6,589	126.5
1981	7,400	1,636	12,103	23,307	35,410	9,819	2,133	7,686	136.0
1982	7,400	1,959	14,497	25,591	40,088	10,878	787	10,091	122.4
1983	6,000	1,621	9,728	29,210	38,938	10,265	2,105	8,160	155.4
1984	6,100	2,151	13,120	28,673	41,793	10,518	1,948	8,570	131.1
1985	5,200	2,058	10,704	31,275	41,979	9,864	2,130	7,734	129.3
1986	3,660	1,979	7,244	32,115	39,245	8,783	2,405	6,378	122.5
1987 <sup>4</sup>	2,380	1,952	4,646	30,576	35,222				138.0
Green River, type 36:									
1978	3,150	1,890	5,954	14,055	20,009	5,300	373	4,927	101.1
1979	2,600	1,675	4,355	14,709	19,064	4,648	20	4,628	105.3
1980	2,200	1,740	3,828	14,396	18,224	5,093	55	5,038	126.5
1981	2,300	1,545	3,554	13,131	17,271	4,836	8	4,328	123.1
1982	2,800	1,930	5,404	12,349	17,753	4,712	80	4,632	124.3
1983	2,700	1,690	4,563	13,041	17,604	3,613	68	3,545	142.5
1984	2,700	2,170	5,859	13,991	19,850	3,310	425	2,885	120.7
1985	2,300	1,950	4,485	16,540	21,540	2,214	566	1,648	119.0
1986	1,700	2,220	3,774	18,311	22,585	4,466	0	4,466	115.4
1987 <sup>4</sup>	1,100	2,000	2,200	18,119	20,319				114.4
Virginia sun-cured, type 37:									
1978	730	1,205	880	1,834	2,714	536	192	344	88.8
1979	540	1,055	570	2,178	2,748	724	199	525	90.8
1980	390	1,010	394	2,024	2,418	792	107	685	127.1
1981	510	1,320	673	1,626	2,275	724	143	581	131.7
1982	570	1,290	735	1,575	2,310	859	79	780	106.4
1983	490	780	382	1,451	1,833	472	111	361	132.5
1984	440	1,340	590	1,361	1,951	533	159	374	94.3
1985	200	1,150	230	1,418	1,648	715	248	467	100.0
1986	130	1,245	162	933	1,095	132	108	24	124.2
1987 <sup>4</sup>	130	1,000	130	1,132	1,262				102.5
Total continental cigar filler, types 41-44:									
1978	14,600	1,930	28,180	61,081	89,261	27,328	145	27,183	62.2
1979	12,500	1,572	19,646	61,933	81,579	28,684	266	28,418	89.0
1980	14,400	1,881	27,080	52,895	79,975	23,871	537	23,334	88.8
1981	15,000	1,981	29,713	56,104	85,817	29,098	211	28,887	82.1
1982	12,500	1,993	24,910	56,719	81,629	21,621	393	21,228	75.4
1983	9,100	1,776	16,163	60,008	76,171	22,355	304	22,051	82.1
1984	8,800	1,913	16,830	53,816	76,646	22,005	210	21,795	90.0
1985	8,820	1,959	17,281	48,641	65,922	17,128	230	16,898	72.6
1986	7,920	1,984	15,710	48,794	64,504	26,094	195	25,899	66.7
1987 <sup>4</sup>	7,050	1,897	13,372	38,417	51,789				72.1
Pennsylvania seedleaf filler, type 41:									
1978	13,000	1,940	25,220	54,085	79,305	23,633	145	23,488	62.0
1979	11,200	1,580	17,696	55,672	73,368	24,273	266	24,007	72.0
1980	13,000	1,900	24,700	49,095	73,795	21,705	537	21,168	87.0
1981	13,300	2,050	27,265	52,090	79,355	27,012	211	26,801	80.0
1982	10,700	2,000	21,400	52,343	73,743	19,618	393	19,225	73.0
1983	7,700	1,850	14,245	54,125	68,370	20,415	304	20,111	83.0
1984	7,700	1,900	14,630	47,955	62,585	20,125	210	19,915	90.0
1985	8,000	1,950	15,600	42,460	58,060	16,339	230	16,109	71.0
1986	7,600	2,000	15,200	41,721	56,921	24,825	195	24,630	66.0
1987 <sup>4</sup>	7,000	1,900	13,300	32,096	45,396				72.0

See footnotes at end of table.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1978-87 (farm-sales-weight basis)—Continued

Type and crop year	Area	Yield per acre	Production	Stocks <sup>1</sup>	Supply	Disappearance			Av. price per pound to growers
						Total	Exports <sup>2</sup>	Domestic	
Miami Valley (Ohio) filler, types 42-44:			1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Cents
1978	1,600	1,850	2,960	6,996	9,956	3,695		3,695	64.0
1979	1,300	1,500	1,950	6,261	8,211	4,411		4,411	87.0
1980	1,400	1,700	2,380	3,800	6,180	2,166		2,166	107.0
1981	1,700	1,440	2,448	2,060	4,508	2,086		2,086	105.0
1982	1,800	1,950	3,510	4,376	7,886	2,003		2,003	90.0
1983	1,400	1,370	1,918	5,883	7,801	1,940		1,940	75.0
1984	1,100	2,000	2,200	5,861	8,061	1,880		1,880	90.0
1985	820	2,050	1,681	6,181	7,862	789		789	87.0
1986	320	1,595	510	7,073	7,583	1,269		1,269	89.0
1987 <sup>4</sup>	50	1,440	72	6,321	6,393				96.0
Puerto Rican filler, type 46: <sup>5</sup>									
1978	2,300	1,400	3,107	6,432	9,539	2,594		2,594	57.0
1979	2,000	1,000	2,019	6,945	8,964	886		886	69.1
1980	1,100	1,380	1,520	8,078	10,578	1,644		1,644	73.5
1981	600	1,000	600	7,968	7,859	1,309		1,309	86.0
1982	300	1,000	300	7,259	7,559	712		712	91.0
1983	800	1,000	800	6,847	7,647	1,587		1,587	91.0
1984	600	1,000	600	6,060	6,660	283		283	74.0
1985	400	1,000	400	6,377	6,777	949		949	74.0
1986	200	1,000	200	6,028	6,228	1,563		1,563	75.0
1987 <sup>4</sup>	200	1,000	200	4,965	5,165				74.7
Total cigar binder, types 51-55:									
1978	13,620	1,684	22,940	50,018	72,958	22,195	88	22,107	105.6
1979	14,370	1,911	27,457	50,763	78,220	23,651	168	23,483	120.9
1980	14,400	1,985	28,590	54,569	83,159	23,504	208	23,296	129.9
1981	15,440	1,932	29,830	61,822	91,652	22,104	123	21,981	118.9
1982	12,200	1,941	23,675	67,099	90,774	23,316	187	23,129	115.2
1983	9,975	1,920	19,156	67,558	86,714	21,048	188	20,860	115.5
1984	9,150	1,998	18,284	65,180	83,464	20,089	313	19,776	116.4
1985	9,330	2,147	20,033	63,375	83,408	23,073	222	22,851	110.6
1986	7,330	1,891	13,860	59,917	73,777	19,973	244	19,729	105.5
1987 <sup>4</sup>	5,240	1,937	10,149	53,804	63,953				112.3
Connecticut Valley binder, types 51-52:									
1978	1,520	1,734	2,635	4,920	7,555	2,071	79	1,992	144.9
1979	1,470	1,637	2,407	5,484	7,891	2,227	167	2,060	161.5
1980	1,500	1,750	2,625	5,664	8,298	2,197	173	2,024	178.8
1981	1,740	1,998	3,477	6,092	9,569	2,483	112	2,371	182.1
1982	2,100	1,685	3,539	7,086	10,625	3,286	185	3,101	180.9
1983	1,375	1,793	2,465	7,270	9,735	3,074	156	2,918	155.7
1984	1,050	1,794	1,884	6,661	8,545	2,603	289	2,314	167.6
1985	1,130	1,819	2,055	5,942	7,997	1,474	222	1,252	177.5
1986	1,130	1,770	2,000	6,523	8,523	2,119	222	1,897	177.5
1987 <sup>4</sup>	1,040	1,711	1,779	6,404	8,183				170.0
Wisconsin binder, types 54-55:									
1978	12,100	1,678	20,305	45,098	65,403	20,124	9	20,115	100.5
1979	12,900	1,942	25,050	45,279	70,923	22,018	1	22,017	117.0
1980	12,900	2,013	25,965	48,905	74,870	21,307	35	21,272	125.0
1981	13,700	1,924	26,353	55,730	82,083	19,621	11	19,610	110.6
1982	10,100	1,994	20,136	60,013	80,149	19,861	2	19,859	103.7
1983	8,600	1,941	16,691	60,288	76,979	18,460	32	18,428	109.6
1984	8,100	2,025	16,400	58,519	74,919	17,486	24	17,462	110.5
1985	8,200	2,192	17,978	57,423	75,401	21,599	0	21,599	103.0
1986	6,200	1,913	11,860	53,394	65,254	17,854	22	17,832	93.4
1987 <sup>4</sup>	4,200	1,993	8,370	47,400	55,770				100.0
Southern Wisconsin, type 54:									
1978	6,200	1,800	11,160	26,047	37,207	11,361		11,361	100.5
1979	6,300	2,080	13,104	25,846	38,950				117.0
1980	6,300	2,110	13,293						125.0
1981	6,400	2,150	13,760						113.0
1982	5,100	2,110	10,761						106.0
1983	4,400	2,080	9,152						110.0
1984	3,900	2,105	8,210						111.0
1985	3,900	2,465	9,614						103.0
1986	2,800	1,965	5,502						95.0
1987 <sup>4</sup>	2,700	2,100	5,670						100.0

See footnotes at end of table.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1978-87 (farm-sales-weight basis)—Continued

Type and crop year	Area	Yield per acre	Production	Stocks <sup>1</sup>	Supply	Disappearance			Av. price per pound to growers
						Total	Exports <sup>2</sup>	Domestic	
Northern Wisconsin, type 55:	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1978.....	5,900	1,550	9,145	19,051	28,196	8,763		8,754	100.5
1979.....	6,600	1,810	11,946	19,433	31,379				117.0
1980.....	6,600	1,920	12,672						125.0
1981.....	7,300	1,725	12,593						108.0
1982.....	5,000	1,875	9,375						101.0
1983.....	4,200	1,795	7,539						109.0
1984.....	4,200	1,950	8,190						110.0
1985.....	4,300	1,945	8,364						103.0
1986.....	3,400	1,870	6,358						92.0
1987 <sup>4</sup> .....	1,500	1,800	2,700						100.0
Total cigar wrapper, types 61-62:									
1978.....	2,710	1,392	3,773	12,704	16,477	6,237	5,294	943	750.0
1979.....	2,720	1,472	4,003	10,240	14,243	6,456	5,389	1,067	850.0
1980.....	2,990	1,513	4,524	7,787	12,311	6,129	3,962	2,167	980.0
1981.....	2,600	1,592	4,138	6,182	10,320	5,056	1,565	3,491	1,000.0
1982.....	1,120	1,421	1,592	5,254	6,846	3,418	1,986	2,432	1,250.0
1983.....	980	1,706	1,672	3,428	5,100	1,361	1,000	361	1,100.0
1984.....	1,220	1,414	1,725	3,739	5,464	2,657	2,180	477	1,250.0
1985.....	1,360	1,501	2,041	2,807	4,848	2,217	2,000	217	1,265.0
1986.....	1,330	1,266	1,684	2,633	4,317	2,130	1,850	280	1,310.0
1987 <sup>4</sup> .....	1,280	1,242	1,590	2,185	3,775				1,550.0
Connecticut Valley shadegrown, type 61:									
1978.....	2,710	1,392	3,773	9,275	13,048	4,927	4,884	43	750.0
1979.....	2,720	1,472	4,003	8,121	12,124	5,380	4,915	465	850.0
1980.....	2,990	1,513	4,524	6,744	11,268				980.0
1981.....	2,600	1,592	4,138	5,333	9,471				1,000.0
1982.....	1,120	1,421	1,592	4,923	6,515				1,250.0
1983.....	980	1,706	1,672	3,312	4,984				1,100.0
1984.....	1,220	1,414	1,725	3,684	5,409				1,250.0
1985.....	1,360	1,501	2,041	2,807	4,848				1,265.0
1986.....	1,330	1,266	1,684	2,633	4,317				1,310.0
1987 <sup>4</sup> .....	1,280	1,242	1,590	2,185	3,775				1,550.0
Georgia-Florida shadegrown, type 62:									
1978.....	0	0	0	3,429	3,429	1,310	410	900	
1979.....				2,119	2,119	1,076	474	602	
1980.....				1,043	1,043				
1981.....				839	839				
1982.....				331	331				
1983.....				116	116				
1984.....				55	55				
1985.....				0	0				
1986.....				0	0				
1987 <sup>4</sup> .....				0	0				
Total tobacco, types 11-72: <sup>5</sup>									
1978.....	965,930	2,099	2,027,927	3,543,603	5,571,530	<sup>3</sup> 1,957,837	764,755	1,193,082	132.2
1979.....	829,200	1,843	1,528,568	3,579,264	5,107,832	<sup>3</sup> 1,868,044	689,269	1,179,775	141.0
1980.....	921,620	1,940	1,787,692	3,258,448	5,046,140	<sup>3</sup> 1,761,022	650,161	1,110,871	152.3
1981.....	976,580	2,114	2,064,211	3,291,217	5,335,428	<sup>3</sup> 1,763,032	697,411	1,065,621	170.6
1982.....	913,030	2,185	1,995,294	3,560,605	5,555,468	<sup>3</sup> 1,664,452	629,224	1,035,228	176.4
1983.....	789,955	1,810	1,429,769	3,834,364	5,264,133	<sup>3</sup> 1,533,563	595,616	937,947	174.5
1984.....	792,300	2,182	1,728,562	3,809,244	5,537,806	<sup>3</sup> 1,622,539	666,168	956,361	180.6
1985.....	688,420	2,196	1,512,038	3,865,380	5,377,418	<sup>3</sup> 1,621,480	620,281	1,011,199	164.5
1986.....	581,750	2,001	1,164,140	3,711,172	4,875,242	<sup>3</sup> 1,572,021	590,472	981,549	152.2
1987 <sup>4</sup> .....	590,640	2,025	1,196,286	3,335,884	4,532,170				157.0

<sup>1</sup> July 1 for flue-cured types 11-14 and cigar types 61 and 62; Oct. 1 for all other types.

<sup>2</sup> Exports by rehanding trade included in totals of types from which they are made.

<sup>3</sup> Disappearance adjusted for tobacco still on farms at end of marketing year.

<sup>4</sup> Preliminary.

<sup>5</sup> Puerto Rican crop planted in the fall of the year shown and harvested the following spring.

<sup>6</sup> Includes Perique.

Economic Research Service. Basic export data from the official reports of the Department of Commerce.

**Table 131.—Tobacco: Stocks owned by dealers and manufacturers, by types, United States, 1983-87 (farm-sales-weight basis) <sup>1</sup>**

Type and year	Jan. 1	Apr. 1	July 1	Oct. 1	Type and year	Jan. 1	Apr. 1	July 1	Oct. 1
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds		1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
<b>Flue-cured, types 11-14:</b>					<b>Miami Valley (Ohio) filler, types 42-44:</b>				
1983	2,692,962	2,390,012	2,204,654	2,604,603	1983	2,793	6,003	6,304	5,883
1984	2,549,772	2,329,840	2,165,304	2,507,122	1984	5,389	6,112	6,376	5,861
1985	2,451,380	2,250,587	2,080,119	2,396,445	1985	4,850	6,503	6,520	6,181
1986	2,360,375	2,132,070	1,958,025	2,216,827	1986	6,045	6,483	6,366	7,073
1987	2,140,894	1,913,456	1,751,991	1,990,329	1987	6,872	7,162	6,923	6,321
<b>Virginia fire-cured, type 21:</b>					<b>Puerto Rican filler, type 46: <sup>2</sup></b>				
1983	11,477	12,558	11,833	10,253	1983	7,320	7,112	6,978	6,847
1984	10,026	10,308	9,603	8,046	1984	6,437	5,959	6,251	6,060
1985	9,455	12,340	11,352	10,046	1985	6,771	6,226	6,257	6,377
1986	6,930	9,218	7,057	5,901	1986	6,194	5,760	5,937	6,028
1987	7,634	8,820	7,907	7,055	1987	6,015	7,061	5,590	4,965
<b>Kentucky and Tennessee fire-cured, types 22-23:</b>					<b>Connecticut Valley, types 51-52:</b>				
1983	53,349	84,017	76,858	68,675	1983	8,124	8,600	8,435	7,290
1984	66,198	78,747	74,863	64,183	1984	7,810	7,664	7,309	6,661
1985	58,745	91,276	89,392	84,337	1985	6,426	6,579	6,087	5,942
1986	74,098	106,235	104,559	96,358	1986	6,240	6,916	7,096	6,523
1987	87,957	115,168	105,550	95,960	1987	6,901	6,446	6,204	6,404
<b>Burley, type 31:</b>					<b>Wisconsin, types 54-55:</b>				
1983	1,447,864	1,560,293	1,442,853	1,318,726	1983	55,887	67,572	65,350	60,288
1984	1,537,072	1,509,179	1,445,596	1,344,395	1984	57,617	68,918	63,350	58,519
1985	1,698,885	1,689,257	1,575,152	1,461,915	1985	56,043	68,582	60,084	57,433
1986	1,714,896	1,709,785	1,562,937	1,428,249	1986	50,057	73,302	58,895	53,394
1987	1,613,402	1,551,786	1,402,255	1,281,015	1987	50,014	57,360	54,671	47,400
<b>Maryland, type 32:</b>					<b>Connecticut Valley shade-grown, type 61:</b>				
1983	38,808	46,321	59,953	50,513	1983	4,485	4,149	3,312	3,792
1984	48,315	52,792	61,578	54,109	1984	4,160	3,920	3,684	3,164
1985	49,001	47,958	58,192	54,509	1985	3,340	2,904	2,807	3,033
1986	48,535	48,123	58,320	53,408	1986	3,527	2,718	2,633	2,365
1987	47,750	45,174	54,388	50,665	1987	2,631	2,309	2,185	1,773
<b>One Sucker, type 35:</b>					<b>Georgia and Florida shade-grown, type 62:</b>				
1983	27,602	34,744	31,811	29,218	1983	105	112	116	104
1984	30,986	31,994	31,091	28,673	1984	64	57	55	38
1985	28,817	35,858	33,664	31,275	1985	8	0	0	0
1986	32,961	35,563	33,475	32,115	1986	0	0	0	0
1987	33,309	33,664	31,468	30,576	1987	0	0	0	0
<b>Green River, type 36:</b>					<b>Perique, type 72:</b>				
1983	12,923	14,999	13,941	13,041	1983	149	144	161	140
1984	14,901	15,951	15,465	13,991	1984	170	187	164	387
1985	14,829	18,683	18,028	16,540	1985	167	200	183	175
1986	17,641	20,928	20,356	18,811	1986	145	208	182	257
1987	20,462	20,202	19,018	18,119	1987	134	198	137	128
<b>Virginia sun-cured, type 37:</b>					<b>Other miscellaneous domestic, type 73:</b>				
1983	1,753	1,751	1,585	1,451	1983	3,846	4,330	4,679	4,532
1984	1,594	1,612	1,480	1,361	1984	7,645	7,234	4,483	3,893
1985	1,402	1,619	1,494	1,418	1985	6,007	3,387	4,159	3,846
1986	1,207	1,857	987	933	1986	2,042	2,169	5,456	10,024
1987	1,049	1,181	1,129	1,132	1987	9,452	9,039	9,292	10,241
<b>Pennsylvania seedleaf, type 41:</b>									
1983	49,881	55,205	58,661	54,125					
1984	50,524	52,612	52,383	47,955					
1985	38,044	49,974	47,138	42,460					
1986	38,430	42,413	45,547	41,721					
1987	36,646	39,623	37,314	32,096					

See footnotes at end of table.

**Table 131.—Tobacco: Stocks owned by dealers and manufacturers, by types, United States, 1983-87 (farm-sales-weight basis) <sup>1</sup>—Continued**

Type and year	Jan. 1	Apr. 1	July 1	Oct. 1	Type and year	Jan. 1	Apr. 1	July 1	Oct. 1
Foreign-grown cigar-leaf, types 81-89:	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Foreign-grown cigarette and smoking, types 91-93:	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1983.....	92,705	88,434	86,546	84,983	1983.....	795,870	901,828	905,923	884,854
1984.....	83,268	89,484	87,599	86,685	1984.....	874,810	894,144	951,258	944,261
1985.....	90,659	85,020	85,916	81,499	1985.....	919,131	881,660	910,240	887,123
1986.....	88,993	86,158	86,133	80,678	1986.....	834,909	855,830	883,416	840,995
1987.....	76,444	72,129	66,697	65,243	1987.....	831,079	883,929	872,901	805,121

<sup>1</sup> Stocks shown have been converted to a farm-sales-weight basis—the equivalent of weight at the time of sale by grower—thereby making these data of leaf-tobacco stocks comparable with data of leaf-tobacco production.

<sup>2</sup> Stocks on the island of Puerto Rico are included.

Agricultural Marketing Service.

**Table 132.—Tobacco products: Cigars, cigarettes, chewing and smoking tobacco, and snuff, manufactured in the United States, 1978-87**

Year	Cigars		Cigarettes		Chewing tobacco				Smoking tobacco	Snuff	Total chewing, smoking, and snuff
	Large, weighing more than 3 pounds per 1,000 <sup>1</sup>	Small, weighing not more than 3 pounds per 1,000	Large, weighing more than 3 pounds per 1,000	Small, weighing not more than 3 pounds per 1,000 <sup>2</sup>	Plug	Twist	Fine-cut	Loose-leaf			
	Millions	Millions	Millions	Millions	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1978.....	3,795	1,645	1.0	695,991	15,895	2,101	11,969	64,591	36,406	25,086	156,048
1979.....	3,601	1,599	2.2	704,243	15,291	2,001	13,318	71,659	32,789	23,700	158,758
1980 <sup>3</sup> .....	3,454	1,440	1.3	714,307	17,345	1,878	14,747	72,071	32,184	24,296	162,521

<sup>1</sup> Cigars produced in bonded manufacturing warehouses are included. <sup>2</sup> "King size" cigarettes included in this category. <sup>3</sup> Last year of series presented in this format. New series began in 1981. See table below.

#### Manufactured

Year	Cigars		Cigarettes		Chewing tobacco			Smoking tobacco			Snuff	Total chewing, smoking, and snuff
	Large	Small	Large <sup>1</sup>	Small	Plug	Twist	Loose-leaf	Pipe	Granulated	Cigarette cut		
	Millions	Millions	Millions	Millions	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1981.....	3,418.0	1,350.3	0.9	727,337.0	17,828	1,820	70,291	26,998	324	3,090	42,457	162,828
1982.....	3,168.8	1,203.5	2.5	694,190.8	15,671	1,748	72,973	25,314	348	2,680	43,750	162,304
1983.....	3,134.8	1,402.9	.8	666,907.9	14,096	1,690	71,028	23,654	378	3,965	46,676	161,487
1984.....	3,129.8	1,255.6	2.9	668,229.5	12,627	1,653	74,407	20,809	310	3,427	49,403	162,636
1985.....	2,825.7	1,244.5	.4	665,172.4	11,338	1,520	74,047	18,425	400	3,225	48,742	157,727
1986.....	2,927.6	487.3	.4	656,828.2	10,408	1,414	69,610	16,025	254	3,065	47,469	148,245
1987 <sup>2</sup> .....	2,131.4	1,141.2	1.0	689,174.1	10,000	1,434	67,270	14,159	69	3,772	47,185	143,889

#### Taxable removals and domestic invoices<sup>3</sup>

1981.....	3,213.3	1,323.0	.7	633,299.4	17,867	1,861	70,519	26,774	321	2,941	41,974	162,257
1982.....	3,556.1	1,304.2	.8	614,018.6	15,322	1,767	70,886	24,527	346	3,022	43,870	159,740
1983.....	3,459.7	1,334.3	1.0	597,468.3	13,935	1,709	70,923	22,975	362	3,639	45,689	159,232
1984.....	3,332.8	1,234.1	.7	597,896.6	12,627	1,632	72,974	20,567	328	3,422	47,672	161,222
1985.....	3,017.1	1,217.8	.3	594,935.8	11,861	1,516	71,732	18,091	384	3,272	48,630	155,486
1986.....	2,904.5	966.6	.2	583,018.9	10,215	1,432	67,147	15,623	256	3,310	46,688	144,671
1987 <sup>2</sup> .....	2,670.5	1,153.4	.5	576,997.3	9,763	1,450	65,181	13,756	13	3,807	45,098	139,181

#### Tax-free removals and exports

1981.....	158.8	11.9	(*)	89,576.5	144	0	50	788	0	3	117	1,102
1982.....	158.2	22.3	(*)	82,117.9	131	0	64	699	0	2	1,008	1,904
1983.....	140.0	16.8	0	69,680.1	132	0	74	610	0	2	951	1,769
1984.....	120.5	13.9	0	66,499.9	102	0	80	433	0	1	1,176	1,792
1985.....	101.3	4.9	0	74,302.8	90	0	97	1,205	0	0	997	2,389
1986.....	101.3	4.9	0	74,302.8	90	0	97	1,205	0	0	997	2,389
1987 <sup>2</sup> .....	82.8	2.4	0	111,198.0	266	0	149	541	0	0	774	1,730

<sup>1</sup> Weighing more than three pounds per thousand. <sup>2</sup> Preliminary. <sup>3</sup> Includes cigars and cigarettes imported or brought into the United States and Puerto Rico. <sup>4</sup> Less than 50,000.

Agricultural Marketing Service.

**Table 133.—Tobacco products: Consumption, total and per capita (18 years of age and over) in the United States, 1973-87<sup>1</sup>**

Year	Cigarettes			Large cigars <sup>2</sup>			Smoking, chewing, and snuff <sup>3</sup>		All tobacco products <sup>3</sup>	
	Total	Per capita	Number	Total	Per capita	Number	Total	Per capita	Total	Per capita
							Million pounds	Pounds		
1973.....	590	1,126	4,148	7.0	109	49	106	0.75	1,362	9.53
1974.....	599	1,142	4,141	6.4	102	44	109	.75	1,361	9.41
1975.....	607	1,188	4,123	5.8	93	39	106	.72	1,346	9.14
1976.....	614	1,102	4,032	5.4	86	36	109	.73	1,291	8.61
1977.....	617	1,101	4,051	5.0	82	33	107	.70	1,296	8.49
1978.....	616	1,086	3,967	4.7	78	30	107	.69	1,258	8.10
1979.....	622	1,145	3,861	4.3	71	27	109	.68	1,330	8.26
1980.....	632	1,113	3,849	4.0	66	24	111	.68	1,295	7.90
1981.....	640	1,089	3,836	3.9	64	23	112	.67	1,266	7.59
1982.....	634	1,094	3,739	3.7	60	22	110	.65	1,265	7.46
1983.....	600	1,065	3,488	3.6	59	21	110	.64	1,237	7.19
1984.....	600	1,025	3,446	3.5	57	20	108	.63	1,193	6.85
1985.....	594	1,042	3,370	3.2	53	18	106	.61	1,204	6.83
1986.....	584	1,022	3,274	3.1	50	17	100	.56	1,175	6.59
1987 <sup>5</sup> .....	575	984	3,201	2.7	44	15	96	.53	1,124	6.26

<sup>1</sup> Includes consumption by overseas forces.<sup>2</sup> Weighing over 3 pounds per 1,000.<sup>3</sup> Unstemmed-processing weight equivalent.<sup>4</sup> Includes weight of small cigars.<sup>5</sup> Preliminary.

Economic Research Service. No adjustment made for quantities lost, destroyed, bartered, etc., under war and postwar conditions, but such adjustments probably would be small in relation to totals.

**Table 134.—Cigarettes and cigars: Total output, domestic consumption, tax-exempt removals, and exports, United States, 1973-87**

Year	Cigarettes				Cigars <sup>3</sup>			
	Total output	Domestic consumption <sup>1</sup>	Tax-exempt removals <sup>2</sup>		Total output <sup>4</sup>	Domestic consumption <sup>1</sup>	Tax-exempt removals <sup>2</sup>	
			Total	Exports			Total	Exports
1973.....	644.2	577.3	55.9	41.5	6,959	6,972	143	103
1974.....	635.0	588.6	59.2	46.9	6,462	6,356	136	86
1975.....	651.2	596.4	62.3	49.9	5,743	5,804	125	92
1976.....	693.4	604.7	72.1	61.4	5,403	5,373	144	124
1977.....	665.9	606.8	78.1	66.8	5,031	4,988	134	117
1978.....	695.9	605.4	85.1	74.4	4,781	4,702	164	166
1979.....	704.4	607.8	93.2	79.7	4,443	4,304	179	177
1980.....	714.1	631.5	94.2	82.0	4,044	4,001	201	200
1981.....	736.5	640.0	92.0	82.6	3,962	3,893	160	181
1982.....	694.2	634.0	82.1	73.6	3,669	3,667	158	181
1983.....	667.0	600.0	69.7	60.7	3,564	3,605	140	130
1984.....	668.8	600.4	67.1	56.5	3,501	3,493	121	104
1985.....	665.3	594.0	66.5	55.9	3,127	3,197	95	101
1986.....	658.0	583.8	74.3	64.3	3,932	3,055	96	80
1987 <sup>5</sup> .....	689.4	575.0	111.3	100.2	2,104	2,698	85	145

<sup>1</sup> As indicated by taxable removals and imports, and estimated inventory changes.<sup>2</sup> In addition to exports, tax-exempt removals include principally shipments to forces overseas, to United States possessions, and ships' stores.<sup>3</sup> Includes cigarillos but excludes small (approximately cigarette-size) cigars.<sup>4</sup> Includes cigars shipped to mainland United States from Puerto Rico.<sup>5</sup> Preliminary.

Economic Research Service. Compiled from annual and monthly reports of the Internal Revenue Service, U.S. Treasury Department, and the Commerce Department.



Table 135.—Tobacco: Price-support loan operations, United States, 1973-87 <sup>1</sup>

Year	Flue-cured, types 11-14			Burley, type 31		
	Support price per pound	Placed under loan		Support price per pound	Placed under loan	
		Quantity	Percentage of production		Quantity	Percentage of production
	Cents	Million pounds	Percent	Cents	Million pounds	Percent
1973.....	76.6	31	2.7	78.9	1	1
1974.....	83.3	25	2.0	85.8	3	.5
1975.....	93.2	259	18.2	96.1	51	7.5
1976.....	106.0	277	21.1	109.3	46	7.1
1977.....	113.8	196	17.4	117.3	56	9.2
1978.....	121.0	64	5.3	124.7	67	10.9
1979.....	129.3	72	7.4	133.3	7	1.4
1980.....	141.5	137	12.6	145.9	(2)	.....
1981.....	158.7	106	9.3	163.6	1	1
1982.....	169.9	259	26.0	175.1	269	34.8
1983.....	169.9	195	22.8	175.1	256	34.8
1984.....	169.9	159	18.4	175.1	201	27.5
1985.....	169.9	132.2	16.7	148.8	82.7	14.8
1986.....	143.8	55.5	8.4	148.8	38.8	9.2
1987.....	143.5	24.8	3.6	148.8	90.0	21.1

<sup>1</sup> Support operations for minor kinds of tobacco not shown. Burley and flue-cured usually account for over 95 percent of tobacco loan placements.

<sup>2</sup> Less than 500,000 pounds.

<sup>3</sup> Preliminary.

Agricultural Stabilization and Conservation Service.

Table 136.—Tobacco, unmanufactured: United States imports for consumption, by country of origin, 1985-87

Classification and country of origin	1985	1986	1987 <sup>1</sup>	Classification and country of origin	1985	1986	1987 <sup>1</sup>
	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	Metric tons
Cigarette leaf:				Scrap:			
Brazil.....	38,648	34,085	44,147	Dominican Republic.....	1,568	1,395	892
Greece.....	14,583	15,696	15,843	Brazil.....	1,677	1,509	1,329
Yugoslavia.....	6,665	6,740	5,994	Italy.....	3,105	2,668	3,081
Canada.....	5,678	12,804	10,510	Turkey.....	2,736	4,603	5,032
Italy.....	1,714	3,118	3,652	Philippines.....	2,599	1,567	717
Turkey.....	49,072	51,617	51,068	Indonesia.....	3,245	2,745	2,455
Korea, Rep. of.....	5,126	6,020	4,443	Other countries.....	4,834	9,612	3,568
Bulgaria.....	4,617	5,090	5,725	Total.....	19,764	19,496	17,074
Thailand.....	4,799	6,306	5,844	Stems:			
Other countries.....	23,717	26,148	28,059	Canada.....	1,948	1,374	1,843
Total.....	154,619	167,624	175,285	Dominican Republic.....	114	71	367
Cigar filler:				Brazil.....	8,156	8,497	10,649
Unstemmed:				Argentina.....	857	2,250	3,991
Dominican Republic.....	1,060	1,584	895	Philippines.....	1,426	1,444	761
Nicaragua.....	19	9	0	Other countries.....	3,593	4,977	6,010
Philippines.....	0	22	31	Total.....	16,094	18,613	23,621
Mexico.....	93	34	606	N.S.P.F.:			
Other countries.....	957	862	1,021	Brazil.....	18	0	0
Stemmed:				Korea, Rep. of.....	0	0	0
Honduras.....	43	45	11	Mexico.....	78	0	0
Mexico.....	100	85	414	Italy.....	0	0	0
Dominican Republic.....	706	505	266	Argentina.....	55	0	0
Other countries.....	591	222	2,374	Malawi.....	0	0	0
Total.....	3,569	3,368	5,618	Other countries.....	1,110	3	27
Cigar wrapper:				Total.....	1,279	3	27
Honduras.....	390	226	120	Grand total <sup>2</sup> .....	196,452	209,969	222,201
Nicaragua.....	170	5	1				
Cameroon.....	94	120	111				
Other countries.....	347	514	344				
Total.....	1,001	865	576				

<sup>1</sup> Preliminary.

<sup>2</sup> Total includes mixed filler and wrapper which is not shown separately.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 137.—Tobacco, unmanufactured: International trade, 1984-86

Continent and country	1984 <sup>1</sup>		1985 <sup>1</sup>		1986 <sup>1</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
<b>North and Central America (incl. Caribbean):</b>						
Canada.....	26,091	2,185	23,463	1,311	28,898	1,725
Costa Rica.....	0	0	0	0	0	0
Cuba.....	12,000	0	15,000	0	16,000	0
Dominican Republic.....	13,500	1,100	15,174	1,875	14,180	1,437
El Salvador.....	150	637	130	600	102	579
Guatemala.....	5,500	50	6,070	11	4,750	0
Haiti.....	90	0	90	500	100	300
Honduras.....	1,600	500	1,800	500	1,769	212
Jamaica.....	400	385	410	370	410	370
Mexico.....	13,000	0	9,260	1,300	11,435	1,214
Nicaragua.....	1,300	0	1,300	0	1,300	0
Panama.....	475	265	475	109	421	94
Trinidad-Tobago.....	0	1,000	0	1,000	0	750
United States (incl. Puerto Rico) <sup>2</sup> .....	246,156	212,956	249,015	202,132	216,583	206,623
<b>Total</b> .....	<b>320,262</b>	<b>219,078</b>	<b>322,187</b>	<b>209,708</b>	<b>295,948</b>	<b>213,304</b>
<b>South America:</b>						
Argentina.....	24,963	487	28,531	315	22,363	154
Brazil.....	187,438	0	200,000	0	176,000	0
Bolivia.....	0	1,500	0	1,500	0	1,500
Chile.....	1,240	340	1,980	310	1,100	560
Colombia.....	9,545	4,095	11,188	4,200	13,492	4,500
Ecuador.....	200	1,000	200	1,000	200	1,100
Guyana.....	0	310	0	310	0	310
Paraguay.....	14,000	650	5,393	1,580	5,299	1,500
Peru.....	100	1,500	100	1,471	100	1,500
Surinam.....	0	200	0	75	0	120
Uruguay.....	0	3,500	0	3,481	0	3,500
Venezuela.....	0	0	0	0	100	0
<b>Total</b> .....	<b>237,486</b>	<b>13,582</b>	<b>247,392</b>	<b>14,242</b>	<b>218,654</b>	<b>14,744</b>
<b>Europe:</b>						
Belgium-Luxembourg.....	6,495	35,887	5,935	37,627	7,201	39,993
Denmark <sup>3</sup> .....	1,394	15,558	1,499	16,716	1,552	17,914
France <sup>4</sup> .....	9,964	37,078	8,191	41,316	10,285	42,594
Germany, Fed. Rep. of <sup>3,5</sup> .....	30,459	150,308	28,940	187,252	24,541	167,899
Greece.....	98,325	3,150	84,885	5,520	100,864	5,130
Ireland <sup>6</sup> .....	208	4,957	130	6,871	150	6,300
Italy.....	96,796	24,448	85,013	40,198	91,355	39,189
Netherlands.....	11,914	75,141	9,680	82,051	12,628	79,587
United Kingdom.....	5,853	130,894	6,315	120,235	4,215	101,214
<b>Total EC</b> .....	<b>261,408</b>	<b>477,421</b>	<b>230,588</b>	<b>537,786</b>	<b>252,791</b>	<b>499,820</b>
Austria.....	203	10,844	190	11,807	246	11,630
Finland.....	0	8,138	0	6,934	0	7,124
Malta-Gozo.....	30	400	50	2,031	50	2,160
Norway.....	0	5,531	0	5,485	0	5,156
Portugal (incl. Azores).....	18	10,073	211	6,880	459	6,058
Spain.....	1,668	71,339	1,134	66,576	1,026	60,317
Sweden.....	0	11,940	0	13,438	0	9,855
Switzerland.....	5,664	19,897	4,934	20,366	5,230	19,443
<b>Total Western Europe</b> .....	<b>268,991</b>	<b>615,583</b>	<b>237,107</b>	<b>671,303</b>	<b>259,802</b>	<b>621,563</b>
Albania.....	4,000	0	4,000	0	4,000	0
Bulgaria.....	62,000	37,000	62,000	35,500	61,570	36,000
Czechoslovakia.....	0	17,000	0	21,000	0	20,000
Germany, Dem. Rep. of.....	394	20,500	0	20,500	514	19,900
Hungary.....	1,300	5,248	900	5,217	900	4,800
Poland.....	6,069	14,523	7,275	9,576	10,932	11,889
Romania.....	1,000	9,000	4,000	3,000	3,000	3,500
Yugoslavia.....	18,221	7,413	15,120	14,200	14,000	3,835
<b>Total Eastern Europe</b> .....	<b>92,984</b>	<b>110,684</b>	<b>93,295</b>	<b>108,993</b>	<b>94,976</b>	<b>99,924</b>
<b>Total Europe</b> .....	<b>361,975</b>	<b>726,267</b>	<b>330,402</b>	<b>780,296</b>	<b>354,778</b>	<b>721,487</b>
Soviet Union.....	2,000	85,000	3,000	100,000	3,000	100,000
<b>Africa:</b>						
Algeria.....	0	10,000	0	9,345	0	9,500
Angola.....	0	150	0	150	0	150
Benin (Dahomey).....	0	1,412	0	1,412	0	1,400

See footnotes at end of table.

Table 137.—Tobacco, unmanufactured: International trade, 1984-86—Continued

Continent and country	1984 <sup>1</sup>		1985 <sup>1</sup>		1986 <sup>1</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Africa—Continued						
Cameroun.....	1,760	2,000	1,550	2,307	1,450	2,450
Congo, Republic of.....	0	1,000	0	1,000	0	1,000
Egypt.....	0	45,000	0	33,324	0	37,896
Ghana.....	0	700	0	500	500	322
Ivory Coast.....	0	3,500	0	3,650	0	3,500
Kenya.....	635	110	750	100	750	100
Liberia.....	0	300	0	300	0	300
Libya.....	0	2,500	0	2,500	0	2,500
Madagascar.....	500	250	500	250	500	250
Malawi.....	64,000	0	61,337	0	57,563	0
Morocco.....	0	7,163	50	9,924	0	16,385
Mozambique.....	0	1,000	0	1,000	0	1,000
Nigeria.....	0	200	0	395	0	384
Senegal.....	0	1,600	0	3,500	0	3,700
Sierra Leone.....	0	700	0	600	0	500
South Africa.....	6,155	8,926	7,605	4,048	8,354	13,849
Tanzania.....	7,018	0	6,010	0	6,000	0
Tunisia.....	984	3,913	607	5,549	2,085	7,852
Uganda.....	0	500	0	500	0	500
Zaire.....	0	600	0	500	0	400
Zambia.....	2,300	0	2,300	0	2,000	0
Zimbabwe.....	85,367	0	98,625	200	90,023	0
<b>Total.....</b>	<b>168,719</b>	<b>91,524</b>	<b>179,334</b>	<b>81,054</b>	<b>169,225</b>	<b>103,888</b>
Asia:						
Bangladesh.....	1,209	140	1,524	125	1,000	150
Burma.....	4,000	0	6,000	0	10,000	0
China.....	26,756	10,510	19,231	10,510	17,287	15,328
Taiwan.....	1,629	11,519	5,678	15,730	986	12,882
Cyprus.....	225	4,500	225	4,700	250	4,500
Hong Kong.....	6,531	16,849	6,700	17,000	1,149	12,290
India.....	80,687	50	64,440	1	61,762	9
Indonesia.....	19,317	13,475	20,227	10,346	23,092	9,825
Iran <sup>7</sup> .....	0	1,000	0	1,000	0	4,500
Iraq.....	0	7,000	0	7,000	0	5,500
Israel.....	0	5,750	0	5,774	25	6,900
Japan <sup>7</sup> .....	3,215	69,700	3,200	70,000	12,000	66,300
Jordan.....	0	500	0	2,250	0	2,500
Kampuchea.....	0	2,200	0	2,200	0	2,200
Korea, Dem. Peo. Rep. of.....	14,000	0	20,000	0	20,000	0
Korea, Rep. of.....	30,009	2,800	23,283	837	24,423	3,884
Kuwait.....	70	470	70	470	70	500
Laos.....	0	1,500	0	1,500	0	1,500
Lebanon.....	3,500	400	3,000	400	3,000	400
Malaysia.....	1	4,212	1	5,412	10	5,198
Pakistan.....	1,300	144	583	149	515	110
Philippines.....	21,270	7,911	18,021	11,229	19,051	12,679
Singapore.....	9,810	11,496	3,042	4,467	2,623	3,973
Sri Lanka.....	600	0	400	0	500	0
Syria.....	235	559	138	0	10	0
Thailand.....	35,500	6,947	32,907	8,736	30,315	9,288
Turkey.....	69,720	0	102,726	0	81,952	0
Yemen (South).....	500	3,500	500	3,500	500	3,500
Yemen (Aden).....	500	3,500	500	3,500	500	3,500
<b>Total.....</b>	<b>330,584</b>	<b>186,632</b>	<b>326,996</b>	<b>186,836</b>	<b>308,320</b>	<b>187,416</b>
Oceania:						
Australia.....	29	11,860	10	9,559	223	11,513
New Zealand.....	197	3,524	200	4,500	0	4,700
<b>Total.....</b>	<b>226</b>	<b>15,384</b>	<b>210</b>	<b>14,059</b>	<b>223</b>	<b>16,213</b>
<b>World total.....</b>	<b>1,421,252</b>	<b>1,337,467</b>	<b>1,414,915</b>	<b>1,386,345</b>	<b>1,352,848</b>	<b>1,353,702</b>

<sup>1</sup> Preliminary. <sup>2</sup> Exports include re-exports of Foreign grown tobacco. General imports, including the category "Tobacco Manufactured or Not Manufactured, Not Specifically Provided For". <sup>3</sup> Imports are actual arrivals. <sup>4</sup> Actual arrivals. <sup>5</sup> Exports are actual shipments. <sup>6</sup> Purchases by manufacturers. <sup>7</sup> Fiscal Year (April-March).

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 138.—Tobacco, unmanufactured: United States exports (domestic), by country of destination, total and by types, 1985-87

Type and country of destination	1985	1986	1987 <sup>1</sup>	Type and country of destination	1985	1986	1987 <sup>1</sup>
	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	Metric tons
<b>Total unmanufactured:</b>							
Canada.....	947	584	338	Pakistan.....	270	168	286
Panama.....	106	90	105	Philippines.....	2,133	1,921	1,456
Jamaica.....	233	125	154	Singapore.....	214	377	220
Dominican Republic.....	1,566	1,478	1,086	Thailand.....	5,091	2,484	2,632
Chile.....	3	1	1	Australia.....	2,609	4,080	2,769
Ecuador.....	73	59	31	New Zealand.....	525	691	617
Belgium and Luxembourg.....	5,199	4,593	3,716	Other countries.....	7,397	6,911	7,844
France.....	4,505	3,830	3,052	<b>Total.....</b>	<b>151,107</b>	<b>117,975</b>	<b>102,209</b>
Germany, Fed. Rep. of.....	34,773	37,517	31,434	<b>Burley:</b>			
Italy.....	13,031	10,197	10,159	Chile.....	0	0	0
Netherlands.....	9,459	14,173	14,560	Belgium and Luxembourg.....	1,503	1,568	1,053
Austria.....	1,266	788	638	France.....	455	575	278
Denmark.....	7,348	6,592	7,088	Germany, Fed. Rep. of.....	10,151	10,079	8,439
Finland.....	2,403	1,347	1,324	Italy.....	4,641	3,852	2,880
Ireland.....	3,313	1,534	542	Netherlands.....	264	4,120	3,494
Norway.....	1,510	1,960	1,499	Austria.....	49	35	17
Portugal.....	61	163	96	Denmark.....	1,446	1,091	1,310
Spain.....	18,995	6,300	5,240	Finland.....	253	268	137
Sweden.....	7,154	4,649	3,630	Norway.....	58	100	37
Switzerland.....	10,853	5,231	5,713	Sweden.....	1,276	927	815
United Kingdom.....	8,339	9,894	7,560	Switzerland.....	4,760	1,999	1,701
Libya.....	0	0	0	Syria.....	0	0	0
Egypt.....	18,700	21,082	4,992	Hong Kong.....	1,300	1,124	1,639
Canary Islands.....	0	0	0	Japan.....	10,220	11,504	14,472
Cameroon.....	957	499	63	Philippines.....	3,220	2,463	5,104
Ghana.....	195	56	30	Thailand.....	2,985	3,415	750
Nigeria.....	194	383	1,061	Other countries.....	3,824	4,291	3,191
Zaire.....	0	27	0	<b>Total.....</b>	<b>46,405</b>	<b>47,411</b>	<b>45,117</b>
Israel.....	911	897	822	<b>Dark-fired Kentucky-Tennessee:</b>			
Taiwan.....	10,849	6,659	3,067	Belgium and Luxembourg.....	62	54	225
Hong Kong.....	5,196	5,671	7,088	France.....	875	938	833
Korea, Rep. of.....	529	1,122	171	Germany, Fed. Rep. of.....	0	21	160
Japan.....	46,269	37,761	47,799	Italy.....	401	36	285
Malaysia.....	4,104	3,596	2,588	Netherlands.....	3,896	4,747	4,237
Philippines.....	5,501	4,385	6,700	Denmark.....	45	49	18
Singapore.....	482	582	386	Ireland.....	18	0	0
Thailand.....	8,079	5,899	3,383	Norway.....	8	0	0
Syria.....	0	0	0	Canary Islands.....	0	0	0
Australia.....	3,317	5,323	3,853	Sweden.....	988	413	214
New Zealand.....	731	889	794	Switzerland.....	125	35	37
Other countries.....	11,864	10,614	14,263	United Kingdom.....	6	52	0
<b>Total.....</b>	<b>249,015</b>	<b>216,550</b>	<b>195,026</b>	Egypt.....	76	0	0
<b>Flue-cured:</b>				Tunisia.....	41	0	0
Panama.....	89	71	70	Cameroon.....	20	104	24
Jamaica.....	79	0	115	Indonesia.....	265	76	644
Chile.....	0	0	0	Other countries.....	160	70	708
Ecuador.....	0	0	0	<b>Total.....</b>	<b>6,478</b>	<b>6,595</b>	<b>7,385</b>
Belgium and Luxembourg.....	2,574	2,528	1,377	<b>Black Fat:</b>			
France.....	831	805	712	Niger.....	249	148	0
Germany, Fed. Rep. of.....	19,528	21,709	15,681	Cameroon.....	396	337	0
Italy.....	6,708	5,043	4,752	Benin.....	381	471	440
Netherlands.....	5,125	4,420	5,544	Nigeria.....	0	161	652
Austria.....	1,078	718	579	Togo.....	95	56	0
Denmark.....	4,273	3,969	3,715	Other countries.....	214	148	52
Finland.....	1,318	581	354	<b>Total.....</b>	<b>1,335</b>	<b>1,321</b>	<b>1,144</b>
Ireland.....	2,928	938	441	<b>Dark-fired Virginia and sun-cured:</b>			
Norway.....	844	1,082	1,135	Germany, Fed. Rep. of.....	48	2	235
Portugal.....	38	15	0	Italy.....	560	916	747
Spain.....	14,607	840	22	Austria.....	24	8	9
Sweden.....	3,203	1,652	1,405	Denmark.....	36	13	0
Switzerland.....	3,358	1,384	1,365	Norway.....	535	718	207
United Kingdom.....	6,502	7,380	5,730	Sweden.....	221	228	137
Libya.....	0	0	0	Switzerland.....	24	47	18
Egypt.....	12,146	14,003	3,239	United Kingdom.....	19	299	0
Syria.....	0	0	0	Netherlands.....	36	0	0
Taiwan.....	10,780	6,659	3,054	Other countries.....	33	74	649
Hong Kong.....	3,062	3,701	4,302	<b>Total.....</b>	<b>1,536</b>	<b>2,305</b>	<b>2,002</b>
Indonesia.....	517	268	335				
Japan.....	29,906	21,061	30,355				
Malaysia.....	2,874	2,516	2,103				

See footnotes at end of table.

Table 138.—Tobacco, unmanufactured: United States exports (domestic), by country of destination, total and by types, 1985-87—Continued

Type and country of destination	1985	1986	1987 <sup>1</sup>	Type and country of destination	1985	1986	1987 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Maryland:				Cigar filler:			
Belgium and Luxembourg.....	84	115	141	Dominican Republic.....	45	47	0
Germany, Fed. Rep. of.....	1,234	467	552	Jamaica.....	21	0	0
Netherlands.....	12	157	152	Other countries.....	24	44	83
Norway.....	13	11	5	Total.....	90	91	83
Egypt.....	0	129	0	Perique:			
Israel.....	215	200	56	Benin (Dahomey).....	12	66	38
Switzerland.....	916	1,007	1,032	Germany, Fed. Rep. of.....	5	1	3
Other countries.....	566	373	563	France.....	23	0	72
Total.....	3,042	2,459	2,501	United Kingdom.....	0	1	1
One sucker:				Australia.....	7	7	7
Germany, Fed. Rep. of.....	0	0	0	Other countries.....	12	5	2
Bahamas.....	10	3	18	Total.....	59	80	123
Nepal.....	0	0	0	Trimmings, stems, and			
Other countries.....	0	37	30	scrap:			
Total.....	10	40	48	Canada.....	429	238	130
Green River:				Italy.....	0	0	1,282
Netherlands.....	0	0	0	Jamaica.....	8	44	0
United Kingdom.....	2	0	0	Dominican Republic.....	393	96	54
Italy.....	221	0	0	Surinam.....	6	12	0
Other countries.....	1	2	0	Belgium and Luxembourg.....	778	283	807
Total.....	224	2	0	France.....	1,887	1,496	872
Cigar wrapper:				Germany, Fed. Rep. of.....	3,340	4,950	5,808
Canada.....	3	8	9	Netherlands.....	488	671	1,130
Jamaica.....	11	15	0	Austria.....	108	6	32
Dominican Republic.....	758	937	708	Denmark.....	1,548	1,465	1,998
Belgium and Luxembourg.....	0	0	0	Finland.....	327	351	781
Germany, Fed. Rep. of.....	48	5	5	Ireland.....	384	595	101
Netherlands.....	76	19	3	Norway.....	30	49	114
Canary Islands.....	0	0	0	Sweden.....	1,466	1,430	1,059
Nigeria.....	0	0	0	Switzerland.....	1,586	747	1,539
Other countries.....	35	43	74	United Kingdom.....	1,440	2,083	1,778
Total.....	931	1,027	799	Ghana.....	25	8	2
Cigar binder:				Spain.....	75	4,836	4,998
Canada.....	6	27	44	Switzerland.....	675	772	856
Honduras.....	146	15	21	Hong Kong.....	6,143	5,195	2,970
Dominican Republic.....	0	9	28	Japan.....	915	722	307
Benin (Dahomey).....	0	0	0	Egypt.....	4,175	5,032	1,313
Other countries.....	0	3	8	Singapore.....	269	107	130
Total.....	152	54	101	Australia.....	498	1,044	859
				New Zealand.....	195	179	143
				Other countries.....	5,773	2,418	2,682
				Total.....	32,961	34,829	31,745

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

## CHAPTER III

# STATISTICS OF OILSEEDS, FATS, AND OILS

This chapter includes information on cottonseed, flaxseed, olive oil, peanuts, soybeans, margarine, and fats and oils. Most butter statistics are included in the chapter on dairy and poultry statistics. Lard data are mostly in the chapter on livestock.

**Table 139.—Cottonseed: Cotton area and cottonseed production, farm disposition, season average price per ton received by farmers, and value, United States, 1973-87**

Year	Harvested area of cotton	Cottonseed				
		Production	Total sales to oil mills	Other <sup>1</sup>	Price	Value of production
	1,000 acres	1,000 tons	1,000 tons	1,000 tons	Dollars	1,000 dollars
1973	11,970.2	5,016.0	4,720.7	295.3	100.00	501,191
1974	12,546.6	4,509.9	4,290.6	219.3	136.00	611,217
1975	8,796.0	3,218.0	2,863.6	354.4	97.00	312,264
1976	10,913.5	4,122.0	3,768.1	353.9	103.00	425,411
1977	13,275.3	5,521.4	4,832.1	689.3	70.30	388,035
1978	12,400.0	4,269.2	3,878.0	391.2	114.00	485,609
1979	12,830.9	5,778.3	4,779.2	999.1	121.00	697,617
1980	13,214.8	4,470.5	3,957.2	513.3	129.00	574,511
1981	13,841.2	6,396.9	5,101.5	1,295.4	86.00	549,041
1982	9,733.9	4,743.9	3,581.1	1,162.8	77.00	366,240
1983	7,347.3	3,075.7	2,460.5	615.2	166.00	511,450
1984	10,379.1	5,148.9	4,291.4	857.5	99.50	511,953
1985	10,229.0	5,279.2	3,755.7	1,523.5	66.00	347,640
1986	8,357.3	3,800.9	2,990.5	810.4	80.00	303,965
1987 <sup>2</sup>	9,898.7	5,769.2	4,590.1	1,179.1	82.50	474,703

<sup>1</sup> Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses. <sup>2</sup> Preliminary.  
National Agricultural Statistics Service.

**Table 140.—Cottonseed: Production, farm disposition, and season average price per ton received by farmers, by States, 1985-87**

State	Production			Total sales to oil mills			Other <sup>2</sup>			Price for crop of—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Dollars	Dollars	Dollars
AL	189	122	150	125	78	77	64	44	73	56.00	62.00	78.50
AZ	389	309	390	268	253	237	121	56	133	79.00	95.50	95.50
AR	264	228	338	216	221	331	48	7	7	56.00	58.50	71.00
CA	1,300	875	1,151.8	847	522	722.5	453	353	429.3	86.00	102.00	89.50
FL	11.7	9.8	14.4	9.3	9.5	14.1	2.4	.3	.3	35.00	67.00	80.00
GA	128	64	122	30	30	51	48	34	71	57.00	91.00	85.00
KS	.2	.3	.4	.1	.2	.3	.1	.1	.7	59.50	93.50	77.00
LA	264	257	378	188	215	359	76	42	429.3	49.00	64.50	76.00
MS	616	458	678	481	426	622	135	32	.3	51.50	58.50	75.50
MO	80	81	130	63	76	114	17	5	71	52.00	63.00	71.00
NM	31.3	30.5	42.3	20	21.7	14.5	11.3	8.8	.1	61.00	95.00	97.00
NC	44	40	33	17	18	16	27	22	19	45.00	81.00	76.00
OK	106	85	155	81	79	148	25	6	56	59.50	93.50	77.00
SC	61	31	36	34	28	20	27	3	16	50.00	90.00	85.00
TN	160	157	235	130	152	229	30	5	6	53.00	66.50	77.00
TX	1,634.5	1,052.8	1,914.8	1,196	860.7	1,614.5	438.5	192.1	300.3	62.50	78.00	82.50
VA	.5	.5	.5	.3	.4	.2	.2	.1	.3	45.00	81.00	76.00
US	5,279.2	3,800.9	5,769.2	3,755.7	2,990.5	4,590.1	1,523.5	810.4	1,179.1	66.00	82.50	82.50

<sup>1</sup> Preliminary. <sup>2</sup> Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses.  
National Agricultural Statistics Service.

**Table 141.—Cottonseed: Crushings, output of products and product prices, United States, 1973-86**

Year beginning August	Quantity crushed	Cottonseed products and prices				Year beginning August	Quantity crushed	Cottonseed products and prices			
		Crude oil		Cake and meal				Crude oil		Cake and meal	
		Quantity	Price <sup>1</sup>	Quantity	Price <sup>2</sup>			Quantity	Price <sup>1</sup>	Quantity	Price <sup>2</sup>
	1,000 tons	Mil-lion pounds	Cents per pound	1,000 tons	Dollars per ton		1,000 tons	Mil-lion pounds	Cents per pound	1,000 tons	Dollars per ton
1973.....	4,792	1,551	30.71	2,176	137.97	1981.....	4,575	1,551	20.1	2,190	156.15
1974.....	4,226	1,347	33.87	1,885	120.58	1982.....	3,800	1,134	21.8	1,588	176.65
1975.....	2,952	918	23.5	1,238	145.00	1983.....	2,583	777	32.8	1,134	190.22
1976.....	3,499	1,198	24.8	1,643	173.65	1984.....	3,514	1,174	29.2	1,732	99.95
1977.....	4,313	1,453	25.4	2,083	139.70	1985.....	3,417	1,070	17.6	1,526	133.27
1978.....	4,127	1,282	31.6	1,885	164.80	1986.....	2,520	781	17.7	1,112	148.53
1979.....	4,230	1,423	25.3	2,049	164.13						
1980.....	4,076	1,191	25.9	1,790	197.06						

<sup>1</sup> Tanks, f.o.b. Valley Points. <sup>2</sup> 41 percent protein, solvent, Memphis.

Economic Research Service. Compiled from annual reports of the U.S. Department of Commerce.

**Table 142.—Cottonseed: Quality of cottonseed and number of samples graded, United States, 1973-86 <sup>1</sup>**

Year beginning August	Cottonseed quality analysis <sup>2</sup>					Quantity <sup>3</sup>	Quality <sup>4</sup>	Average grade <sup>5</sup>	Samples graded <sup>6</sup>
	Oil	Ammonia	Moisture	Free fatty acids	Foreign matter				
	Percent	Percent	Percent	Percent	Percent	Index	Index		Number
1973.....	18.0	3.94	11.0	1.3	1.4	100.81	96.7	98.0	62,504
1974.....	17.7	3.82	11.0	1.6	1.6	98.42	96.5	95.5	61,114
1975.....	18.0	3.75	10.6	1.4	1.6	99.50	97.0	96.5	44,250
1976.....	17.7	3.88	10.6	.7	1.8	98.93	98.4	97.5	52,048
1977.....	17.5	3.99	10.8	1.8	1.4	98.85	95.6	94.5	61,466
1978.....	17.4	4.08	10.5	.9	1.5	98.97	98.5	98.0	50,418
1979.....	17.6	3.92	10.3	1.0	1.7	98.92	97.7	97.0	56,792
1980.....	16.9	4.08	10.4	.9	1.7	97.17	98.0	95.5	38,224
1981.....	17.2	3.97	10.1	.8	2.0	97.69	98.1	96.0	50,686
1982.....	17.5	3.89	10.9	1.1	1.4	98.22	98.0	96.5	33,612
1983.....	17.0	4.02	11.0	.7	1.6	97.12	98.4	96.0	24,549
1984.....	17.0	3.94	11.4	2.1	1.7	96.63	93.8	90.5	39,970
1985.....	17.3	3.94	10.8	1.4	1.4	97.72	96.4	94.6	35,586
1986.....	17.3	3.96	11.1	1.2	1.8	98.04	97.1	95.3	25,414

<sup>1</sup> U.S. averages not fully representative of entire crop because of relatively small volume of seed graded in some areas. <sup>2</sup> These basic factors are combined to form indexes of quantity and quality which in turn are used to determine the official grade of cottonseed in accordance with the United States Official Standards for Grades.

<sup>3</sup> The quantity index measures the oil and cake or meal in the cottonseed, taking into account variations in the quantity of oil, and ammonia. <sup>4</sup> The quality index measures the deterioration in oil and meal and takes into account the excesses of moisture and foreign matter and free fatty acids. <sup>5</sup> The average grade is the product of the quantity index times the quality index. The base grade is 100.0. <sup>6</sup> Samples graded by licensed chemists under the supervision of the U.S. Department of Agriculture.

Agricultural Marketing Service.

**Table 143.—Cottonseed oil and cottonseed cake and meal: United States exports by country of destination 1984/85-1986/87 (Marketing year October-September)**

Continent and country of destination	Cottonseed oil <sup>1</sup>			Cottonseed cake and meal		
	1984/85	1985/86	1986/87 <sup>2</sup>	1984/85	1985/86	1986/87 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North and Central America; incl. Caribbean:</b>						
Canada.....	3,334	2,679	2,939	1,765	2,257	932
Costa Rica.....	999	1,000	5	0	0	0
Dominican Republic.....	3,912	5,898	1,889	32	42	20
El Salvador.....	15,613	29,713	10,915	0	0	0
Guatemala.....	9,832	11,063	2,178	0	0	0
Mexico.....	73	9,533	3,063	3,172	1,858	2,546
Netherlands Antilles.....	1	0	2	0	0	0
Panama.....	0	0	0	0	0	0
Other countries.....	1,849	3,950	1,079	0	0	0
<b>Total <sup>3</sup>.....</b>	<b>35,613</b>	<b>64,376</b>	<b>22,070</b>	<b>4,969</b>	<b>4,157</b>	<b>3,498</b>
<b>South America:</b>						
Colombia.....	3	0	0	0	0	0
Ecuador.....	0	0	1	0	0	0
Peru.....	23	65	38	0	0	0
Venezuela.....	70,007	48,619	44,590	0	0	0
Other countries.....	2	0	0	0	0	0
<b>Total <sup>3</sup>.....</b>	<b>70,035</b>	<b>48,684</b>	<b>44,629</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Europe:</b>						
Austria.....	0	0	0	0	0	0
Belgium and Luxembourg.....	51	2	0	0	0	0
Denmark.....	9	31	22	0	0	0
France.....	1	38	66	0	0	0
Germany, Fed. Rep. of.....	18	4,902	87	0	0	0
Ireland.....	1	17	2	0	0	0
Netherlands.....	5,805	8,036	4,950	102	0	11,843
Switzerland.....	3	0	7	0	0	0
United Kingdom.....	1,499	506	0	0	0	0
Other countries.....	538	3,616	1,044	0	0	0
<b>Total <sup>3</sup>.....</b>	<b>7,925</b>	<b>17,157</b>	<b>6,172</b>	<b>102</b>	<b>0</b>	<b>11,843</b>
<b>Africa:</b>						
Egypt.....	55,892	37,786	0	0	0	0
Other countries.....	2,007	1,599	507	0	0	0
<b>Total <sup>3</sup>.....</b>	<b>57,899</b>	<b>39,385</b>	<b>507</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Asia:</b>						
Hong Kong.....	82	210	24	0	0	0
Israel.....	0	0	0	0	0	0
Japan.....	22,820	26,306	17,912	0	0	0
Korea, Rep. of.....	1,817	4,417	5,805	0	0	0
Pakistan.....	0	0	0	0	0	0
Philippines.....	0	0	1	0	0	0
Saudi Arabia.....	8	0	0	0	591	738
Other countries.....	8	105	521	0	0	102
<b>Total <sup>3</sup>.....</b>	<b>24,735</b>	<b>31,038</b>	<b>24,263</b>	<b>0</b>	<b>591</b>	<b>840</b>
<b>Oceania.....</b>	<b>12</b>	<b>18</b>	<b>69</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Grand total <sup>3</sup>.....</b>	<b>196,220</b>	<b>200,658</b>	<b>97,716</b>	<b>5,070</b>	<b>4,747</b>	<b>16,180</b>

<sup>1</sup> Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by the Bureau of the Census. <sup>2</sup> Preliminary. <sup>3</sup> May not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.



**Table 144.—Cottonseed: Area, yield, and production in specified countries, 1985/86–1987/88<sup>1</sup>**

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Mexico.....	213	150	230	1.667	1.600	1.609	355	240	370
United States.....	4,140	3,427	4,061	1.182	1.031	1.306	4,789	3,448	5,234
<b>Total.....</b>	<b>4,353</b>	<b>3,577</b>	<b>4,291</b>				<b>5,144</b>	<b>3,688</b>	<b>5,604</b>
<b>South America:</b>									
Argentina.....	320	330	500	.681	.585	.800	218	193	400
Bolivia.....	10	8	10	.800	.750	.800	8	6	8
Brazil.....	2,175	2,160	2,250	.646	.502	.611	1,405	1,085	1,375
Colombia.....	189	174	220	1.159	1.040	1.041	219	181	229
Ecuador.....	14	20	10	.786	1.200	1.400	11	24	14
Paraguay.....	330	275	400	.594	.545	.713	196	150	285
Peru.....	150	125	138	1.113	.872	1.014	167	109	140
Venezuela.....	60	50	59	.950	.840	.898	57	42	53
<b>Total.....</b>	<b>3,248</b>	<b>3,142</b>	<b>3,587</b>				<b>2,281</b>	<b>1,790</b>	<b>2,504</b>
<b>Central America:</b>									
Guatemala.....	66	31	42	1.121	1.387	1.595	74	43	67
<b>Total<sup>4</sup>.....</b>	<b>188</b>	<b>114</b>	<b>127</b>				<b>215</b>	<b>159</b>	<b>169</b>
<b>Caribbean:</b>									
Cuba.....	4	4	4	.500	.500	.500	2	2	2
Dominican Rep.....	5	5	6	1.000	1.000	1.000	5	5	6
Haiti.....	13	13	13	.308	.308	.308	4	4	4
<b>Total.....</b>	<b>22</b>	<b>22</b>	<b>23</b>				<b>11</b>	<b>11</b>	<b>12</b>
<b>European Community:</b>									
Greece.....	203	205	200	1.369	1.707	1.350	278	350	270
Italy.....	3	3	3	.333	.333	.333	1	1	1
Spain.....	64	77	80	1.672	1.688	1.575	107	130	126
<b>Total.....</b>	<b>270</b>	<b>285</b>	<b>283</b>				<b>386</b>	<b>481</b>	<b>397</b>
<b>East Europe:</b>									
Albania.....	28	28	28	.536	.536	.536	15	15	15
Bulgaria.....	14	14	14	.643	.643	.643	9	9	9
Yugoslavia.....	1	1	1	1.000	1.000	1.000	1	1	1
<b>Total.....</b>	<b>43</b>	<b>43</b>	<b>43</b>				<b>25</b>	<b>25</b>	<b>25</b>
<b>North Africa:</b>									
Egypt.....	454	443	416	1.531	1.433	1.399	695	635	582
Morocco.....	13	14	15	1.154	1.286	1.467	15	18	22
<b>Total.....</b>	<b>797</b>	<b>807</b>	<b>781</b>				<b>995</b>	<b>956</b>	<b>887</b>
<b>Other Africa:</b>									
Nigeria.....	220	285	320	.091	.281	.241	20	80	77
Zimbabwe.....	186	278	280	.745	.665	.696	164	185	195
South Africa.....	126	186	195	.746	.645	.872	94	120	170
Somalia.....	12	12	12	.250	.250	.250	3	3	3
Zambia.....	40	32	58	.625	.438	.483	25	14	28
<b>Total<sup>4</sup>.....</b>	<b>2,559</b>	<b>2,988</b>	<b>3,102</b>				<b>1,240</b>	<b>1,484</b>	<b>1,522</b>
<b>Middle East:</b>									
Iran.....	189	188	190	.704	.755	.768	133	142	146
Israel.....	65	46	40	2.462	2.674	2.700	160	123	108
Iraq.....	65	65	65	.446	.446	.446	29	29	29
Turkey.....	660	585	583	1.227	1.417	1.436	810	829	837
<b>Total<sup>4</sup>.....</b>	<b>1,190</b>	<b>1,069</b>	<b>1,048</b>				<b>1,468</b>	<b>1,375</b>	<b>1,351</b>

See footnotes at end of table.

**Table 144.—Cottonseed: Area, yield, and production in specified countries, 1985/86-1987/88 <sup>1</sup>—Continued**

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Asia:									
Bangladesh.....	13	13	15	0.385	0.538	0.600	5	7	9
Burma.....	250	250	250	.352	.352	.352	88	88	88
China.....	5,140	4,306	4,910	1.372	1.398	1.447	7,050	6,018	7,105
Indonesia.....	33	17	20	.333	.294	.250	11	5	5
India.....	7,581	7,280	7,500	.482	.442	.406	3,652	3,218	3,043
Korea, Peoples Dem. Rep.....	7	7	7	.286	.286	.286	2	2	2
Korea, Rep. of.....	2	1	1	1.000	1.000	1.000	2	1	1
Pakistan.....	2,366	2,505	2,513	1.043	1.054	1.170	2,468	2,670	2,940
Philippines.....	13	13	13	.615	.667	.615	8	8	8
Thailand.....	83	49	70	.843	.816	.786	70	40	55
Total <sup>4</sup> .....	15,538	14,490	15,349				13,400	12,071	13,300
Soviet Union.....	3,316	3,475	3,527	1.538	1.401	1.272	5,100	4,870	4,485
Oceania: Australia.....	177	148	200	2.158	2.230	1.950	382	330	390
World total <sup>4</sup> .....	31,715	30,163	32,387				30,650	27,230	30,651

<sup>1</sup> Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

<sup>4</sup> Includes other countries not listed separately.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 145.—Flaxseed: Area, yield, production, disposition, and value, United States, 1973-87**

Year	Area planted	Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Season average price per bushel received by farmers <sup>1</sup>	Value of production <sup>1</sup>
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1973.....	1,749	1,700	9.7	16,408	828	15,580	7.56	124,117
1974.....	1,742	1,659	8.5	14,083	759	13,324	9.67	136,196
1975.....	1,621	1,511	10.3	15,553	532	15,021	6.57	102,132
1976.....	1,045	955	7.9	7,580	633	6,947	7.08	53,754
1977.....	1,330	1,239	11.5	14,280	639	13,641	4.54	64,865
1978.....	710	687	12.5	8,614	476	8,138	5.74	49,435
1979.....	922	878	13.7	12,014	551	11,463	5.97	71,627
1980.....	759	663	11.7	7,728	( <sup>2</sup> )	( <sup>2</sup> )	7.20	55,615
1981.....	605	577	12.6	7,289	( <sup>2</sup> )	( <sup>2</sup> )	6.72	49,008
1982.....	780	735	14.0	10,278	( <sup>2</sup> )	( <sup>2</sup> )	5.19	53,341
1983.....	605	580	11.9	6,903	( <sup>2</sup> )	( <sup>2</sup> )	6.80	46,925
1984.....	555	538	13.1	7,022	( <sup>2</sup> )	( <sup>2</sup> )	6.09	42,739
1985.....	620	584	14.2	8,293	( <sup>2</sup> )	( <sup>2</sup> )	5.05	41,912
1986.....	720	683	16.9	11,538	( <sup>2</sup> )	( <sup>2</sup> )	3.47	39,962
1987 <sup>3</sup> .....	470	463	16.1	7,444	( <sup>2</sup> )	( <sup>2</sup> )	3.20	23,879

<sup>1</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

<sup>2</sup> Series discontinued.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 146.—Flaxseed: Supply and disappearance, United States, 1973–86**

Year beginning June	Supply				Disappearance			
	Stocks June 1	Production	Imports	Total	Total used for seed	Exports	Crushings <sup>1</sup>	Total domestic disappearance <sup>2</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1973 .....	5,485	16,408	399	22,292	1,360	630	17,203	18,240
1974 .....	4,052	14,083	130	18,265	1,231	372	13,386	15,234
1975 .....	3,031	15,553	148	18,732	1,054	953	11,791	12,889
1976 .....	4,890	7,580	2,168	14,638	1,043	196	10,677	11,481
1977 .....	2,961	14,280	859	18,100	557	1,001	11,615	11,784
1978 .....	5,315	8,614	1,557	15,486	724	91	13,009	12,811
1979 .....	2,584	12,014	1,916	16,514	650	174	12,425	11,322
1980 .....	5,018	7,728	2,510	15,256	547	76	11,927	12,447
1981 .....	2,733	7,789	3,502	13,524	691	11	11,231	11,563
1982 .....	1,950	10,278	1,921	14,149	486	638	8,722	10,299
1983 .....	3,212	6,903	4,756	14,871	438	52	12,733	13,103
1984 .....	1,716	7,022	3,796	12,534	511	238	9,935	10,647
1985 .....	1,649	8,293	2,927	12,869	517	250	10,313	10,990
1986 <sup>3</sup> .....	1,629	11,538	2,229	15,396	362	1,448	10,000	10,647

<sup>1</sup> From domestic and imported seed.

<sup>2</sup> Total supply minus exports and stocks June 1 of following year.

<sup>3</sup> Preliminary.

Economic Research Service.

**Table 147.—Flaxseed: Area, yield, and production, by States, 1985–87**

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
MN .....	60	35	15	50	34	14	19.0	16.0	16.0	950	544	224
ND .....	460	575	400	445	545	395	13.5	17.5	16.5	6,008	9,538	6,518
SD .....	100	110	55	89	104	54	15.0	14.0	13.0	1,335	1,456	702
US .....	620	720	470	584	683	463	14.2	16.9	16.1	8,293	11,538	7,444

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 148.—Flaxseed: <sup>1</sup> Area, yield, and production in specified countries and the world, 1985/86–1987/88

Continent and country	Harvested area			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>2</sup>	1985/86	1986/87	1987/88 <sup>2</sup>	1985/86	1986/87	1987/88 <sup>2</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada.....	740	755	615	1.219	1.359	1.281	902	1,026	788
United States.....	236	276	187	.894	1.062	1.011	211	293	189
Mexico.....	9	9	9	1.111	1.111	1.111	10	10	10
Total.....	985	1,040	811				1,123	1,329	987
South America:									
Argentina.....	688	745	690	.669	.835	.797	460	622	550
Uruguay.....	8	8	4	.750	.750	.750	6	6	3
Total.....	696	753	694				466	628	553
Europe:									
Belgium-Luxembourg.....	11	8	10	.727	.750	.700	8	6	7
France <sup>3</sup> .....	53	41	46	.642	.585	.565	34	24	26
Italy.....	1	1	1	1.000	1.000	1.000	1	1	1
Netherlands.....	4	3	5	1.000	1.000	1.000	4	3	5
Total Western Europe.....	69	53	62				47	34	39
Czechoslovakia.....	30	30	30	.500	.500	.500	15	15	15
Hungary.....	6	6	6	1.167	1.000	1.167	7	6	7
Poland.....	39	30	30	.462	.500	.500	18	15	15
Romania.....	77	75	75	.468	.427	.467	36	32	35
Total Eastern Europe.....	152	141	141				76	73	72
Total Europe.....	221	194	203				123	107	111
Soviet Union <sup>4</sup> .....	1,100	1,053	1,069	.183	.221	.213	201	233	228
Africa:									
Egypt.....	18	15	16	1.222	1.267	1.250	22	19	20
Total.....	18	15	16				22	19	20
Asia and mid-East:									
Iran.....	3	3	3	1.000	1.000	1.000	3	3	3
Turkey (Europe and Asia).....	10	7	8	.500	.571	.500	5	4	4
India.....	1,420	1,225	1,350	.268	.280	.296	380	343	400
Pakistan <sup>5</sup> .....	10	10	10	.600	.600	.600	6	6	6
Bangladesh.....	15	15	15	.533	.533	.533	8	8	8
Total.....	1,458	1,260	1,386				402	364	421
Oceania:									
Australia <sup>5</sup> .....	10	8	9	1.200	1.125	1.000	12	9	9
Total.....	10	8	9				12	9	9
World total.....	4,488	4,323	4,188				2,349	2,689	2,329

<sup>1</sup> Harvests of the Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere countries in 1986 was combined with the Southern Hemisphere harvest which began late in 1986 and ended early in 1987. <sup>2</sup> Preliminary. <sup>3</sup> Area includes that harvested for seed and that portion of fiber area which is harvested for seed as well as fiber. Production includes seed from fiber flax. <sup>4</sup> Includes fiber flax area and seed production. <sup>5</sup> Flaxseed from area grown for seed only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 149.—Flaxseed: Season average price and value of production, by States, crop of 1985, 1986, and 1987**

State	Season average price per bushel <sup>1</sup>			Value of production <sup>1</sup>		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
MN.....	4.95	3.39	3.30	4,703	1,844	739
ND.....	5.00	3.45	3.20	30,040	32,906	20,858
SD.....	5.37	3.58	3.25	7,169	5,212	2,282
US.....	5.05	3.47	3.20	41,912	39,962	23,879

<sup>1</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States. <sup>2</sup> Preliminary.  
National Agricultural Statistics Service.

**Table 150.—Flaxseed: Price-support operations, United States, 1973-87**

Year beginning July	Support price		Put under support <sup>2</sup>		Acquired by CCC under support program <sup>3</sup>	Owned by CCC June 30
	Per bushel	Percentage of parity <sup>1</sup>	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1973.....	2.50	51	137	0.9		
1974.....	2.50	41	63	.5		
1975.....	(*)					
1976.....	(*)					
1977.....	(*)					
1978.....	4.50	48				
1979.....	4.50	43				
1980.....	4.50	39				
1981.....	(*)					
1982.....	(*)					
1983.....	(*)					
1984.....	(*)					
1985.....	(*)					
1986.....	(*)					
1987.....	(*)					

<sup>1</sup> Percentage of the parity price as of the beginning of the marketing year.  
<sup>2</sup> Includes loans made, purchase agreements entered into, and direct purchases.  
<sup>3</sup> Acquisitions through loan cancellations and purchases (under agreement and direct) from the crop harvested in the year indicated and not acquisitions during that year.  
<sup>4</sup> Price support not authorized for 1975, 1976, 1977, 1981, 1982, 1983, 1984, 1985, 1986, and 1987.  
 Agricultural Stabilization and Conservation Service.

**Table 151.—Flaxseed and linseed oil and meal: Average price Minneapolis, 1973-86**

Year <sup>1</sup>	Average price received by farmers	Minneapolis		Year <sup>1</sup>	Average price received by farmers	Minneapolis	
		Oil, per pound <sup>2</sup>	Meal, per ton <sup>3</sup>			Oil, per pound <sup>2</sup>	Meal, per ton <sup>3</sup>
	<i>Dollars</i>	<i>Cents</i>	<i>Dollars</i>		<i>Dollars</i>	<i>Cents</i>	<i>Dollars</i>
1973.....	5.88	27.7	155.73	1981.....	7.10	30.5	156.00
1974.....	9.74	45.6	122.30	1982.....	6.02	25.2	143.40
1975.....	6.81	32.3	126.25	1983.....	5.58	30.7	155.25
1976.....	6.51	23.2	162.24	1984.....	6.50	32.0	99.00
1977.....	5.78	24.6	137.91	1985.....	5.95	30.8	102.60
1978.....	4.46	24.7	143.20	1986.....	4.27	26.4	112.00
1979.....	6.34	30.1	155.80				
1980.....	6.46	30.0	162.80				

See footnotes on page 118.

**Table 152.—Flaxseed and products: Flaxseed crushed; production, imports, and exports of linseed oil, cake, and meal; and June 1 stocks of oil, United States, 1973-86**

Year beginning June	Flaxseed crushed					Linseed oil				Linseed cake and meal		
	June-Aug.	Sept.-Nov.	Dec.-Feb.	Mar.-May	Total	Stocks June 1	Production	Imports for consumption	Exports	Production	Imports for consumption	Exports
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	Million pounds	Million pounds	Million pounds	Million pounds	1,000 tons	1,000 tons	1,000 tons
1973	5,136	5,462	3,310	3,295	17,203	127	344	(1)	142	324	3	117
1974	3,569	4,928	3,071	1,818	13,386	71	263	(1)	143	254	(2)	140
1975	2,218	4,515	2,352	2,705	11,791	49	230	(1)	42	229		141
1976	2,899	2,646	2,745	2,387	10,677	49	217	(1)	14	202		89
1977	2,897	2,887	2,638	3,193	11,615	88	232	(1)	25	218	(2)	111
1978	4,310	2,483	2,367	3,869	13,009	70	259	(1)	54	244		3 135
1979	3,215	3,383	2,318	3,666	12,425	44	256	(1)	38	233		2 161
1980	2,465	(3)	(3)	(3)	11,927	54	251	(1)	51	225		2 129
1981	(3)	(3)	(3)	(3)	11,231	56	237	(1)	54	220		2 152
1982	(3)	(3)	(3)	(3)	8,722	50	182	(1)	21	170		2 79
1983	(3)	(3)	(3)	(3)	12,733	35	265	(1)	51	249		2 125
1984	(3)	(3)	(3)	(3)	9,935	48	194	(1)	15	179		1 60
1985	(3)	(3)	(3)	(3)	10,313	33	205	(1)	15	184		3 75
1986 <sup>4</sup>	(3)	(3)	(3)	(3)	10,000	39	201	(1)	6	185		2 63

<sup>1</sup> Less than 500,000 pounds. <sup>2</sup> Less than 500 tons. <sup>3</sup> Not included to avoid disclosure. <sup>4</sup> Preliminary. Economic Research Service.

**Table 153.—Flaxseed, linseed oil, and linseed cake and meal: United States exports by country of destination, crop years 1984-86<sup>1</sup>**

Continent and country of destination	Flaxseed			Linseed oil <sup>3</sup>			Linseed cake and meal		
	1984	1985	1986 <sup>2</sup>	1984	1985	1986 <sup>2</sup>	1984	1985	1986 <sup>2</sup>
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
North America:									
Canada	0	61	25	2,588	2,508	2,224	73	91	219
Costa Rica	28	0	47	0	2	2	0	0	0
Honduras	0	70	0	1	0	0	0	0	0
Mexico	29	5,263	4,214	2,012	779	141	11	0	0
Panama	230	26	0	3	0	4	24	0	0
Other countries	46	111	0	39	23	22	0	585	39
Total <sup>4</sup>	333	5,531	4,286	4,643	3,312	2,393	108	676	258
South America:									
Brazil	0	0	0	0	0	0	0	0	0
Peru	0	0	0	0	0	5	0	0	0
Venezuela	0	0	0	75	83	121	0	0	0
Other countries	0	0	0	6	2	9	0	0	0
Total <sup>4</sup>	0	0	0	81	85	135	0	0	0
Europe:									
Belgium and Luxembourg	0	56	15,463	0	0	0	0	0	0
Denmark	28	14	10	0	0	0	0	0	0
France	0	0	0	24	4	0	0	0	0
Germany, Fed. Rep. of	179	255	513	13	0	0	15,790	5,878	7,294
Italy	0	0	0	0	0	0	0	0	0
Netherlands	5,729	451	16,465	1,375	2,172	212	44,059	52,757	43,202
Spain	0	0	0	0	0	1	0	0	0
Sweden	0	0	0	93	0	0	0	0	0
Switzerland	0	0	11	3	0	0	0	0	0
United Kingdom	0	0	0	4	0	0	0	0	0
Other countries	41	0	33	0	0	0	10,082	0	0
Total <sup>4</sup>	5,977	776	32,495	1,512	2,176	213	59,849	58,635	50,496
Soviet Union	0	0	0	0	0	0	0	0	0

See footnotes at end of table.

**Table 153.—Flaxseed, linseed oil, and linseed cake and meal: United States exports by country of destination, crop years 1984-86 <sup>1</sup>—Continued**

Continent and country of destination	Flaxseed			Linseed oil <sup>3</sup>			Linseed cake and meal		
	1984	1985	1986 <sup>2</sup>	1984	1985	1986 <sup>2</sup>	1984	1985	1986 <sup>2</sup>
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
Africa and Middle East .....	2	0	0	47	15	2	0	0	0
Asia:									
Japan .....	0	0	0	141	12	15	0	0	0
Korea, Rep. of .....	0	0	0	470	0	119	0	0	0
Philippines.....	0	0	0	0	0	0	0	0	0
Other countries.....	0	0	0	127	1,011	10	0	0	0
Total <sup>4</sup> .....	0	0	0	738	1,023	144	0	0	0
Oceania:									
Australia.....	0	0	0	4	2	4	0	0	0
Other countries.....	0	0	0	1	2	7	0	0	0
Total <sup>4</sup> .....	0	0	0	5	4	11	0	0	0
Grand total <sup>5</sup> .....	6,311	6,362	36,782	7,021	6,615	2,897	70,039	59,311	50,753

<sup>1</sup> For flaxseed and linseed oil, year begins June 1; for linseed cake and meal, year begins Oct. 1. <sup>2</sup> Preliminary. <sup>3</sup> Crude and refined combined as such. <sup>4</sup> Total may not add due to rounding. <sup>5</sup> Includes 880 and 55 metric tons transshipped via Canada to unidentified countries in 1984, and 1986, respectively. Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 154.—Peanuts: Area, yield, production, disposition, season average price per pound received by farmers, and value, United States, 1973-87**

Crop of—	Area planted	Peanuts for nuts								
		Area harvested	Yield per acre	Production <sup>1</sup>	Used on farms where produced			Sold	Price	Value of production
					For seed <sup>2</sup>	Fed and lost	Household use			
	1,000 acres	1,000 acres	Pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars
1973 .....	1,530.2	1,495.7	2,323	3,473,837	18,723		<sup>3</sup> 4,705	3,450,409	16.2	562,460
1974 .....	1,519.6	1,472.1	2,491	3,667,604		<sup>4</sup> 24,398		3,643,206	17.9	657,987
1975 .....	1,531.9	1,500.0	2,564	3,846,722		26,668		3,820,054	19.6	754,491
1976 .....	1,544.6	1,517.5	2,464	3,739,190		26,251		3,712,939	20.0	746,675
1977 .....	1,540.6	1,512.4	2,456	3,715,055		25,231		3,689,824	21.0	780,869
1978 .....	1,540.8	1,509.1	2,619	3,952,384		26,369		3,926,015	21.1	833,885
1979 .....	1,545.9	1,519.7	2,611	3,968,485		26,297		3,942,188	20.6	819,276
1980 .....	1,521.4	1,399.8	1,645	2,302,762		( <sup>5</sup> )		( <sup>5</sup> )	25.1	578,635
1981 .....	1,514.0	1,488.7	2,675	3,981,850		( <sup>5</sup> )		( <sup>5</sup> )	26.9	1,069,526
1982 .....	1,311.4	1,277.4	2,693	3,440,255		( <sup>5</sup> )		( <sup>5</sup> )	25.1	862,686
1983 .....	1,411.0	1,373.5	2,399	3,295,530		( <sup>5</sup> )		( <sup>5</sup> )	24.7	814,579
1984 .....	1,562.6	1,531.0	2,878	4,405,745		( <sup>5</sup> )		( <sup>5</sup> )	27.9	1,230,720
1985 .....	1,490.4	1,467.4	2,810	4,122,787		( <sup>5</sup> )		( <sup>5</sup> )	24.4	1,003,412
1986 .....	1,572.7	1,537.2	2,407	3,700,745		( <sup>5</sup> )		( <sup>5</sup> )	29.2	1,074,487
1987 <sup>6</sup> .....	1,567.4	1,546.4	2,341	3,619,440		( <sup>5</sup> )		( <sup>5</sup> )	27.7	1,015,658

<sup>1</sup> Net weight basis; estimates comprised of quota and non-quota peanuts. <sup>2</sup> Seed used for planting of the following year. <sup>3</sup> Beginning 1972, not estimated separately. <sup>4</sup> Beginning 1974, not estimated separately. <sup>5</sup> Series discontinued. <sup>6</sup> Preliminary. National Agricultural Statistics Service.

**Table 155.—Peanuts, farmers' stock: Stocks, production, and quantity milled, United States, 1973-87**

Year beginning August	Stocks Aug. 1 <sup>1</sup>	Production harvested for nuts <sup>1</sup>	Total supply	Milled <sup>1 2</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1973.....	56,899	3,473,837	3,530,736	3,050,986
1974.....	38,392	3,667,604	3,705,996	2,922,924
1975.....	226,991	3,846,722	4,073,713	3,461,504
1976.....	250,005	3,739,190	3,989,195	3,455,100
1977.....	54,366	3,715,055	3,769,421	3,348,732
1978.....	28,651	3,952,384	3,981,035	3,423,965
1979.....	13,513	3,968,485	3,981,998	3,502,326
1980.....	63,442	2,302,762	2,366,204	1,887,992
1981.....	28,328	3,981,850	4,010,178	3,610,896
1982.....	84,948	3,440,255	3,525,203	3,248,166
1983.....	51,440	3,295,530	3,346,970	3,149,878
1984.....	8,758	4,405,745	4,414,503	4,155,496
1985.....	171,949	4,122,787	4,294,736	3,966,300
1986.....	48,381	3,700,745	3,749,126	3,621,444
1987.....	25,894	3,619,440	3,645,334	.....

<sup>1</sup> Net weight basis.<sup>2</sup> Includes peanuts milled for seed.

National Agricultural Statistics Service.

**Table 156.—Peanuts: Crushings, and oil and meal stocks, production, and foreign trade, United States, 1973-87**

Year beginning August	Peanuts crushed (shelled basis)	Peanut oil				Peanut cake and meal	
		Stocks Aug. 1 <sup>1</sup>	Production of crude	Imports	Exports <sup>2</sup>	Stocks Aug. 1 <sup>3</sup>	Production
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1973.....	513,552	37,317	213,896	1,123	60,529	6,962	284,997
1974.....	443,665	33,342	188,365	20	34,681	6,838	245,584
1975.....	1,088,087	34,053	475,961	1,850	97,712	10,374	601,243
1976.....	833,158	136,926	362,611	32	45,878	5,863	466,544
1977.....	366,227	221,545	150,971	25	126,547	11,719	208,144
1978.....	395,951	46,029	164,284	46	40,488	10,933	217,988
1979.....	429,116	53,189	179,695	63	15,634	1,019	236,228
1980.....	335,528	44,076	137,848	82	47,522	8,830	187,204
1981.....	431,480	37,788	175,028	203	40,865	7,335	237,290
1982.....	256,436	57,889	106,962	3,713	5,181	9,705	141,546
1983.....	291,084	(*)	119,008	646	7,097	4,008	159,340
1984.....	470,264	32,425	187,283	2,174	29,383	13,962	264,658
1985.....	610,897	17,725	256,545	529	92,799	32,758	336,232
1986.....	386,388	61,865	152,423	2,429	64,177	17,939	214,526
1987.....	(*)	49,411	(*)	(*)	(*)	4,445	(*)

<sup>1</sup> Crude plus refined.<sup>2</sup> Reported as edible peanut oil and crude peanut oil; in this tabulation added without converting.<sup>3</sup> Holding at producing mills only.<sup>4</sup> Not available.

National Agricultural Statistics Service, Economic Research Service, and Bureau of the Census.

## FOOTNOTES FOR TABLE 151

<sup>1</sup> Year beginning June 1.<sup>2</sup> Raw oil in tank cars.<sup>3</sup> Bulk carlots, 34 percent protein.

Economic Research Service.



Table 157.—Cleaned peanuts (roasting stock): Supply and disposition, United States, 1973-87

Year beginning August	Supply				Disposition		
	Stocks Aug. 1	Production	Imports	Total	Exports <sup>1</sup>	Domestic disappearance	
						Total	Per capita
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Pounds
1973.....	17,659	149,503	79	167,241	66,094	86,055	0.41
1974.....	15,092	132,185	127	147,404	17,703	111,872	.53
1975.....	17,829	154,768	207	172,804	22,708	119,529	.56
1976.....	30,567	150,764	432	181,763	24,765	138,841	.65
1977.....	18,157	198,076	413	216,646	64,284	126,724	.56
1978.....	25,638	233,497	413	259,548	94,612	116,737	.52
1979.....	48,199	183,831	424	232,454	64,810	137,053	.61
1980.....	30,591	104,053	3,597	138,241	33,071	90,789	.40
1981.....	14,381	231,580	6	245,967	77,998	122,743	.54
1982.....	45,226	232,998	844	279,068	51,321	155,948	.67
1983.....	71,799	124,507	298	196,604	39,509	133,773	.57
1984.....	23,322	256,014	79	279,418	72,907	139,121	.59
1985.....	67,389	213,928	1,493	282,812	83,747	152,349	.63
1986.....	46,716	208,244	33	254,992	75,306	139,404	.57
1987.....	39,902						

<sup>1</sup> Prior to 1983 includes shipments to Puerto Rico.

National Agricultural Statistics Service and Economic Research Service. Foreign trade from the Bureau of the Census.

Table 158.—Shelled peanuts (all grades): Supply, exports, and quantity crushed, United States, 1973-87

Year beginning August	Supply						Exports <sup>1</sup>	Crushed
	Stocks Aug. 1		Production		Imports	Total		
	Edible	Oil stock <sup>2</sup>	Edible	Oil stock				
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	
1973.....	240,686	25,586	1,678,534	509,306	444	2,454,556	465,290	513,552
1974.....	359,752	16,126	1,557,098	558,409	466	2,491,851	534,784	443,665
1975.....	279,401	20,734	1,590,916	914,655	290	2,805,996	301,859	1,088,087
1976.....	315,667	83,174	1,757,043	729,842	66	2,885,792	562,474	833,158
1977.....	372,518	29,803	1,881,663	468,753	148	2,752,885	720,892	366,227
1978.....	358,984	37,366	1,943,628	435,972	139	2,776,089	783,236	395,951
1979.....	348,002	46,435	2,003,011	486,981	140	2,884,569	745,828	429,116
1980.....	371,658	29,491	993,306	286,868	300,710	1,982,033	353,683	335,528
1981.....	268,276	10,366	2,087,924	387,790	4,632	2,758,991	374,812	431,480
1982.....	450,449	20,574	1,887,011	283,141	1,323	2,642,498	473,416	256,436
1983.....	537,855	19,208	1,776,069	342,477	1,715	2,677,324	529,949	291,084
1984.....	402,449	33,063	2,414,852	422,026	2,167	3,274,557	592,333	470,264
1985.....	860,508	30,407	2,238,427	496,928	1,942	3,628,212	721,690	610,897
1986.....	559,256	4,734	2,123,054	299,651	1,598	2,988,293	441,954	386,388
1987.....	683,622	21,300						

<sup>1</sup> Prior to 1983 includes shipments to Puerto Rico. Includes all peanut export categories except peanuts not shelled or not roasted.<sup>2</sup> Includes ungraded and straight run oil stock peanuts.

National Agricultural Statistics Service and Economic Research Service. Foreign trade from the U.S. Bureau of the Census.

**Table 159.—Peanuts: Shelled (raw basis) by types, used in primary products and apparent disappearance of peanuts (cleaned in shell), United States, 1973-86**

Type, and year beginning August	Shelled uses						Apparent disappearance (cleaned in shell) <sup>2</sup>
	Peanut butter <sup>1</sup>	Peanut butter sandwiches	Salted	Candy	Other	Total	
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
<b>Virginia:</b>							
1973	72,614	3,821	171,695	53,052	4,336	305,518	
1974	67,461	2,978	132,861	51,278	3,180	257,758	
1975	62,244	3,068	147,933	52,335	2,746	268,326	
1976	46,167	4,566	98,992	49,876	2,222	201,823	
1977	49,517	3,994	88,778	44,260	2,164	188,736	
1978	48,824	4,655	91,426	48,424	2,531	195,860	
1979	47,462	7,353	83,755	27,899	2,498	168,982	
1980	26,142	2,437	50,095	18,903	1,137	98,764	
1981	33,882	2,600	84,608	15,701	1,371	138,148	
1982	74,427	2,358	114,593	21,130	2,878	215,186	
1983	41,915	2,176	101,980	15,402	1,795	163,266	
1984	44,612	2,123	96,181	31,276	2,048	176,237	
1985	52,855	1,989	113,577	32,900	5,286	206,557	
1986	55,555	5,850	171,679	27,591	20,090	280,765	
<b>Runner:</b>							
1973	330,043	16,020	51,555	115,278	10,502	523,398	
1974	415,720	13,781	86,092	101,729	7,435	624,756	
1975	447,182	15,204	94,633	124,423	9,742	691,184	
1976	455,900	17,192	102,603	121,193	11,874	708,762	
1977	492,439	23,020	144,309	126,101	13,735	799,604	
1978	546,001	22,528	158,262	158,258	13,949	898,998	
1979	600,920	22,303	155,469	183,612	14,607	976,911	
1980	529,923	21,289	127,430	177,098	15,327	871,067	
1981	596,231	19,534	162,967	199,351	12,356	990,439	
1982	578,488	19,109	157,546	223,338	13,137	991,618	
1983	596,617	21,738	164,389	237,075	12,429	1,032,248	
1984	626,305	23,440	175,404	209,765	15,962	1,050,877	
1985	605,696	22,261	207,503	240,198	16,192	1,091,850	
1986	575,509	27,611	167,715	261,630	18,694	1,053,159	
<b>Spanish:</b>							
1973	257,314	4,041	61,057	83,174	4,457	410,043	
1974	167,803	3,609	59,332	64,028	3,764	298,536	
1975	138,631	2,685	59,069	62,918	3,509	266,812	
1976	115,870	2,460	52,227	63,961	3,726	238,244	
1977	81,870	1,182	41,137	64,858	2,783	191,830	
1978	70,112	884	41,926	61,753	2,625	177,900	
1979	51,643	681	45,650	46,845	2,213	147,032	
1980	32,491	302	27,964	41,889	3,224	105,870	
1981	23,617	525	30,379	40,810	1,544	96,875	
1982	24,688	464	35,980	39,688	1,144	101,963	
1983	32,898	365	35,602	45,588	1,245	115,698	
1984	26,219	677	37,466	49,276	1,191	114,831	
1985	42,735	424	37,463	40,739	2,039	123,400	
1986	48,309	397	42,892	31,970	2,281	125,849	
<b>All types:</b>							
1973	659,971	23,882	284,307	251,504	19,295	1,238,959	152,070
1974	650,984	20,368	278,285	217,034	14,379	1,181,050	129,447
1975	648,057	20,957	301,635	239,676	15,997	1,226,322	142,029
1976	617,937	24,218	253,822	235,030	17,822	1,148,829	163,177
1977	623,826	28,196	274,219	235,219	18,682	1,180,142	190,593
1978	664,937	28,067	291,614	268,435	19,105	1,272,158	210,935
1979	700,025	30,337	284,374	258,356	19,313	1,292,905	201,441
1980	588,556	24,078	205,489	237,890	19,688	1,075,701	120,263
1981	653,710	22,659	277,954	255,862	15,271	1,225,456	200,735
1982	677,602	21,930	308,118	284,156	16,959	1,308,765	206,425
1983	671,430	24,279	301,971	298,065	15,469	1,311,214	172,984
1984	697,137	26,240	309,050	290,318	19,201	1,341,945	211,947
1985	701,289	24,623	358,542	313,836	23,515	1,421,805	234,601
1986	679,373	33,858	384,286	321,191	41,065	1,459,773	215,058

<sup>1</sup> Excludes peanut butter made by manufacturers for own use in candy and/or peanut butter sandwiches.

<sup>2</sup> Apparent disappearance represents stocks beginning of year plus production, minus stocks at end of year.

National Agricultural Statistics Service and Economic Research Service.

Table 160.—Peanuts: Area, yield, and production, by States, 1985-87

State	Area planted			Peanuts for nuts								
	1985	1986	1987 <sup>1</sup>	Area harvested			Yield per harvested acre			Production <sup>2</sup>		
				1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
AL.....	201.0	220.0	221.0	200.0	219.0	220.0	2,950	2,260	2,115	590,000	494,940	465,300
FL.....	80.0	94.0	91.0	72.0	87.0	83.0	3,000	2,680	2,600	216,000	233,160	215,800
GA.....	595.0	675.0	635.0	593.0	665.0	630.0	3,240	2,455	2,500	1,921,320	1,632,575	1,575,000
NM.....	12.4	12.7	12.4	12.4	12.7	12.4	2,580	2,260	2,700	31,992	28,700	33,480
NC.....	155.0	145.0	150.0	154.0	143.0	148.0	2,935	3,080	2,650	451,990	440,440	392,200
OK.....	87.0	100.0	100.0	83.0	90.0	98.0	2,060	2,050	2,270	170,980	184,500	222,460
SC.....	12.0	12.0	13.0	12.0	11.5	13.0	2,850	2,220	2,400	34,200	25,530	31,200
TX.....	252.0	225.0	254.0	245.0	220.0	252.0	1,725	1,750	1,750	422,625	385,000	441,000
VA.....	96.0	89.0	91.0	96.0	89.0	90.0	2,955	3,100	2,700	283,680	275,900	243,000
US.....	1,490.4	1,572.7	1,567.4	1,467.4	1,537.2	1,546.4	2,810	2,407	2,341	4,122,787	3,700,745	3,619,440

<sup>1</sup> Preliminary. <sup>2</sup> Net weight basis; estimates comprised of quota and non-quota peanuts.  
National Agricultural Statistics Service.

Table 161.—Peanuts for nuts: Season average price, and value of production, by States, crop of 1985, 1986, and 1987

State	Season average price per pound			Value of production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	22.7	26.5	29.0	133,930	181,159	184,937
FL.....	22.5	25.0	27.0	48,600	58,290	58,266
GA.....	24.6	29.1	28.8	472,645	475,079	453,600
NM.....	23.3	36.5	31.0	9,374	10,476	10,379
NC.....	27.2	29.8	28.6	122,941	131,251	112,169
OK.....	26.3	33.0	25.8	44,968	60,885	57,595
SC.....	17.2	29.7	30.7	5,882	7,582	9,578
TX.....	25.5	29.6	27.0	107,769	113,960	119,070
VA.....	20.2	31.1	24.8	57,303	88,805	60,264
US.....	24.4	29.2	27.7	1,003,412	1,074,487	1,015,658

<sup>1</sup> Preliminary.  
National Agricultural Statistics Service.

Table 162.—Peanuts, farmers' stock: Average price per pound to growers, 1973-86<sup>1</sup>

Crop year <sup>2</sup>	Virginia type (Va.-N.C.)	South-eastern Runner	South-western Spanish	New Mexico Valencias	Crop year <sup>2</sup>	Virginia type (Va.-N.C.)	South-eastern Runner	South-western Spanish	New Mexico Valencias
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>		<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1973.....	16.2	16.6	15.6	16.9	1981.....	22.7	23.1	22.6	24.1
1974.....	17.6	18.5	17.4	17.7	1982.....	29.2	29.2	26.9	28.8
1975.....	18.7	19.3	18.2	22.5	1983.....	25.1	27.9	26.7	28.8
1976.....	19.9	20.1	19.0	24.5	1984.....	28.8	29.6	27.3	29.1
1977.....	21.5	22.1	20.8	24.5	1985.....	29.9	29.6	27.6	29.0
1978.....	21.9	21.9	20.4	22.1	1986.....	31.1	31.7	29.9	29.9
1979.....	21.1	22.4	20.4	21.3					
1980.....	21.6	22.7	20.8	23.4					

<sup>1</sup> Prices are based on average quality factors for each crop year as described in the price-support schedules and summaries of inspections as reported by the Federal-State Inspection Service.

<sup>2</sup> Crop year begins about Oct. 1 in the Virginia-North Carolina Section; in August, in the Southeastern and the Southwestern States.

Agricultural Marketing Service.

**Table 163.—Peanuts, farmers' stock: Price-support operations, United States, 1973-87**

Year beginning August	Quota support price		Additional support level (per pound)	Put under support <sup>2 3</sup>		Owned by CCC July 31 <sup>3</sup>
	Per pound	Percentage of parity <sup>1</sup>		Quantity	Percentage of production	
	<i>Cents</i>	<i>Percent</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Million pounds</i>
1973.....	16.425	75	.....	1,029	29.6	0
1974.....	18.3	75	.....	1,072	29.2	552
1975.....	19.725	75	.....	1,136	29.5	958
1976.....	20.7	75	.....	854	22.8	0
1977 <sup>4</sup> .....	21.525	75	.....	535	14.4	2
1978.....	21.0	( <sup>5</sup> )	12.5	515	12.9	.....
1979.....	21.0	( <sup>5</sup> )	15.0	709	17.9	.....
1980.....	22.75	( <sup>5</sup> )	12.5	337	14.6	.....
1981.....	22.75	( <sup>5</sup> )	12.5	835	20.9	2
1982.....	27.50	( <sup>5</sup> )	10.0	539	15.7	.....
1983.....	27.5	( <sup>5</sup> )	9.3	367	11.1	.....
1984.....	27.5	( <sup>5</sup> )	9.3	1,370	30.9	.....
1985.....	27.5	( <sup>5</sup> )	9.3	1,359	33.0	.....
1986.....	30.4	( <sup>5</sup> )	7.5	290	7.8	.....
1987.....	30.4	( <sup>5</sup> )	7.5	700	19.3	.....

<sup>1</sup> Percentage of the parity price as of the beginning of the marketing year. <sup>2</sup> Includes loans made and direct purchases. <sup>3</sup> Includes shelled peanuts converted to farmers' stock basis. <sup>4</sup> The 1977 legislation authorized a two-price poundage quota program with declining minimum quota levels for 1978-81 crops. The 1981 legislation suspended allotments and continued the declining poundage quotas and the two-price program for 1982-85 crops. The 1985 legislation continued the suspension of allotments and the two-price program, but sets the poundage quota at estimated domestic edible, seed and related uses for the 1986-90 crops. Quota peanuts are those peanuts grown within the farm poundage quota. Additional peanuts are those peanuts grown in excess of the quota. <sup>5</sup> Not applicable. For 1978-86, support level was not based on parity.

Agricultural Stabilization and Conservation Service.

**Table 164.—Peanuts: Simple average of monthly f.o.b. price per pound of cleaned and shelled peanuts by approximate crop years, 1976-85 <sup>1</sup>**

Classification	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Southeastern area:										
Georgia, Alabama, and Florida:										
Shelled:										
Runner Jumbo.....	34½	37¼	36¾	37½	40	47½	47¾	58½	44¼	55%
Runner Medium.....	33	35¼	35	36%	38½	44¼	47%	56%	43	52½
Runner U.S. Splits.....	26¼	32¼	33¾	35%	39	44%	47%	55%	41	49%
Virginia-North Carolina:										
Clean unshelled Virginias:										
Fancy.....	32½	36½	34	36¾	38	41½	43¾	63¼	34%	38¼
Shelled Virginias:										
Extra large.....	39%	40%	42¾	47¼	45%	49¼	49	71¾	47½	55%
Medium.....	37¼	38%	37%	39%	41	47½	47¾	60	44½	53½
No. 2 with 70% splits.....	25%	30¼	31%	33¾	35%	37%	45%	49¾	40¼	44%
Southwestern area:										
Texas and Oklahoma:										
Shelled:										
Spanish No. 1.....	36¼	40%	38%	38%	42	54¼	52¾	59%	55%	52%
Spanish U.S. Splits.....	27½	33½	34%	36%	39	49½	48¼	55½	44	47%
New Mexico:										
Handpicked unshelled Valencias <sup>2</sup> .....	32½	34½	35%	36%	37	44½	43%	52%	39	39¼

<sup>1</sup> Crop year begins about Oct. 1 in the Virginia-North Carolina area; in August, in the Southeastern and the Southwestern States. Prices are for shipment within 6 months.

<sup>2</sup> No U.S. grade standards apply to Valencia peanuts.

Agricultural Marketing Service.

Table 165.—Peanuts: <sup>1</sup> Area and production in specified countries and the world, 1985-86/1987-88

Continent and country	Harvested area <sup>2</sup>			Production		
	1985-86	1986-87	1987-88 <sup>3</sup>	1985-86	1986-87	1987-88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America and Caribbean:</b>						
United States.....	594	622	626	1,870	1,679	1,642
Mexico.....	43	45	40	65	60	55
Dominican Republic.....	20	24	21	18	19	18
Total.....	657	691	687	1,953	1,758	1,715
<b>South America:</b>						
Argentina.....	168	185	169	310	365	295
Brazil.....	161	141	105	216	195	165
Colombia.....	3	4	5	5	6	7
Ecuador.....	8	9	5	8	9	5
Paraguay.....	40	32	28	40	40	35
Venezuela.....	4	4	5	7	8	10
Total <sup>4</sup> .....	400	391	333	603	640	534
<b>Europe:</b>						
Total (including Soviet Union).....	4	4	3	8	10	8
<b>Africa:</b>						
Egypt.....	14	15	15	37	40	40
Nigeria.....	520	660	800	400	400	475
Morocco.....	24	21	25	29	25	30
Zimbabwe.....	153	202	211	73	51	79
Zambia.....	33	70	80	18	30	35
South Africa.....	221	162	207	111	119	207
Total <sup>4</sup> .....	4,706	5,246	5,589	3,447	3,943	4,292
<b>Asia:</b>						
Turkey (Europe and Asia).....	21	22	30	59	50	80
China.....	3,318	3,253	3,058	6,664	5,882	6,170
Taiwan.....	49	50	59	77	83	96
Burma.....	595	600	600	560	586	575
India.....	7,120	7,150	6,100	5,120	6,060	4,400
Indonesia.....	515	505	520	780	765	790
Japan.....	27	24	23	51	47	46
Pakistan.....	55	63	58	63	75	60
Philippines.....	50	45	48	44	41	43
Thailand.....	123	125	125	172	178	178
Other countries.....	241	248	258	280	294	320
Total.....	12,114	12,085	10,879	13,870	14,061	12,758
<b>Oceania: Australia.....</b>						
	29	37	35	43	45	46
World total <sup>4</sup> .....	17,910	18,454	17,526	19,924	20,457	19,354

<sup>1</sup> Peanuts in the shell. Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year.

<sup>2</sup> Harvested area as far as possible.

<sup>3</sup> Preliminary.

<sup>4</sup> Includes countries not listed separately.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

**Table 166.—Soybeans: Area, yield, production, disposition, and value, United States, 1973-87**

Year	Area planted	Soybeans for beans							
		Area harvested	Yield per acre	Production	Used on farms where produced		Sold	Season average price per bushel received by farmers <sup>1</sup>	Value of production <sup>1</sup>
					For seed	Fed to livestock			
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1973	56,549	55,667	27.8	1,547,543	22,521	1,250	1,523,772	5.68	8,790,042
1974	52,479	51,341	23.7	1,216,287	25,317		1,190,970	6.64	8,078,943
1975	54,590	53,617	28.9	1,548,344	21,679		1,526,665	4.92	7,622,493
1976	50,269	49,401	26.1	1,288,608	23,894		1,264,714	6.81	8,775,761
1977	58,978	57,830	30.6	1,767,267	25,432		1,741,835	5.88	10,383,377
1978	64,708	63,663	29.4	1,868,754	25,657		1,843,097	6.66	12,449,679
1979	71,411	70,343	32.1	2,260,665	( <sup>3</sup> )		( <sup>3</sup> )	6.28	14,203,660
1980	69,930	67,813	26.5	1,797,543	( <sup>3</sup> )		( <sup>3</sup> )	7.57	13,601,112
1981	67,543	66,163	30.1	1,989,110	( <sup>3</sup> )		( <sup>3</sup> )	6.04	12,004,638
1982	70,884	69,442	31.5	2,190,297	( <sup>3</sup> )		( <sup>3</sup> )	5.69	12,462,779
1983	63,779	62,525	26.2	1,635,772	( <sup>3</sup> )		( <sup>3</sup> )	7.81	12,774,974
1984	67,755	66,113	28.1	1,860,863	( <sup>3</sup> )		( <sup>3</sup> )	5.78	10,748,050
1985	63,130	61,584	34.1	2,098,531	( <sup>3</sup> )		( <sup>3</sup> )	5.05	10,581,042
1986	60,385	58,292	33.3	1,940,101	( <sup>3</sup> )		( <sup>3</sup> )	4.78	9,262,746
1987 <sup>4</sup>	57,415	56,437	33.7	1,904,712	( <sup>3</sup> )		( <sup>3</sup> )	5.43	10,364,516

<sup>1</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

<sup>2</sup> Beginning 1974, not estimated separately.

<sup>3</sup> Series discontinued.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 167.—Soybeans: Stocks on and off farms, United States, 1973-88**

Year	On farms				Off farms <sup>2</sup>			
	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Sept. 1 <sup>2</sup>	Jan. 1	Apr. 1	June 1 <sup>1</sup>	Sept. 1 <sup>2</sup>
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1973	428,798	145,261	33,847	9,412	437,924	358,372	145,352	50,222
1974	607,233	331,211	150,738	64,414	552,756	405,943	190,865	106,337
1975	484,978	332,096	165,597	78,229	505,392	323,317	191,704	109,922
1976	590,926	411,535	254,029	86,159	665,689	456,283	300,938	158,781
1977	473,405	227,794	92,400	32,756	559,045	390,214	243,335	70,168
1978	674,550	394,405	207,541	59,132	652,400	455,448	298,815	102,044
1979	699,556	408,930	241,255	61,509	695,034	467,646	284,850	114,079
1980	890,091	600,648	396,040	128,596	877,896	580,322	378,144	229,880
1981	732,384	527,222	363,317	153,571	792,792	493,892	317,603	159,436
1982	882,826	565,792	354,097	117,749	727,478	460,128	292,268	136,732
1983	1,008,139	643,134	424,658	118,574	754,560	504,529	365,966	226,060
1984	620,171	374,237	179,601	67,912	670,384	415,765	292,085	107,784
1985	766,335	487,369	326,596	143,221	655,724	408,632	281,821	172,836

  

Year	Mar. 1	June 1	Sept. 1 <sup>2</sup>	Dec. 1	Mar. 1	June 1	Sept. 1 <sup>2</sup>	Dec. 1
1986	n.a.	411,740	167,090	1,061,000	n.a.	437,186	369,275	895,637
1987	589,000	282,100	107,950	865,300	749,958	554,654	326,497	890,170
1988 <sup>4</sup>	551,500	303,900			594,425	351,382		

<sup>1</sup> Prior to 1976, estimates are for July 1.

<sup>2</sup> Old crop only.

<sup>3</sup> Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control.

<sup>4</sup> Preliminary.

n.a. not available.

National Agricultural Statistics Service.

Table 168.—Soybeans: Supply and disappearance, United States, 1973-87

Year beginning September	Supply				
	Stocks by position			Production	Total
	Farm	Terminal market, interior mill, elevator, and warehouse	Total		
<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	
1973.....	9,412	50,222	59,634	1,547,543	1,607,177
1974.....	64,414	106,337	170,751	1,216,287	1,387,038
1975.....	78,229	109,922	188,151	1,548,344	1,736,495
1976.....	86,159	158,781	244,940	1,288,608	1,533,548
1977.....	32,756	70,168	102,924	1,767,267	1,870,191
1978.....	59,132	102,044	161,176	1,868,754	2,029,930
1979.....	61,509	114,079	175,588	2,260,665	2,436,253
1980.....	128,596	229,880	358,476	1,797,543	2,156,019
1981.....	153,571	159,436	313,007	1,989,110	2,302,117
1982.....	117,749	136,732	254,481	2,190,297	2,444,778
1983.....	118,574	226,060	344,634	1,635,772	1,980,406
1984.....	67,912	107,784	175,696	1,860,863	2,036,559
1985.....	143,221	172,836	316,057	2,098,531	2,414,588
1986.....	167,090	369,275	536,365	1,940,101	2,476,466
1987 <sup>1</sup> .....	107,950	328,497	436,447	1,904,712	2,341,159

  

Year beginning September	Disappearance			
	Crushed <sup>2</sup>	Feed and residual <sup>3</sup>	Net exports <sup>4</sup>	Total
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1973.....	821,313	19,890	539,129	1,436,426
1974.....	701,262	19,697	427,342	1,208,527
1975.....	865,121	16,845	555,094	1,490,602
1976.....	790,204	10,308	564,071	1,429,562
1977.....	926,661	82,000	700,484	1,709,145
1978.....	1,017,820	99,000	739,154	1,855,974
1979.....	1,123,382	85,000	875,173	1,083,555
1980.....	1,020,493	89,000	724,295	1,833,788
1981.....	1,029,677	83,000	929,080	2,041,757
1982.....	1,107,997	86,989	905,158	2,100,144
1983.....	982,685	79,265	742,760	1,804,710
1984.....	1,030,474	91,854	598,174	1,720,502
1985.....	1,052,827	84,727	740,672	1,878,223
1986 <sup>1</sup> .....	1,178,769	104,306	756,914	2,039,989

<sup>1</sup> Preliminary.<sup>2</sup> Reported by the U.S. Department of Commerce.<sup>3</sup> Seed, feed, and residual are combined, beginning 1977.<sup>4</sup> Imports negligible.

Economic Research Service.

## FOOTNOTES FOR TABLE 170

<sup>1</sup> Exports only 1978 to date.<sup>2</sup> Preliminary.

Economic Research Service. Data from the U.S. Department of Commerce.

Table 169.—Soybeans: Area, yield, and production, by States, 1985-87

State	Area planted			Soybeans for beans								
	1985	1986	1987 <sup>1</sup>	Area harvested			Yield per harvested acre			Production		
				1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels	
AL.....	1,080	650	500	1,030	610	480	27.0	23.0	16.5	27,810	14,030	7,920
AR.....	3,750	3,400	3,200	3,700	3,300	3,150	26.5	20.0	22.0	98,050	66,000	69,300
DE.....	245	245	240	240	240	235	30.0	24.0	18.0	7,200	5,760	4,230
FL.....	260	150	95	230	140	93	26.0	23.0	25.0	5,980	3,220	2,325
GA.....	1,800	1,220	830	1,550	820	780	24.0	17.0	20.0	37,200	13,940	15,600
IL.....	9,100	9,050	8,600	9,000	9,000	8,500	42.5	40.0	38.0	382,500	360,000	323,000
IN.....	4,500	4,300	4,300	4,460	4,250	4,250	41.5	37.0	40.0	185,090	157,000	170,000
IA.....	8,200	8,500	7,950	8,150	8,450	7,900	38.0	41.5	43.5	309,700	350,675	343,650
KS.....	1,500	1,850	2,150	1,410	1,740	2,110	31.0	33.5	32.0	43,710	58,290	67,520
KY.....	1,260	1,150	990	1,230	1,120	960	34.0	32.0	25.0	41,820	35,840	24,000
LA.....	2,250	1,880	1,650	2,100	1,750	1,600	21.0	20.0	23.5	44,100	35,000	37,600
MD.....	410	400	420	400	390	410	32.0	27.0	22.5	12,800	10,530	9,225
MI.....	1,100	970	1,100	1,080	930	1,090	32.0	31.0	35.0	34,560	28,830	38,150
MN.....	5,100	4,750	4,700	5,000	4,650	4,650	32.0	35.0	39.0	160,000	162,750	181,350
MS.....	2,700	2,600	2,550	2,620	2,450	2,450	27.0	17.0	19.5	70,740	41,650	47,775
MO.....	5,300	5,450	4,900	5,230	5,250	4,830	34.5	32.5	32.0	180,435	170,625	154,560
NE.....	2,400	2,500	2,350	2,360	2,450	2,300	36.0	38.0	35.0	84,960	93,100	81,650
NJ.....	130	120	100	129	117	99	34.0	28.0	31.0	4,386	3,276	3,069
NC.....	1,800	1,640	1,400	1,700	1,530	1,340	23.0	24.0	24.5	39,100	36,720	32,830
ND.....	500	475	480	490	470	475	26.0	35.5	32.5	12,740	16,450	15,438
OH.....	3,900	3,650	4,000	3,870	3,620	3,980	41.5	40.5	37.0	160,605	146,610	147,260
OK.....	210	255	240	190	200	230	23.0	24.0	25.0	4,370	4,800	5,750
PA.....	175	160	170	170	155	165	35.0	35.0	34.0	5,950	5,425	5,610
SC.....	1,290	1,020	750	1,230	830	730	20.0	16.5	21.5	24,600	13,695	15,695
SD.....	1,280	1,350	1,400	1,270	1,330	1,390	32.0	30.5	32.5	40,640	40,565	45,175
TN.....	1,500	1,470	1,300	1,460	1,420	1,250	31.0	25.0	23.0	45,260	35,500	28,750
TX.....	320	240	170	290	190	150	25.0	23.0	28.0	7,250	4,370	4,200
VA.....	720	610	550	695	570	520	25.0	24.0	21.0	17,675	13,680	10,920
WI.....	350	330	330	300	320	320	32.0	36.0	38.0	9,300	11,520	12,160
US.....	63,130	60,385	57,415	61,584	58,292	56,437	34.1	33.3	33.7	2,098,531	1,940,101	1,904,712

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 170.—Soybeans: Crushings, and oil and meal stocks, production, and foreign trade, United States, 1973-87

Year beginning October	Soybeans crushed					Soybean oil			Soybean cake and meal		
	Oct.-Dec.	Jan.-Mar.	Apr.-June	July-Sept.	Total	Stocks Oct. 1	Production	Exports	Stocks Oct. 1	Production	Exports
	1,000 bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els	Million pounds	Million pounds	Million pounds	1,000 tons	1,000 tons	1,000 tons
1973.....	207,370	220,861	210,723	194,517	833,471	516	8,995	1,461	183	19,674	5,548
1974.....	182,656	178,196	163,587	179,710	704,149	794	7,375	1,090	507	16,702	4,299
1975.....	220,260	222,106	231,457	203,666	877,489	561	9,630	1,034	358	20,754	5,145
1976.....	219,012	218,168	184,431	151,666	773,277	1,251	8,578	1,547	355	18,488	4,559
1977.....	247,701	247,190	235,108	216,180	946,179	771	10,288	2,057	228	22,371	6,080
1978.....	275,260	261,117	253,009	232,880	1,022,266	729	11,323	2,334	243	24,354	6,610
1979.....	301,607	308,887	268,460	250,147	1,129,101	776	12,105	2,690	267	27,105	7,932
1980.....	290,378	260,450	241,097	222,398	1,014,323	1,210	11,270	1,631	226	24,312	6,784
1981.....	304,502	266,749	244,647	213,779	1,029,677	1,736	10,979	2,077	163	24,634	6,908
1982.....	320,159	298,556	247,012	253,881	1,119,608	1,103	12,040	2,025	175	26,791	7,109
1983.....	272,408	259,026	224,579	205,635	961,648	1,261	10,873	1,814	474	22,756	5,360
1984.....	289,243	260,953	255,295	245,939	1,051,430	721	11,468	1,660	255	24,529	4,917
1985.....	291,843	272,653	250,288	240,941	1,055,725	632	11,617	1,257	387	24,951	6,009
1986.....	324,038	318,524	281,832	254,636	1,179,030	947	12,783	1,185	212	27,759	7,343
1987 <sup>2</sup> .....	324,478	314,884	.....	.....	.....	1,725	.....	.....	240	.....	.....

See footnotes on page 125.



**Table 171.—Soybeans for beans: Season average price and value of production, by States, crop of 1985, 1986, and 1987**

State	Season average price per bushel <sup>1</sup>			Value of production <sup>1</sup>		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	5.06	4.91	5.40	140,719	68,887	42,768
AR.....	5.19	5.00	5.75	508,880	328,020	398,475
DE.....	5.00	4.84	5.40	36,000	27,878	22,842
FL.....	5.20	4.90	5.55	31,096	15,778	12,904
GA.....	4.82	4.75	5.35	179,304	66,215	83,460
IL.....	5.17	4.91	5.50	1,977,525	1,767,600	1,776,500
IN.....	5.04	4.76	5.45	932,854	748,510	926,500
IA.....	4.99	4.73	5.35	1,545,403	1,658,693	1,838,528
KS.....	4.95	4.60	5.20	216,365	269,134	351,104
KY.....	5.26	4.97	5.50	219,973	178,125	132,000
LA.....	5.01	4.86	5.55	220,941	170,100	208,680
MD.....	5.01	4.84	5.40	64,128	50,965	49,815
MI.....	4.93	4.67	5.30	170,381	134,636	202,195
MN.....	4.98	4.72	5.70	796,800	768,180	1,033,695
MS.....	5.16	4.93	5.65	365,018	205,335	269,929
MO.....	4.96	4.61	5.30	894,958	786,581	819,168
NE.....	4.86	4.56	5.20	412,906	424,536	424,580
NJ.....	4.90	4.75	5.25	21,491	15,561	16,112
NC.....	5.04	4.82	5.65	197,064	176,990	185,490
ND.....	4.79	4.63	5.20	61,025	76,164	80,278
OH.....	5.10	4.86	5.50	819,086	712,525	809,930
OK.....	4.71	4.55	4.90	20,539	21,840	28,175
PA.....	4.75	4.85	5.30	28,263	26,311	29,733
SC.....	5.09	4.93	5.90	125,214	67,516	92,601
SD.....	4.80	4.58	5.00	195,072	185,788	225,875
TN.....	5.08	4.87	5.50	229,921	172,885	158,125
TX.....	4.70	4.42	5.40	34,075	19,315	22,680
VA.....	5.15	4.90	5.75	89,481	67,032	62,790
WI.....	4.85	4.57	4.90	46,656	52,646	59,584
US.....	5.05	4.78	5.43	10,581,042	9,262,746	10,364,516

<sup>1</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States. <sup>2</sup> Preliminary.  
National Agricultural Statistics Service.

**Table 172.—Soybeans: Price-support operations, United States, 1973–87**

Year beginning September	Support price		Put under support <sup>2</sup>		Acquired by CCC under support program <sup>3</sup>	Owned by CCC Aug. 31
	Per bushel	Percentage of parity <sup>1</sup>	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>Percent</i>		
1973.....	2.25	45	124,177	8.0	52	.....
1974.....	2.25	37	34,554	2.8	7	.....
1975.....	( <sup>4</sup> )	.....	.....	.....	.....	.....
1976.....	2.50	34	22,471	1.7	2	.....
1977.....	3.50	46	97,548	5.5	104	.....
1978.....	4.50	51	64,173	3.4	179	.....
1979.....	4.50	45	122,084	5.4	275	1
1980.....	5.02	43	133,209	7.4	3,424	76
1981.....	5.02	40	221,486	11.1	23,419	512
1982.....	5.02	39	396,564	18.1	287	20,851
1983.....	5.02	39	101,208	6.2	443	700
1984.....	5.02	39	278,296	15.0	151,629	4,400
1985.....	5.02	40	517,484	24.7	300,500	131,300
1986.....	4.77	39	326,832	16.8	54,100	249,200
1987.....	4.77	39	<sup>5</sup> 274,800	14.4	.....	.....

<sup>1</sup> Percentage of the parity price as of the beginning of the marketing year.  
<sup>2</sup> Includes loans made, purchase agreements entered into, and direct purchases.  
<sup>3</sup> Acquisitions through loans and purchases (under agreement and direct) from the crop harvested in the year indicated and not acquisitions during that year.  
<sup>4</sup> Price support not authorized for the 1975 crop.  
<sup>5</sup> Preliminary.  
 Agricultural Stabilization and Conservation Service.

**Table 173.—Soybeans, soybean meal, and oil: Average price at specified markets, 1973-86**

Year <sup>1</sup>	Soybeans per bushel: No. 1 Yellow Chicago	Soybean oil per pound crude, tanks, fob Decatur	Soybean meal per short ton: 44 percent protein Decatur	Year <sup>1</sup>	Soybeans per bushel: No. 1 Yellow Chicago	Soybean oil per pound crude, tanks, fob Decatur	Soybean meal per short ton: 44 percent protein Decatur
	Dollars	Cents	Dollars		Dollars	Cents	Dollars
1973	6.12	31.5	146.35	1981	6.24	18.95	182.52
1974	6.34	30.7	130.86	1982	6.11	20.62	187.19
1975	5.25	18.3	147.78	1983	7.78	30.55	188.21
1976	7.36	23.9	199.80	1984	5.88	29.52	125.46
1977	6.11	24.5	164.20	1985	5.20	18.02	154.88
1978	7.09	27.2	190.06	1986	5.03	15.36	162.61
1979	6.46	24.3	181.91				
1980	7.59	22.73	218.18				

<sup>1</sup> Year beginning September for soybeans and October for oil and meal.

Economic Research Service.

**Table 174.—Soybeans: Area, yield, and production in specified countries and the world, 1985-86/1987-88 <sup>1</sup>**

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985-86	1986-87	1987-88 <sup>3</sup>	1985-86	1986-87	1987-88 <sup>3</sup>	1985-86	1986-87	1987-88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Canada	405	384	459	2.499	2.500	2.760	1,012	960	1,267
United States <sup>4</sup>	24,922	23,590	22,839	2.292	2.238	2.270	57,113	52,801	51,838
Mexico	370	340	390	1.919	1.941	1.923	710	660	750
<b>Total</b>	<b>25,697</b>	<b>24,314</b>	<b>23,688</b>				<b>58,835</b>	<b>54,421</b>	<b>53,855</b>
<b>South and Central America:</b>									
Argentina	3,316	3,510	4,300	2.201	1.994	2.302	7,300	7,000	9,900
Brazil	9,450	9,270	10,415	1.492	1.866	1.690	14,100	17,300	17,600
Paraguay	550	530	615	1.091	1.792	1.626	600	950	1,000
Other	195	212	271				408	398	563
<b>Total <sup>5</sup></b>	<b>13,511</b>	<b>13,522</b>	<b>15,601</b>				<b>22,408</b>	<b>25,648</b>	<b>29,063</b>
<b>Europe:</b>									
Bulgaria	71	65	60	.549	1.000	.833	39	65	50
Romania	319	312	350	.994	1.513	1.000	317	472	350
Other Europe	251	402	705				561	1,171	2,099
<b>Total</b>	<b>641</b>	<b>779</b>	<b>1,115</b>				<b>917</b>	<b>1,708</b>	<b>2,499</b>
<b>Soviet Union (Europe and Asia)</b>	<b>738</b>	<b>745</b>	<b>783</b>	<b>.630</b>	<b>.944</b>	<b>.909</b>	<b>465</b>	<b>703</b>	<b>712</b>
<b>Africa:</b>									
Egypt	46	50	50	2.891	2.800	2.880	133	140	144
Nigeria	115	100	135	.478	.700	.556	55	70	75
Zimbabwe	45	59	63	1.867	1.831	1.810	84	108	114
Other Africa	45	56	67				53	56	86
<b>Total</b>	<b>251</b>	<b>265</b>	<b>315</b>				<b>325</b>	<b>374</b>	<b>419</b>
<b>Asia:</b>									
Burma	30	30	30	.767	.767	.767	23	123	23
China	7,718	8,295	8,394	1.362	1.400	1.452	10,509	11,614	12,184
Taiwan	9	11	12	1.667	1.636	1.667	15	18	20
India	1,340	1,390	1,400	.761	.601	.571	1,020	835	800
Indonesia	970	920	1,000	.979	.978	1.000	950	900	1,000
Iran	50	50	50	1.800	1.800	1.800	90	90	90
Japan	134	138	163	1.701	1.775	1.761	228	245	287
Korea, Dem. Peo. Rep. of	330	335	340	1.288	1.299	1.294	425	435	440
Korea, Rep. of	156	133	154	1.500	1.496	1.318	234	199	203
Thailand	241	282	300	1.282	1.262	1.067	309	356	320
Turkey (Europe and Asia)	45	60	80	1.667	2.000	1.500	75	120	120
Other Asia	141	158	156				101	112	112
<b>Total</b>	<b>11,164</b>	<b>11,802</b>	<b>12,079</b>				<b>13,979</b>	<b>14,947</b>	<b>15,599</b>
<b>Oceania: Australia</b>	<b>71</b>	<b>66</b>	<b>57</b>	<b>1.479</b>	<b>1.742</b>	<b>1.544</b>	<b>105</b>	<b>115</b>	<b>88</b>
<b>World total</b>	<b>52,073</b>	<b>51,493</b>	<b>53,638</b>				<b>97,034</b>	<b>97,916</b>	<b>102,240</b>

<sup>1</sup> Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year. <sup>2</sup> Harvested area as far as possible. <sup>3</sup> Preliminary. <sup>4</sup> Area harvested for beans. <sup>5</sup> Includes estimates for above countries for which data are not available and for minor producing countries.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 175.—Soybeans, soybean oil, and soybean oilseed cake and meal: United States exports by country of destination, 1984/85–1986/87<sup>1</sup>**

Continent and country of destination	Soybeans			Soybean oil <sup>3</sup>			Soybean oilseed cake and meal		
	1984/85	1985/86	1986/87 <sup>2</sup>	1984/85	1985/86	1986/87 <sup>2</sup>	1984/85	1985/86	1986/87 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North America:</b>									
Barbados.....	0	0	0	1,606	1,259	801	8,156	11,185	12,758
Canada.....	139,781	114,372	205,492	12,915	6,105	6,934	489,864	607,344	835,085
Haiti.....	15,521	8,280	0	16,110	9,474	15,347	0	766	3,195
Jamaica.....	49,292	51,859	62,364	8,039	750	1,939	2,326	0	2,251
Mexico.....	1,125,560	813,901	1,043,717	45,422	49,109	21,883	105,804	81,465	102,495
Netherlands									
Antilles.....	0	0	0	1,153	492	1,665	1,932	1,846	1,461
Panama.....	9,756	18	276	8,034	2,780	2,975	20,075	27,057	26,229
<b>Total<sup>4</sup></b> .....	<b>1,363,619</b>	<b>1,045,447</b>	<b>1,440,580</b>	<b>155,818</b>	<b>91,940</b>	<b>12,285</b>	<b>833,908</b>	<b>918,501</b>	<b>1,217,282</b>
<b>South America:</b>									
Bolivia.....	0	0	0	2,691	1,560	2,293	0	0	0
Chile.....	0	0	0	78	2	0	0	0	0
Colombia.....	124,461	58,050	134,332	22,178	8,940	529	6,797	0	0
Ecuador.....	0	0	0	44,721	16,689	18,814	0	0	0
Peru.....	2,382	0	20,999	11,399	1,602	1,292	18,874	43,471	62,602
Surinam.....	0	0	0	0	0	0	11,215	10,757	3,902
Venezuela.....	138,950	145,935	189,624	51,882	17,108	18,652	686,479	566,767	628,051
<b>Total<sup>4</sup></b> .....	<b>265,888</b>	<b>460,297</b>	<b>608,609</b>	<b>168,705</b>	<b>45,997</b>	<b>41,580</b>	<b>727,368</b>	<b>621,945</b>	<b>696,170</b>
<b>Europe:</b>									
Belgium and Luxembourg.....	657,944	784,341	888,161	66	0	0	0	0	44,128
Czechoslovakia.....	13,209	0	0	0	0	0	0	0	0
Denmark.....	71,659	57,116	69,033	0	0	2	0	9,944	5,124
France.....	310,949	370,667	438,509	0	0	167	0	15,000	53,733
Germany, Fed. Rep. of.....	718,151	934,105	1,392,997	36	502	150	195,898	575,998	803,542
Greece.....	202,027	199,046	203,426	0	0	0	13,283	0	23,604
Iceland.....	0	0	0	17	17	12	0	0	0
Ireland.....	0	0	8,003	0	0	0	16,239	4,678	40,623
Italy.....	613,450	838,706	528,063	0	0	0	498,978	658,196	979,674
Netherlands.....	2,857,156	3,056,487	3,539,982	19	38	1,490	904,969	1,221,112	926,367
Norway.....	165,029	174,072	193,260	0	0	0	0	0	0
Poland.....	29,127	0	0	5,504	2,942	2,518	117,229	0	0
Spain.....	1,084,217	1,519,011	1,775,335	1	32	73,520	74,547	74,547	189,512
Sweden.....	0	0	0	0	0	0	0	9,064	0
Switzerland.....	32,701	1,485	5,004	0	2	0	4,840	0	0
United Kingdom.....	333,834	441,957	385,841	0	95	19	56,227	59,666	73,398
Yugoslavia.....	206,078	243,450	193,332	0	0	0	51,319	128,753	129,740
<b>Total<sup>4</sup></b> .....	<b>8,003,556</b>	<b>9,419,848</b>	<b>10,589,182</b>	<b>5,642</b>	<b>3,597</b>	<b>4,390</b>	<b>2,170,905</b>	<b>2,904,728</b>	<b>3,584,044</b>
<b>Soviet Union.....</b>	<b>0</b>	<b>1,518,594</b>	<b>70,959</b>	<b>39,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Africa:</b>									
Morocco.....	0	28,051	13,201	3,758	3,236	59,547	0	0	7,994
South Africa.....	0	0	0	4,292	2,638	1,687	22	11	11
Egypt.....	0	44,000	113,706	3,884	4,921	1,922	86,954	200,030	274,861
<b>Total<sup>4</sup></b> .....	<b>3,559</b>	<b>72,051</b>	<b>126,907</b>	<b>110,887</b>	<b>90,643</b>	<b>123,808</b>	<b>97,737</b>	<b>309,022</b>	<b>406,015</b>
<b>Asia:</b>									
Taiwan.....	1,388,896	1,505,815	1,967,595	10	30	38	0	0	0
India.....	0	0	0	62,805	37,562	47,098	0	0	0
Israel.....	376,578	415,643	402,400	874	360	360	681	0	59
Japan.....	3,827,574	4,293,149	4,024,038	1,339	623	810	4,191	45,944	26,418
Korea, Rep. of.....	675,926	995,703	1,032,176	0	19	137	0	42,378	48,193
Pakistan.....	0	0	0	168,437	274,935	146,663	4,622	0	0
Philippines.....	0	5,375	0	2,822	3,000	5,926	195,586	164,002	124,854
<b>Total<sup>4</sup></b> .....	<b>6,471,739</b>	<b>7,507,835</b>	<b>7,668,945</b>	<b>271,039</b>	<b>337,535</b>	<b>246,012</b>	<b>608,734</b>	<b>679,032</b>	<b>718,379</b>
<b>Oceania:</b>									
Australia.....	38,158	19	0	235	168	377	15,594	40,206	33,845
New Zealand.....	11	4	146	1,066	415	5	2,433	2,126	5,498
<b>Total<sup>4</sup></b> .....	<b>38,171</b>	<b>23</b>	<b>146</b>	<b>1,331</b>	<b>589</b>	<b>385</b>	<b>18,301</b>	<b>42,551</b>	<b>39,524</b>
<b>Grand total<sup>5</sup></b> .....	<b>* 16,279,962</b>	<b>* 20,157,761</b>	<b>* 20,599,508</b>	<b>752,918</b>	<b>570,297</b>	<b>538,461</b>	<b>4,456,949</b>	<b>5,475,778</b>	<b>6,661,413</b>

See footnotes on page 134.

**Table 176.—Sunflower: Area, yield, production, and value, United States, 1973-87 <sup>1</sup>**

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	678	666	1,080	719,070	8.52	61,243
1974.....	572	548	957	524,705	15.90	83,219
1975.....	787	709	1,109	786,010	10.80	84,962
1976.....	834	810	1,058	857,100	11.00	94,229
1977.....	2,321	2,205	1,252	2,760,470	10.20	280,428
1978.....	2,840	2,798	1,365	3,817,920	10.70	409,923
1979.....	5,555	5,410	1,349	7,296,110	9.05	659,962
1980.....	3,910	3,683	1,016	3,741,640	11.10	413,907
1981.....	3,865	3,811	1,177	4,487,410	10.80	485,358
1982.....	4,815	4,724	1,129	5,332,820	8.88	473,454
1983.....	3,110	3,063	1,044	3,198,500	13.10	418,764
1984.....	3,754	3,692	1,014	3,744,530	11.10	415,584
1985.....	3,055	2,844	1,109	3,153,020	7.93	251,505
1986.....	2,025	1,955	1,369	2,675,750	6.90	185,119
1987 <sup>2</sup> .....	1,805	1,775	1,469	2,608,150	7.20	187,043

<sup>1</sup> Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 177.—Sunflower, oil varieties: Area, yield, production, and value, United States, 1973-87 <sup>1</sup>**

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	495	486	1,138	553,200	8.06	44,567
1974.....	321	309	1,010	312,025	16.70	51,976
1975.....	573	523	1,117	584,000	10.50	61,137
1976.....	616	600	1,072	643,200	10.70	68,796
1977.....	2,075	1,965	1,258	2,472,120	10.10	249,348
1978.....	2,598	2,559	1,369	3,508,520	10.70	375,975
1979.....	5,331	5,191	1,350	7,008,550	8.93	625,912
1980.....	3,649	3,442	1,019	3,508,710	10.90	383,339
1981.....	3,545	3,496	1,178	4,118,570	10.60	436,252
1982.....	4,566	4,479	1,126	5,045,390	8.70	439,154
1983.....	2,954	2,909	1,041	3,027,850	13.10	396,573
1984.....	3,517	3,460	1,011	3,499,400	10.80	378,971
1985.....	2,807	2,608	1,100	2,867,920	7.45	213,774
1986.....	1,777	1,716	1,367	2,345,110	6.55	153,697
1987 <sup>2</sup> .....	1,587	1,563	1,473	2,302,250	6.96	160,138

<sup>1</sup> Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 178.—Sunflower, non-oil varieties: Area, yield, production, and value, United States, 1973-87 <sup>1</sup>

Year	Area		Yield per harvested acre	Production	Price per cwt.	Value of production
	planted	harvested				
	1,000 acres	1,000 acres	Pounds	1,000 pounds	Dollars	1,000 dollars
1973.....	183	180	922	165,870	8.20	13,609
1974.....	251	239	890	212,680	14.70	31,243
1975.....	214	186	1,086	202,010	11.80	23,825
1976.....	218	210	1,019	213,900	11.90	25,433
1977.....	246	240	1,201	288,350	10.80	31,080
1978.....	242	239	1,315	314,400	10.80	33,948
1979.....	224	219	1,313	287,560	11.80	34,050
1980.....	261	241	967	232,930	13.10	30,568
1981.....	320	315	1,171	368,840	13.30	49,106
1982.....	249	245	1,173	287,430	11.90	34,300
1983.....	156	154	1,108	170,650	13.00	22,191
1984.....	237	232	1,057	245,130	14.90	36,613
1985.....	248	236	1,208	285,100	13.20	37,731
1986.....	248	239	1,383	330,640	9.50	31,422
1987 <sup>2</sup> .....	218	212	1,443	305,900	8.90	27,265

<sup>1</sup> Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 179.—Sunflower: Area, yield, production, and value, by States, 1986-87

State	Area planted		Area harvested		Yield per harvested acre		Production		Marketing year average price per cwt.		Value of production	
	1986	1987 <sup>1</sup>	1986	1987 <sup>1</sup>	1986	1987 <sup>1</sup>	1986	1987 <sup>1</sup>	1986		1986	1987 <sup>1</sup>
									1986	1987 <sup>1</sup>		
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	1,000 pounds	1,000 pounds	Dollars	Dollars	1,000 dollars	1,000 dollars
Oil varieties:												
MN.....	130	80	126	79	1,500	1,450	189,000	114,550	6.71	7.05	12,682	8,076
ND.....	1,240	1,200	1,195	1,180	1,350	1,520	1,613,250	1,793,600	6.66	7.00	107,442	125,552
SD.....	377	295	367	293	1,380	1,300	506,460	380,900	6.09	6.70	30,843	25,520
TX.....	30	12	28	11	1,300	1,200	36,400	13,200	7.50	7.50	2,730	990
Total.....	1,777	1,587	1,716	1,563	1,367	1,473	2,345,110	2,302,250	6.55	6.96	153,697	160,138
Non-oil varieties:												
MN.....	25	10	24	9	1,550	1,500	37,200	13,500	9.11	8.95	3,400	1,208
ND.....	220	200	212	195	1,370	1,450	290,440	282,750	9.55	8.90	27,737	25,165
SD.....	3	5	3	5	1,000	1,210	3,000	6,050	9.50	8.80	285	532
TX.....		3		3		1,200		3,600		10.00		360
Total.....	248	218	239	212	1,383	1,443	330,640	305,900	9.50	8.90	31,422	27,265
Total:												
MN.....	155	90	150	88	1,508	1,455	226,200	128,050	7.11	7.25	16,082	9,284
ND.....	1,460	1,400	1,407	1,375	1,353	1,510	1,903,690	2,076,350	7.10	7.26	135,179	150,717
SD.....	380	300	370	298	1,377	1,298	509,460	386,950	6.11	6.70	31,128	26,052
TX.....	30	15	28	14	1,300	1,200	36,400	16,800	7.50	8.04	2,730	1,350
Total.....	2,025	1,805	1,955	1,775	1,369	1,469	2,675,750	2,608,150	6.90	7.20	185,119	187,403

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 180.—Sunflower seeds: Yield and production in specified countries, 1985/86–1987/88 <sup>1</sup>**

Continent and country	Area <sup>2</sup>			Yield per hectare			Production		
	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>	1985/86	1986/87	1987/88 <sup>3</sup>
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>									
Canada .....	71	26	34	1.155	1.385	1.530	82	36	52
Mexico .....	17	15	12	1.176	1.000	.833	20	15	10
United States .....	1,151	791	718	1.242	1.535	1.648	1,430	1,214	1,183
<b>Total</b> .....	<b>1,239</b>	<b>832</b>	<b>764</b>	<b>1.237</b>	<b>1.520</b>	<b>1.630</b>	<b>1,532</b>	<b>1,265</b>	<b>1,245</b>
<b>South America:</b>									
Argentina .....	3,046	1,800	2,058	1.346	1.388	1.360	4,100	2,500	2,800
Brazil .....	3	3	4	1.000	1.000	1.500	3	3	6
Chile .....	30	19	23	1.833	1.789	1.913	55	34	44
Uruguay .....	75	61	62	1.027	.787	.790	77	48	49
<b>Total</b> <sup>4</sup> .....	<b>3,160</b>	<b>1,893</b>	<b>2,153</b>	<b>1.342</b>	<b>1.372</b>	<b>1.353</b>	<b>4,240</b>	<b>2,597</b>	<b>2,913</b>
<b>European Community:</b>									
France .....	591	841	965	2.499	2.262	2.400	1,477	1,902	2,315
Greece .....	49	80	98	1.735	2.038	1.224	85	163	120
Italy .....	94	104	109	1.723	2.451	2.130	162	255	232
Portugal .....	40	44	47	.725	.750	.809	29	33	38
Spain .....	1,125	1,070	1,100	.880	.860	.909	990	920	1,000
<b>Total</b> .....	<b>1,899</b>	<b>2,139</b>	<b>2,327</b>	<b>1.444</b>	<b>1.532</b>	<b>1.602</b>	<b>2,743</b>	<b>3,277</b>	<b>3,729</b>
<b>East Europe:</b>									
Bulgaria .....	267	255	290	1.367	1.917	1.293	365	489	375
Czechoslovakia .....	23	25	27	1.826	2.280	2.296	42	57	62
Hungary .....	343	391	377	1.962	2.189	2.079	673	857	784
Romania .....	466	470	455	1.524	2.136	1.428	710	1,004	650
Yugoslavia .....	112	189	251	2.080	2.376	1.964	233	449	493
<b>Total</b> .....	<b>1,211</b>	<b>1,330</b>	<b>1,400</b>				<b>2,023</b>	<b>2,856</b>	<b>2,364</b>
<b>North Africa:</b>									
Egypt .....	7	7	11	2.143	2.143	2.000	15	15	22
Morocco .....	34	44	60	.735	.711	.783	25	32	47
<b>Total</b> .....	<b>41</b>	<b>51</b>	<b>71</b>			<b>.972</b>	<b>40</b>	<b>47</b>	<b>69</b>
<b>Other Africa:</b>									
Tanzania .....	81	81	81	.519	.519	.519	42	42	42
Zambia .....	60	30	35	.500	.633	.800	30	19	28
Zimbabwe .....	51	87	100	.373	.253	.470	19	22	47
South Africa .....	323	383	462	.842	1.055	1.169	272	404	540
<b>Total</b> <sup>4</sup> .....	<b>631</b>	<b>698</b>	<b>795</b>	<b>.676</b>	<b>.789</b>	<b>.907</b>	<b>426</b>	<b>551</b>	<b>721</b>
<b>Middle East:</b>									
Iran .....	19	19	19	.737	.737	.737	14	14	14
Israel .....	6	6	6	1.666	1.500	1.000	10	9	6
Turkey .....	643	689	680	1.089	1.364	1.471	700	940	1,000
<b>Total</b> <sup>4</sup> .....	<b>681</b>	<b>728</b>	<b>719</b>	<b>1.078</b>	<b>1.340</b>	<b>1.434</b>	<b>734</b>	<b>974</b>	<b>1,031</b>
<b>Asia:</b>									
Burma .....	233	265	275	.927	.943	.909	216	250	250
China .....	1,474	1,040	950	1.175	1.485	1.421	1,732	1,544	1,350
India .....	750	992	1,050	.373	.440	.476	280	436	500
Pakistan .....	33	45	50	.818	.711	.800	27	32	40
<b>Total</b> .....	<b>2,490</b>	<b>2,342</b>	<b>2,325</b>	<b>.906</b>	<b>.966</b>	<b>.920</b>	<b>2,255</b>	<b>2,262</b>	<b>2,140</b>
<b>Soviet Union</b> .....	<b>4,053</b>	<b>3,848</b>	<b>4,156</b>	<b>1.298</b>	<b>1.366</b>	<b>1.462</b>	<b>5,260</b>	<b>5,258</b>	<b>6,075</b>
<b>Oceania: Australia</b> .....	<b>277</b>	<b>178</b>	<b>164</b>	<b>.776</b>	<b>.815</b>	<b>.848</b>	<b>215</b>	<b>145</b>	<b>139</b>
<b>World total</b> <sup>4</sup> .....	<b>15,779</b>	<b>14,057</b>	<b>14,905</b>	<b>1.234</b>	<b>1.370</b>	<b>1.374</b>	<b>19,478</b>	<b>19,248</b>	<b>20,476</b>

<sup>1</sup> Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year. <sup>2</sup> Harvested area as far as possible. <sup>3</sup> Preliminary. <sup>4</sup> Totals may not add.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 181.—Peppermint oil: Area, yield, production, and value, United States, 1973–87

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	59.6	58.7	54	3,173	7.89	25,036
1974.....	61.8	61.0	54	3,302	13.80	45,696
1975.....	( <sup>1</sup> )	68.1	55	3,753	12.60	47,120
1976.....		72.2	51	3,700	14.80	54,702
1977.....		86.9	51	4,409	14.30	63,209
1978.....		100.0	56	5,557	10.60	59,081
1979.....		90.9	53	4,815	9.91	47,693
1980.....		81.3	57	4,611	9.40	43,355
1981.....		69.5	60	4,191	9.39	39,359
1982.....		60.9	60	3,668	9.24	33,908
1983.....		61.3	63	3,867	10.10	39,152
1984.....		67.2	64	4,334	10.80	46,964
1985.....		65.1	66	4,317	10.20	43,989
1986.....		64.2	67	4,328	10.70	46,218
1987 <sup>2</sup> .....		65.8	68	4,446	11.70	52,053

<sup>1</sup> Estimates discontinued.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 182.—Spearmint oil: Area, yield, production, and value, United States, 1973–87

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	25.4	25.0	54	35	8.22	11,104
1974.....	26.9	26.4	55	1,463	10.70	15,666
1975.....	( <sup>1</sup> )	28.0	64	1,778	10.40	18,461
1976.....		29.0	58	1,686	12.30	20,778
1977.....		37.1	63	2,329	12.40	28,947
1978.....		46.1	70	3,244	7.46	24,200
1979.....		33.1	58	1,921	8.72	16,757
1980.....		31.3	68	2,139	9.61	20,554
1981.....		29.2	75	2,177	9.42	20,510
1982.....		22.8	59	1,355	12.60	17,067
1983.....		26.2	61	1,596	12.30	19,687
1984.....		27.9	72	2,019	12.60	25,405
1985.....		30.1	77	2,317	11.70	27,084
1986.....		28.5	93	2,658	11.40	30,396
1987 <sup>2</sup> .....		23.8	86	2,053	12.10	24,747

<sup>1</sup> Estimates discontinued.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 183.—Mint oil: Production and value, by States, 1985-87

State	Production			Price per pound			Value of production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dol-lars</i>	<i>Dol-lars</i>	<i>Dol-lars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
<b>Peppermint:</b>									
ID.....	442	584	595	9.25	8.45	8.90	4,089	4,935	5,296
IN.....	182	228	234	11.70	13.30	13.50	2,129	3,032	3,159
OR.....	2,380	2,345	2,450	11.00	11.70	12.40	26,180	27,437	30,380
WA.....	1,148	970	1,001	8.30	8.35	10.80	9,528	8,100	10,811
WI.....	165	201	166	12.50	13.50	14.50	2,063	2,714	2,407
US.....	4,317	4,328	4,446	10.20	10.70	11.70	43,989	46,218	52,053
<b>Spearmint:</b>									
ID.....	187	252	187	14.10	14.00	13.90	2,637	3,528	2,599
IN.....	107	140	137	13.10	11.00	12.90	1,402	1,540	1,767
MI.....	92	87	52	12.10	11.00	12.50	1,113	957	650
OR.....	154	153	113	14.00	14.00	13.80	2,156	2,142	1,559
WA.....	1,605	1,859	1,408	10.80	10.70	11.30	17,334	19,891	15,910
WI.....	172	167	156	14.20	14.00	14.50	2,442	2,338	2,262
US.....	2,317	2,658	2,053	11.70	11.40	12.10	27,084	30,396	24,747

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 175

<sup>1</sup> For soybeans, year begins Sept. 1; for soybean oil and oilseed cake and meal, year begins Oct. 1.<sup>2</sup> Preliminary.<sup>3</sup> Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by the Bureau of the Census.<sup>4</sup> Includes quantities exported to countries not shown.<sup>5</sup> Total may not add due to rounding.<sup>6</sup> Includes 133,430 metric tons, 133,663 metric tons and 94,182 metric tons transshipped via Canada to unidentified countries in 1984/85, 1985/86 and 1986/87 respectively.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.



**Table 184.—Olive oil: <sup>1</sup> Production in specified countries and the world, 1984-87**

Country	1984	1985	1986	1987 <sup>2</sup>	Country	1984	1985	1986	1987 <sup>2</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
<b>Europe:</b>					<b>Africa:</b>				
France .....	3	2	2	1	Algeria .....	13	12	12	12
Greece .....	230	185	265	248	Morocco .....	28	27	28	43
Italy .....	824	343	641	356	Tunisia .....	150	105	105	114
Portugal .....	9	47	33	45	Libya .....	8	7	7	7
Spain .....	258	689	397	491	<b>Total .....</b>	<b>199</b>	<b>151</b>	<b>152</b>	<b>176</b>
Yugoslavia .....	3	2	2	2	<b>Argentina .....</b>	<b>13</b>	<b>16</b>	<b>16</b>	<b>16</b>
<b>Total .....</b>	<b>1,327</b>	<b>1,268</b>	<b>1,340</b>	<b>1,143</b>	<b>Other countries .....</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>Middle East:</b>					<b>World total .....</b>	<b>1,644</b>	<b>1,600</b>	<b>1,624</b>	<b>1,632</b>
Israel .....	4	5	4	5					
Jordan .....	10	4	7	5					
Syria .....	31	63	32	60					
Lebanon .....	15	9	9	9					
Turkey .....	40	80	60	115					
<b>Total .....</b>	<b>100</b>	<b>161</b>	<b>112</b>	<b>194</b>					

<sup>1</sup> Production in marketing year beginning Nov. 1; excludes residue oil.

<sup>2</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 185.—Margarine, actual weight: Supply and disposition, United States, 1973-87**

Year	Supply			Disposition		
	Production	Stocks, Jan. 1	Total supply	Exports <sup>1</sup>	Domestic disappearance	
					Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1973 .....	2,359	69	2,428	13	2,354	11.1
1974 .....	2,398	61	2,459	15	2,380	11.1
1975 .....	2,399	64	2,463	5	2,398	11.1
1976 .....	2,628	60	2,688	6	2,615	12.0
1977 .....	2,535	67	2,602	7	2,515	11.4
1978 .....	2,520	80	2,600	7	2,523	11.3
1979 .....	2,553	70	2,623	7	2,535	11.3
1980 .....	2,593	81	2,674	8	2,592	11.4
1981 .....	2,577	74	2,651	17	2,573	11.2
1982 .....	2,596	61	2,657	13	2,582	11.1
1983 .....	2,451	62	2,513	12	2,446	10.4
1984 .....	2,481	55	2,536	9	2,472	10.5
1985 .....	2,603	55	2,658	9	2,588	10.8
1986 .....	2,789	61	2,850	8	2,761	11.5
1987 <sup>2</sup> .....	2,554	81	2,635	8	2,564	10.5

<sup>1</sup> Includes shipments prior to 1975. <sup>2</sup> Preliminary.

Economic Research Service. Totals and per capita estimates computed from unrounded numbers.

**Table 186.—Margarine: Selected reported fats and oils used in manufacture, United States, 1973-87**

Year	Vegetable oils			Animal fats <sup>1</sup>	Total <sup>2</sup>
	Soybean oil	Cottonseed oil	Corn oil		
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1973 .....	1,491	63	213	80	1,889
1974 .....	1,457	58	188	167	1,905
1975 .....	1,568	46	188	52	1,917
1976 .....	1,671	51	218	44	2,091
1977 .....	1,585	44	243	80	2,026
1978 .....	1,593	42	211	74	1,997
1979 .....	1,643	25	222	86	1,985
1980 .....	1,653	25	223	104	2,016
1981 .....	1,685	25	214	78	2,012
1982 .....	1,718	21	220	29	1,997
1983 .....	1,549	34	212	41	1,850
1984 .....	1,544	26	196	.....	1,842
1985 .....	1,628	.....	210	65	1,946
1986 .....	1,741	.....	190	48	2,041
1987 .....	1,615	28	248	22	1,931

<sup>1</sup> Lard and edible tallow.<sup>2</sup> Includes small quantities of nuts, coconut, palm, and sunflower oil.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce. Totals computed from unrounded numbers.

**Table 187.—Shortening: Supply and disposition, United States, 1973-87**

Year	Supply			Disposition		
	Factory and warehouse stocks, Jan. 1	Production	Total supply	Exports and shipments	Domestic disappearance	
					Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1973 .....	127	3,636	3,763	25	3,623	17.1
1974 .....	115	3,703	3,818	53	3,631	17.0
1975 .....	134	3,713	3,847	43	3,722	17.3
1976 .....	125	3,929	4,054	51	3,926	18.0
1977 .....	128	3,841	3,969	46	3,856	17.5
1978 .....	113	4,015	4,128	34	4,021	18.1
1979 .....	107	4,206	4,313	41	4,181	18.6
1980 .....	132	4,178	4,310	40	4,179	18.4
1981 .....	131	4,291	4,422	49	4,302	18.7
1982 .....	120	4,379	4,499	45	4,366	18.8
1983 .....	133	4,363	4,496	31	4,365	18.6
1984 .....	131	5,068	5,199	30	5,070	21.4
1985 .....	129	5,505	5,634	30	5,477	22.9
1986 .....	127	5,383	5,510	36	5,337	22.1
1987 <sup>1</sup> .....	137	5,237	5,374	31	5,204	22.2

<sup>1</sup> Preliminary.

Economic Research Service. Compiled from reports of the Commerce and Agriculture Departments.

Table 188.—Shortening: Fats and oils used in manufacture, United States, 1973-87

Year	Vegetable oils							Animal fats		Total primary and secondary fats and oils <sup>1</sup>
	Cotton-seed oil	Soybean oil	Coconut oil	Peanut oil	Corn oil	Palm oil	Other	Lard	Edible tallow	
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1973.....	199	2,268	86	( <sup>2</sup> )	( <sup>2</sup> )	184	29	341	536	3,696
1974.....	194	2,177	61	( <sup>2</sup> )	( <sup>2</sup> )	270	35	317	637	3,725
1975.....	154	2,025	106	( <sup>2</sup> )	( <sup>2</sup> )	604	69	166	602	3,728
1976.....	128	2,322	128	( <sup>2</sup> )	( <sup>2</sup> )	532	8	156	622	3,938
1977.....	160	2,279	78	( <sup>2</sup> )	( <sup>2</sup> )	371	9	185	748	3,855
1978.....	189	2,480	75	( <sup>2</sup> )	( <sup>2</sup> )	266	4	220	808	4,059
1979.....	169	2,680	93	( <sup>2</sup> )	( <sup>2</sup> )	222	3	316	713	4,213
1980.....	189	2,651	103	( <sup>2</sup> )	( <sup>2</sup> )	88	( <sup>3</sup> )	378	673	4,200
1981.....	136	2,767	125	( <sup>2</sup> )	( <sup>2</sup> )	217	( <sup>3</sup> )	315	724	4,304
1982.....	158	2,948	139	( <sup>2</sup> )	( <sup>2</sup> )	190	( <sup>3</sup> )	251	679	4,391
1983.....	139	2,914	152	( <sup>2</sup> )	( <sup>2</sup> )	213	( <sup>3</sup> )	277	632	4,381
1984.....	151	3,465	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	216	( <sup>3</sup> )	263	821	5,108
1985.....	173	3,625	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	230	( <sup>3</sup> )	289	1,015	5,564
1986.....	182	3,375	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	320	( <sup>3</sup> )	274	973	5,453
1987 <sup>4</sup> .....	136	3,434	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	215	( <sup>3</sup> )	224	890	5,303

<sup>1</sup> Includes small quantities of corn, peanut, safflower, and sunflower oil. <sup>2</sup> Not included to avoid disclosure. <sup>3</sup> Not available. <sup>4</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce. Totals computed from unrounded numbers.

Table 189.—Inedible tallow and grease: Supply and disposition, United States, and price per pound at Chicago, 1973-87

Year	Supply					Disposition			Price of inedible tallow No. 1 at Chicago, per pound
	Stocks Jan. 1	Production	Imports	Total	Exports	Factory consumption			
						Total	Use in soap	Use in feed	
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Cents
1973.....	341	5,237	10	5,588	2,297	2,540	566	955	12.4
1974.....	356	5,527	12	5,895	2,620	3,029	682	1,148	15.3
1975.....	380	4,655	15	5,050	2,009	2,908	662	1,283	12.0
1976.....	277	5,675	9	5,961	2,331	3,367	764	1,464	13.2
1977.....	355	6,106	4	6,465	2,885	3,180	737	1,330	13.6
1978.....	344	5,815	3	6,162	2,698	3,220	695	1,390	16.0
1979.....	347	5,836	.....	6,183	2,795	3,117	663	1,239	18.8
1980.....	390	5,916	.....	6,306	3,254	2,979	666	1,246	14.3
1981.....	413	6,124	.....	6,537	3,134	2,985	520	1,323	15.3
1982.....	451	6,026	.....	6,477	3,035	2,898	545	1,418	12.8
1983.....	368	6,129	.....	6,497	2,931	2,813	574	1,397	13.4
1984.....	376	5,881	.....	6,257	2,735	2,941	623	1,346	14.5
1985.....	368	5,827	.....	6,195	2,737	2,782	535	1,363	14.3
1986.....	362	5,543	.....	5,905	2,562	2,917	482	1,604	9.0
1987.....	316	5,602	.....	5,918	2,491	3,082	571	1,727	14.9

Economic Research Service.

**Table 190.—Fats, oils, and oilseeds (fat or oil equivalent): World production, 1984-85/1987-88**

Commodity	World production <sup>1</sup>			
	1984-85	1985-86	1986-87	1987-88 <sup>2</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
<b>Edible vegetable oils:</b>				
Cottonseed .....	3,871	3,485	3,075	3,369
Peanut .....	3,036	2,945	3,052	2,772
Soybean .....	13,340	13,773	15,066	15,350
Sunflower .....	6,174	6,632	6,473	7,030
Rapeseed .....	5,602	6,177	6,798	7,484
Olive <sup>3</sup> .....	1,600	1,624	1,583	1,632
<b>Total .....</b>	<b>32,023</b>	<b>34,636</b>	<b>35,997</b>	<b>37,637</b>
<b>Palm oils:</b>				
Coconut .....	2,630	3,322	2,995	2,179
Palm kernel .....	959	1,107	1,099	1,146
Palm .....	6,921	8,158	8,118	8,422
<b>Total .....</b>	<b>10,240</b>	<b>12,587</b>	<b>12,212</b>	<b>11,747</b>
<b>Industrial oils:</b>				
Linseed .....	642	587	610	627
<b>Total .....</b>	<b>642</b>	<b>587</b>	<b>610</b>	<b>627</b>
<b>Animal fats:</b>				
Butter (fat content) .....	5,390	5,582	5,194	5,152
Tallow and grease .....	6,522	6,398	6,388	6,225
<b>Total .....</b>	<b>11,912</b>	<b>11,980</b>	<b>11,592</b>	<b>11,377</b>
<b>Marine oils:</b>				
Fish .....	1,369	1,486	1,255	1,356
<b>Total .....</b>	<b>1,369</b>	<b>1,486</b>	<b>1,255</b>	<b>1,356</b>
<b>Total, all commodities .....</b>	<b>58,186</b>	<b>61,276</b>	<b>61,666</b>	<b>62,744</b>

<sup>1</sup> Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year.

<sup>2</sup> Preliminary.

<sup>3</sup> Excludes olive residue oil.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 191.—Fats, oils, oilseeds, and oilseed cake and meal: Exports of selected items, United States, 1973-87**

Year beginning January	Lard	Inedible animal tallow, greases, and oils <sup>1</sup>	Oilseeds and nuts					
			Cottonseed	Flaxseed	Peanuts unshelled	Peanuts shelled	Soybeans	
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	51,414	1,108,416	11,952	10,627	11,018	183,393	13,220,591	
1974.....	73,204	1,291,210	44,277	9,296	24,060	240,307	13,939,781	
1975.....	39,791	955,827	6,770	27,138	11,907	235,059	12,496,246	
1976.....	81,900	1,157,959	64,810	10,401	7,393	128,931	15,332,100	
1977.....	82,568	1,401,721	14,727	23,812	14,778	299,331	16,195,496	
1978.....	54,237	1,228,256	42,908	2,392	40,117	354,736	20,704,536	
1979.....	43,507	1,286,915	7,473	3,590	38,053	347,699	20,890,129	
1980.....	41,914	1,516,948	189,057	3,912	24,558	297,679	21,778,536	
1981.....	67,901	1,488,304	25,479	534	21,337	140,963	21,830,405	
1982.....	46,709	1,413,331	37,563	15,047	28,442	193,889	25,474,898	
1983.....	40,195	1,386,778	1,902	2,848	26,500	215,726	22,704,181	
1984.....	40,358	1,267,621	55,141	6,365	26,119	259,541	19,482,717	
1985.....	47,414	1,280,665	45,792	2,433	34,748	298,975	16,889,203	
1986.....	47,827	1,191,774	10,905	39,275	30,320	277,389	21,379,465	
1987 <sup>2</sup> .....	48,239	1,155,966	25,272	4,282	41,778	216,371	21,252,893	

  

Year beginning January	Vegetable oils							Oilseed cake and meal	
	Cocoa butter	Coconut oil	Cottonseed oil <sup>3</sup>	Linseed oil	Margarine	Peanut oil	Soybean oil <sup>3</sup>	Soybean	Other
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	1,154	4,611	247,675	96,442	1,426	47,029	438,827	4,414,665	342,274
1974.....	834	2,754	276,673	52,940	1,884	20,786	762,094	4,909,653	241,131
1975.....	405	2,570	297,861	39,542	2,152	12,154	356,338	3,782,761	165,672
1976.....	443	19,890	236,293	9,477	2,893	47,821	510,007	4,862,126	179,298
1977.....	1,130	7,342	331,758	11,570	3,063	45,065	773,791	4,133,659	159,011
1978.....	240	5,230	330,765	24,687	3,430	40,339	929,282	5,914,130	338,577
1979.....	233	4,396	287,130	11,379	3,367	4,870	1,129,334	6,087,713	354,375
1980.....	441	4,863	356,276	24,846	3,647	18,102	1,096,080	7,053,989	373,002
1981.....	592	11,362	318,568	31,301	7,509	19,752	818,730	6,344,614	466,625
1982.....	999	10,337	387,525	9,943	6,007	9,598	932,857	6,220,742	224,285
1983.....	537	8,409	194,797	6,905	5,128	2,087	785,690	6,488,317	251,802
1984.....	1,447	16,634	171,299	22,847	4,200	6,685	1,008,517	4,400,371	185,683
1985.....	1,167	9,607	191,377	6,262	4,139	16,543	586,289	4,711,894	137,161
1986.....	906	10,011	173,919	4,095	3,811	32,226	540,447	6,004,288	123,753
1987 <sup>2</sup> .....	1,788	34,772	109,881	3,118	3,517	2,999	629,961	5,928,449	176,301

<sup>1</sup> Includes edible and inedible tallow, choice white grease, wool grease, yellow grease, edible and inedible oleo and oleo stearine, and animal oils, fats and oils, n.e.c.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes shipments under P.L. 480 as reported by the Bureau of the Census.

Foreign Agricultural Service. Compiled from reports of the Commerce and Agriculture Departments.

**Table 192.—Oilseeds, oils, and oilseed cake and meal: Imports of selected items, United States, 1973-87**

Year beginning January	Oilseeds					
	Castor beans	Copra	Flaxseed	Peanuts unshelled	Peanuts shelled <sup>1</sup>	Poppy seed
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	4	198,566	134	17	205	2,451
1974.....	4	26,623	13,123	70	175	1,856
1975.....	5	0	3,497	10	241	7,002
1976.....	3	0	32,921	210	69	2,539
1977.....	0	2	38,216	199	49	4,172
1978.....	0	4	28,408	168	64	2,685
1979.....	3	419	54,325	168	47	2,364
1980.....	3	0	30,808	362	80	2,661
1981.....	0	0	118,063	1,389	137,834	2,842
1982.....	2	52	50,919	100	903	3,314
1983.....	0	0	87,491	398	1,080	3,101
1984.....	1	0	76,179	31	972	4,346
1985.....	0	0	125,564	171	162	3,560
1986.....	34	0	60,433	621	1,049	4,789
1987 <sup>2</sup> .....	0	536	60,113	308	663	3,776

  

Year beginning January	Oilseeds—continued			Vegetable oils			
	Rapeseed	Sesame seed	Soybeans	Cocoa butter	Castor oil	Coconut oil	Linseed oil
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	15	23,952	310	15,198	45,962	326,703	155
1974.....	59	25,973	34	16,688	55,665	245,969	17
1975.....	4,625	20,248	41	15,515	31,130	394,207	39
1976.....	2,412	28,649	54	23,083	53,613	552,007	3
1977.....	205	28,357	105	17,730	50,452	456,639	19
1978.....	415	32,000	69	24,638	51,947	463,803	15
1979.....	509	32,099	260	30,839	48,676	444,432	9
1980.....	266	31,571	6,000	34,658	42,732	403,388	7
1981.....	265	37,954	8,498	43,197	40,389	470,330	14
1982.....	421	33,213	6,439	37,326	29,347	403,596	4
1983.....	535	42,789	2,505	47,981	33,680	449,389	3
1984.....	1,047	36,759	10,948	51,712	35,476	377,924	43
1985.....	611	37,334	4,109	70,147	37,189	450,199	11
1986.....	799	36,316	17,897	70,855	37,664	548,317	357
1987 <sup>2</sup> .....	503	36,518	10,930	79,774	42,528	506,387	159

  

Year beginning January	Vegetable oils—continued						Total oilseed cake and meal
	Olive oil	Palm oil	Palm kernel oil	Peanut oil	Rapeseed oil	Tung oil	
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	27,296	176,994	45,681	14	6,334	9,886	22,423
1974.....	24,364	186,626	66,129	504	7,696	9,542	18,779
1975.....	21,634	436,338	73,176	323	2,624	13,637	4,302
1976.....	28,303	351,889	63,425	528	5,511	15,653	35,232
1977.....	24,633	249,501	69,896	12	6,876	8,537	20,128
1978.....	28,087	146,431	57,233	19	6,451	8,125	8,977
1979.....	27,306	141,599	76,151	24	6,381	9,089	25,263
1980.....	25,553	115,891	83,294	30	6,422	7,366	26,420
1981.....	27,720	121,893	69,268	38	6,286	6,819	52,671
1982.....	29,235	113,403	95,638	72	6,891	6,531	66,136
1983.....	33,113	149,114	106,547	1,757	5,346	6,185	102,390
1984.....	41,147	147,706	91,683	929	5,259	6,318	116,155
1985.....	43,959	225,410	128,310	405	15,332	6,339	156,386
1986.....	54,010	279,597	195,963	1,090	55,293	5,575	152,498
1987 <sup>2</sup> .....	63,736	187,899	182,951	4,700	87,317	5,895	259,742

<sup>1</sup> Includes blanched or roasted peanuts.<sup>2</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 193.—Inedible animal tallow, greases, and oils: <sup>1</sup> United States exports by region and country of destination, 1985-87**

Continent and country	1985	1986	1987 <sup>2</sup>	Continent and country	1985	1986	1987 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>North and Central America:</b>				<b>Soviet Union</b> .....	80,107	49,981	54,878
Canada.....	2,463	4,174	6,534	<b>Africa:</b>			
Dominican Republic.....	18,626	20,902	25,926	Algeria.....	18,763	14,493	21,315
El Salvador.....	34,708	41,742	35,598	Cameroon.....	0	1,501	0
Guatemala.....	24,277	29,715	32,149	Ghana.....	0	0	0
Haiti.....	15,923	15,562	17,722	Kenya.....	1,012	999	500
Honduras.....	6,687	12,146	7,546	Madagascar.....	0	0	0
Jamaica.....	9,247	10,293	7,685	Morocco.....	8,577	6,861	5,757
Mexico.....	108,435	96,874	146,824	Nigeria.....	37,178	17,439	25,162
Nicaragua.....	3,785	0	0	Senegal.....	689	11,840	3,573
Trinidad and Tobago.....	3,024	2,631	3,427	Egypt.....	209,801	142,786	185,666
Other countries.....	10,436	6,068	8,764	South Africa.....	15,628	12,223	225
<b>Total</b> .....	<b>237,611</b>	<b>240,107</b>	<b>292,175</b>	Ivory Coast.....	0	0	0
				Other countries.....	15,283	15,382	19,388
<b>South America:</b>				<b>Total</b> .....	<b>306,931</b>	<b>223,524</b>	<b>211,586</b>
Argentina.....	333	780	707	<b>Asia:</b>			
Brazil.....	4,289	62,601	805	Bangladesh.....	0	0	0
Chile.....	3,062	1,981	1,958	Iran.....	0	0	0
Colombia.....	53,729	52,426	61,646	China.....	0	9,528	1,367
Ecuador.....	3,315	6,149	10,075	Taiwan.....	30,402	21,311	10,412
Peru.....	2,271	4,557	1,149	India.....	64	375	3,683
Venezuela.....	28,022	36,421	41,961	Japan.....	38,800	38,295	32,225
Other countries.....	506	546	1,383	Korea, Rep. of.....	82,755	71,429	86,292
<b>Total</b> .....	<b>95,527</b>	<b>165,461</b>	<b>119,684</b>	Lebanon.....	4,827	3,876	3,367
				Pakistan.....	90,373	69,335	59,975
<b>Europe:</b>				Philippines.....	5,877	4,568	3,675
Belgium and Luxembourg.....	9,800	11,108	4,452	Singapore.....	43	45	97
France.....	4,155	1,034	7	Turkey (Europe and Asia).....	29,805	30,086	48,011
Germany, Fed. Rep. of.....	27,053	9,859	12,635	Thailand.....	0	31	43
Italy.....	8,675	9,835	2,526	Other countries.....	9,204	2,128	27,093
Netherlands.....	101,028	73,234	65,520	<b>Total</b> .....	<b>292,171</b>	<b>251,007</b>	<b>276,240</b>
United Kingdom.....	25,038	8,693	1,607	<b>Oceania</b> .....	<b>51</b>	<b>47</b>	<b>352</b>
Greece.....	73	122	45	<b>Grand total <sup>3</sup></b> .....	<b>1,254,889</b>	<b>1,169,294</b>	<b>1,125,332</b>
Norway.....	10,944	9,247	6,907				
Portugal.....	54,517	113,362	76,640				
Switzerland.....	385	7	1				
Poland.....	148	30	0				
Other countries.....	7	2,103	64				
<b>Total</b> .....	<b>242,492</b>	<b>239,166</b>	<b>170,417</b>				

<sup>1</sup> Includes inedible tallow and choice white grease; yellow grease; inedible oleo, and oleo stearin; and animal fats, oils, and greases, n.e.c.

<sup>2</sup> Preliminary.

<sup>3</sup> May not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the Bureau of the Census, U.S. Department of Commerce.

**Table 194.—Fats and Oils: Use in products for civilian consumption, total and per capita, United States, 1973-87**

Calendar year	Food products <sup>1</sup>													
	Butter (actual weight)		Lard (direct use) <sup>2</sup>		Margarine (actual weight)		Baking and frying fats (shortening)		Salad and cooking oils		Other edible use		All food products (fat content)	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1973	999	4.7	705	3.3	2,354	11.1	3,613	17.1	3,747	17.7	546	2.6	11,293	53.4
1974	956	4.5	681	3.2	2,380	11.2	3,623	17.0	3,861	18.1	372	1.7	11,206	52.5
1975	1,012	4.7	615	2.9	2,398	11.1	3,679	17.1	3,840	17.8	428	2.0	11,290	52.4
1976	934	4.3	568	2.6	2,615	12.0	3,875	17.8	4,243	19.5	445	2.0	11,970	55.0
1977	941	4.3	495	2.3	2,515	11.4	3,810	17.3	4,207	19.1	422	1.9	11,698	53.2
1978	966	4.3	478	2.2	2,513	11.3	3,987	18.0	4,464	20.1	453	2.0	12,165	54.8
1979	1,005	4.5	656	2.9	2,535	11.3	4,156	18.5	4,690	20.9	377	1.7	12,711	56.6
1980	1,012	4.5	830	3.7	2,592	11.4	4,150	18.3	4,837	21.3	343	1.5	13,043	57.4
1981	970	4.2	798	3.5	2,573	11.2	4,262	18.6	5,008	21.8	320	1.4	13,222	57.6
1982	991	4.3	889	3.8	2,582	11.1	4,332	18.7	5,080	21.9	374	1.6	13,533	58.3
1983	1,134	4.9	967	4.1	2,446	10.4	4,345	18.5	5,624	24.0	365	1.6	14,165	60.5
1984	1,146	4.8	896	3.7	2,472	10.5	5,040	21.3	4,693	19.8	404	1.7	13,917	58.9
1985	1,157	4.8	883	3.7	2,588	10.8	5,477	22.9	5,614	23.5	375	1.6	15,345	64.3
1986	1,107	4.6	846	3.5	2,761	11.5	5,337	22.1	5,831	24.2	404	1.7	15,512	64.3
1987 <sup>3</sup>	1,137	4.7	679	2.8	2,564	10.5	5,204	21.4	6,016	24.7	315	1.3	15,175	62.3

  

Calendar year	Industrial products											
	Soap		Fatty acids		Animal feeds		Other industrial products		All industrial products <sup>4</sup>		All products <sup>5</sup>	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1973	846	4.0	2,130	10.1	1,077	5.1	707	3.3	5,492	26.0	16,785	79.4
1974	793	3.7	2,109	9.9	1,149	5.4	757	3.5	5,452	25.6	16,658	78.1
1975	822	3.8	1,662	7.7	1,283	6.0	591	2.7	4,914	22.8	16,204	75.2
1976	957	4.4	1,907	8.8	1,464	6.7	640	2.9	5,700	26.2	17,670	81.2
1977	936	4.3	1,907	8.7	1,492	6.8	695	3.2	5,708	26.0	17,406	79.2
1978	862	3.9	2,109	9.5	1,518	6.8	728	3.3	5,903	26.6	18,068	81.4
1979	862	3.8	2,320	10.3	1,316	5.9	723	3.2	5,758	25.6	18,469	82.2
1980	848	3.7	2,154	9.5	1,337	5.9	678	3.0	5,505	24.2	18,548	81.6
1981	798	3.5	2,173	9.5	1,391	6.1	720	3.1	5,468	23.8	18,690	81.4
1982	748	3.2	1,936	8.3	1,474	6.4	610	2.6	5,129	22.1	18,662	80.4
1983	811	3.5	1,862	7.9	1,478	6.3	611	2.6	5,181	22.1	19,346	82.6
1984	1,015	4.3	2,028	8.6	1,443	6.1	635	2.7	5,570	23.6	19,487	82.4
1985	754	3.2	1,911	8.0	1,495	6.3	453	1.9	5,100	21.4	20,445	85.6
1986	764	3.2	2,007	8.3	1,750	7.3	342	1.4	5,392	22.4	20,904	86.7
1987 <sup>3</sup>	918	3.8	2,195	9.0	1,874	7.7	597	2.5	6,154	25.3	21,329	87.6

<sup>1</sup> Domestic disappearance data are computed by ERS.

<sup>2</sup> Includes edible tallow direct use beginning in 1979.

<sup>3</sup> Preliminary.

<sup>4</sup> Including paint, varnish, resin, plastic, and lubricants.

<sup>5</sup> Including only fat content of butter and margarine.

Economic Research Service.



**Table 195.—Fats and oils: Index numbers of wholesale prices, leading markets, United States, 1973-87**

[1967=100]

Year	Sixteen items, excluding butter	Seventeen major fats and oils											
		All items	Classified by origin			Classified by use							
			Animal	Vegetable		Edible				Industrial			
				Domestic origin	Foreign origin	Butter	Lard	Other	All edible	Soap fats	Drying oils	Other uses	All industrial
1973.....	208.2	168.9	167.8	171.4	188.8	97.1	253.3	178.8	150.3	229.4	168.2	207.5	220.1
1974.....	322.8	238.5	203.2	294.6	386.8	99.6	365.7	295.0	204.2	340.5	322.2	322.9	333.5
1975.....	262.3	207.8	200.2	219.5	166.7	118.0	368.3	215.0	189.2	257.2	270.4	217.0	258.8
1976.....	261.1	226.7	191.7	161.6	169.8	138.6	228.2	166.3	161.8	254.9	186.5	188.9	244.8
1977.....	306.6	263.7	219.4	191.1	228.1	147.4	271.7	202.5	191.0	283.4	194.8	244.1	268.2
1978.....	337.0	290.5	245.9	208.0	267.5	165.5	296.5	219.7	209.9	323.3	176.8	291.1	298.0
1979.....	372.3	327.6	282.0	223.9	372.5	190.7	327.0	231.4	255.3	390.9	219.8	291.5	361.3
1980.....	292.9	263.1	225.5	165.4	269.5	209.6	265.2	182.3	187.4	306.8	200.3	( <sup>1</sup> )	287.1
1981.....	314.3	282.7	257.6	144.8	226.2	222.1	287.3	153.1	205.3	311.9	187.8	( <sup>1</sup> )	291.2
1982 <sup>2</sup> .....	100.0	100.0	100.0	100.0	( <sup>1</sup> )	100.0	100.0	( <sup>1</sup> )	100.0	100.0	100.0	( <sup>1</sup> )	100.0
1983 <sup>2</sup> .....	105.4	104.5	104.7	114.9	( <sup>1</sup> )	99.9	113.3	( <sup>1</sup> )	111.0	108.4	103.5	( <sup>1</sup> )	101.7
1984 <sup>2</sup> .....	115.8	80.2	109.8	100.5	( <sup>1</sup> )	100.8	124.9	( <sup>1</sup> )	109.8	122.9	120.6	( <sup>1</sup> )	128.8
1985 <sup>2</sup> .....	84.2	73.1	83.7	131.3	( <sup>1</sup> )	95.7	106.7	( <sup>1</sup> )	78.8	104.4	111.9	( <sup>1</sup> )	104.7
1986 <sup>2</sup> .....	70.7	61.7	70.9	86.2	( <sup>1</sup> )	98.3	90.2	( <sup>1</sup> )	66.5	86.4	86.1	( <sup>1</sup> )	86.6
1987 <sup>2</sup> .....	69.1	60.2	69.2	87.8	( <sup>1</sup> )	95.4	88.9	( <sup>1</sup> )	64.0	94.2	84.0	( <sup>1</sup> )	90.2

<sup>1</sup> Series discontinued.

<sup>2</sup> Beginning 1982, index base changed to (1982=100).

Economic Research Service.

**Table 196.—Fats and oils: Wholesale price per pound, 1983-87**

Item and market	1983	1984	1985	1986	1987 <sup>1</sup>
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Castor oil, No. 1, Brazilian, tanks, imported, New York.....	59.3	72.7	46.7	33.1	39.2
Coconut oil, crude, tanks, f.o.b. New York.....	34.8	60.2	33.1	16.2	23.3
Corn oil, crude, tank cars, f.o.b. Decatur.....	24.7	29.8	26.3	18.5	21.5
Cottonseed oil, crude, tank cars, f.o.b. Valley <sup>2</sup> .....	21.8	32.8	29.2	17.6	17.7
Linseed oil, raw, tank cars, Minneapolis.....	26.7	32.1	32.5	28.4	24.8
Margarine, yellow quarters, f.o.b. Chicago.....	39.5	45.6	47.3	35.4	36.9
Palm oil, U.S. ports, refined.....	24.6	33.3	27.2	14.4	17.3
Rapeseed oil, refined (denatured), tanks, New York.....	55.3	55.3	61.0	60.2	64.2
Safflower oil, tanks, New York.....	72.5	70.1	51.7	49.3	52.1
Soybean oil, crude, tank cars, f.o.b. Decatur <sup>2</sup> .....	20.6	30.6	29.5	18.0	15.4
Sunflower oil, crude, Minneapolis <sup>2</sup> .....	24.5	33.6	30.0	19.1	16.0
Tallow, inedible, number delivered Chicago.....	13.5	14.5	14.3	9.0	14.9
Tung oil, imported, drums, f.o.b. New York.....	98.4	119.0	63.7	39.4	53.4

<sup>1</sup> Preliminary.

<sup>2</sup> Soybean, cottonseed, and sunflower seed oil prices on October 1985-September 1986 crop year.

Economic Research Service. Compiled from the Chemical Marketing Reporter, the National Provisioner, the Wall Street Journal, and the U.S. Department of Labor.

## CHAPTER IV

# STATISTICS OF VEGETABLES AND MELONS

This chapter contains statistics on potatoes, sweet potatoes, and commercial vegetables and melons.

For potatoes and sweet potatoes, the estimates of area, production, value, and farm disposition pertain to the total crop and include quantities produced both for sale and for use on farms where grown. Potato statistics are shown on a within-year seasonal grouping of winter, spring, summer, and fall crops, by States. Some States have production in more than one seasonal group.

For processing vegetables, the estimates of area, production, and value for each of 5 crops relate to production used by commercial canners, freezers, and other processors, except dehydrators. These estimates include raw products grown by processors themselves and those grown under contract or purchased on the open market. This production and the actual area harvested are not duplicated in the fresh market estimates for the same commodities. The production of those vegetables used for processing for which regular processing estimates are not made is included in the fresh market estimates. However, with the vegetable program modifications implemented in 1973, the processed segment of production for asparagus, broccoli, carrots, and cauliflower, which was combined with fresh market production during the year, is published at the end of the season. Annual production, price, and value estimates for the portion processed are published beginning with 1973. In 1982, processing estimates for asparagus, beets, cabbage for kraut, cucumbers for pickles, lima beans and spinach were discontinued. Asparagus and cucumbers for pickles were reinstated in 1984.

### Seasonal Groups and Marketing Period

#### Prospective Area For Harvest

Winter: January, February, March

Summer: July, August, September

Spring: April, May, June

Fall: October, November, December

#### Annual Acreage, Yield, Production, and Value

The seasonal patterns of harvest do not correspond precisely in all States to the estimating period or periods designated. In some cases, only one seasonal group is shown for a State, but marketing may be active in earlier or later months. Because of the small volume from this earlier or later area, the crop estimate has been placed in the seasonal group where the largest portion is harvested.

Commercial vegetables for fresh market include 10 principal vegetables and melon crops in the major producing States. Earlier years include the following additional crops: artichokes, lima beans, snap beans, Brussels sprouts, cabbage, cantaloups, cucumbers, eggplant, escarole/endive, garlic, green peas, green peppers, spinach, and watermelon. These estimates relate to crops which are grown primarily for sale, and they do not include vegetables and melons produced in farm and nonfarm gardens. The bulk of the production of the principal vegetable and melon crops is for consumption in the fresh state. However, quantities used by processors of celery and onions are included, and separate estimates of commercial processing are not made for these crops. The commercial estimates of the principal crops include local market production from areas near consuming centers as well as production from well recognized commercial areas which specialize in producing supplies for shipment to distant markets.

For fresh market vegetables and melons, value per unit and total value are on a f.o.b. basis. For processed vegetables, value per unit and total value are at processing plant door.

**Table 197.—Vegetables, commercial: Area, production, and value of principal crops, United States, 1973-87**

Year	Area <sup>1</sup>			Production <sup>4</sup>			Value <sup>5</sup>		
	For fresh market <sup>2</sup>	For processing <sup>3</sup>	Total	For fresh market <sup>2</sup>	For processing <sup>3</sup>	Total	For fresh market <sup>2</sup>	For processing <sup>3</sup>	Total
	Acres	Acres	Acres	Tons	Tons	Tons	1,000 dollars	1,000 dollars	1,000 dollars
1973.....	1,636,610	1,727,010	3,363,620	11,907,200	10,661,650	22,568,850	1,857,859	550,632	2,408,491
1974.....	1,557,570	1,775,810	3,333,380	12,016,750	11,794,050	23,810,800	1,885,149	929,785	2,814,934
1975.....	1,542,110	1,874,480	3,416,590	11,993,700	13,533,250	25,526,950	2,159,168	1,036,635	3,195,803
1976.....	1,577,350	1,624,640	3,201,990	12,509,950	11,048,850	23,558,800	2,260,078	786,606	3,046,684
1977.....	1,578,830	1,638,120	3,216,950	12,741,050	12,612,450	25,353,500	2,351,737	945,180	3,296,917
1978.....	1,643,650	1,611,960	3,255,610	13,140,000	11,323,490	24,463,490	2,786,530	874,768	3,661,298
1979.....	1,645,520	1,652,480	3,298,000	13,480,750	12,576,010	26,056,760	2,931,404	1,030,239	4,011,643
1980.....	1,617,770	1,427,130	3,044,900	13,339,650	10,806,620	24,146,270	3,193,362	864,449	4,057,811
1981.....	1,617,950	1,353,540	2,971,490	13,858,450	10,416,530	24,274,980	3,700,690	904,896	4,605,586
1982 <sup>6</sup> .....	939,350	1,250,440	2,189,790	10,360,200	11,179,590	21,539,790	2,643,408	909,738	3,553,146
1983 <sup>7</sup> .....	937,850	1,197,350	2,135,200	9,895,950	10,270,050	20,166,000	2,854,598	800,600	3,655,198
1984 <sup>8</sup> .....	1,076,330	1,369,760	2,446,090	10,856,600	12,013,020	22,869,620	3,117,073	1,015,042	4,132,115
1985.....	1,075,440	1,391,780	2,467,220	10,896,600	11,791,860	22,688,460	2,944,906	1,023,933	3,968,839
1986.....	1,074,330	1,238,930	2,313,260	10,813,350	11,616,560	22,429,910	3,215,017	927,802	4,142,819
1987 <sup>9</sup> .....	1,106,040	1,307,760	2,413,800	10,979,900	12,214,490	23,194,390	3,430,803	939,693	4,370,496

<sup>1</sup> Area for fresh market is area for harvest, including any partially harvested or not harvested because of low prices or other economic factors. Area for processing is area harvested.

<sup>2</sup> Area, production, and farm value of the following 22 crops for which regular seasonal estimates are prepared in major producing States: Artichokes, asparagus, snap beans, broccoli, Brussels sprouts, cabbage, cantaloups, carrots, cauliflower, celery, sweet corn, cucumbers, eggplant, escarole/endive, garlic, honeydew melons, lettuce, onions, green peppers, spinach, tomatoes, and watermelons.

<sup>3</sup> Area, production, and farm value of the following 9 crops in all States: Lima beans, snap beans, beets, cabbage (sauerkraut), sweet corn, cucumbers (pickles), green peas, spinach, and tomatoes. Production of other vegetables processed included in fresh market series of estimates.

<sup>4</sup> Production for fresh market excludes some quantities not marketed because of low prices or other economic factors.

<sup>5</sup> Value for all fresh market vegetables, except garlic, on f.o.b. basis. For processing vegetables, value at processing plant door.

<sup>6</sup> Beginning with crop year 1982, acreage, yield, production, price and value estimates have been discontinued for the following crops—fresh market vegetables: Artichokes, asparagus, snap beans, Brussels sprouts, cabbage, cantaloups, cucumbers, eggplant, escarole/endive, garlic, green peppers, spinach, and watermelons; processing vegetables: Lima beans, beets, cabbage (sauerkraut), cucumbers (pickles), spinach, and asparagus. Estimates for these crops are not in *Agricultural Statistics*.

<sup>7</sup> Due to program modification, 1983 data are not comparable with 1982 and earlier or 1984 and later for fresh market vegetables.

<sup>8</sup> Estimates for asparagus and cucumbers for pickles reinstated with the 1984 crop.

<sup>9</sup> Preliminary.

National Agricultural Statistics Service.

Table 198.—Vegetables, commercial: Area of principal crops, by States, 1985-87 <sup>1</sup>

State	For fresh market <sup>2</sup>			For processing <sup>4</sup>			Total		
	1985	1986	1987 <sup>3</sup>	1985	1986	1987 <sup>3</sup>	1985	1986	1987 <sup>3</sup>
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
AL.....	7,850	7,800	9,000	1,220	2,470	3,230	9,070	10,270	12,230
AZ.....	57,900	53,800	58,200				57,900	53,800	58,200
AR.....	1,700	1,600	1,000	3,400	2,850	3,920	5,100	4,450	4,920
CA.....	479,700	501,400	514,600	233,400	222,400	227,000	713,100	723,800	741,600
CO.....	20,400	17,900	20,300	3,460	2,150	1,890	23,860	20,050	22,190
CT.....	4,900	4,600	4,400				4,900	4,600	4,400
DE.....				22,800	19,780	20,900	22,800	19,780	20,900
FL.....	181,500	134,600	141,300	7,300	5,870	5,150	188,800	140,470	146,450
GA.....	3,100	2,700	2,900	3,000	2,450	2,800	6,100	5,150	5,700
HI.....	950	860	770				950	860	770
ID.....	6,800	7,000	7,700	28,440	26,630	27,230	35,240	33,630	34,930
IL.....	5,200	5,100	5,000	57,200	44,200	45,680	62,400	49,300	50,680
IN.....	2,600	2,500	2,200	12,600	10,400	15,800	15,200	12,900	18,000
IA.....				5,300	4,100	4,290	5,300	4,100	4,290
LA.....	360	380	370				360	380	370
ME.....									
MD.....	2,650	2,580	2,740	19,400	16,300	13,700	22,050	18,580	16,440
MA.....	8,570	8,990	7,680	550	480	400	9,120	9,470	8,080
MI.....	54,500	49,100	56,200	53,300	50,300	51,000	107,800	99,400	107,200
MN.....	4,170	3,850	4,350	206,100	202,000	194,430	210,270	205,850	198,730
MO.....									
NJ.....	25,100	23,800	22,720	15,760	10,650	12,680	40,860	34,450	35,400
NM.....	7,700	7,600	8,300				7,700	7,600	8,300
NY.....	54,010	47,770	49,090	76,880	62,530	68,100	130,890	110,300	117,190
NC.....	6,800	6,100	6,000	31,080	25,740	25,290	37,880	31,840	31,290
OH.....	20,940	20,860	22,320	20,960	19,560	20,770	41,900	40,420	43,090
OK.....									
OR.....	23,700	23,000	23,900	99,300	88,300	94,400	123,000	111,300	118,300
PA.....	19,600	20,800		18,800	12,800	14,200	33,100	33,600	33,000
SC.....	4,200	4,000	3,600	13,830	13,630	13,590	18,030	17,630	17,190
TN.....	4,500	5,000	4,600	5,000	5,300	5,400	9,500	10,300	10,000
TX.....	59,500	52,800	48,000	10,600	10,600	13,400	70,100	63,400	61,400
UT.....	1,600	1,400	1,700	2,400	1,230	2,330	4,000	2,630	4,030
VA.....	5,400	5,300	5,200	2,700	910	3,320	8,100	6,210	8,520
WA.....	44,200	45,900	48,400	103,600	85,800	88,900	147,800	131,700	137,300
WV.....									
WI.....	5,340	5,240	4,700	322,000	278,100	316,900	327,340	283,340	321,600
Other States <sup>5</sup> .....				16,700	11,400	11,060	16,700	11,400	11,060
US.....	1,075,440	1,074,330	1,106,040	1,391,780	1,238,930	1,307,760	2,467,220	2,313,260	2,413,800

<sup>1</sup> Area for fresh market is area for harvest. Area for processing is area harvested.

<sup>2</sup> Area of the following crops for which regular seasonal estimates are prepared in major producing States: Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, honeydew melons, lettuce, onions, and tomatoes.

<sup>3</sup> Preliminary.

<sup>4</sup> Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates.

<sup>5</sup> 1985—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, South Dakota, and West Virginia. 1986—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, and South Dakota. 1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma.

National Agricultural Statistics Service.

Table 199.—Vegetables, commercial: Production of principal crops, by States, 1985-87

State	For fresh market <sup>1</sup>			For processing <sup>3</sup>			Total		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
AL.....	27,250	29,000	38,150	3,180	3,960	5,240	30,430	32,960	43,390
AZ.....	717,650	648,800	769,100				717,650	648,800	769,100
AR.....	17,000	20,000	14,500	7,530	4,310	8,560	24,530	24,310	23,060
CA.....	5,398,200	5,543,800	5,425,700	6,209,440	6,564,120	6,784,170	11,607,640	12,107,920	12,209,870
CO.....	352,400	308,600	320,250	36,360	25,390	20,100	388,760	333,990	340,350
CT.....	15,700	17,950	15,600				15,700	17,950	15,600
DE.....				77,350	58,930	58,790	77,350	58,930	58,790
FL.....	1,278,400	1,348,350	1,400,450	41,400	39,140	35,780	1,319,800	1,387,490	1,436,230
GA.....	13,950	13,500	15,950	10,200	6,900	7,570	24,150	20,400	23,520
HI.....	8,600	7,700	7,000				8,600	7,700	7,000
ID.....	187,000	185,500	231,000	165,100	174,140	185,540	352,100	359,640	416,540
IL.....	16,300	16,650	17,700	299,900	218,590	228,020	316,200	235,240	245,720
IN.....	7,900	8,750	10,100	169,160	159,440	198,420	177,060	168,190	208,520
IA.....				38,780	37,590	45,400	38,780	37,590	45,400
LA.....	1,550	1,900	2,200				1,550	1,900	2,200
ME.....									
MD.....	20,100	24,150	19,600	135,450	94,070	75,260	155,550	118,220	94,860
MA.....	45,350	45,850	38,200	7,300	8,500	6,250	52,650	54,350	44,450
MI.....	361,950	256,500	323,300	359,880	326,320	334,890	721,830	582,820	658,190
MN.....	33,200	35,200	37,650	836,700	851,570	857,580	869,900	886,770	895,230
MO.....									
NJ.....	143,250	124,150	115,150	131,190	76,290	80,940	274,440	200,440	196,090
NM.....	105,950	126,750	144,450				105,950	105,950	126,750
NY.....	412,400	361,300	358,600	266,860	233,060	312,180	679,260	594,360	670,780
NC.....	29,750	24,950	26,650	104,840	82,000	85,210	134,590	106,950	111,860
OH.....	141,950	144,300	127,900	466,260	442,680	415,310	608,210	586,980	543,210
OK.....									
OR.....	423,750	376,050	427,150	548,260	517,960	528,390	972,010	894,010	955,540
PA.....	90,950	70,300	71,050	90,150	73,650	57,400	181,100	143,950	128,450
SC.....	57,750	60,000	44,100	49,620	47,600	40,650	107,370	107,600	84,750
TN.....	63,000	52,500	41,400	11,250	7,580	10,800	74,250	60,080	52,200
TX.....	444,500	494,000	384,650	60,830	59,940	65,450	505,330	553,940	450,100
UT.....	36,000	23,450	41,250	10,390	3,330	9,210	46,390	26,780	50,460
VA.....	43,350	37,300	40,300	28,740	5,320	9,150	72,090	42,620	49,450
WA.....	289,950	303,200	366,500	446,610	397,060	509,710	736,560	700,260	876,210
WV.....									
WI.....	111,550	102,900	104,300	1,140,510	1,071,760	1,209,860	1,252,060	1,174,660	1,314,160
Other States <sup>4</sup>				38,620	25,360	28,660	38,620	25,360	28,660
US.....	10,896,600	10,813,350	10,979,900	11,791,860	11,616,560	12,214,490	22,688,460	22,429,910	23,194,390

<sup>1</sup> Production of the following crops for which regular seasonal estimates are prepared in major producing States: Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, honeydew melons, lettuce, onions, and tomatoes.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates.

<sup>4</sup> 1985—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, South Dakota, and West Virginia. 1986—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, and South Dakota. 1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma.

National Agricultural Statistics Service.

Table 200.—Vegetables, commercial: Value of principal crops, by States, 1985-87

State	For fresh market <sup>1</sup>			For processing <sup>3</sup>			Total		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	11,290	7,970	11,125	698	815	1,103	11,988	8,785	12,228
AZ.....	147,239	166,842	207,985				147,239	166,842	207,985
AR.....	7,990	8,960	9,193	1,301	784	1,396	9,291	9,744	10,589
CA.....	1,462,635	1,573,865	1,665,808	413,540	420,408	400,084	1,876,175	1,994,273	2,065,892
CO.....	47,830	65,452	66,431	3,765	2,755	2,753	51,595	68,207	69,184
CT.....	4,490	6,283	4,711				4,490	6,283	4,711
DE.....				11,369	7,691	7,008	11,369	7,691	7,008
FL.....	562,540	604,042	653,485	8,310	7,923	8,404	570,850	611,965	661,889
GA.....	5,050	5,319	8,039	1,939	1,253	1,374	6,989	6,572	9,413
HI.....	5,477	5,113	4,900				5,477	5,113	4,900
ID.....	16,690	37,934	37,638	12,830	12,993	12,866	29,520	50,867	50,504
IL.....	4,227	3,943	4,366	27,076	16,861	18,987	31,303	20,804	23,353
IN.....	4,258	4,391	5,175	14,675	13,655	17,611	18,933	18,046	22,786
IA.....				2,889	2,598	2,913	2,889	2,598	2,913
LA.....	1,132	1,368	1,967				1,132	1,368	1,967
ME.....									
MD.....	7,690	7,920	7,160	13,591	9,264	8,210	21,281	17,184	15,370
MA.....	13,938	20,510	18,221	956	1,054	750	14,894	21,364	18,971
MI.....	81,429	72,169	79,178	43,547	37,722	38,359	124,976	109,891	117,537
MN.....	4,772	6,842	6,452	76,063	64,718	66,750	80,835	71,560	73,202
MO.....									
NJ.....	39,590	38,734	35,353	15,204	8,491	8,929	54,794	47,225	44,282
NM.....	24,679	27,399	39,518				24,679	27,399	39,518
NY.....	96,449	105,508	110,817	35,279	24,450	29,291	131,728	129,958	140,108
NC.....	7,636	6,904	6,901	20,571	15,953	16,703	28,207	22,857	23,604
OH.....	36,450	44,158	35,056	43,279	39,665	34,779	79,729	83,823	69,835
OK.....									
OR.....	51,371	85,713	84,691	59,593	55,904	55,397	110,964	141,617	140,088
PA.....	25,013	22,589	21,541	9,462	6,411	6,261	34,475	29,000	27,802
SC.....	13,480	19,800	17,816	9,407	8,322	7,668	27,337	23,622	25,484
TN.....	23,940	21,000	19,044	2,284	1,508	2,106	26,224	22,508	21,150
TX.....	127,797	121,513	143,462	11,708	10,526	13,364	139,505	132,039	156,826
UT.....	2,826	4,325	5,372	1,559	496	496	4,385	4,821	7,157
VA.....	15,372	18,934	17,235	2,685	514	1,173	18,057	19,448	18,408
WA.....	74,749	84,089	88,069	49,949	44,138	52,745	124,698	128,227	140,814
WV.....									
Other States <sup>4</sup> .....	11,877	15,128	13,594	122,258	105,624	116,578	134,135	120,752	130,172
US.....	2,944,906	3,215,017	3,430,803	1,023,933	927,802	939,693	3,968,839	4,142,819	4,370,496

<sup>1</sup> Value of the following crops for which regular seasonal estimates are prepared in major producing States: Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, honeydew melons, lettuce, onions, and tomatoes.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates.

<sup>4</sup> 1985—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, South Dakota, and West Virginia. 1986—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, Oklahoma, and South Dakota. 1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma.

National Agricultural Statistics Service.

**Table 201.—Asparagus, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1973-87**

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production	Value <sup>1</sup>		Production	Value <sup>1</sup>		Production	Value <sup>2</sup>	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	175,380	22	2,545	26.10	66,411	860	31.10	26,765	84,250	471.00	39,646
1974.....	112,490	23	2,604	28.50	74,277	824	33.40	27,489	89,000	526.00	46,788
1975.....	102,570	21	2,141	28.70	61,436	874	34.00	29,695	63,350	501.00	31,741
1976.....	92,580	25	2,302	31.30	72,122	919	38.10	35,025	69,150	536.00	37,097
1977.....	87,520	25	2,200	36.90	81,218	733	47.00	34,427	73,350	638.00	46,791
1978.....	83,830	22	1,861	43.70	81,256	701	52.20	36,559	58,000	771.00	44,697
1979.....	80,660	24	1,911	51.50	98,366	640	64.40	41,214	63,500	900.00	57,152
1980.....	82,950	20	1,671	49.10	82,118	784	58.10	45,535	44,410	824.00	36,583
1981.....	81,990	21	1,712	58.50	100,157	819	70.50	57,749	44,640	950.00	42,408
1982 <sup>3</sup>											
1983 <sup>3</sup>											
1984 <sup>4</sup>	89,930	21	1,896	61.40	116,463	1,043	73.70	76,900	42,690	927.00	39,563
1985.....	91,450	23	2,136	64.40	137,476	1,152	79.30	91,343	49,210	938.00	46,133
1986.....	96,180	23	2,230	61.40	136,969	1,387	70.60	97,941	42,080	928.00	39,028
1987 <sup>5</sup>	99,840	24	2,347	57.80	135,704	1,388	65.60	91,102	47,880	932.00	44,602

<sup>1</sup> Price and value on F.O.B. Basis. <sup>2</sup> Price and value at processing plant door. <sup>3</sup> Data not available.  
<sup>4</sup> Estimates reinstated with 1984 crop. <sup>5</sup> Preliminary.  
 National Agricultural Statistics Service.

**Table 202.—Asparagus, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1985-87**

State	Area <sup>1</sup>			Production			Value per unit		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
CA.....	35,200	37,800	39,700	986	1,096	1,191	74,666	75,513	74,746
IL.....	1,300	1,300	700	14	10	10	1,013	681	720
MI.....	19,200	20,500	22,000	230	246	242	13,423	14,311	14,170
NJ.....	1,900	1,900	1,800	36	36	32	2,473	2,326	2,090
WA.....	29,000	30,000	31,000	812	780	806	42,443	40,612	40,257
Other States <sup>3</sup>	4,850	4,680	4,640	58	62	66	3,458	3,526	3,721
US.....	91,450	96,180	99,840	2,136	2,230	2,347	137,476	136,969	135,704

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
CA.....	818	990	1,055	83.30	72.10	66.10	8,400	5,300	6,780	777.00	780.00	739.00
MI.....	36	48	40	71.00	67.60	66.40	9,720	9,880	10,100	1,118.00	1,120.00	1,140.00
NJ.....	36	36	32	68.70	64.60	65.30						
WA.....	242	290	237	68.80	67.30	63.30	28,500	24,500	28,440	905.00	861.00	888.00
Other States <sup>4</sup>	20	23	24	76.30	64.10	67.40	2,590	2,400	2,560	1,138.00	1,139.00	1,103.00
US.....	1,152	1,387	1,388	79.30	70.60	65.60	49,210	42,080	47,880	938.00	928.00	932.00

<sup>1</sup> Asparagus for fresh market and for processing is frequently harvested from the same area; therefore it is not practical to make individual area estimates for these segments. <sup>2</sup> Preliminary. <sup>3</sup> Indiana, Maryland, Minnesota and Oregon. <sup>4</sup> Illinois, Indiana, Maryland, Minnesota, and Oregon.  
 National Agricultural Statistics Service.

**Table 203.—Beans, snap (for processing), commercial crop: Area, yield, production, value per ton, and total value, United States, 1973-87**

Year	Area harvested	Yield per acre	Production	Value <sup>1</sup>		Year	Area harvested	Yield per acre	Production	Value <sup>1</sup>	
				Per ton	Total					Per ton	Total
	Acres	Tons	Tons	Dollars	1,000 dollars		Acres	Tons	Tons	Dollars	1,000 dollars
1973	292,180	2.54	741,650	103.00	76,241	1981	218,300	3.08	672,170	166.00	111,394
1974	291,080	2.57	748,350	157.00	117,654	1982	204,410	3.15	643,860	166.00	106,610
1975	273,580	2.43	665,200	153.00	102,096	1983	196,730	2.99	587,410	160.00	94,252
1976	237,170	2.49	590,700	139.00	81,895	1984	216,640	3.07	666,110	171.00	113,935
1977	257,640	2.62	675,450	145.00	98,170	1985	222,160	3.16	702,490	169.00	118,739
1978	280,350	2.56	716,600	146.00	104,630	1986	190,560	3.20	609,400	160.00	97,262
1979	285,420	2.69	769,130	153.00	117,869	1987 <sup>2</sup>	220,310	3.07	676,300	160.00	108,194
1980	255,690	2.75	704,230	156.00	110,034						

<sup>1</sup> Price and value at processing plant door.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 204.—Beans, snap (for processing), commercial crop: Area, production, and value per ton, by States, 1985-87**

State	Area			Production			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Acres	Acres	Acres	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
AR	3,300	2,600	3,000	7,190	3,900	6,630	174.00	184.00	164.00
FL	1,200			1,800			300.00		
IN	3,200	1,600	5,800	8,160	4,290	15,890	175.00	169.00	190.00
MI	18,700	17,600	19,500	48,620	42,240	42,900	158.00	143.00	149.00
MN			5,200			17,420			146.00
NJ	8,300			25,980			206.00		
NY	33,400	25,800	28,600	91,180	60,370	70,640	184.00	170.00	165.00
NC	1,700			2,810			234.00		
OR	23,200	22,300	20,300	124,820	138,710	117,940	174.00	174.00	178.00
PA	4,500	4,500	6,600	15,440	8,960	13,200	207.00	186.00	195.00
TN	5,000	5,300	5,400	11,250	7,580	10,800	203.00	199.00	195.00
WA	1,500	1,200	1,100	4,650	4,900	4,960	167.00	202.00	198.00
WI	85,800	77,800	88,700	248,820	247,400	279,410	152.00	143.00	143.00
Other States <sup>2</sup>	32,360	31,860	36,110	111,770	91,050	96,510	164.00	174.00	175.00
Total	222,160	190,560	220,310	702,490	609,400	676,300	169.00	160.00	160.00

<sup>1</sup> Preliminary.

<sup>2</sup> 1985—Alabama, California, Delaware, Georgia, Idaho, Illinois, Maryland, Minnesota, Missouri, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia. 1986—Alabama, California, Delaware, Florida, Georgia, Idaho, Illinois, Maryland, Minnesota, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia. 1987—Alabama, California, Delaware, Florida, Georgia, Idaho, Illinois, Maryland, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia.

National Agricultural Statistics Service.



**Table 205.—Broccoli, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1973-87 <sup>1</sup>**

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production <sup>2</sup>	Value <sup>3</sup>		Production	Value <sup>3</sup>		Production	Value <sup>4</sup>	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars	1,000 cwt.	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars
1973.....	53,940	65	3,502	12.10	42,476	1,497	15.70	23,517	100,250	189.00	18,959
1974.....	49,400	80	3,933	14.20	55,912	1,590	17.10	27,264	117,150	245.00	28,648
1975.....	49,650	79	3,940	15.10	59,444	2,035	17.40	35,376	95,250	253.00	24,068
1976.....	52,800	81	4,289	15.90	68,204	2,234	19.00	42,495	102,750	250.00	25,709
1977.....	70,890	80	5,694	16.30	92,748	2,572	19.70	50,562	156,100	270.00	42,186
1978.....	68,300	79	5,399	18.10	97,619	2,647	21.70	57,390	137,600	293.00	40,289
1979.....	70,900	89	6,301	19.20	120,913	3,255	22.20	72,286	152,300	319.00	45,627
1980.....	77,850	87	6,753	21.40	144,613	3,795	23.50	89,327	147,900	374.00	55,286
1981.....	78,520	96	7,522	23.30	175,132	4,517	26.30	118,645	170,200	376.00	56,487
1982.....	92,000	96	8,819	23.90	211,086	5,414	26.70	144,637	170,250	390.00	66,449
1983 <sup>5</sup>	91,500	91	8,326	25.20	210,105	5,582	28.20	157,281	137,220	385.00	59,824
1984.....	106,500	97	10,282	23.10	237,884	6,740	25.10	168,968	177,090	389.00	68,916
1985.....	109,500	97	10,627	22.50	239,345	7,154	24.20	173,053	173,660	382.00	66,292
1986.....	119,100	97	11,523	20.80	239,739	8,442	21.90	184,665	154,350	357.00	55,074
1987 <sup>6</sup>	120,200	95	11,432	20.90	238,846	8,611	21.90	188,619	141,040	356.00	50,227

<sup>1</sup> Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli.

<sup>2</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 22 in 1973.

<sup>3</sup> Price and value on f.o.b. basis.

<sup>4</sup> Price and value at processing plant door.

<sup>5</sup> Due to program modifications, 1983 data are not comparable with 1982 and earlier or 1984 and later data.

<sup>6</sup> Preliminary.

National Agricultural Statistics Service.

**Table 206.—Broccoli, commercial crop: Area, production, and value per hundredweight, and per ton, by States, 1985-87 <sup>1</sup>**

State	Area			Production			Value per unit		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
AZ.....	1,900	2,900	4,200	177	238	382	26.10	23.00	21.80
CA.....	97,700	106,400	107,600	9,575	10,427	10,330	22.50	20.50	20.60
OR.....	2,600	3,000	3,000	247	300	315	19.30	19.00	19.50
TX.....	7,300	6,800	5,400	628	564	405	23.40	25.80	29.20
US.....	109,500	119,100	120,200	10,627	11,529	11,432	22.50	20.80	20.90

  

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
AZ.....	177	238	382	26.10	23.00	21.80						
CA.....	6,415	7,667	7,830	24.00	21.40	21.40	158,000	138,000	125,000	388.00	362.00	360.00
Other States <sup>3</sup>	662	537	399	25.80	28.20	31.90	15,660	16,350	16,040	319.00	313.00	326.00
US.....	7,154	8,442	8,611	24.20	21.90	21.90	173,660	154,350	141,040	382.00	357.00	356.00

<sup>1</sup> Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes Oregon and Texas in "For fresh market;" includes Oregon and Texas in "For processing."

National Agricultural Statistics Service.

**Table 207.—Carrots, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1985–87**

State	Area			Production			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AZ.....	2,400	2,400	2,000	396	396	400	9.45	10.90	10.60
CA:									
Desert.....	11,800	11,100	14,000	2,950	2,886	3,010	10.50	11.50	10.60
Other.....	28,100	28,900	29,000	8,009	9,682	9,570	10.60	11.80	9.82
CO.....	1,000	1,200	1,300	350	408	449	11.70	14.50	7.60
FL.....	11,500	12,300	12,100	1,058	849	1,065	10.30	13.00	10.80
MI.....	6,400	3,700	7,000	1,664	925	1,925	9.76	9.93	7.36
MN.....	1,200	1,200	1,500	456	480	540	6.45	7.03	5.91
NY.....	1,400	1,400	1,200	539	560	432	9.73	13.00	12.90
OR.....	1,100	1,000	800	528	460	380	5.50	9.14	9.08
TX.....	13,800	11,600	11,500	2,001	2,030	2,185	11.20	8.94	8.48
WA.....	5,200	5,800	6,600	2,262	2,407	3,036	4.98	5.10	4.29
WI.....	3,300	3,500	3,500	1,551	1,523	1,750	4.70	6.49	6.00
Other States <sup>2</sup> .....	2,900	2,000	2,620	1,152	828	797	3.16	3.15	2.97
US.....	90,100	86,100	93,120	22,916	23,434	25,539	9.01	10.10	8.45

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
AZ.....	396	396	400	9.45	10.90	10.60						
CA.....	9,451	10,770	11,420	11.60	13.00	10.60	75,400	89,900	58,000	81.80	81.00	89.10
CO.....	350	408	449	11.70	14.50	7.60						
FL.....	1,058	849	1,065	10.30	13.00	10.80						
MI.....	1,110	494	1,150	13.20	16.10	10.40	27,710	21,560	38,760	57.60	57.30	56.80
MN.....	156	161	245	13.50	14.40	10.00	15,020	15,930	14,750	55.50	66.30	50.20
NY.....	289	280	148	15.40	22.70	31.80	12,500	14,000	14,200	63.70	65.00	59.80
OR.....	95	150	125	21.00	23.20	22.50	21,640	15,480	12,750	42.00	46.90	49.90
TX.....	1,821	1,750	1,975	12.20	10.20	9.26	9,000	14,000	10,500	24.00	22.00	22.00
WA.....	456	481	703	14.10	17.10	11.90	90,400	96,300	116,660	53.40	42.00	39.90
Other States <sup>3</sup> .....	165	215	220	13.00	23.80	24.10	126,900	106,800	116,360	69.20	69.10	65.00
US.....	15,347	15,954	17,900	11.90	13.40	10.80	378,570	373,970	381,980	63.70	61.30	57.70

<sup>1</sup> Preliminary.

<sup>2</sup> New Jersey and Ohio.

<sup>3</sup> New Jersey, Ohio, and Wisconsin.

National Agricultural Statistics Service.

**Table 208.—Carrots, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1973-87**

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>		Production	Value <sup>2</sup>		Production	Value <sup>3</sup>	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	83,800	266	22,284	4.76	106,034	12,857	7.20	92,532	471,350	28.60	13,502
1974.....	78,550	292	22,924	5.28	121,145	13,289	7.66	101,811	481,750	40.10	19,334
1975.....	70,080	271	19,016	6.88	130,891	12,423	9.38	116,516	329,650	43.60	14,375
1976.....	73,460	262	19,278	5.88	113,371	12,353	8.08	99,785	346,250	39.20	13,586
1977.....	69,630	277	19,271	7.20	138,664	10,735	11.20	120,026	426,800	43.70	18,638
1978.....	76,770	258	19,824	6.74	133,603	11,374	10.00	114,275	422,520	45.70	19,328
1979.....	86,400	257	22,124	7.16	158,376	12,880	10.60	136,863	462,200	46.50	21,513
1980.....	81,800	255	20,888	8.33	173,905	13,704	11.30	154,853	359,170	53.00	19,052
1981.....	84,350	259	21,831	9.11	198,961	14,511	12.30	178,758	365,960	55.20	20,203
1982.....	86,850	277	24,082	8.64	208,000	14,764	11.70	172,550	419,830	53.10	22,280
1983 *	87,400	265	23,138	9.31	215,431	15,234	12.70	192,744	395,170	57.40	22,687
1984.....	93,640	253	23,734	10.40	247,920	15,476	14.40	222,373	412,920	61.90	25,547
1985.....	90,100	254	22,916	9.01	206,426	15,347	11.90	182,294	378,570	63.70	24,132
1986.....	86,100	272	23,434	10.10	235,942	15,954	13.40	212,999	373,970	61.30	22,943
1987 *	93,120	274	25,539	8.45	215,870	17,900	10.80	193,823	381,980	57.70	22,047

<sup>1</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 170 in 1975, 243 in 1976, 5 in 1977, and 37 in 1978. <sup>2</sup> Price and value on f.o.b. basis. <sup>3</sup> Price and value at processing plant door. <sup>4</sup> Due to program modifications, 1983 data are not comparable with 1982 and earlier and 1984 and later data. <sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 209.—Cauliflower, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, 1973-87<sup>1</sup>**

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production <sup>2</sup>	Value <sup>3</sup>		Production	Value <sup>3</sup>		Production	Value <sup>4</sup>	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	31,780	93	2,940	11.50	33,902	1,442	16.40	23,625	74,900	137.00	10,277
1974.....	32,220	94	3,033	13.10	39,594	1,553	17.80	27,653	74,000	161.00	11,941
1975.....	31,880	94	2,987	15.20	45,320	1,744	20.00	34,816	62,150	169.00	10,504
1976.....	33,500	92	3,071	16.80	51,714	1,989	21.30	42,381	54,100	173.00	9,333
1977.....	37,210	99	3,674	17.50	64,434	2,113	23.20	49,119	78,050	196.00	15,315
1978.....	41,450	92	3,808	18.20	69,154	1,817	26.40	47,983	99,550	213.00	21,171
1979.....	42,750	96	4,117	19.70	81,121	2,627	25.20	66,137	74,530	201.00	14,984
1980.....	43,320	98	4,255	22.50	95,762	2,801	28.20	79,043	72,720	230.00	16,719
1981.....	46,020	113	5,209	24.10	125,307	3,477	30.00	104,358	86,590	242.00	20,949
1982.....	51,400	104	5,370	24.50	131,356	3,420	31.20	106,740	97,530	252.00	24,616
1983 *	54,600	99	5,414	25.90	139,989	3,704	32.00	118,464	85,510	252.00	21,525
1984.....	60,800	110	6,688	26.20	174,981	4,817	31.10	150,031	93,560	266.00	24,900
1985.....	61,200	109	6,664	25.40	169,133	4,904	29.80	145,955	87,940	264.00	23,178
1986.....	67,800	111	7,527	25.50	191,863	5,906	28.80	170,020	81,060	270.00	21,843
1987 *	66,100	112	7,375	25.40	187,555	5,928	28.30	167,728	72,330	274.00	19,827

<sup>1</sup> Includes heading (cauliflower) broccoli.

<sup>2</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 27 in 1973.

<sup>3</sup> Price and value on f.o.b. basis.

<sup>4</sup> Price and value at processing plant door.

<sup>5</sup> Due to program modifications, 1983 data are not comparable with 1982 and earlier and 1984 and later data.

<sup>6</sup> Preliminary.

National Agricultural Statistics Service.

**Table 210.—Cauliflower, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1985-87 <sup>1</sup>**

State	Area			Production			Value per unit		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AZ.....	4,900	6,100	6,400	564	702	800	34.30	29.20	27.40
CA.....	45,600	53,000	51,100	4,788	5,830	5,621	26.40	25.80	26.20
MI.....	1,500	700	1,200	98	39	72	33.90	39.50	28.80
NY:									
Long Island.....	2,000	1,600	1,600	220	192	160	24.50	28.90	25.90
Upstate.....	1,900	1,500	1,500	228	165	153	17.50	27.60	26.30
OR.....	3,800	3,900	3,600	646	507	504	11.90	13.60	14.50
TX.....	1,500	1,000	700	120	92	60	24.70	28.30	13.20
US.....	61,200	67,800	66,100	6,664	7,527	7,375	25.40	25.50	25.40

  

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
AZ.....	564	702	800	34.30	29.20	27.40						
CA.....	3,688	4,670	4,661	29.90	28.50	28.40	55,000	58,000	48,000	294.00	295.00	308.00
Other States <sup>3</sup> .....	652	534	467	25.10	30.80	28.80	32,940	23,060	24,330	213.00	205.00	207.00
US.....	4,904	5,906	5,928	29.80	28.80	28.30	87,940	81,060	72,330	264.00	270.00	274.00

<sup>1</sup> Includes heading (cauliflower) broccoli.

<sup>2</sup> Preliminary.

<sup>3</sup> Michigan, New York, Oregon, and Texas.

National Agricultural Statistics Service.

**Table 211.—Celery, commercial crop: Area, production, and value per hundredweight, by States, 1985–87<sup>1</sup>**

State	Area			Production			Value per unit		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
CA:									
Southern Coast.....	11,500	11,700	11,400	7,015	6,669	6,384	9.46	11.50	12.10
Central Coast.....	9,700	9,700	9,900	6,208	6,014	6,287	11.00	11.80	9.36
FL.....	8,400	8,400	8,600	3,360	3,486	3,612	10.70	12.30	12.00
MI.....	3,200	2,600	3,100	1,312	1,040	1,147	10.60	14.00	11.50
NY.....	610	470	490	247	193	201	11.50	16.30	17.70
OH.....	450	470	450	207	212	216	10.70	13.00	10.30
US.....	33,860	33,340	33,940	18,349	17,614	17,847	10.30	12.00	11.10

<sup>1</sup> Mostly for fresh market use, but includes some quantities used for processing. <sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 212.—Celery, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1973–87<sup>1</sup>**

Year	Area for harvest	Yield per acre	Production <sup>2</sup>	Value <sup>3</sup>		Year	Area for harvest	Yield per acre	Production <sup>2</sup>	Value <sup>3</sup>	
				Per cwt.	Total					Per cwt.	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars		Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars
1973.....	33,480	501	16,784	6.04	101,352	1981.....	36,720	507	18,628	10.80	200,622
1974.....	32,690	504	16,476	5.70	93,956	1982.....	36,440	525	19,139	10.20	194,280
1975.....	31,750	498	15,826	7.46	118,122	1983.....	34,780	526	18,287	13.70	250,239
1976.....	33,660	502	16,904	7.89	133,336	1984.....	35,050	535	18,757	12.20	228,457
1977.....	33,760	491	16,561	8.51	140,978	1985.....	33,860	542	18,349	10.30	189,527
1978.....	36,830	467	17,201	11.90	204,941	1986.....	33,340	528	17,614	12.00	211,065
1979.....	35,720	493	17,603	9.15	161,042	1987 <sup>4</sup> .....	33,940	526	17,847	11.10	198,617
1980.....	37,250	501	18,655	9.11	169,896						

<sup>1</sup> Mostly for fresh market use, but includes quantities used for processing.<sup>2</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 56 in 1973 and 109 in 1974.<sup>3</sup> Price and value on f.o.b. basis.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 213.—Corn, sweet, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1973–87**

Year	For fresh market					For processing				
	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>		Area for harvest	Yield per acre	Production	Value <sup>3</sup>	
				Per cwt.	Total				Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	179,800	78	14,008	6.77	94,844	456,100	4.80	2,190,450	29.80	65,163
1974.....	177,400	78	13,909	7.80	108,542	462,150	4.48	2,069,450	54.30	112,306
1975.....	179,400	80	14,398	8.41	121,117	508,700	4.70	2,393,100	53.60	128,227
1976.....	184,100	81	14,921	8.16	121,812	460,980	4.84	2,233,100	48.20	107,703
1977.....	176,800	81	14,343	8.07	115,775	453,980	5.23	2,376,200	49.60	117,879
1978.....	181,100	78	14,061	8.84	124,239	429,610	5.67	2,434,700	49.90	121,445
1979.....	179,800	78	14,033	9.89	138,730	417,640	5.90	2,463,940	51.30	126,439
1980.....	180,450	79	14,281	10.70	152,890	375,400	5.75	2,158,010	53.70	115,824
1981.....	183,700	78	14,288	11.60	165,669	401,000	5.93	2,378,170	63.10	150,048
1982.....	186,100	78	14,435	12.20	176,071	446,900	6.13	2,740,450	61.40	168,165
1983.....	190,800	78	14,868	12.50	185,282	399,800	5.57	2,227,060	59.80	133,233
1984.....	193,000	81	15,589	13.10	204,617	427,200	5.97	2,552,170	63.70	162,530
1985.....	190,600	82	15,721	12.70	200,232	435,300	6.06	2,640,000	63.40	167,297
1986.....	184,600	81	15,018	13.90	208,921	413,380	6.19	2,559,440	58.90	150,821
1987 <sup>4</sup> .....	189,600	81	15,400	12.90	198,277	430,920	6.65	2,866,630	59.30	169,984

<sup>1</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 56 in 1978.

<sup>2</sup> Price and value on f.o.b. basis.

<sup>3</sup> Price and value at processing plant door.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 214.—Corn, sweet, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1985-87**

Utilization and State	Area			Production			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
<b>FOR FRESH MARKET</b>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AL.....	4,800	5,000	5,500	240	300	413	14.00	10.70	12.70
CA.....	14,700	15,000	16,000	1,544	1,500	1,520	14.30	16.10	13.30
CO.....	3,400	3,400	3,500	527	561	473	6.70	8.30	8.85
CN.....	4,900	4,600	4,400	314	359	312	14.30	17.50	15.10
FL.....	51,000	47,400	52,000	4,590	4,408	4,680	14.50	14.30	14.00
IL.....	3,900	3,800	4,300	312	323	344	10.30	10.10	10.60
MA.....	7,900	8,400	7,100	743	790	639	12.80	17.50	15.80
MI.....	12,000	11,700	11,500	780	702	713	12.40	10.50	10.20
NJ.....	12,800	12,200	11,300	1,088	976	904	10.30	14.40	13.50
NY.....	28,400	24,700	27,200	1,903	1,754	2,094	10.30	13.30	10.40
NC.....	5,000	4,500	4,500	325	243	315	11.20	12.40	9.59
OH.....	15,200	15,400	16,000	1,186	1,263	1,280	12.50	13.50	13.00
OR.....	2,200	2,300	2,400	242	276	276	17.00	18.60	18.20
PA.....	14,800	16,600	14,300	1,051	797	701	12.40	15.20	14.50
TX.....	3,300	3,800	4,000	198	190	200	14.30	6.00	12.00
VA.....	3,000	2,600	2,400	315	192	120	12.00	15.80	19.00
WA.....	3,300	3,200	3,200	363	384	416	13.20	11.10	9.31
US.....	190,600	184,600	189,600	15,721	15,018	15,400	12.70	13.90	12.90
<b>FOR PROCESSING</b>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons <sup>2</sup></i>	<i>Tons <sup>2</sup></i>	<i>Tons <sup>2</sup></i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
DE.....	4,600	4,900	5,400	26,360	23,370	25,490	71.20	47.90	54.60
ID.....	17,300	16,500	17,800	147,570	148,870	166,430	62.50	58.20	53.40
IL.....	36,200	31,700	27,600	206,700	151,840	149,320	67.10	58.60	62.90
MD.....	9,000	7,600	6,300	54,360	41,500	32,510	65.80	48.20	58.00
MN.....	118,300	123,500	112,200	682,590	734,830	729,300	59.50	53.80	56.10
NY.....	29,700	27,100	27,900	121,470	138,750	193,070	63.70	60.00	57.00
OR.....	38,600	34,900	38,900	354,730	322,480	343,880	69.70	66.60	64.20
PA.....	4,100	3,500	3,000	16,280	11,520	10,530	52.10	50.30	50.00
WA.....	38,900	35,300	44,600	326,760	295,460	402,290	68.70	68.60	67.10
WI.....	131,400	122,200	140,000	668,830	656,210	770,000	60.30	57.70	57.50
Other States <sup>3</sup> .....	7,200	6,180	7,220	34,350	34,810	43,810	59.60	60.40	60.10
US.....	435,300	413,380	430,920	2,640,000	2,559,440	2,866,630	63.40	58.90	59.30
<b>Grand total.....</b>	<b>625,900</b>	<b>781,080</b>	<b>620,520</b>	<b>3,426,050</b>	<b>3,310,340</b>	<b>3,636,630</b>	<b>107.00</b>	<b>109.00</b>	<b>101.00</b>

<sup>1</sup> Preliminary.

<sup>2</sup> Tonnage in husk.

<sup>3</sup> 1985—Indiana, Iowa, and Michigan. 1986-87—Indiana, Iowa, Michigan, and New Jersey.

National Agricultural Statistics Service.

**Table 215.—Cucumbers, commercial crop: Area, yield, production, value per ton, total value, and pickle stocks, United States, 1973–87**

Year	For processing					Pickle stocks on hand Oct. 1 <sup>2</sup>
	Area harvested	Yield per acre	Production	Value <sup>1</sup>		
				Per ton	Total	
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>
1973	125,930	4.76	598,800	99.30	59,448	501,000
1974	132,010	4.52	597,000	131.00	77,954	496,000
1975	140,170	4.81	674,250	129.00	86,730	502,800
1976	128,380	4.94	633,800	126.00	79,751	476,500
1977	123,790	5.04	623,850	126.00	78,651	494,550
1978	134,740	5.09	685,450	130.00	88,814	516,600
1979	131,680	5.08	668,970	145.00	97,186	507,750
1980	116,410	5.23	609,170	166.00	101,264	516,650
1981	97,530	5.90	575,380	175.00	100,629	448,300
1982 <sup>3</sup>						
1983 <sup>3</sup>						
1984 <sup>4</sup>	108,580	5.97	618,240	168.00	103,823	
1985	115,200	6.03	694,430	178.00	123,639	528,930
1986	110,510	5.79	639,550	177.00	113,400	522,840
1987 <sup>5</sup>	109,630	5.80	635,450	180.00	114,374	462,810

<sup>1</sup> Price and value at processing plant door.<sup>2</sup> Stocks in hands of original salters of both salt and dill pickles, sold and unsold, in tanks and barrels, on Oct. 1 includes stocks of fresh-pack pickles.<sup>3</sup> Data not available.<sup>4</sup> Estimates reinstated with the 1984 crop.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 216.—Cucumbers (for pickles), commercial crop: Area, production, and value per ton, by States, 1985–87**

State	Area			Production			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
CA	4,100	4,000	4,100	73,470	64,680	61,500	189.00	200.00	198.00
CO	2,600	1,500	1,300	19,060	14,550	12,510	133.00	139.00	169.00
DE	1,500			6,530			144.00		
FL	4,300	4,400	3,900	24,000	24,200	23,400	275.00	278.00	316.00
IN	1,100	1,200	1,100	12,880	11,860	12,240	131.00	119.00	160.00
MD	3,900	3,300	2,200	28,350	21,090	16,280	143.00	193.00	203.00
MI	24,000	24,000	24,000	134,400	139,200	160,800	158.00	146.00	139.00
NJ	660	770	560	7,270	6,520	4,900	204.00	193.00	194.00
NC	29,100	25,300	24,700	99,230	80,960	84,470	198.00	195.00	196.00
OH	4,300	4,500	4,500	60,480	57,240	46,800	197.00	192.00	178.00
OR	2,100	1,900	1,900	25,520	22,610	22,950	170.00	156.00	157.00
SC	13,600	13,300	13,200	48,550	45,750	38,940	191.00	189.00	192.00
TX	6,100	8,200	9,800	37,520	42,640	47,040	228.00	200.00	236.00
WA	1,700	1,700	1,700	16,800	15,300	16,970	185.00	160.00	180.00
WI	6,700	7,200	5,700	61,980	54,000	45,770	125.00	160.00	163.00
Other States <sup>2</sup>	8,440	9,240	10,970	38,390	38,950	40,880	173.00	156.00	160.00
US	115,200	110,510	109,630	694,430	639,550	635,450	178.00	177.00	180.00

<sup>1</sup> Preliminary.<sup>2</sup> 1985—Alabama, Arizona, Arkansas, Georgia, Idaho, Kentucky, Massachusetts, Minnesota, Mississippi, Missouri, Nebraska, New York, South Dakota, and Virginia. 1986—Alabama, Arizona, Arkansas, Delaware, Georgia, Idaho, Kentucky, Massachusetts, Minnesota, Mississippi, Missouri, Nebraska, and South Dakota. 1987—Alabama, Arizona, Arkansas, Delaware, Georgia, Idaho, Illinois, Kentucky, Massachusetts, Minnesota, Mississippi, Missouri, Nebraska, and Virginia.

National Agricultural Statistics Service.



**Table 217.—Honeydew melons, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1973-87**

Year	Area for harvest	Yield per acre	Production	Value <sup>1</sup>		Year	Area for harvest	Yield per acre	Production	Value <sup>1</sup>	
				Per cwt.	Total					Per cwt.	Total
	Acres	Cwt.	1,000 cwt.	Dol-lars	1,000 dollars		Acres	Cwt.	1,000 cwt.	Dol-lars	1,000 dollars
1973 .....	14,000	175	2,453	7.47	18,324	1981 .....	19,600	174	3,419	15.40	52,581
1974 .....	12,400	176	2,185	8.23	17,993	1982 .....	24,900	152	3,780	14.10	53,111
1975 .....	12,570	191	2,395	9.31	22,286	1983 .....	23,800	165	3,918	13.20	51,540
1976 .....	13,950	168	2,346	10.60	24,916	1984 .....	23,300	173	4,031	13.90	55,894
1977 .....	15,480	167	2,591	9.87	25,561	1985 .....	25,700	185	4,758	12.20	58,055
1978 .....	18,520	184	3,413	9.62	32,846	1986 .....	28,800	189	5,438	12.70	69,132
1979 .....	20,500	170	3,477	10.90	37,761	1987 <sup>2</sup> .....	28,600	168	4,811	14.40	69,293
1980 .....	17,700	180	3,180	13.50	42,864						

<sup>1</sup> Price and value on f.o.b. basis. <sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 218.—Honeydew melons, commercial crop: Area, production, and value per hundredweight, by States, 1985-87**

State	Area			Production			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
AZ .....	2,200	2,800	3,400	385	448	459	11.00	12.40	11.90
CA .....	18,500	19,000	20,600	3,423	3,800	3,708	10.20	11.00	11.90
TX .....	5,000	7,000	4,600	950	1,190	644	19.90	18.30	30.60
US .....	25,700	28,800	28,600	4,758	5,438	4,811	12.20	12.70	14.40

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 219.—Lettuce, commercial crop: Area, production, and value per hundredweight, by States, 1985-87**

State	Area			Production			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AZ:									
Western.....	36,600	32,100	35,200	10,614	8,988	11,616	8.72	11.80	11.50
Other.....	8,700	6,300	5,700	1,653	1,544	1,140	10.50	12.40	19.70
CA.....	145,500	145,500	149,500	42,923	42,195	39,618	11.00	11.50	15.10
CO.....	3,400	2,500	3,000	816	613	795	11.10	10.00	17.40
FL.....	13,500	14,200	13,300	2,430	2,272	2,062	16.20	18.50	21.20
MI.....	1,200	1,200	1,000	300	240	215	17.50	16.70	20.20
NJ.....	2,800	2,600	2,600	392	429	364	10.70	12.70	13.30
NM.....	3,200	2,900	2,900	656	725	783	8.85	14.00	11.20
NY.....	3,700	3,100	3,400	759	620	680	12.40	13.60	14.90
OH.....	900	900	1,000	122	99	130	35.70	33.80	44.30
TX.....	3,700	2,300	2,000	592	487	390	13.10	10.20	14.50
WA.....	1,100	1,200	1,200	209	216	240	13.00	14.70	14.90
WI.....	740	540	.....	244	157	.....	12.10	8.60	.....
<b>Total</b> .....	<b>225,040</b>	<b>215,340</b>	<b>220,800</b>	<b>61,710</b>	<b>58,535</b>	<b>58,033</b>	<b>10.90</b>	<b>11.90</b>	<b>14.70</b>
HI.....	650	620	520	94	87	70	24.90	27.20	27.40
US.....	225,690	215,960	221,320	61,804	58,622	58,103	10.90	12.00	14.70

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 220.—Lettuce, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1973-87**

Year	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>		Year	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>	
				Per cwt.	Total					Per cwt.	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars		Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars
1973 .....	224,950	225	50,535	7.40	374,177	1981 .....	223,840	280	62,649	10.90	681,612
1974 .....	228,320	225	51,431	6.93	356,402	1982 .....	216,050	291	62,949	12.00	758,452
1975 .....	228,750	235	53,658	6.71	360,313	1983 <sup>3</sup> .....	208,630	273	57,969	12.30	713,716
1976 .....	225,020	249	55,931	8.26	462,262	1984 .....	221,880	290	64,309	11.00	706,271
1977 .....	231,380	259	59,929	6.94	415,951	1985 .....	225,690	274	61,804	10.90	675,270
1978 .....	239,090	252	60,275	9.90	596,908	1986 .....	215,960	271	58,622	12.00	701,341
1979 .....	245,850	249	61,310	9.20	564,113	1987 <sup>4</sup> .....	221,320	263	58,108	14.70	856,815
1980 .....	236,460	268	63,297	8.91	564,064						

<sup>1</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 1,316 in 1973.

<sup>2</sup> Price and value on f.o.b. basis.

<sup>3</sup> Due to program modifications, 1983 data are not comparable with 1983 and earlier or 1984 and later data.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 221.—Onions, commercial crop: Area, yield, production, shrinkage and loss, value per hundredweight, total value, stocks, United States, 1973-87<sup>1</sup>**

Year	Stocks in storage Jan. 1 <sup>2</sup>			Area for harvest	Yield per acre	Production <sup>3</sup>	Shrinkage and loss	Value <sup>4</sup>	
	In common storage	In cold storage	Total					Per cwt.	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	Acres	Cwt.	1,000 cwt.	1,000 cwt.	Dollars	1,000 dollars
1973 .....	3,961	77	4,038	104,990	283	29,689	2,327	7.57	207,226
1974 .....	4,754	81	4,835	109,730	302	33,151	2,934	4.87	147,182
1975 .....	5,109	80	5,189	103,080	305	31,418	2,944	9.35	266,230
1976 .....	4,430	89	4,519	109,520	322	35,288	3,935	6.93	217,202
1977 .....	5,156	98	5,254	108,550	319	34,583	4,365	6.76	204,314
1978 .....	5,680	63	5,743	121,920	297	36,174	3,958	7.81	251,495
1979 .....	6,556	66	6,622	123,910	312	38,602	4,576	6.98	237,432
1980 .....	7,752	99	7,851	113,160	296	33,526	3,075	11.40	347,054
1981 .....	6,235	78	6,313	112,030	314	35,155	2,885	14.70	475,470
1982 .....	5,560	35	5,595	125,920	332	41,861	4,553	8.24	307,501
1983 .....				123,040	315	38,762	3,851	12.40	431,906
1984 .....				129,350	338	43,657	3,925	10.60	422,538
1985 .....				122,760	367	45,059	6,799	9.08	347,247
1986 .....				115,340	375	43,301	4,118	10.90	427,669
1987 <sup>5</sup> .....				123,720	364	44,997	4,808	12.50	503,666

<sup>1</sup> Mostly for fresh market use, but includes some quantities used for processing.

<sup>2</sup> Grower and local dealer stocks discontinued after 1982.

<sup>3</sup> Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 30 in 1976. Includes storage crop onions harvested but not sold because of shrinkage and waste.

<sup>4</sup> Price and value on f.o.b. basis.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 222.—Onions, commercial crop: Area, production, shrinkage and loss, and value per hundredweight, by States, 1985-87<sup>1</sup>**

Season and State	Area			Production			Shrinkage and loss			Value per unit		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dol- lars per cwt.	Dol- lars per cwt.	Dol- lars per cwt.
<b>Spring:</b>												
AZ.....	1,200	1,200	1,300	564	660	585				9.55	8.78	20.50
CA.....	7,800	7,800	8,200	3,510	2,886	3,198				14.30	10.30	17.60
TX.....	17,000	12,000	12,500	3,230	3,600	2,750				12.30	9.74	25.30
<b>Total.....</b>	<b>26,000</b>	<b>21,000</b>	<b>22,000</b>	<b>7,304</b>	<b>7,146</b>	<b>6,533</b>				<b>13.00</b>	<b>9.88</b>	<b>21.10</b>
<b>Summer:</b>												
<b>Non-storage:</b>												
NM.....	4,500	4,700	5,400	1,463	1,810	2,106				12.90	9.53	14.60
TX.....	4,100	5,300	4,700	943	1,537	799				15.50	11.70	10.40
WA.....	1,300	1,300	1,400	390	429	532				17.40	9.55	12.90
<b>Non-storage total.....</b>	<b>9,900</b>	<b>11,300</b>	<b>11,500</b>	<b>2,796</b>	<b>3,776</b>	<b>3,437</b>				<b>14.40</b>	<b>10.40</b>	<b>13.40</b>
<b>Storage:</b>												
CO.....	12,600	10,800	12,500	5,355	4,590	4,688	1,875	840	775	8.95	13.00	11.50
ID.....	6,800	7,000	7,700	3,740	3,710	4,620	1,048	575	930	6.20	12.10	10.20
MI.....	7,800	5,700	7,600	2,535	1,653	1,900	500	500	412	6.96	13.00	12.70
MN.....	670	650	650	194	208	195	30	21	20	5.28	11.50	10.50
NY.....	13,200	12,800	11,600	3,960	3,456	3,132	491	622	424	11.30	15.80	18.90
OH.....	490	490	470	221	169	139	15	15	20	9.26	14.30	15.10
OR (Malheur).....	9,600	8,500	9,200	5,280	4,505	5,520	1,478	721	1,112	6.20	12.10	10.20
OR (Other).....	3,500	3,200	3,600	1,505	1,440	1,512	285	200	276	5.65	13.40	13.20
UT.....	1,600	1,400	1,700	720	469	825	120	61	115	4.71	10.60	8.27
WA.....	4,300	4,400	5,000	1,763	1,848	2,300	404	323	368	4.97	12.90	10.60
WI.....	1,300	1,200	1,200	436	378	336	56	40	36	4.31	11.50	10.30
<b>Storage total.....</b>	<b>61,860</b>	<b>56,140</b>	<b>61,220</b>	<b>25,709</b>	<b>22,426</b>	<b>25,167</b>	<b>6,302</b>	<b>3,918</b>	<b>4,488</b>	<b>7.51</b>	<b>13.00</b>	<b>11.90</b>
CA <sup>3</sup> .....	25,000	26,900	29,000	9,250	9,953	9,860	497	200	320	7.53	7.87	7.64
<b>Total summer.....</b>	<b>96,760</b>	<b>94,340</b>	<b>101,720</b>	<b>37,755</b>	<b>36,155</b>	<b>38,464</b>	<b>6,799</b>	<b>4,118</b>	<b>4,808</b>	<b>8.14</b>	<b>11.10</b>	<b>10.90</b>
US.....	122,760	115,340	123,720	45,059	43,301	44,997	6,799	4,118	4,808	9.08	10.90	12.50

<sup>1</sup> Mostly for fresh market use, but includes some quantities used for processing.<sup>2</sup> Preliminary.<sup>3</sup> Primarily for processing.

National Agricultural Statistics Service.

**Table 223.—Onions: Foreign trade, United States, 1973-86**

Year beginning July	Imports	Domestic exports	Year beginning July	Imports	Domestic exports	Year beginning July	Imports	Domestic exports
	1,000 cwt.	1,000 cwt.		1,000 cwt.	1,000 cwt.		1,000 cwt.	1,000 cwt.
1973.....	1,079	1,773	1978.....	1,582	2,164	1983.....	2,414	2,056
1974.....	909	1,553	1979.....	1,304	1,851	1984.....	2,528	2,479
1975.....	696	3,169	1980.....	1,400	2,614	1985.....	2,501	1,178
1976.....	1,403	3,169	1981.....	1,581	3,822	1986.....	3,454	1,815
1977.....	1,345	1,941	1982.....	1,861	1,367			

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 224.—Peas, green (for processing), commercial crop: Area, yield, production, value per ton, and total value, United States, 1973-87**

Year	Area harvested	Yield per acre	Production	Value <sup>1</sup>		Year	Area harvested	Yield per acre	Production	Value <sup>1</sup>	
				Per ton	Total					Per ton	Total
	<i>Acres</i>	<i>Tons</i> <sup>2</sup>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>Tons</i> <sup>2</sup>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973 .....	423,790	1.20	507,650	119.00	60,530	1981 .....	293,090	1.55	455,050	218.00	99,056
1974 .....	421,700	1.36	573,150	196.00	112,166	1982 .....	303,830	1.63	496,290	227.00	112,541
1975 .....	437,650	1.30	570,750	218.00	124,604	1983 .....	308,800	1.38	425,740	217.00	92,189
1976 .....	393,020	1.31	513,200	199.00	101,982	1984 .....	330,470	1.50	495,340	237.00	117,266
1977 .....	350,480	1.40	488,950	206.00	100,533	1985 .....	353,620	1.63	577,310	240.00	138,489
1978 .....	355,460	1.30	461,100	206.00	94,853	1986 .....	272,420	1.52	414,880	226.00	93,781
1979 .....	392,320	1.56	613,350	210.00	129,090	1987 <sup>3</sup> .....	290,300	1.51	439,530	224.00	98,576
1980 .....	321,660	1.51	484,240	209.00	101,392						

<sup>1</sup> Price and value at processing plant door.<sup>2</sup> Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 225.—Peas, green (for processing), commercial crop: Area, production, and value per ton, States, 1985-87**

State	Area			Production <sup>2</sup>			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
DE.....	12,400	9,600	9,700	22,200	15,460	12,420	277.00	239.00	229.00
MD.....	1,900			4,030			304.00		
MN.....	81,500	72,700	76,300	128,770	94,510	104,530	240.00	232.00	214.00
NY.....	12,000	8,700	9,900	28,080	16,100	16,240	305.00	281.00	261.00
OR.....	35,400	29,200	33,300	43,190	34,160	43,620	204.00	198.00	200.00
WA.....	61,500	47,600	41,500	98,400	81,400	85,490	240.00	251.00	254.00
WI.....	98,100	70,900	82,500	160,880	114,150	114,680	226.00	208.00	217.00
Other States <sup>3</sup> .....	50,820	33,720	37,100	92,260	59,100	62,550	248.00	215.00	221.00
US.....	353,620	272,420	290,300	577,810	414,880	439,530	240.00	226.00	224.00

<sup>1</sup> Preliminary.<sup>2</sup> Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas.<sup>3</sup> 1985—California, Idaho, Illinois, Iowa, Maine, Michigan, New Jersey, Pennsylvania, and Utah. 1986-87—California, Idaho, Illinois, Iowa, Maine, Maryland, Michigan, New Jersey, and Pennsylvania.

National Agricultural Statistics Service.

Table 226.—Potatoes: Production, seed used, and disposition, United States, 1973–86

Year	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1973	300,013	25,257	6,516	18,376	275,121
1974	342,395	23,795	6,472	32,496	303,427
1975	321,978	25,615	6,560	22,177	293,241
1976	357,666	25,566	6,760	26,246	324,660
1977	355,334	25,989	6,718	31,119	317,497
1978	366,314	24,331	6,302	34,439	325,573
1979	342,447	22,316	5,904	30,128	306,415
1980	303,905	24,063	6,380	23,237	274,288
1981	340,623	24,931	6,004	26,339	308,280
1982	355,131	24,169	7,274	31,013	316,844
1983	333,911	25,535	5,954	24,674	303,283
1984	362,612	27,203	5,746	30,117	326,749
1985	407,109	25,035	8,112	52,758	346,239
1986 <sup>1</sup>	361,511	25,527	6,279	28,338	326,894

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 227.—Potatoes: Area, yield, production, season average price, and value, United States, 1973–87

Year	Area planted	Area harvested	Yield per harvested acre	Production	Season average price	Value of production
					per cwt. received by farmers <sup>1</sup>	
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973	1,329.8	1,306.6	230	300,013	4.90	1,471,942
1974	1,421.6	1,391.6	246	342,395	4.01	1,354,928
1975	1,298.5	1,259.5	256	321,978	4.48	1,442,741
1976	1,404.2	1,371.4	261	357,666	3.59	1,282,521
1977	1,398.9	1,360.2	261	355,334	3.55	1,255,047
1978	1,401.0	1,374.5	267	366,314	3.38	1,224,478
1979	1,295.4	1,258.3	272	342,447	3.44	1,172,108
1980	1,175.4	1,147.8	265	303,905	6.55	1,985,814
1981	1,255.3	1,232.4	276	340,623	5.42	1,831,474
1982	1,302.8	1,266.9	280	355,131	4.45	1,562,639
1983	1,272.1	1,242.5	269	333,911	5.82	1,935,502
1984	1,336.9	1,301.0	279	362,612	5.69	2,045,697
1985	1,409.1	1,361.1	299	407,109	3.92	1,570,600
1986	1,257.2	1,219.6	296	361,511	5.03	1,808,483
1987 <sup>2</sup>	1,304.7	1,282.1	301	385,774	4.47	1,701,580

<sup>1</sup> Obtained by weighting State prices by quantity sold.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 228.—Potatoes: Area, production, and season average price per hundredweight received by farmers, by States, 1985-87

Season and State	Area harvested			Production			Price for crop of—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	Dollars	Dollars
<b>Winter:</b>									
CA.....	5.4	5.1	4.6	1,404	1,479	1,081	9.80	7.00	11.30
FL.....	7.8	7.4	7.1	1,287	1,512	1,420	18.40	16.20	23.90
<b>Total.....</b>	<b>13.2</b>	<b>12.3</b>	<b>11.7</b>	<b>2,691</b>	<b>2,991</b>	<b>2,501</b>	<b>14.00</b>	<b>11.80</b>	<b>18.60</b>
<b>Spring:</b>									
AL.....	5.3	4.7	4.9	848	682	613	7.00	6.75	13.90
AZ.....	5.8	5.9	4.9	1,450	1,298	1,348	8.45	7.30	10.50
CA.....	27.5	19.5	21.3	10,588	7,605	7,881	9.50	8.55	11.50
FL.....									
Hastings.....	26.0	24.5	26.5	6,370	6,860	4,505	7.60	6.05	14.50
Other.....	1.3	.9	2.1	273	171	399	9.50	9.60	13.90
LA.....	.6	.5	.3	42	35	18	14.00	13.50	11.70
NC.....	14.0	13.7	14.5	2,310	2,055	2,030	4.25	5.00	7.00
TX.....	6.5	6.2	6.2	1,105	1,116	930	7.75	6.00	7.30
<b>Total.....</b>	<b>87.0</b>	<b>75.9</b>	<b>80.7</b>	<b>22,986</b>	<b>19,822</b>	<b>17,724</b>	<b>8.27</b>	<b>7.05</b>	<b>11.60</b>
<b>Summer:</b>									
AL.....	7.8	7.3	7.0	1,404	986	1,120	4.50	7.60	8.60
CA.....	7.2	6.8	6.1	2,700	2,482	2,196	7.35	9.95	9.60
CO.....	7.4	6.9	6.3	2,220	2,070	1,859	4.15	6.00	5.30
DE.....	6.5	6.9	8.0	1,820	1,311	1,680	3.90	6.50	7.00
IL.....	3.0	2.9	2.8	855	783	728	4.00	4.35	4.45
IN.....	1.9	( <sup>2</sup> )	( <sup>2</sup> )	266	( <sup>2</sup> )	( <sup>2</sup> )	5.50	( <sup>2</sup> )	( <sup>2</sup> )
IA.....	1.6	1.7	1.7	330	332	315	3.95	4.35	4.35
MD.....	1.6	1.6	2.5	320	272	500	7.80	6.80	6.85
MI.....	13.8	7.3	9.8	3,036	1,679	1,960	4.20	5.70	5.35
MN.....	6.5	6.2	6.4	1,788	1,643	1,920	2.85	6.25	3.65
NE.....	2.5	2.2	2.6	700	605	806	4.75	5.80	3.95
NJ.....	8.3	8.1	7.4	2,464	1,944	1,406	3.80	6.10	6.00
NM.....	10.4	9.0	10.0	2,860	2,790	3,500	4.70	5.00	4.15
NC.....	2.3	1.9	1.9	265	209	247	9.25	8.45	8.90
OH.....	1.1	( <sup>2</sup> )	( <sup>2</sup> )	341	( <sup>2</sup> )	( <sup>2</sup> )	4.65	( <sup>2</sup> )	( <sup>2</sup> )
TN.....	2.5	2.6	1.8	375	234	144	7.60	9.55	10.30
TX.....	12.5	9.9	11.0	2,750	2,475	2,420	5.70	9.80	7.75
VA.....	16.5	13.9	14.1	3,300	1,112	1,974	5.25	8.00	10.30
<b>Total.....</b>	<b>113.9</b>	<b>95.2</b>	<b>99.4</b>	<b>27,794</b>	<b>20,927</b>	<b>22,775</b>	<b>4.86</b>	<b>7.00</b>	<b>6.48</b>
<b>Fall:</b>									
CA.....	21.5	17.0	19.0	8,385	6,885	7,600	6.10	6.40	4.70
CO.....	56.0	57.0	60.0	17,920	18,810	19,500	2.25	4.20	2.70
CN.....	1.4	.9	.5	350	212	110	3.20	6.80	6.80
ID.....									
10 S.W. counties.....	29.0	17.0	18.0	10,875	6,120	7,200	* 3.30	4.30	3.55
Other counties.....	316.0	290.0	319.0	91,640	84,100	92,510			
IN.....	2.6	* 4.5	5.0	624	* 990	* 1,250	4.20	6.45	5.00
ME.....	99.0	86.0	86.0	28,215	21,930	24,510	2.80	6.00	4.75
MA.....	3.3	2.9	2.8	825	667	658	3.40	6.70	6.65
MI.....	44.0	35.0	33.0	12,100	9,625	8,910	4.45	6.05	5.25
MN.....	69.0	70.0	71.0	14,145	13,650	16,330	2.95	4.25	3.55
MT.....	7.0	7.7	7.9	1,890	2,233	2,370	8.75	6.65	6.50
NE.....	7.8	6.9	7.5	2,106	1,794	2,100	4.75	6.10	5.10
NV.....	9.0	9.0	8.0	3,105	3,150	2,720	2.80	4.15	3.00
NY:									
Long Island.....	12.9	8.9	8.9	3,870	2,537	2,225	2.90	7.10	5.15
Upstate.....	25.5	22.5	23.5	6,375	5,288	5,875	4.45	7.80	5.95
ND.....	139.0	120.0	125.0	23,630	21,600	23,125	3.20	4.20	3.60
OH.....	9.3	* 9.7	9.8	2,465	* 2,522	* 2,254	4.80	6.00	4.90
OR:									
Malheur County.....	10.2	6.8	6.8	3,774	2,380	2,788	3.90	4.05	4.00
Other counties.....	50.8	45.2	48.2	23,114	20,792	23,136	3.50	4.20	3.35
PA.....	22.0	21.5	21.5	5,720	5,160	4,730	4.55	6.80	6.70
RI.....	2.5	1.6	1.5	700	384	263	3.90	5.80	5.65
SD.....	12.0	12.0	11.0	2,100	2,520	2,310	3.15	3.40	3.20
UT.....	6.5	6.4	6.6	1,658	1,760	1,584	4.50	4.45	4.60
VT.....	.2	.1	( <sup>6</sup> )	47	20	( <sup>6</sup> )	3.20	6.80	( <sup>6</sup> )
WA.....	126.0	118.0	124.0	63,630	61,950	66,960	3.45	4.30	3.45
WI.....	63.5	57.5	63.5	24,130	20,125	21,273	3.15	4.60	3.95
WY.....	1.0	2.1	2.3	245	567	488	4.20	5.15	4.15
<b>Total.....</b>	<b>1,147.0</b>	<b>1,036.2</b>	<b>1,090.3</b>	<b>353,638</b>	<b>317,771</b>	<b>342,774</b>	<b>3.42</b>	<b>4.68</b>	<b>3.81</b>
<b>US.....</b>	<b>1,361.1</b>	<b>1,219.6</b>	<b>1,282.1</b>	<b>407,109</b>	<b>361,511</b>	<b>385,774</b>	<b>3.92</b>	<b>5.03</b>	<b>4.47</b>

See footnotes on page 167.

**Table 229.—Fall potatoes: Production and total stocks held by growers and local dealers, 15<sup>1</sup> States, 1973–87**

Crop year	Production	Total stocks <sup>1</sup>					
		Dec. 1	Following year				
			Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1973.....	247,686	154,890	131,600	105,360	80,460	55,465	.....
1974.....	278,679	183,850	160,100	131,480	102,963	75,217	.....
1975.....	266,422	181,720	156,220	129,710	102,850	70,970	.....
1976.....	294,978	198,630	172,230	142,030	112,830	81,130	.....
1977.....	295,421	202,550	175,300	147,930	119,850	88,680	.....
1978.....	311,981	219,850	193,520	162,980	132,570	99,250	64,830
1979.....	284,940	200,820	176,020	147,910	121,720	92,550	59,535
1980.....	256,518	172,030	147,010	122,065	97,680	72,660	44,546
1981.....	287,710	193,610	164,380	137,820	111,780	82,270	50,760
1982.....	298,031	206,525	178,980	150,200	122,500	90,105	57,305
1983.....	284,344	192,150	165,330	138,300	112,730	81,740	50,365
1984.....	303,384	201,410	173,380	144,760	118,400	86,440	52,465
1985.....	343,984	235,475	202,800	171,510	138,720	104,540	65,380
1986.....	307,501	209,280	180,800	154,490	128,700	95,090	59,790
1987 <sup>2</sup> .....	333,396	223,720	195,880	167,110	137,950	105,895	71,640

<sup>1</sup> Stocks estimated for the 15 major States (see table 230) starting with the 1980 crop. This table shows stocks and comparable production for the 15 States over the past 11 years. Prior to this year, this table showed data for the 23 major States over a 15 year period.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 230.—Fall potatoes: Total stocks held by growers and local dealers, 15 States, crop of 1986 and 1987<sup>1</sup>**

State	Crop of 1986						Crop of 1987 <sup>1</sup>					
	Dec. 1, 1986	Jan. 1, 1987	Feb. 1, 1987	Mar. 1, 1987	Apr. 1, 1987	May 1, 1987	Dec. 1, 1987	Jan. 1, 1988	Feb. 1, 1988	Mar. 1, 1988	Apr. 1, 1988	May 1, 1988
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
CA.....	4,700	3,700	2,700	2,300	1,700	1,100	4,800	4,100	3,100	2,400	1,700	1,100
CO.....	13,600	11,750	9,750	8,200	6,300	4,250	15,750	14,050	12,200	10,550	8,600	6,500
ID.....	70,500	63,000	57,000	50,000	40,000	27,500	72,500	65,000	57,000	49,000	40,000	27,500
ME.....	16,500	13,700	11,200	9,000	6,500	3,900	18,900	16,300	13,700	11,400	8,500	5,600
MI.....	6,000	5,100	4,100	3,000	1,800	600	4,800	3,800	2,800	2,100	1,200	500
MN.....	10,100	9,000	7,700	6,300	4,000	1,800	11,400	10,300	8,700	7,100	5,100	3,000
MT.....	2,150	2,100	2,040	1,970	1,350	150	2,200	2,100	2,000	1,995	1,400	300
NE.....	1,550	1,250	1,000	780	390	190	1,800	1,550	1,350	1,050	620	350
NY:												
Long Island...	800	550	350	2 200	2 50	(?)	750	450	225	2 215	2 45	(?)
Upstate.....	2,500	2,000	1,300	750	300	2 100	2,800	2,000	1,700	1,000	500	2 310
ND.....	15,500	13,500	11,100	8,900	5,900	3,000	17,500	14,800	12,500	10,000	6,900	3,400
OH.....	680	450	250	(?)	(?)	(?)	650	430	235	(?)	(?)	(?)
OR.....	17,000	14,900	12,700	10,100	7,800	5,800	17,900	16,100	14,200	11,800	9,500	7,500
PA.....	3,400	2,800	2,100	1,400	1,000	400	3,070	2,400	1,800	1,340	830	380
WA.....	32,300	28,000	24,400	20,400	14,600	8,700	36,600	32,900	28,300	22,800	17,500	12,600
WI.....	12,000	9,000	6,800	5,400	3,400	2,300	12,300	9,600	7,300	5,200	3,500	2,600
15 State total.....	209,280	180,800	154,490	128,700	95,090	59,790	223,720	195,880	167,110	137,950	105,895	71,640

<sup>1</sup> Preliminary.

<sup>2</sup> Combined to prevent possible disclosure of individual operations.

National Agricultural Statistics Service.



**Table 231.—Potatoes: Utilization, United States, crop years 1979–86**

Item	1979	1980	1981	1982	1983	1984	1985	1986 <sup>1</sup>
<b>SALES</b>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
Table stock .....	115,109	98,066	111,976	120,306	107,349	113,759	125,349	109,684
For processing:								
Chips and shoestring .....	38,276	37,894	39,344	40,650	43,311	42,339	42,217	45,384
Dehydration .....	30,784	28,222	29,875	27,720	26,754	27,845	29,958	28,445
Frozen french fries .....	74,320	67,208	79,829	76,013	74,350	87,350	94,741	96,244
Other frozen products .....	14,420	13,673	16,812	17,290	19,655	20,322	17,856	15,668
Canned potatoes .....	2,479	2,054	2,469	2,743	2,137	2,589	2,971	2,897
Other canned products (hash, stews, soups) .....	2,251	1,993	1,700	1,839	1,991	1,834	1,610	1,308
Starch and flour .....	3,574	2,186	2,299	4,636	3,028	3,401	3,489	2,808
<b>Total</b> .....	<b>166,104</b>	<b>153,230</b>	<b>172,328</b>	<b>170,891</b>	<b>171,226</b>	<b>185,680</b>	<b>192,842</b>	<b>192,754</b>
Other sales:								
Livestock feed .....	6,636	3,903	3,583	6,159	3,796	4,664	8,084	3,992
Seed .....	18,075	19,089	20,393	19,488	20,912	22,646	19,964	20,464
<b>Total diverted</b> <sup>2</sup> .....	<b>491</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b> .....	<b>25,202</b>	<b>22,992</b>	<b>23,976</b>	<b>25,647</b>	<b>24,708</b>	<b>27,310</b>	<b>28,048</b>	<b>24,456</b>
<b>Total sales</b> .....	<b>306,415</b>	<b>274,288</b>	<b>308,280</b>	<b>316,844</b>	<b>303,283</b>	<b>326,749</b>	<b>346,239</b>	<b>326,894</b>
<b>NON-SALES</b>								
Seed used on farms where grown .....	4,241	4,974	4,538	4,681	4,623	4,419	5,071	5,063
Household use .....	1,663	1,406	1,466	2,593	1,331	1,327	3,041	1,216
Shrinkage and loss .....	30,128	23,237	26,339	31,013	24,674	30,117	52,758	28,338
<b>Total non-sales</b> .....	<b>36,032</b>	<b>29,617</b>	<b>32,343</b>	<b>38,287</b>	<b>30,628</b>	<b>35,863</b>	<b>60,870</b>	<b>34,617</b>
<b>Total production</b> .....	<b>342,447</b>	<b>303,905</b>	<b>340,623</b>	<b>355,131</b>	<b>333,911</b>	<b>362,612</b>	<b>407,109</b>	<b>361,511</b>

<sup>1</sup> Preliminary.

<sup>2</sup> Quantity of potatoes sold for livestock feed and starch under the USDA Diversion Program. For the 1979 crop, the USDA diversion includes Maine only.  
National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 228

<sup>1</sup> Preliminary.

<sup>2</sup> Combined with "fall."

<sup>3</sup> Season average price for all areas.

<sup>4</sup> Includes areas previously classified as "summer."

<sup>5</sup> Estimates discontinued after the 1986 crop.

National Agricultural Statistics Service.

**Table 232.—Potatoes: Production, seed used, and disposition, by seasonal groups, crop of 1986<sup>1</sup>**

Season and State	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Winter:</b>					
CA.....	1,479	91		74	1,405
FL.....	1,512	212		9	1,503
<b>Total.....</b>	<b>2,991</b>	<b>303</b>		<b>83</b>	<b>2,908</b>
<b>Spring:</b>					
AL.....	682	76	1	10	671
AZ.....	1,298	98	4	26	1,268
CA.....	7,605	490	15	152	7,438
FL:					
Hastings.....	6,860	675	1	27	6,832
Other.....	171	55		1	170
LA.....	35	4	3	1	31
NC.....	2,055	181	60	62	1,933
TX.....	1,116	86	28	17	1,071
<b>Total.....</b>	<b>19,822</b>	<b>1,665</b>	<b>112</b>	<b>296</b>	<b>19,414</b>
<b>Summer:</b>					
AL.....	986	109	10	49	927
CA.....	2,482	117	13	50	2,419
CO.....	2,070	193	4	110	1,956
DE.....	1,311	135	5	52	1,254
IL.....	788	59	11	20	752
IA.....	332	24	6	16	310
MD.....	272	27	8	8	255
MI.....	1,679	200	30	49	1,600
MN.....	1,643	114	4	34	1,555
NE.....	605	52	32	67	506
NJ.....	1,944	135	8	58	1,878
NM.....	2,790	200	23	167	2,600
NC.....	209	27	40	7	162
TN.....	234	33	25	9	200
TX.....	2,475	150	5	50	2,420
VA.....	1,112	183	18	38	1,056
<b>Total.....</b>	<b>20,927</b>	<b>1,698</b>	<b>242</b>	<b>834</b>	<b>19,851</b>
<b>Fall:</b>					
CA.....	6,885	380	55	530	6,300
CO.....	18,810	1,398	930	1,605	16,275
CN.....	212	10	2	10	200
ID.....	90,220	6,800	2,020	8,146	80,054
IN.....	990	107	15	75	900
ME.....	21,930	1,785	750	2,260	18,920
MA.....	667	58	3	29	635
MI.....	9,625	646	215	1,040	8,370
MN.....	13,650	1,174	164	1,215	12,271
MT.....	2,233	154	123	250	1,860
NE.....	1,794	203	158	172	1,464
NV.....	3,150	160		390	2,760
NY:					
Long Island.....	2,537	194	7	140	2,390
Upstate.....	5,288	636	148	300	4,840
ND.....	21,600	1,950	325	2,375	18,900
OH.....	2,522	185	12	110	2,400
OR:					
Malheur County.....	2,380	144	8	175	2,197
Other counties.....	20,792	1,049	260	2,250	18,282
PA.....	5,160	418	102	258	4,800
RI.....	384	34	1	7	376
SD.....	2,520	168	10	50	2,460
UT.....	1,760	151	14	215	1,531
VT.....	20		1	2	17
WA.....	61,950	2,852	300	4,000	57,650
WI.....	20,125	1,152	262	1,408	18,455
WY.....	567	53	40	113	414
<b>Total.....</b>	<b>317,771</b>	<b>21,861</b>	<b>5,925</b>	<b>27,125</b>	<b>284,721</b>
<b>US.....</b>	<b>361,511</b>	<b>25,527</b>	<b>6,279</b>	<b>28,338</b>	<b>326,894</b>

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 233.—Potatoes,<sup>1</sup> white: United States exports by country of destination and imports by country of origin, 1984-86**

Item and country	Year beginning October			Item and country	Year beginning October		
	1984	1985	1986		1984	1985	1986
<b>EXPORTS</b>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<b>EXPORTS</b>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Netherlands Antilles .....	117	47	66
Sweden.....	0	81	14	Trinidad and Tobago .....	19	30	96
United Kingdom.....	78	3	54	<b>Total<sup>2</sup> .....</b>	<b>992</b>	<b>1,081</b>	<b>1,055</b>
Other countries.....	77	19	0	<b>Other countries:</b>			
<b>Total<sup>2</sup> .....</b>	<b>155</b>	<b>103</b>	<b>68</b>	Canada <sup>3</sup> .....	44,516	34,638	46,548
Latin America:				Hong Kong.....	293	384	209
Mexico.....	2,225	3,794	1,535	Saudi Arabia .....	235	19	63
Other countries.....	121	136	38	Singapore .....	73	60	142
<b>Total<sup>2</sup> .....</b>	<b>2,345</b>	<b>3,930</b>	<b>1,573</b>	Other countries.....	467	258	39
Bermuda and Caribbean:				<b>Total<sup>2</sup> .....</b>	<b>45,584</b>	<b>35,359</b>	<b>47,001</b>
Bahamas.....	359	199	331	<b>Grand total<sup>2</sup> .....</b>	<b>49,084</b>	<b>40,473</b>	<b>49,698</b>
Barbados.....	2	96	117	<b>IMPORTS</b>			
Bermuda.....	117	49	14	Certified seed:			
Cayman Islands.....	0	0	11	Canada.....	48,584	28,019	42,848
Dominican Republic.....	20	79	97	Other potatoes:			
Jamaica.....	0	259	227	Canada.....	161,728	106,036	181,891
Leeward and Windward Islands.....	358	312	96				

<sup>1</sup> Includes seed potatoes.

<sup>2</sup> Totals may not add due to rounding.

<sup>3</sup> U.S. exports to Canada must be adjusted upward approximately 50% due to underreporting of actual shipments. Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 234.—Potatoes: Foreign trade, United States, 1973-86**

Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1973 .....	1,874	4,975	1978 .....	703	3,025	1983 .....	2,073	1,731
1974 .....	1,453	4,545	1979 .....	1,141	2,336	1984 .....	2,278	1,354
1975 .....	691	9,317	1980 .....	2,412	2,459	1985 .....	3,728	830
1976 .....	806	11,617	1981 .....	3,214	2,581	1986 .....	3,283	1,138
1977 .....	955	3,630	1982 .....	1,144	1,932			

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 235.—Sweet potatoes: Area, yield, production, season average price per hundredweight received by farmers, and value, United States, 1973-87**

Year	Area harvested	Yield per acre	Production	Price <sup>1</sup>	Value of production	Year	Area harvested	Yield per acre	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973 .....	111.6	109	12,156	7.32	89,163	1981 .....	109.8	117	12,799	13.60	174,748
1974 .....	118.1	113	13,339	7.34	98,228	1982 .....	115.4	129	14,833	8.03	118,864
1975 .....	114.3	113	12,891	8.59	110,758	1983 .....	102.4	118	12,083	13.60	165,265
1976 .....	114.8	116	13,273	7.50	99,054	1984 .....	103.5	125	12,986	14.00	182,191
1977 .....	107.1	111	11,885	10.50	124,859	1985 .....	105.3	141	14,853	8.81	130,450
1978 .....	112.2	117	13,115	10.60	139,226	1986 .....	93.4	136	12,674	11.00	138,551
1979 .....	114.2	117	13,370	8.92	119,093	1987 <sup>2</sup> .....	93.3	130	12,064	11.60	159,721
1980 .....	102.2	107	10,953	13.60	148,359						

<sup>1</sup> Obtained by weighting State prices by quantity sold.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 236.—Taro: Area, yield, production, price, and value, Hawaii, 1973-87**

Year	Area harvested <sup>1</sup>	Yield per acre	Production	Price per pound	Value of production	Year	Area harvested <sup>1</sup>	Yield per acre	Production	Price per pound	Value of production
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973 .....	460	18.4	8,478	0.094	798	1981 .....	340	17.9	6,100	0.214	1,305
1974 .....	460	19.2	8,855	.102	901	1982 .....	350	18.5	6,460	.224	1,447
1975 .....	460	16.5	7,592	.112	850	1983 .....	370	14.7	5,440	.226	1,229
1976 .....	460	16.0	7,350	.121	889	1984 .....	370	17.1	6,310	.219	1,382
1977 .....	470	16.7	7,870	.127	999	1985 .....	400	17.2	6,860	.230	1,578
1978 .....	450	17.1	7,680	.134	1,029	1986 .....	390	16.2	6,330	.231	1,462
1979 .....	405	16.4	6,640	.164	1,089	1987 <sup>2</sup> .....	400	15.8	6,300	.270	1,701
1980 .....	320	20.0	6,400	.200	1,280						

<sup>1</sup> Average during the year.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 237.—Sweet potatoes: Area, production, and season average price per hundredweight received by farmers, by States, 1985-87**

State	Area harvested			Production			Price for crop of—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	6.4	6.3	6.7	768	693	804	9.65	14.00	16.20
CA.....	7.4	6.8	6.6	1,443	1,360	1,386	12.80	11.70	20.60
GA.....	6.3	5.8	5.2	1,008	754	780	9.10	12.70	13.10
LA.....	21.0	20.0	19.0	2,520	2,500	2,375	5.35	6.60	5.70
MD.....	1.1	.9	.8	182	117	112	9.50	9.75	9.00
MS.....	5.5	5.2	4.5	660	520	540	8.45	8.50	12.50
NJ.....	2.7	2.0	2.0	338	220	230	11.20	19.60	17.80
NC.....	40.0	34.0	35.0	6,000	5,100	4,550	7.50	11.40	13.20
SC.....	5.0	4.0	4.5	625	420	405	11.70	12.50	15.70
TN.....	1.1	.9	.8	165	99	88	11.60	11.70	14.50
TX.....	7.7	6.6	7.3	1,001	792	730	15.90	14.80	19.30
VA.....	1.1	.9	.9	143	99	103	4.75	7.25	7.30
US.....	105.3	93.4	93.3	14,853	12,674	12,103	8.81	10.90	13.20

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 238.—Sweet potatoes: Production, seed used, and disposition, United States, 1973-87**

Year	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1973.....	12,156	805	1,323	648	10,185
1974.....	13,339	792	1,285	696	11,358
1975.....	12,891	876	1,244	625	11,022
1976.....	13,273	769	1,244	976	11,053
1977.....	11,885	916	1,176	548	10,161
1978.....	13,115	1,017	1,286	627	11,202
1979.....	13,370	925	1,242	711	11,417
1980.....	10,953	924	1,092	534	9,327
1981.....	12,799	1,108	1,373	532	10,894
1982.....	14,833	989	1,693	772	12,368
1983.....	12,083	1,047	1,176	564	10,343
1984.....	12,986	1,050	1,256	530	11,200
1985.....	14,853	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
1986.....	12,674				
1987.....	12,103				

<sup>1</sup> Estimates discontinued.

National Agricultural Statistics Service.

**Table 239.—Tomatoes, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1973–87**

Year	For fresh market					For processing				
	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>		Area harvested	Yield per acre	Production <sup>1</sup>	Value <sup>3</sup>	
				Per cwt.	Total				Per ton	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars	Acres	Tons	Tons	Dollars	1,000 dollars
1973 .....	138,990	141	19,556	16.00	312,217	295,100	20.11	5,934,550	42.00	249,085
1974 .....	124,160	162	20,081	17.30	347,415	337,700	20.79	7,019,850	64.50	453,022
1975 .....	124,680	169	21,114	18.70	393,866	384,250	22.13	8,503,750	63.20	537,452
1976 .....	127,590	171	21,772	19.10	416,562	308,960	20.95	6,471,750	58.00	375,407
1977 .....	124,420	160	19,895	20.60	409,230	346,660	22.44	7,779,150	64.10	498,372
1978 .....	130,220	172	22,408	19.70	440,379	295,560	21.54	6,367,700	64.20	408,950
1979 .....	125,200	186	23,292	22.50	524,823	312,030	23.49	7,329,510	67.60	495,476
1980 .....	126,250	201	25,393	20.70	524,919	263,030	23.61	6,210,590	61.00	378,853
1981 .....	126,960	205	25,981	21.40	555,770	253,920	22.51	5,716,130	67.50	385,632
1982 .....	119,690	224	26,769	22.50	603,551	295,300	24.72	7,298,990	71.60	522,422
1983 .....	123,300	221	27,237	24.10	656,390	292,020	24.07	7,029,840	68.40	480,926
1984 .....	122,880	229	28,189	25.60	722,098	291,870	26.32	7,681,160	67.40	517,488
1985 .....	124,580	240	29,898	24.20	722,195	265,500	27.03	7,177,130	66.30	475,709
1986 .....	127,110	248	31,554	25.10	792,376	252,060	29.33	7,393,290	63.90	472,538
1987 <sup>4</sup> .....	129,600	245	31,747	26.00	826,160	256,600	29.60	7,596,580	59.00	448,565

<sup>1</sup> For fresh market, excluding the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight); 19 in 1973, and 44 in 1977. For processing, excluding 200,000 tons not marketed in 1976.

<sup>2</sup> Price and value of f.o.b. basis.

<sup>3</sup> Price and value at-processing plant door.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 240.—Tomatoes, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1985-87

Utilization and State	Area			Production			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
<b>FOR FRESH MARKET</b>									
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AL.....	3,050	2,800	3,500	305	280	350	26.00	17.00	16.80
AR.....	1,700	1,600	1,000	340	400	290	23.50	22.40	31.70
CA:									
Desert.....	1,500	1,400	1,100	330	322	242	18.30	29.80	30.90
Other.....	27,100	27,200	27,500	7,453	7,616	7,975	19.40	22.50	21.30
FL.....	47,100	52,300	55,300	14,130	15,952	16,590	29.00	27.90	29.50
GA.....	3,100	2,700	2,900	279	270	319	18.10	19.70	25.20
IN.....	1,100	1,100	1,200	143	165	192	23.50	23.00	23.50
LA.....	360	380	370	31	38	44	36.50	36.00	44.70
MD.....	2,500	2,400	2,600	400	480	390	18.80	16.00	18.00
MA.....	670	590	580	164	127	125	27.00	55.00	65.00
MI.....	3,200	3,000	2,800	320	285	252	17.20	21.90	20.30
NJ.....	6,300	6,200	6,100	725	682	580	27.20	23.10	25.70
NY.....	2,800	2,200	2,100	392	286	315	27.20	29.90	32.80
NC.....	1,800	1,600	1,500	270	256	218	14.80	15.20	17.80
OH.....	2,300	2,500	2,700	575	675	419	20.00	25.70	18.10
PA.....	4,800	4,200	4,500	768	609	720	15.60	17.20	15.80
SC.....	4,200	4,000	3,600	1,155	1,200	882	16.00	16.50	20.20
TN.....	4,500	5,000	4,600	1,260	1,050	828	19.00	20.00	23.00
TX.....	3,800	3,000	2,600	228	240	260	17.00	24.10	25.70
VA.....	2,400	2,700	2,800	552	554	686	21.00	28.70	21.80
Total.....	124,280	126,870	129,350	29,820	31,487	31,677	24.10	25.10	26.00
HI.....	300	240	250	78	67	70	40.20	41.00	42.60
US <sup>2</sup> .....	124,580	127,110	129,600	29,898	31,554	31,747	24.20	25.10	26.00
<b>FOR PROCESSING</b>									
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
CA.....	217,000	210,400	214,000	6,102,040	6,480,320	6,702,480	64.10	62.20	57.20
CO.....	860	650	590	17,300	10,840	7,590	71.10	67.60	84.20
DE.....	1,100			13,940			72.10		
IN.....	6,800	6,400	6,700	140,080	138,110	156,850	79.20	81.10	75.30
MD.....	2,300	1,800	1,200	41,170	24,800	17,000	72.70	69.60	72.60
MI.....	6,600	5,400	5,000	166,320	133,380	118,500	80.00	76.00	69.20
NJ.....	4,200	3,000	2,900	92,190	52,260	56,260	75.00	72.80	72.00
OH.....	15,900	14,800	16,000	404,970	384,800	368,000	77.20	74.30	71.70
PA.....	2,800	2,900	2,100	54,460	51,100	29,690	75.50	72.50	75.60
VA.....	1,400			25,200			80.90		
Other States <sup>3</sup> .....	6,540	6,710	8,110	119,460	117,680	140,210	88.80	81.30	75.70
US.....	265,500	252,060	256,600	7,177,130	7,393,290	7,596,580	66.30	63.90	59.00
Grand total.....	390,080	378,870	386,200	8,672,030	8,967,590	9,183,930	138.00	124.00	139.00

<sup>1</sup> Preliminary.<sup>2</sup> Due to program modifications, yearly data are only available.<sup>3</sup> 1985—Florida, Illinois, Iowa, New Mexico, New York, North Carolina, South Carolina, Texas, Utah, and West Virginia. 1986-87—Delaware, Florida, Illinois, Iowa, New Mexico, New York, North Carolina, South Carolina, Texas, Utah, and Virginia.

National Agricultural Statistics Service.

Table 241.—Tomatoes: Foreign trade, United States, 1973-86

Year beginning July	Imports			Domestic exports				
	Fresh	Canned <sup>1</sup>	Paste	Fresh	Canned <sup>2</sup>	Catsup and sauces	Paste <sup>2</sup>	Juice
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1973	611,481	72,395	82,714	153,183	25,401	16,538	45,286	11,413
1974	543,734	64,774	25,811	194,183	23,015	19,049	44,535	23,442
1975	629,975	76,531	30,925	199,072	34,293	39,283	24,945	38,094
1976	791,134	74,505	73,957	178,395	24,199	14,967	20,937	48,524
1977	828,748	75,873	56,538	199,556	26,457	16,563	31,636	37,582
1978	710,578	56,944	50,085	239,715	29,564	17,019	23,568	28,742
1979	687,575	31,380	31,602	256,061	44,489	21,717	40,661	26,204
1980	282,484	54,491	29,415	222,154	32,501	26,662	28,064	36,607
1981	686,672	156,844	182,734	189,332	25,826	26,676	17,575	30,351
1982	493,958	151,296	151,980	173,975	16,638	26,651	24,234	18,944
1983	784,787	245,126	179,479	170,878	13,900	20,274	22,877	8,637
1984	836,108	233,553	94,384	150,085	12,335	21,210	18,866	1,392
1985	915,963	199,405	139,080	133,022	17,136	16,724	18,601	1,288
1986	962,270	171,060	111,695	141,454	10,603	19,520	18,018	1,482

<sup>1</sup> Includes "otherwise prepared," if any.

<sup>2</sup> Includes exports for military-civilian feeding abroad.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

## FOOTNOTES FOR TABLE 245

<sup>1</sup> Fresh vegetable consumption computed for total commercial production for fresh market, including an estimate for commercial production in States where estimates are not made separately. Does not include production for home use. Civilian consumption obtained by dividing the total apparent civilian consumption by total civilian population as reported by the Bureau of the Census. All data for calendar year, except dry field peas which are on a crop-year basis.

<sup>2</sup> Data series discontinued in 1982. Continued in 1984.

<sup>3</sup> Preliminary.

<sup>4</sup> Includes table stock.

Economic Research Service.



Table 242.—Vegetables and melons: Arrivals at 4 markets, by commodities, 1987 <sup>1</sup>

Commodity	Baltimore <sup>2</sup>			Boston <sup>3</sup>			New York <sup>3</sup>			Philadelphia		
	Rail, boat, and air	Motor-truck <sup>4</sup>	Total	Rail, boat, and air	Motor-truck <sup>4</sup>	Total	Rail, boat, and air	Motor-truck <sup>4</sup>	Total	Rail, boat, and air	Motor-truck <sup>4</sup>	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Vegetables:</b>												
Artichokes.....		11	11		20	20		82	82	1	12	13
Asparagus.....		37	37		71	71	40	125	165		43	43
Beans.....		72	72		122	122	40	177	217		63	63
Beets.....					19	19		52	52		8	8
Broccoli.....	26	180	206	78	146	224	325	257	582	104	149	253
Brussel sprouts.....		7	7		9	9		12	12		2	2
Cabbage.....	1	358	359	2	430	432	70	468	538	1	301	302
Carrots.....	62	172	234	406	238	644	692	393	1,085	96	160	256
Cauliflower.....	11	98	109	12	115	127	49	161	210	19	95	114
Celery.....	56	286	342	234	275	509	323	431	754	103	249	352
Chinese cabbage.....		14	14		33	33		44	44		9	9
Corn, sweet.....	13	197	210	51	249	300	68	293	366	48	121	169
Cucumbers.....		245	245		619	619	25	501	526	1	237	288
Eggplant.....		32	32		63	63	19	167	186		37	37
Escarole-endive.....		19	19		76	76	20	104	124		38	38
Garlic.....		4	4		7	7	2	31	33		10	10
Greens.....		79	79		132	132		174	174		79	79
Lettuce, iceberg.....	194	810	1,004	1,326	815	2,141	1,993	1,040	3,033	1,095	725	1,820
Lettuce, romaine.....		78	78		155	155		168	168		95	95
Lettuce, other.....		72	72	3	204	207		118	118		55	55
Mixed vegetables.....	60		60	227		227	473		473	93		93
Mushrooms.....		12	12		115	115		164	164		21	21
Okra.....					1	1	6	35	41			
Onions, dry.....	178	461	639	369	618	987	1,172	643	1,815	214	436	650
Onions, green.....		27	27		55	55	27	132	159	5	23	28
Parsley.....		9	9		31	31		56	56		10	10
Peas, green.....		2	2		2	2		26	26		3	3
Peas, other.....		1	1	8	5	13	27	10	37			
Peppers, bell.....		201	201	8	443	451	32	411	443	9	271	280
Peppers, other.....					12	12	18	106	124		2	2
Potatoes, table.....	264	1,166	1,430	1,170	2,262	3,432	3,501	1,585	5,086	661	1,110	1,771
Potatoes, chipper.....		159	159	41	35	76						
Potatoes, seed.....								1	1			
Pumpkins.....		12	12		6	6		24	24		9	9
Radishes.....		26	26	4	66	70		88	88		24	24
Spinach.....		16	16		109	109		93	93		9	9
Squash.....		78	78		398	398	51	277	328		71	71
Sweet potatoes.....		77	77		92	92		183	183		50	50
Tomatoes.....	14	611	625	199	913	1,112	344	859	1,203	135	612	747
Tomatoes, cherry.....		42	42		66	66		51	51		43	43
Turnips-rutabagas.....		11	11		49	49		39	39		10	10
Vegetables, other.....							4	15	19			
<b>Total.....</b>	<b>879</b>	<b>5,682</b>	<b>6,561</b>	<b>4,138</b>	<b>9,076</b>	<b>13,214</b>	<b>9,321</b>	<b>9,601</b>	<b>18,922</b>	<b>2,585</b>	<b>5,242</b>	<b>7,827</b>
<b>Melons:</b>												
Cantaloups.....	29	342	371	180	444	624	437	551	988	69	281	350
Honeydews.....	9	152	161	27	172	199	100	334	434	12	140	152
Mixed and miscellaneous.....	1	16	17	3	31	34	34	76	110	1	24	25
Watermelons.....	27	318	345	55	652	707	409	564	973	104	425	529
<b>Total.....</b>	<b>66</b>	<b>828</b>	<b>894</b>	<b>265</b>	<b>1,299</b>	<b>1,564</b>	<b>980</b>	<b>1,525</b>	<b>2,505</b>	<b>186</b>	<b>870</b>	<b>1,056</b>
<b>Grand total.....</b>	<b>945</b>	<b>6,510</b>	<b>7,455</b>	<b>4,403</b>	<b>10,375</b>	<b>14,778</b>	<b>10,301</b>	<b>11,126</b>	<b>21,427</b>	<b>2,771</b>	<b>6,112</b>	<b>8,883</b>

<sup>1</sup> Use of car/carlot equivalents for reporting unloads of fresh vegetables and melons was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 274. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981.

<sup>2</sup> Includes Washington.

<sup>3</sup> Includes Newark.

<sup>4</sup> Estimated percentages of completeness for reported truck arrivals for 1986 are as follows: Baltimore 90, Boston 95, New York 85, and Philadelphia 90.

Agricultural Marketing Service.

Table 243.—Vegetables and melons: Arrivals at 4 markets, by commodities, 1987<sup>1</sup>

Commodity	Atlanta			Chicago			Los Angeles			San Francisco <sup>2</sup>		
	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Vegetables:												
Artichokes.....		3	3					125	125			
Asparagus.....		8	8	1	56	57	4	67	71	3	97	100
Beans.....		74	74		66	66		140	140		102	102
Beets.....					4	4		58	58		12	12
Broccoli.....		121	121	371	176	547		546	546		280	280
Brussel sprouts.....								31	31			
Cabbage.....		399	399	9	435	444		831	831		336	336
Carrots.....		171	171	229	332	561		1,075	1,075		461	461
Cauliflower.....		53	53	63	125	188		270	270		114	114
Celery.....	3	136	139	555	309	864		1,253	1,253		406	406
Chinese cabbage.....		12	12					200	200			
Corn, sweet.....		173	173		342	342		559	559		428	428
Cucumbers.....		167	167	1	289	290		536	536		272	272
Eggplant.....		9	9		22	22		117	117		66	66
Escarole-endive.....		2	2		15	15		42	42		12	12
Garlic.....								8	8			
Greens.....		185	185		147	147		268	268		78	78
Lettuce, iceberg.....		808	808	420	1,092	1,512		1,923	1,923		1,008	1,008
Lettuce, romaine.....		42	42		43	43		372	372		156	156
Lettuce, other.....		53	53		68	68		345	345		262	262
Mixed vegetables.....				247		247						
Mushrooms.....		32	32				1	263	264			
Okra.....		10	10					49	49			
Onions, dry.....	58	865	923	185	806	991	1	2,246	2,247		1,122	1,122
Onions, green.....		29	29	3	44	47		143	143		105	105
Parsley.....		3	3					59	59			
Peas.....								11	11		11	11
Peas, other.....		6	6				3	101	104			
Peppers, bell.....		102	102	15	250	265		426	426	1	373	374
Peppers, other.....		1	1		21	21		207	207		33	33
Potatoes, table.....	302	1,280	1,582	447	2,443	2,890	69	5,497	5,566		2,140	2,140
Potatoes, chipper.....	89	248	337		168	168					459	459
Potatoes, seed.....		6	6									
Pumpkins.....		26	26					13	13			
Radishes.....		22	22		31	31		189	189		72	72
Spinach.....		23	23		58	58		186	186		100	100
Squash.....		106	106		71	71		507	507		324	324
Sweet potatoes.....		117	117		168	168		130	130		112	112
Tomatoes.....		607	607	47	1,071	1,118		2,247	2,247		911	911
Tomatoes, cherry.....		24	24		30	30		108	108		51	51
Turnips-rutabagas.....		37	37		7	7		80	80		18	18
Vegetables, other.....								57	57			
Total.....	452	5,960	6,412	2,593	8,689	11,282	78	21,285	21,363	4	9,921	9,925
Melons:												
Cantaloups.....		309	309	296	544	840	1	909	910		641	641
Honeydews.....		76	76	90	135	225		619	619		293	293
Mixed and miscellaneous.....		5	5	8	69	77		100	100		88	88
Watermelons.....		488	488	44	461	505		1,248	1,248		336	336
Total.....	0	878	878	438	1,209	1,647	1	2,876	2,877	0	1,358	1,358
Grand total.....	452	6,838	7,290	3,031	9,898	12,929	79	24,161	24,240	4	11,279	11,283

<sup>1</sup> Use of car/carlot equivalents for reporting unloads of fresh vegetables and melons was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 274. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981.

<sup>2</sup> Includes Oakland.

<sup>3</sup> Estimated percentages of completeness for reported truck arrivals for 1986 are as follows: Atlanta 90, Chicago 90, Los Angeles 85, and San Francisco 90.

Agricultural Marketing Service.

Table 244.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 1987 <sup>1</sup>

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Vegetables:</b>													
Artichokes.....	54	72	98	267	148	143	29	31	28	57	35	28	890
Asparagus.....	19	87	302	466	283	76	.....	1	4	7	1	.....	1,246
Beans.....	98	89	151	179	139	86	1	.....	3	70	153	130	1,099
Beets.....	12	11	20	23	10	1	.....	.....	.....	1	11	19	108
Broccoli.....	684	933	716	830	755	667	493	534	592	718	674	722	8,318
Cabbage.....	1,337	1,245	1,500	1,356	1,136	462	471	851	808	678	782	1,126	11,752
Carrots.....	1,392	1,327	1,545	1,634	1,444	1,271	1,098	970	959	972	990	973	14,575
Cauliflower.....	396	571	534	515	574	462	366	344	404	482	366	393	5,416
Celery.....	1,411	1,360	1,404	1,471	1,371	1,474	1,144	924	1,067	1,307	1,820	1,512	16,265
Chinese cabbage.....	25	31	21	18	17	1	.....	.....	.....	.....	6	27	146
Corn, sweet.....	101	73	131	529	1,674	1,282	893	502	276	266	225	96	6,048
Cucumbers.....	80	67	202	479	852	647	166	315	403	605	571	235	4,622
Eggplant.....	54	41	25	55	63	43	23	9	6	39	54	42	454
Escarole- endive.....	65	57	61	50	35	1	.....	.....	.....	.....	42	72	383
Greens.....	234	227	241	166	88	4	1	.....	3	14	79	199	1,256
Lettuce, iceberg.....	4,726	4,896	4,596	5,483	5,509	5,022	4,448	4,606	4,550	4,960	3,446	4,095	56,337
Lettuce, romaine.....	214	218	177	226	260	239	241	247	262	267	206	279	2,836
Lettuce, other... Mixed vegetables.....	154	166	126	207	237	211	234	225	244	241	168	225	2,438
Okra.....	119	89	109	177	180	185	150	81	111	96	64	81	1,442
Onions, dry.....	4	2	4	6	22	24	12	5	4	5	12	9	109
Onions, green... Onions, dry.....	2,565	1,860	1,677	1,792	3,038	2,630	2,661	2,517	2,859	2,871	2,560	2,717	29,747
Parsley.....	39	27	29	34	64	85	90	75	87	90	32	34	686
Peas, other.....	27	26	30	26	11	2	.....	.....	.....	1	16	27	34
Peppers, bell.....	2	2	3	4	7	6	1	.....	1	2	2	3	34
Peppers, other... Peppers, table... Potatoes, chipper.....	301	235	267	354	535	503	552	288	491	614	623	463	5,226
Potatoes, table... Potatoes, chipper.....	44	21	35	41	35	25	19	4	10	7	38	50	329
Potatoes, table... Potatoes, chipper.....	10,068	8,156	9,286	8,879	8,590	8,705	7,988	8,045	8,994	9,022	9,258	9,587	106,578
Potatoes, seed... Radishes.....	2,072	1,578	2,090	2,143	4,018	2,462	1,029	1,425	1,445	1,729	1,955	1,865	23,811
Radishes..... Spinach.....	543	669	1,986	3,123	1,129	164	.....	.....	3	12	131	271	8,031
Spinach..... Squash.....	94	101	121	132	122	28	13	13	22	62	65	107	880
Squash..... Sweet potatoes... Tomatoes.....	107	100	85	30	33	35	42	43	40	39	56	92	702
Sweet potatoes... Tomatoes..... Tomatoes, cherry.....	84	94	160	235	193	49	12	2	8	72	154	180	1,243
Sweet potatoes... Tomatoes..... Tomatoes, cherry.....	286	244	238	325	192	98	23	169	269	408	828	490	3,570
Tomatoes..... Tomatoes, cherry.....	1,522	960	895	2,074	2,996	2,642	2,435	1,538	2,193	2,094	1,752	2,096	23,197
Turnips- rutabagas.....	14	12	11	25	57	116	111	68	37	60	59	38	608
Turnips- rutabagas..... Vegetables, other <sup>2</sup> .....	24	23	24	23	10	8	.....	.....	.....	7	6	8	133
Vegetables, other <sup>2</sup> .....	2	.....	.....	1	.....	.....	.....	.....	.....	.....	2	.....	5
<b>Total.....</b>	<b>28,973</b>	<b>25,670</b>	<b>28,909</b>	<b>33,378</b>	<b>35,827</b>	<b>29,759</b>	<b>24,746</b>	<b>23,833</b>	<b>26,183</b>	<b>27,875</b>	<b>27,242</b>	<b>28,291</b>	<b>340,686</b>
<b>Melons:</b>													
Cantaloups.....	.....	.....	.....	.....	982	4,778	4,060	2,492	1,598	1,243	249	.....	15,402
Honeydews.....	.....	.....	.....	.....	97	745	1,156	981	811	490	203	24	4,507
Mixed and miscellaneous.....	.....	.....	.....	.....	2	96	264	145	78	59	22	1	667
Watermelons.....	.....	.....	.....	79	2,011	7,262	6,579	1,110	114	28	95	55	17,333
<b>Total.....</b>	<b>.....</b>	<b>.....</b>	<b>.....</b>	<b>79</b>	<b>3,092</b>	<b>12,881</b>	<b>12,059</b>	<b>4,728</b>	<b>2,601</b>	<b>1,820</b>	<b>569</b>	<b>80</b>	<b>37,909</b>
<b>Grand total...</b>	<b>28,973</b>	<b>25,670</b>	<b>28,909</b>	<b>33,457</b>	<b>38,919</b>	<b>42,640</b>	<b>36,805</b>	<b>28,561</b>	<b>28,784</b>	<b>29,695</b>	<b>27,811</b>	<b>28,371</b>	<b>378,595</b>

<sup>1</sup> Use of car/carlot equivalents for reporting shipments of fresh vegetables was discontinued at the close of calendar year 1977. Rail and boat shipment totals of specified commodities for 1963-1977 are published in carlot equivalents in *Agricultural Statistics, 1978*, table 275.

<sup>2</sup> Not otherwise specified.

Agricultural Marketing Service.

Table 245.—Vegetables (fresh), melons, potatoes, sweet potatoes, dry edible beans, and dry field peas: Per capita civilian utilization (farm-weight basis), United States, 1973–87 <sup>1</sup>

Year	Tomatoes	Asparagus	Broccoli	Carrots	Lettuce
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1973.....	12.5	0.4	0.8	6.7	23.1
1974.....	11.8	.4	.8	6.9	23.5
1975.....	12.0	.4	1.0	6.4	23.5
1976.....	12.6	.4	1.1	6.4	24.2
1977.....	12.4	.3	1.2	5.1	25.8
1978.....	13.2	.3	1.1	5.6	25.6
1979.....	12.8	.3	1.4	6.4	25.9
1980.....	13.4	.3	1.6	7.0	26.8
1981.....	13.2	.3	1.8	7.1	25.7
1982.....	13.4	( <sup>2</sup> )	2.2	7.3	25.6
1983.....	13.7	( <sup>2</sup> )	2.3	7.5	25.6
1984.....	15.3	.4	2.7	7.9	26.0
1985.....	16.1	.5	2.9	7.6	24.9
1986.....	17.2	.6	3.5	7.7	23.2
1987 <sup>3</sup> .....	16.8	.6	3.6	8.5	22.7

  

Year	Cauliflow- er	Celery	Corn	Onions
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1973.....	0.8	7.6	7.9	12.5
1974.....	.8	7.4	7.7	13.9
1975.....	.9	6.9	7.8	13.4
1976.....	1.0	7.4	8.0	13.1
1977.....	1.1	7.0	7.6	13.5
1978.....	.9	7.3	7.3	13.7
1979.....	1.3	7.4	7.2	14.7
1980.....	1.3	7.8	7.2	13.7
1981.....	1.6	7.7	7.1	13.1
1982.....	1.6	7.8	7.1	15.2
1983.....	1.7	7.4	7.3	15.3
1984.....	2.2	7.5	7.6	16.1
1985.....	2.3	7.4	7.6	16.7
1986.....	2.7	7.0	7.2	17.9
1987 <sup>3</sup> .....	2.7	7.1	7.3	16.3

  

Year	Honeydew melons	Total vegetables and melons	Potatoes <sup>4</sup>	Sweet potatoes
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1973.....	1.2	73.4	51.7	5.7
1974.....	1.1	74.2	50.8	4.6
1975.....	1.1	73.5	52.6	5.2
1976.....	1.1	75.3	49.4	7.0
1977.....	1.1	75.2	50.1	6.3
1978.....	1.6	76.5	46.1	5.5
1979.....	1.7	79.1	46.6	5.5
1980.....	1.5	80.5	51.0	6.1
1981.....	1.6	79.3	45.7	5.3
1982.....	2.0	82.3	46.6	5.2
1983.....	1.9	82.5	49.9	5.7
1984.....	1.9	87.6	48.8	6.2
1985.....	2.2	88.0	46.6	5.5
1986.....	2.6	89.6	49.6	5.2
1987 <sup>3</sup> .....	2.4	88.0	44.0	.....

See footnotes on page 174.

**Table 246.—Vegetables, canned: United States pack (24/303 basis) of selected items, 1973-87**

Year	Aspara- gus	Beans, lima	Beans, snap	Beets	Carrots	Sweet corn	Peas, green	Pickles	Toma- toes
	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases
1973.....	5,794	3,150	55,002	11,324	6,160	55,227	29,558	67,066	45,431
1974.....	5,643	2,523	62,319	14,819	7,193	46,431	33,120	66,864	43,794
1975.....	3,551	3,729	55,390	13,394	5,035	57,458	35,172	75,516	53,465
1976.....	3,609	2,812	47,421	9,164	5,327	54,694	31,927	70,986	42,614
1977.....	3,705	2,657	54,494	11,348	5,973	56,300	30,238	69,871	54,124
1978.....	3,382	3,356	57,121	12,834	6,609	57,907	25,269	76,770	49,241
1979.....	2,819	3,061	66,281	14,990	6,928	60,022	36,492	74,925	52,896
1980.....	2,535	2,833	59,689	11,322	5,084	50,574	30,056	68,227	53,096
1981.....	2,844	2,602	52,808	9,555	4,639	57,949	27,296	64,443	51,937
1982.....	2,727	2,275	48,832	11,034	4,525	60,522	24,790	n.a.	42,968
1983.....	2,549	2,338	46,506	9,035	4,958	51,595	20,827	n.a.	37,597
1984.....	2,928	2,316	52,089	9,292	4,832	56,879	23,312	69,243	<sup>1</sup> 43,170
1985.....	3,097	1,966	55,503	9,386	4,787	55,729	29,306	77,776	37,485
1986.....	3,874	1,738	48,939	9,042	4,486	55,090	20,919	71,630	38,438
1987 <sup>2</sup> .....	n.a.	1,326	56,081	12,127	4,344	59,117	23,057	71,170	46,634

<sup>1</sup> Data does not include concentrated crushed tomatoes published by California League of Processed Foods.

<sup>2</sup> Preliminary.

n.a. not available.

Economic Research Service. Compiled mainly from reports of the National Food Processors Association.

## FOOTNOTES FOR TABLE 251

<sup>1</sup> Preliminary.

Economic Research Service.

**Table 247.—Vegetables, canned: Per capita utilization (farm weight), United States, 1973-87 <sup>1</sup>**

Year	Aspara- gus	Snap beans	Carrots	Peas	Tomato prod- ucts <sup>2</sup>
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1973.....	0.6	4.2	1.1	3.4	58.4
1974.....	.5	4.2	1.0	2.9	61.3
1975.....	.6	3.9	.9	2.8	61.9
1976.....	.5	4.2	1.0	2.9	65.6
1977.....	.4	4.1	1.0	3.0	62.8
1978.....	.4	4.2	.9	2.9	58.8
1979.....	.3	4.2	1.0	2.6	64.3
1980.....	.4	4.1	.9	2.7	63.6
1981.....	.4	4.2	.9	2.7	59.3
1982.....	n.a.	3.7	.8	2.5	60.1
1983.....	n.a.	3.7	.8	2.4	60.8
1984.....	n.a.	3.4	1.1	2.0	68.4
1985.....	.3	3.5	.9	2.0	63.1
1986.....	.3	3.8	.8	2.2	63.4
1987 <sup>3</sup> .....	.3	3.7	.9	2.0	64.6

Year	Corn	Pickles	Total <sup>4</sup>
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1973.....	14.5	5.8	87.9
1974.....	13.5	5.7	89.1
1975.....	12.0	6.2	88.4
1976.....	13.1	6.1	93.4
1977.....	14.1	5.9	91.4
1978.....	13.2	6.0	86.4
1979.....	12.5	5.9	90.7
1980.....	12.9	5.6	90.2
1981.....	12.1	n.a.	79.6
1982.....	11.4	n.a.	78.5
1983.....	11.5	n.a.	79.2
1984.....	10.1	n.a.	85.0
1985.....	11.7	5.8	87.3
1986.....	11.9	5.3	83.8
1987 <sup>3</sup> .....	10.5	5.1	83.4

<sup>1</sup> Excludes soups and baby food. Civilian consumption only.

<sup>2</sup> Includes paste, catsup, chili sauce, puree, and tomatoes.

<sup>3</sup> Preliminary.

<sup>4</sup> Totals may not add due to rounding.

n.a. not available.

Economic Research Service.

FOOTNOTES FOR TABLE 252

<sup>1</sup> See table 249 for items included. Excludes melons.

<sup>2</sup> Excludes dehydrated onions.

<sup>3</sup> See tables 246 and 251 for items included. Data include pickles and sauerkraut in bulk; exclude canned and frozen potatoes, canned sweet potatoes, canned baby foods, and canned soups.

<sup>4</sup> Preliminary.

Economic Research Service.

Table 248.—Vegetables, frozen: Commercial pack, United States, 1978-87

Commodity	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Artichokes <sup>1</sup> .....	363	1,790	984	1,693	1,419	1,075	1,643	1,202	1,417	1,451
Asparagus.....	15,427	23,989	11,232	11,289	16,958	13,599	15,099	19,990	18,008	16,725
Beans, butter.....	12,609	3,876	4,544	8,630	8,986	6,546	7,901	6,671	7,040	5,713
Beans, green, regular cut.....	161,085	162,000	155,996	160,020	190,658	162,699	158,413	179,349	170,694	159,027
Beans, green, French cut.....	95,117	91,686	71,713	78,639	82,485	78,825	81,355	82,544	63,892	67,297
Beans, green, wax.....	7,478	10,629	8,744	9,227	8,283	7,387	8,487	10,034	5,386	4,379
Beans, green, Italian.....	16,667	19,213	16,855	15,443	20,355	19,954	22,665	24,511	25,430	24,819
Beans, whole.....	7,043	9,022	7,473	9,534	11,886	14,308	20,275	19,576	22,130	26,426
Beans, baby lima.....	81,145	82,775	52,788	67,484	91,781	85,162	82,985	84,567	71,644	75,399
Beans, lima, Fordhook.....	38,110	41,498	33,120	21,356	31,941	28,005	39,494	32,490	29,211	26,951
Broccoli.....	276,519	298,618	290,657	306,755	335,516	285,358	365,784	356,806	324,519	312,640
Brussels sprouts.....	71,161	61,353	63,366	62,162	52,980	41,354	50,449	44,735	37,990	45,660
Carrots.....	238,415	263,080	191,151	269,845	296,679	212,500	255,585	254,586	270,363	294,596
Cauliflower.....	127,513	101,130	84,766	105,161	111,644	100,541	102,106	94,617	89,120	77,758
Celery.....	17,507	17,494	8,729	11,762	12,764	13,497	17,062	15,839	18,729	21,640
Collards.....	17,901	16,534	13,206	16,051	18,031	9,440	12,968	15,708	19,454	17,930
Corn, cut.....	303,155	310,648	270,531	313,982	455,714	367,272	323,977	360,297	364,891	433,158
Corn-on-cob.....	307,079	269,422	258,567	305,390	378,629	293,947	349,666	423,326	371,954	406,859
Kale.....	5,403	3,637	4,292	4,788	4,727	2,894	3,335	5,167	4,175	4,792
Mushrooms <sup>2</sup> .....	8,848	14,193	14,708	22,074	23,443	24,539	24,457	28,669	32,410	37,372
Mustard greens.....	10,595	10,020	7,465	13,011	8,516	7,998	8,508	11,222	11,768	11,556
Okra.....	46,295	33,305	41,698	43,774	54,339	46,038	54,579	51,815	73,160	70,472
Onions.....	154,080	167,239	156,081	159,874	182,344	139,637	156,482	142,008	185,458	188,021
Peas, blackeye.....	36,981	21,099	20,933	33,404	23,821	22,926	28,207	31,675	22,586	29,003
Peas, green.....	357,717	427,461	315,577	333,888	404,830	354,480	423,740	485,985	373,605	406,231
Peppers, green and red <sup>3</sup> .....	11,993	10,661	15,367	16,147	12,940	24,523	25,586	20,922	22,958	23,043
Potato products.....	3,848,810	4,089,732	3,853,156	4,236,239	4,377,228	4,509,905	4,732,894	5,118,102	5,149,148	5,287,634
Pumpkin and cooked squash.....	25,058	23,667	23,000	37,806	24,897	17,759	15,824	20,734	22,319	30,393
Rhubarb.....	4,856	7,899	8,444	6,483	6,767	3,402	5,271	6,647	6,106	6,211
Spinach.....	147,389	181,279	169,298	183,646	150,667	143,205	171,249	174,802	157,119	171,208
Squash, summer.....	43,826	38,149	36,737	46,833	65,179	62,738	66,467	67,458	75,994	70,999
Sweet potatoes and yams.....	15,483	14,981	16,135	19,993	20,822	9,719	13,749	18,677	13,683	11,871
Turnip greens.....	13,735	15,948	10,705	13,020	9,799	11,925	10,299	14,446	14,371	17,205
Turnip greens with turnips.....	23,511	23,210	21,321	19,243	19,759	23,290	19,215	20,639	19,417	16,513
Miscellaneous vegetables.....	11,859	7,922	9,890	7,682	14,411	7,208	5,252	3,144	6,399	8,291
Total.....	6,560,733	6,875,159	6,269,229	6,972,328	7,531,198	7,153,705	7,681,008	8,248,960	8,122,548	8,403,063

<sup>1</sup> Included in "Miscellaneous vegetables" prior to 1973.<sup>2</sup> Included in "Miscellaneous vegetables" prior to 1976.<sup>3</sup> Included in "Miscellaneous vegetables" prior to 1972.

Economic Research Service. Data from American Frozen Food Institute.

Table 249.—Vegetables, frozen: Commercial pack, by kinds and regions, United States, 1987

Commodity	East and South <sup>1</sup>	Midwest <sup>2</sup>	West <sup>3</sup>	Northwest <sup>4</sup>	California	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Artichokes					1,451	1,451
Asparagus					<sup>6</sup> 16,725	16,725
Beans, butter	<sup>8</sup> 5,718					5,718
Beans, green, regular cut	57,718	33,936			67,378	159,027
Beans, green, French cut	36,820				30,477	67,297
Beans, wax		4,379				4,379
Beans, green, Italian	3,812		21,007			24,819
Beans, whole	12,559				13,867	26,426
Beans, baby lima		17,166			58,233	75,399
Broccoli		26,435			286,025	312,460
Brussels sprouts					45,660	45,660
Carrots		33,906			210,690	294,596
Cauliflower				<sup>7</sup> 26,514	51,244	77,758
Celery					21,640	21,640
Collards	17,930					17,930
Corn, cut		147,641	235,517			433,158
Corn-on-cob		176,696	230,163			406,859
Kale	4,792					4,792
Mustard greens	11,556					11,556
Okra	70,472					70,472
Onions			139,622			139,622
Peas, blackeye	29,003					29,003
Peas, green	47,563	110,960			241,708	400,231
Peppers, green and red	9,709	257	13,077			23,043
Potato products		1,070,135	4,217,499			5,287,634
Pumpkins and cooked squash	<sup>8</sup> 30,393					30,393
Rhubarb			6,211			6,211
Spinach	53,742				117,466	171,208
Squash, summer	70,999					70,999
Sweet potatoes and yams	11,871					11,871
Turnip greens	17,205					17,205
Miscellaneous vegetables	<sup>8</sup> 8,291					8,291
Turnip greens with turnips	16,513					16,513
Mushrooms	37,372					37,372
Total	554,028	1,671,511	4,913,096	26,514	1,162,564	8,321,713

<sup>1</sup> Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Mississippi, Missouri, New Jersey, New Mexico, New York, North Carolina, Oklahoma, Pennsylvania, Tennessee, Texas, and Virginia. <sup>2</sup> Illinois, Indiana, Michigan, Minnesota, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. <sup>3</sup> California, Colorado, Idaho, Montana, Oregon, Washington, and Wyoming. <sup>4</sup> Idaho, Oregon, and Washington. <sup>5</sup> East, South, West, Washington, and California. <sup>6</sup> East, South, and West. <sup>7</sup> East, South, Midwest, and Northwest. <sup>8</sup> East, South, Midwest, and West. <sup>9</sup> Regional packs not reported; allocated on basis of aggregate packs of other items.

Economic Research Service. Data from American Frozen Food Institute.



Table 250.—Frozen vegetables and potato products: Cold-storage holdings end of month, United States, 1986 and 1987

Month	Total green beans		Total broccoli		Total carrots		Total sweet corn	
	1986	1987	1986	1987	1986	1987	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	150,779	153,198	80,134	91,614	163,938	180,950	450,699	416,844
February .....	129,530	129,225	89,260	95,128	147,623	164,038	383,096	353,677
March .....	108,632	106,630	87,152	93,707	143,909	149,165	316,787	297,984
April .....	93,087	94,416	74,884	95,408	123,996	136,827	260,590	251,429
May .....	78,399	79,158	80,195	111,357	113,702	125,852	210,631	195,551
June .....	71,150	74,180	105,760	137,154	103,190	116,757	162,571	140,051
July .....	130,649	150,302	123,028	152,291	92,705	112,584	136,995	167,979
August .....	231,016	238,716	144,299	159,858	89,619	109,293	324,013	375,438
September .....	237,804	252,750	135,592	161,822	95,700	113,327	565,815	669,962
October .....	221,846	233,453	125,584	151,994	164,525	179,629	606,521	664,924
November .....	200,997	208,994	118,320	133,645	210,759	234,124	545,706	629,261
December .....	182,613	182,898	105,146	114,814	208,728	214,380	490,756	566,546

  

Month	Total lima beans		Cauliflower		Spinach		Brussels sprouts	
	1986	1987	1986	1987	1986	1987	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	91,899	59,171	74,872	75,045	37,483	34,806	40,112	27,114
February .....	83,976	49,711	72,353	70,932	33,717	28,399	37,294	23,197
March .....	74,353	44,881	63,063	61,274	50,668	59,843	32,794	20,822
April .....	64,593	36,433	55,085	53,163	90,633	109,894	28,333	18,647
May .....	56,907	32,603	45,119	44,482	89,235	106,485	24,158	15,648
June .....	48,315	27,525	39,737	39,125	84,080	102,802	21,677	13,480
July .....	41,072	21,073	32,812	41,504	76,748	91,579	18,024	11,768
August .....	53,545	37,249	39,900	41,790	69,126	80,678	14,359	10,326
September .....	90,377	74,202	49,621	54,158	62,225	75,266	12,371	11,845
October .....	95,755	76,934	68,927	67,873	65,935	72,070	22,748	26,434
November .....	82,489	67,615	80,426	76,161	56,264	62,689	30,299	33,634
December .....	71,085	55,869	80,705	79,879	45,936	50,811	30,541	36,701

  

Month	Total onions		Green peas		Total frozen vegetables		Total frozen potatoes	
	1986	1987	1986	1987	1986	1987	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January .....	27,166	35,389	277,296	212,529	1,828,771	1,751,085	906,961	786,657
February .....	29,640	33,032	242,923	185,479	1,678,130	1,560,205	950,361	795,920
March .....	30,944	31,697	208,615	155,489	1,516,676	1,412,098	1,017,253	856,587
April .....	32,586	28,118	185,085	141,815	1,392,251	1,330,022	1,075,671	886,726
May .....	34,530	25,536	164,019	131,779	1,281,053	1,220,258	1,126,526	962,854
June .....	34,235	23,939	227,592	233,334	1,300,882	1,260,134	1,096,854	1,003,328
July .....	36,241	29,586	307,374	376,407	1,436,921	1,571,205	958,142	816,382
August .....	36,391	30,209	396,948	706,658	1,886,999	1,982,656	733,444	675,501
September .....	33,142	26,665	355,786	386,815	2,133,405	2,341,266	771,232	774,242
October .....	34,850	28,782	317,676	342,137	2,265,932	2,403,869	904,143	947,521
November .....	35,756	29,806	284,148	302,126	2,161,280	2,327,508	941,165	966,081
December .....	35,715	29,570	249,865	251,150	1,977,572	2,098,396	894,052	882,500

National Agricultural Statistics Service.

**Table 251.—Vegetables, frozen: Per capita utilization consumption (farm weight basis), United States, 1973-87**

Year	Leafy, green, and yellow vegetables				
	Asparagus	Snap beans	Carrots	Peas	Broccoli
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1973.....	0.2	1.5	2.9	1.9	1.0
1974.....	.2	1.6	2.8	2.0	1.1
1975.....	.2	1.4	2.6	1.9	1.0
1976.....	.3	1.3	2.6	1.9	1.1
1977.....	.2	1.2	2.7	1.8	1.2
1978.....	.2	1.4	2.5	1.8	1.4
1979.....	.2	1.5	2.7	1.9	1.4
1980.....	.1	1.6	2.5	1.8	1.4
1981.....	.1	1.5	2.5	1.7	1.5
1982.....	n.a.	1.5	2.2	1.7	1.5
1983.....	n.a.	1.7	2.2	1.8	1.5
1984.....	.1	1.7	2.9	2.0	1.8
1985.....	.1	1.7	2.3	2.1	1.8
1986.....	.1	1.5	2.2	1.9	1.7
1987 <sup>1</sup> .....	.1	2.0	2.4	1.7	2.2

  

Year	Cauliflower	Corn, cut basis	Total vegetables excluding potatoes	Potato products	Grand total
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
	1973.....	0.6	6.0	14.0	31.6
1974.....	.7	5.9	13.8	34.7	48.5
1975.....	.6	6.3	14.0	35.0	49.0
1976.....	.6	5.9	13.7	39.7	53.4
1977.....	.7	7.4	15.2	42.3	57.5
1978.....	.8	6.3	14.4	41.4	55.8
1979.....	.7	6.8	15.2	41.6	56.8
1980.....	.8	6.4	14.6	36.1	50.7
1981.....	.9	7.2	15.4	38.4	53.8
1982.....	.9	5.7	17.2	40.3	57.5
1983.....	.8	6.6	14.6	38.3	52.9
1984.....	.9	7.9	17.3	41.6	58.9
1985.....	.9	7.8	16.8	44.3	62.1
1986.....	.9	7.5	15.8	44.3	60.1
1987 <sup>1</sup> .....	.9	7.9	17.8	44.3	62.1

See footnotes on page 179.

**Table 252.—Commercially produced vegetables: Per capita utilization, United States, 1973-87**

Year	Farm weight equivalent					Percentage of annual total				
	Total fresh and processed	Fresh <sup>1 2</sup>	Processed <sup>3</sup>			Fresh	Processed			
			Total	Canning	Freezing		Total	Canning	Freezing	
1973.....	175.6	73.4	102.2	87.9	14.3	41.8	58.2	50.1	8.2	
1974.....	177.5	74.2	103.3	89.1	14.2	41.8	58.2	50.2	8.0	
1975.....	175.9	73.5	102.4	88.4	14.0	41.8	58.2	50.3	8.0	
1976.....	182.3	75.3	101.0	93.3	13.7	41.3	58.7	51.2	7.5	
1977.....	181.7	75.2	106.5	91.4	15.1	41.4	58.6	50.3	8.3	
1978.....	177.2	76.5	100.7	86.4	14.3	43.2	56.8	48.8	8.1	
1979.....	184.9	79.1	105.8	90.7	15.1	42.8	57.2	49.1	8.2	
1980.....	185.3	80.5	104.8	90.2	14.6	43.5	56.6	48.7	7.9	
1981.....	173.5	79.3	94.2	79.6	14.6	45.7	54.3	45.9	8.4	
1982.....	174.3	82.3	92.0	78.5	13.5	47.2	52.8	45.0	7.8	
1983.....	176.4	82.5	93.9	79.2	14.7	46.8	53.2	44.9	8.3	
1984.....	190.0	87.6	102.4	85.0	17.4	46.1	53.9	44.7	9.2	
1985.....	192.2	88.0	104.2	87.3	16.9	45.8	54.2	45.4	8.8	
1986.....	189.2	89.6	99.6	83.8	15.8	47.4	52.7	44.3	8.4	
1987 <sup>4</sup> .....	188.5	88.0	100.5	83.4	17.1	46.7	53.3	44.3	9.1	

See footnotes on page 180.

## CHAPTER V

# STATISTICS OF FRUITS, TREE NUTS, AND HORTICULTURAL SPECIALTIES

For most fruits, production is estimated at two levels—total and utilized. Total production is the quantity of fruit harvested plus quantities which would have been acceptable for fresh market or processing but were not harvested or utilized because of economic and other reasons. Utilized production is the amount sold plus the quantities used on farms where grown and quantities held in storage. The difference between total and utilized production is the quantity of marketable fruit not harvested and fruit harvested but not sold or utilized because of economic and other reasons. Production relates to the crop produced on all farms, except for apples and strawberries. In accordance with Congressional enactment, the Department's estimates of apple production since 1938 have related only to commercial production. The estimates for strawberries cover production on area grown primarily for sale. Statistics on utilization of fruit by commercial processors refer to first utilization, not necessarily final utilization. For example, frozen fruit includes fruit which may later be used for preserves.

The price shown for each crop is a season average price for all methods of sales. Prices for most fresh fruit are the average prices producers received at the point of first sale, commonly referred to as the "average price as sold." Since the point of first sale is not the same for all producers, prices for the various methods of sale are weighted by the proportionate quantity sold. For example, if in a given State part of the fruit crop is sold f.o.b. packed by growers, part sold as bulk fruit at the packinghouse door, and some sold retail at roadside stands, the fresh fruit average price as sold is a weighted average of the average price for each method of sale.

The annual estimates are checked and adjusted at the end of each marketing season on the basis of shipment and processing records from transportation agencies, processors, cooperative marketing associations, and other industry organizations. The estimates are reviewed (and revised if necessary) at 5-year intervals, when the Census of Agriculture data become available. The Department's available statistics are limited to the major tree fruits and nuts and to grapes, cranberries, and strawberries, and exclude some States where census data indicate production is of only minor importance.

**Table 253.—Fruits and planted nuts: Bearing area, United States, 1973-87**

Year	Citrus fruits <sup>1</sup>	Major deciduous fruits <sup>2</sup>	Minor fruits <sup>3,4</sup>	Plant-ed nuts <sup>5</sup>	Fruits and plant-ed nuts	Year	Citrus fruits <sup>1</sup>	Major deciduous fruits <sup>2</sup>	Minor fruits <sup>3,4</sup>	Plant-ed nuts <sup>5</sup>	Fruits and plant-ed nuts
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres		1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
1973 .....	1,174.5	1,538.7	136.3	398.6	3,248.1	1981 .....	1,129.8	1,599.3	249.0	559.3	3,537.4
1974 .....	1,177.8	1,377.8	137.1	421.7	3,314.4	1982 .....	1,116.1	1,658.5	199.4	577.6	3,551.6
1975 .....	1,181.3	1,616.2	135.2	441.9	3,374.6	1985 .....	1,084.0	1,693.8	204.5	598.5	3,580.8
1976 .....	1,178.6	1,665.9	138.0	455.1	3,437.6	1984 .....	1,002.5	1,710.7	208.9	622.9	3,545.0
1977 .....	1,159.3	1,701.6	142.0	482.9	3,485.8	1985 .....	899.2	1,735.4	211.1	656.9	3,502.6
1978 .....	1,142.0	1,619.4	222.5	520.7	3,504.6	1986 .....	880.4	1,742.0	214.5	668.9	3,445.8
1979 .....	1,130.5	1,591.2	231.7	557.5	3,510.9	1987 <sup>6</sup> .....	822.0	1,747.0	215.0	673.0	3,457.0
1980 .....	1,143.0	1,607.5	242.4	563.1	3,556.0						

<sup>1</sup> Oranges, tangerines, lemons, grapefruit, lemons, limes, and tangelos. Area is for the year of harvest.

<sup>2</sup> Commercial apples, apricots, cherries, grapes, nectarines, peaches, pears, plums, and prunes.

<sup>3</sup> Avocados, bananas, cranberries, dates, figs, kiwifruit (beginning 1980), olives, papayas, pineapples, and pomegranates.

<sup>4</sup> Persimmons discontinued after 1977.

<sup>5</sup> Almonds, filberts, macadamia nuts, and walnuts. Pistachios beginning 1977.

<sup>6</sup> Preliminary.

National Agricultural Statistics Service.

Table 254.—Fruits: Production in tons, United States, 1973-87 <sup>1</sup>

Year	Apples, commercial crop <sup>2</sup>	Peaches	Pears	Grapes (fresh basis)	Cherries	Prunes and plums (fresh basis)	Apricots	Figs (fresh basis)	Olives
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1973	3,133	1,295	730	4,198	246	783	158	42	70
1974	3,290	1,459	742	4,199	279	659	94	45	59
1975	3,765	1,418	748	4,366	301	656	183	38	67
1976	3,236	1,509	839	4,398	246	666	155	32	80
1977	3,370	1,478	782	4,298	254	727	147	42	43
1978	3,799	1,326	723	4,567	247	684	126	32	126
1979	4,063	1,469	855	4,989	269	661	144	39	62
1980	4,409	1,534	897	5,595	364	821	129	45	109
1981	3,870	1,385	897	4,458	221	765	89	38	45
1982	4,061	1,143	804	6,555	312	573	118	38	147
1983	4,189	928	775	5,506	259	674	94	34	61
1984	4,167	1,330	710	5,194	318	687	127	36	91
1985	3,961	1,074	747	5,607	276	648	132	33	96
1986	3,967	1,164	766	5,226	250	491	55	49	112
1987 <sup>3</sup>	5,271	1,214	940	5,264	390	978	115	49	68

  

Year	Oranges <sup>4</sup>	Tangerines <sup>4</sup>	Grapefruit <sup>4</sup>	Lemons <sup>4</sup>	Limes <sup>4</sup>	Tangelos <sup>4</sup>	Tem-ples <sup>4</sup>	Strawberries, commercial crop	Pineapples
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1973	9,737	223	2,676	844	44	140	230	240	810
1974	9,386	210	2,692	676	42	167	239	269	700
1975	10,241	228	2,504	1,118	44	212	239	275	720
1976	10,493	236	2,850	670	43	248	248	290	680
1977	10,546	249	3,032	988	40	216	171	331	690
1978	9,546	228	3,030	991	18	221	221	330	675
1979	9,160	237	2,757	745	29	189	212	319	681
1980	11,832	275	2,986	789	44	288	270	351	657
1981	10,487	239	2,759	1,189	48	221	162	371	636
1982	7,600	212	2,878	942	52	229	144	442	670
1983	9,519	229	2,447	963	68	171	211	447	722
1984	7,246	208	2,176	807	63	162	130	495	600
1985	6,734	176	2,255	980	72	162	146	509	565
1986	7,487	187	2,339	697	76	133	133	510	646
1987 <sup>3</sup>	7,737	220	2,561	1,087	63	180	153	556	692

  

Year	Avocados <sup>5</sup>	Nectarines	Cranberries	Bananas	Kiwi-fruit	Dates	Papayas	Persimmons	Pomegranates	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1973	74	87	105	4	.....	23	16	2	6	25,916
1974	127	117	112	3	.....	23	19	3	8	25,619
1975	87	111	104	3	.....	25	20	2	9	27,484
1976	141	128	120	3	.....	22	25	2	9	27,369
1977	118	155	105	3	.....	25	32	2	10	27,854
1978	146	148	123	3	.....	22	45	(e)	10	27,337
1979	102	172	124	3	.....	21	30	(e)	13	27,345
1980	269	191	135	2	5	22	37	(e)	17	32,073
1981	183	182	130	3	7	22	47	(e)	17	28,471
1982	297	178	152	3	16	24	42	(e)	16	27,588
1983	274	185	149	2	14	17	38	(e)	20	27,996
1984	230	183	166	5	18	22	60	(e)	20	25,251
1985	189	210	174	4	22	29	48	(e)	19	24,868
1986	303	172	182	5	24	18	42	(e)	22	25,056
1987 <sup>3</sup>	239	191	163	6	29	19	53	(e)	19	28,257

<sup>1</sup> For some crops in certain years, production includes some quantities unharvested for economic reasons or excess cullage fruit. <sup>2</sup> Estimates of the commercial crop refer to production in orchards of 100 or more bearing-age trees.

<sup>3</sup> Preliminary. <sup>4</sup> Year harvest was complete. <sup>5</sup> Year of bloom. <sup>6</sup> Estimates discontinued after 1977 crop.

National Agricultural Statistics Service.

**Table 255.—Apples, commercial crop: <sup>1</sup> Production and season average price per pound, by States, 1985-87**

States	Total production			Utilized production			Price <sup>3</sup> for crop of—		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
AR.....	16.0	10.0	4.0	15.0	9.5	4.0	11.6	13.3	11.9
CA.....	620.0	515.0	650.0	620.0	515.0	650.0	9.4	16.3	11.1
CO.....	110.0	18.0	125.0	110.0	17.6	118.0	9.5	9.7	6.7
CT.....	42.0	47.0	45.0	40.0	46.0	44.0	16.6	19.3	20.9
DE.....	19.0	27.0	26.0	19.0	27.0	26.0	8.7	9.1	10.6
GA.....	20.0	30.0	50.0	19.0	29.0	40.0	11.2	16.0	11.3
ID.....	131.0	94.0	149.0	131.0	94.0	140.0	19.6	22.2	10.2
IL.....	106.0	90.0	103.0	102.0	90.0	96.0	12.2	16.0	11.9
IN.....	75.0	37.0	72.0	75.0	37.0	70.0	13.1	18.6	17.0
IA.....	13.5	5.5	10.0	12.0	5.4	9.3	15.4	26.8	20.3
KS.....	15.0	3.0	12.0	12.8	2.9	10.4	11.6	23.9	14.7
KY.....	17.0	4.0	21.0	15.0	3.9	16.5	14.1	20.8	15.3
ME.....	85.0	88.0	75.0	82.0	86.0	74.0	16.3	19.2	19.1
MD.....	80.0	87.0	40.0	76.0	85.0	38.0	10.2	11.3	10.3
MA.....	89.0	95.0	96.0	85.0	92.0	94.0	18.3	19.6	20.6
MI.....	1,100.0	700.0	1,050.0	1,070.0	700.0	1,050.0	7.5	9.3	7.6
MN.....	23.0	19.0	26.0	21.0	18.0	23.0	22.0	30.5	23.0
MO.....	62.0	37.0	53.0	62.0	37.0	50.0	16.2	20.5	9.9
NH.....	56.0	50.0	50.0	55.0	50.0	49.0	18.6	20.0	22.4
NJ.....	105.0	100.0	80.0	103.0	100.0	77.0	11.8	12.4	12.4
NM.....	10.0	6.0	12.6	10.0	6.0	12.6	12.8	19.0	15.6
NY.....	1,090.0	900.0	880.0	1,079.0	900.0	880.0	7.0	10.1	9.2
NC.....	275.0	120.0	390.0	275.0	120.0	390.0	7.4	8.5	6.4
OH.....	145.0	90.0	150.0	145.0	90.0	150.0	14.4	17.4	15.8
OR.....	160.0	105.0	210.0	160.0	105.0	205.0	12.6	10.6	5.4
PA.....	585.0	620.0	460.0	585.0	620.0	460.0	9.4	8.3	9.0
RI.....	4.0	5.5	5.0	4.0	5.5	5.0	21.8	22.3	23.3
SC.....	16.0	30.0	45.0	15.0	30.0	39.0	11.0	13.5	8.4
TN.....	11.0	9.0	15.0	10.0	8.5	14.0	13.6	18.5	13.4
UT.....	57.0	34.0	68.0	55.0	34.0	63.0	12.1	13.8	7.4
VT.....	49.0	49.0	44.0	47.0	48.0	42.0	16.5	17.7	18.0
VA.....	395.0	460.0	481.0	388.0	450.0	461.0	9.8	9.7	9.3
WA.....	2,050.0	3,160.0	4,800.0	2,050.0	3,160.0	4,600.0	17.0	15.5	6.8
WV.....	230.0	230.0	180.0	230.0	230.0	180.0	9.8	10.6	7.5
WI.....	62.0	58.0	65.0	58.0	55.0	61.0	14.0	17.1	15.5
US.....	7,923.5	7,933.0	10,542.6	7,835.8	7,907.3	10,241.8	11.7	13.4	8.5

<sup>1</sup> In orchards of 100 or more bearing-age trees.

<sup>2</sup> Preliminary.

<sup>3</sup> Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, New York, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 256.—Apples: Production and value, United States, 1973-87

Year	Apples, commercial crop <sup>1</sup>				Year	Apples, commercial crop <sup>1</sup>			
	Total production	Utilized production	Season average price <sup>2</sup>	Value		Total production	Utilized production	Season average price <sup>2</sup>	Value
	Million pounds	Million pounds	Cents per pound	1,000 dollars		Million pounds	Million pounds	Cents per pound	1,000 dollars
1973 .....	6,265.0	6,251.5	8.80	548,965	1981 .....	7,739.6	7,692.9	11.1	851,132
1974 .....	6,579.7	6,529.8	8.40	551,600	1982 .....	8,122.0	8,110.2	10.0	809,004
1975 .....	7,530.0	7,102.6	6.5	460,894	1983 .....	8,378.5	8,357.9	10.5	879,036
1976 .....	6,472.2	6,466.9	9.1	586,473	1984 .....	8,333.0	8,318.1	11.2	927,622
1977 .....	6,739.6	6,710.0	10.6	708,631	1985 .....	7,923.5	7,835.8	11.7	915,533
1978 .....	7,596.9	7,544.0	10.4	781,350	1986 .....	7,933.0	7,907.3	13.4	1,058,879
1979 .....	8,126.1	8,101.2	10.9	881,237	1987 <sup>3</sup> .....	10,542.6	10,241.8	8.5	869,053
1980 .....	8,818.4	8,800.4	8.7	761,335					

<sup>1</sup> In orchards of 100 or more bearing-age trees.

<sup>2</sup> Fresh fruit prices are equivalent returns at packinghouse-door for California, Oregon, New York, and Washington; for other States, returns at point of first sale. Processing prices are equivalent returns at processing plant door.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

Table 257.—Apples, fresh (dessert and cooking): Production in specified countries, 1984/85-1987/88 <sup>1</sup>

Continent and country	1984/85	1985/86	1986/87	1987/88 <sup>2</sup>	Continent and country	1984/85	1985/86	1986/87	1987/88 <sup>2</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>					<b>Other Europe—Con.</b>				
Canada <sup>3</sup> .....	434	479	386	485	Norway .....	47	64	32	45
Mexico .....	486	443	629	613	Sweden <sup>3</sup> .....	37	38	36	33
United States <sup>3</sup> .....	3,780	3,594	3,598	4,782	Switzerland <sup>3</sup> .....	159	127	163	134
Total .....	4,700	4,516	4,613	5,880	Turkey .....	1,900	1,900	1,860	1,950
					Yugoslavia .....	584	368	637	550
<b>South America:</b>					Total .....	4,091	3,692	4,264	3,929
Argentina .....	922	594	1,078	1,000	Total Europe .....	12,416	10,961	12,512	11,387
Chile .....	450	515	550	600	<b>Africa:</b>				
Total .....	1,372	1,109	1,628	1,600	South Africa .....	557	516	470	500
<b>European Community:</b>					Total .....	557	516	470	500
Belgium and Luxembourg .....	231	221	269	246	<b>Asia:</b>				
Denmark <sup>3</sup> .....	54	45	48	45	Japan .....	812	910	986	1,003
France .....	2,005	1,793	1,875	1,866	Total .....	812	910	986	1,003
Germany, Fed. Rep. of... ..	1,799	1,410	2,180	1,150	<b>Oceania:</b>				
Greece .....	321	257	316	297	Australia .....	352	291	362	320
Italy .....	2,241	2,012	2,020	2,196	New Zealand .....	286	310	340	355
Netherlands .....	388	270	400	395	Total .....	638	601	702	675
Spain .....	970	988	829	945	Total specified countries .....	20,495	18,613	20,911	21,045
United Kingdom .....	316	273	311	318					
Total EC .....	8,325	7,269	8,248	7,458					
<b>Other Europe:</b>									
Austria .....	276	241	283	217					
Hungary .....	1,088	954	1,253	1,000					

<sup>1</sup> May include some cider varieties in countries not reporting separately.

<sup>2</sup> Preliminary.

<sup>3</sup> Commercial crop.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 258.—Apples, commercial crop: Production and utilization, United States, 1973-87**

Crop of—	Total production	Utilized production	Utilization of quantities sold				
			Fresh <sup>1</sup>	Processed (fresh basis)			
				Canned	Dried	Frozen	Other <sup>2</sup>
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1973.....	6,265.0	6,251.5	3,539.4	1,255.4	247.7	259.2	<sup>3</sup> 949.8
1974.....	6,579.7	6,529.8	3,690.5	1,225.6	197.2	181.7	<sup>3</sup> 1,234.8
1975.....	7,530.0	7,102.6	4,357.0	1,026.7	229.5	206.6	<sup>3</sup> 1,282.8
1976.....	6,472.2	6,466.9	3,915.8	919.9	229.3	220.4	<sup>3</sup> 1,181.5
1977.....	6,739.6	6,710.0	3,859.6	1,075.9	225.5	160.9	<sup>3</sup> 1,388.1
1978.....	7,596.9	7,544.0	4,210.4	1,224.2	221.0	207.4	<sup>3</sup> 1,681.0
1979.....	8,126.1	8,101.2	4,288.6	1,336.7	255.7	136.6	<sup>3</sup> 2,083.6
1980.....	8,818.4	8,800.4	4,934.1	1,202.4	194.7	167.5	<sup>3</sup> 2,301.7
1981.....	7,739.6	7,692.9	4,442.2	1,002.4	190.0	172.7	<sup>3</sup> 1,885.6
1982.....	8,122.0	8,110.2	4,536.7	1,248.6	209.9	190.8	<sup>3</sup> 1,924.2
1983.....	8,378.5	8,357.9	4,620.5	1,204.4	283.3	169.6	<sup>3</sup> 2,080.1
1984.....	8,333.0	8,318.1	4,666.1	1,176.7	288.6	198.1	<sup>3</sup> 1,988.6
1985.....	7,923.5	7,835.8	4,227.7	1,255.4	242.4	194.3	<sup>3</sup> 1,916.0
1986.....	7,933.0	7,907.3	4,531.8	1,179.0	199.4	257.3	<sup>3</sup> 1,739.8
1987 <sup>4</sup> .....	10,542.6	10,241.8	5,621.6	1,284.6	268.8	253.8	2,813.0

<sup>1</sup> Includes "Home use."

<sup>2</sup> Mostly crushed for vinegar, cider, and juice. For some States, small quantities canned, dried, and frozen are included.

<sup>3</sup> Includes the following quantities of juice and cider (million pounds): 1973—822.2; 1974—1,030.7; 1975—1,191.6; 1976—1,109.1; 1977—1,267.2; 1978—1,494.6; 1979—1,953.8; 1980—2,136.9; 1981—1,798.4; 1982—1,807.8; 1983—1,984.7; 1984—1,886.3; 1985—1,842.1; 1986—1,648.9; and 1987—2,739.8

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 259.—Apples, commercial crop: Production and utilization, by States, crop of 1987 (preliminary)**

State	Total production	Utilized production	Utilization					
			Fresh <sup>1</sup>	Processed (fresh basis)				
				Canned	Dried	Frozen	Juice and cider	Other <sup>2</sup>
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
CA.....	650.0	650.0	230.0	80.0	48.0	( <sup>3</sup> )	292.0	( <sup>3</sup> )
MI.....	1,050.0	1,050.0	390.0	195.0	( <sup>3</sup> )	125.0	330.0	10.0
NY.....	880.0	880.0	380.0	265.0	( <sup>3</sup> )	40.0	170.0	25.0
OR.....	210.0	205.0	125.0	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	62.0	( <sup>3</sup> )
PA.....	460.0	460.0	157.0	181.2	( <sup>3</sup> )	3.5	116.0	2.3
VA.....	481.0	461.0	205.0	155.0	( <sup>3</sup> )	21.0	73.0	7.0
WA.....	4,800.0	4,600.0	3,000.0	145.0	( <sup>3</sup> )	( <sup>3</sup> )	1,215.0	( <sup>3</sup> )
WV.....	180.0	180.0	53.0	75.5	( <sup>3</sup> )	15.4	34.3	1.8
Other States <sup>4</sup> .....	1,831.6	1,755.8	1,081.6	187.9	220.8	48.9	447.5	27.1
US.....	10,542.6	10,241.8	5,621.6	1,284.6	268.8	253.8	2,739.8	73.2

<sup>1</sup> Includes "Home use."

<sup>2</sup> Mostly vinegar, wine, and jam.

<sup>3</sup> Data not published to avoid disclosure of individual operations, but included in "Other States" and U.S. totals.

<sup>4</sup> Arkansas, Colorado, Connecticut, Delaware, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Minnesota, Missouri, New Hampshire, New Jersey, New Mexico, North Carolina, Ohio, Rhode Island, South Carolina, Tennessee, Utah, Vermont, and Wisconsin.

National Agricultural Statistics Service.

**Table 260.—Apples, fresh: United States exports by country of destination and imports by country of origin, 1984/85–1986/87**

Country	Year beginning July			Country	Year beginning July		
	1984/85	1985/86	1986/87		1984/85	1985/86	1986/87
<b>EXPORTS</b>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<b>EXPORTS</b>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Europe:</b>				Netherlands Antilles.....	948	662	703
Finland.....	3,445	3,653	3,575	Trinidad and Tobago.....	1,226	646	361
France.....	0	671	118	Other countries.....	174	82	511
Iceland.....	1,044	899	1,262	<b>Total.....</b>	<b>4,530</b>	<b>3,333</b>	<b>3,498</b>
Ireland.....	654	1,418	922				
Netherlands.....	445	531	1,608	<b>Other countries:</b>			
Norway.....	2,142	2,146	4,213	Canada.....	30,861	25,202	42,072
Sweden.....	2,489	2,401	4,448	Taiwan.....	35,642	30,065	37,115
United Kingdom.....	7,844	8,753	8,694	French Pacific Islands.....	267	339	455
Other countries.....	47	672	239	Hong Kong.....	29,720	22,920	18,274
<b>Total.....</b>	<b>18,110</b>	<b>21,144</b>	<b>25,079</b>	Indonesia.....	0	16	0
				Kuwait.....	3,323	560	622
<b>Latin America:</b>				Liberia.....	11	19	8
Brazil.....	532	91	1,755	Malaysia.....	12,526	8,179	3,635
Colombia.....	3,771	4,441	2,931	New Zealand.....	2,796	2,019	1,448
Costa Rica.....	761	590	1,272	Other Pacific Islands.....	6	0	0
El Salvador.....	213	111	4	Philippines.....	9	4	16
Guatemala.....	87	73	0	Saudi Arabia.....	28,384	8,284	11,975
Nicaragua.....	9	0	0	Singapore.....	12,808	11,358	6,782
Mexico.....	1,766	1,838	2,589	Thailand.....	3,138	3,052	3,038
Honduras.....	870	575	921	United Arab Emirates.....	15,547	4,359	1,619
Panama.....	2,990	3,052	2,464	Other countries.....	957	1,088	305
Surinam.....	10	0	0	<b>Total.....</b>	<b>176,000</b>	<b>117,464</b>	<b>130,252</b>
Venezuela.....	16	0	0	<b>Grand total.....</b>	<b>209,835</b>	<b>152,792</b>	<b>168,274</b>
Other countries.....	170	80	97				
<b>Total.....</b>	<b>11,195</b>	<b>10,851</b>	<b>9,445</b>	<b>IMPORTS</b>			
<b>Bermuda and Caribbean:</b>				Australia.....	412	1,594	652
Bahamas.....	237	37	28	Canada.....	32,219	42,236	38,929
Barbados.....	615	319	175	Chile.....	22,596	30,792	43,315
Bermuda.....	221	112	109	France.....	10,944	15,821	7,239
Dominican Rep.....	535	780	1,231	New Zealand.....	21,934	32,449	35,539
French West Indies.....	10	20	60	South Africa.....	15,431	17,027	7,280
Haiti.....	217	188	117	Other countries.....	940	6,465	6,239
Leeward and Windward Islands.....	347	487	663	<b>Total.....</b>	<b>104,476</b>	<b>146,384</b>	<b>139,253</b>

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 261.—Apples: <sup>1</sup> Foreign trade, United States, 1973–86**

Year beginning July	Imports, fresh and dried, in terms of fresh	Domestic exports		Year beginning July	Imports, fresh and dried, in terms of fresh	Domestic exports	
		Fresh	Dried, in terms of fresh <sup>1</sup>			Fresh	Dried, in terms of fresh <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	42,265	80,855	6,202	1981 <sup>2</sup> .....	128,295	269,228	8,348
1974.....	37,843	106,090	3,748	1982 <sup>2</sup> .....	98,732	261,802	16,062
1975.....	57,796	102,255	3,734	1983 <sup>2</sup> .....	126,030	228,677	12,002
1976 <sup>2</sup> .....	55,720	123,670	4,544	1984 <sup>2</sup> .....	132,632	205,239	9,256
1977 <sup>2</sup> .....	63,647	142,360	8,210	1985 <sup>2</sup> .....	152,566	147,122	5,520
1978 <sup>2</sup> .....	78,452	154,780	7,272	1986 <sup>2</sup> .....	149,231	175,104	10,528
1979 <sup>2</sup> .....	71,182	237,409	5,520				
1980 <sup>2</sup> .....	76,831	311,288	7,592				

<sup>1</sup> Dried converted to terms of fresh apples on following basis; 1 pound dried is equivalent to 8 pounds fresh. No re-exports reported. <sup>2</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.



Table 262.—Apricots: Production and value, United States, 1973-87 <sup>1</sup>

Year	Total production	Utilized production	Season average price per ton <sup>2</sup>	Value	Year	Total production	Utilized production	Season average price per ton <sup>2</sup>	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	157,900	157,690	168.00	26,442	1981.....	89,400	89,380	311.00	27,765
1974.....	93,550	93,550	270.00	25,281	1982.....	118,200	118,060	304.00	35,933
1975.....	182,600	175,600	214.00	37,609	1983.....	93,800	93,800	315.00	29,519
1976.....	154,500	128,350	200.00	25,689	1984.....	127,200	117,080	308.00	36,081
1977.....	147,300	141,300	210.00	29,671	1985.....	131,500	106,330	265.00	28,187
1978.....	126,200	126,200	249.00	31,364	1986.....	55,200	55,100	402.00	22,174
1979.....	144,200	144,200	269.00	38,718	1987 <sup>3</sup> .....	115,000	104,800	349.00	36,536
1980.....	129,000	129,000	291.00	37,505					

<sup>1</sup> Production, price, and value for California, Utah, and Washington. <sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington. Quantities processed are priced at the equivalent processing plant door level. <sup>3</sup> Preliminary.

National Agricultural Statistics Service.

Table 263.—Apricots: Production and season average price per ton, by States, 1985-87

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
CA.....	128,000	50,000	110,000	103,000	50,000	100,000	255.00	371.00	335.00
UT.....	1,100	900	1,100	930	800	900	380.00	364.00	400.00
WA.....	2,400	4,300	3,900	2,400	4,300	3,900	628.00	772.00	709.00
Total.....	131,500	55,200	115,000	106,330	55,100	104,800	265.00	402.00	349.00

<sup>1</sup> Preliminary. <sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 264.—Apricots, fresh: Production in specified countries, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>	Continent and country	1985	1986	1987 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:				Europe—Con.			
United States.....	119.3	50.1	104.3	Yugoslavia.....	26.4	26.0	18.0
Total.....	119.3	50.1	104.3	Total.....	606.3	570.7	520.8
South America:				Africa:			
Argentina.....	25.9	11.8	12.4	South Africa.....	25.5	40.5	42.2
Chile.....	14.0	14.7	11.8	Total.....	25.5	40.5	42.2
Total.....	39.9	26.5	24.2	Oceania:			
Europe:				Australia.....	24.5	29.6	26.5
France.....	102.5	114.9	96.0	New Zealand.....	9.4	9.0	8.7
Germany, Fed. Rep. of.....	1.8	2.0	1.8	Total.....	33.9	38.6	35.2
Greece.....	127.6	86.0	93.0	Total specified countries.....	824.9	726.4	726.7
Italy.....	194.9	192.0	175.0				
Spain.....	153.1	149.8	137.0				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 265.—Apricots: Production and utilization, United States,<sup>1</sup> 1973-87**

Crop of—	Total production	Utilized production	Utilization of quantities sold			
			Fresh <sup>2</sup>	Processed (fresh basis)		
				Canned <sup>3</sup>	Dried	Frozen
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1973.....	157,900	157,690	11,870	116,720	19,500	9,600
1974.....	93,550	93,550	8,450	62,500	17,000	5,600
1975.....	182,600	175,600	10,100	122,800	28,500	14,200
1976.....	154,500	128,350	12,660	76,290	29,300	10,100
1977.....	147,300	141,300	11,960	79,340	39,500	10,500
1978.....	126,200	126,200	9,200	78,500	30,000	8,500
1979.....	144,200	144,200	10,890	84,310	39,000	10,000
1980.....	129,000	129,000	13,130	80,870	27,100	7,900
1981.....	89,400	89,380	12,230	43,650	25,000	8,500
1982.....	118,200	118,060	10,810	62,250	33,000	12,000
1983.....	93,800	93,800	10,550	44,050	28,200	11,000
1984.....	127,200	117,080	15,780	67,300	22,500	11,500
1985.....	131,500	106,330	19,980	61,350	13,000	12,000
1986.....	55,200	55,100	10,750	27,650	9,500	7,200
1987 <sup>4</sup> .....	115,000	104,800	16,750	53,550	22,300	12,200

<sup>1</sup> California, Utah, and Washington.<sup>2</sup> Includes "Home use."<sup>3</sup> Includes some quantities frozen or otherwise processed.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 266.—Apricots: Production and utilization, by States, crop of 1987 (preliminary)**

State—	Total production	Utilized production	Utilization			
			Fresh	Processed (fresh basis)		
				Canned <sup>1</sup>	Dried	Frozen
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
CA.....	110,000	100,000	12,500	53,000	22,300	12,200
UT.....	1,100	900	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
WA.....	3,900	3,900	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
US.....	115,000	104,800	16,750	53,550	22,300	12,200

<sup>1</sup> Some quantities used for juice are included in "Canned" to avoid disclosure of individual operations.<sup>2</sup> Missing data not published to avoid disclosure of individual operations, but included in U.S. total.

National Agricultural Statistics Service.

Table 267.—Apricots: Foreign trade, United States, 1973-86

Year beginning July	Domestic exports				
	Fresh	Canned <sup>1</sup>	Dried <sup>1</sup>	Dried, in fruit salad <sup>2</sup>	Total, in terms of fresh <sup>3</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	2,036	2,351	834	220	9,140
1974.....	1,316	658	533	216	5,635
1975.....	2,653	958	798	227	8,608
1976 <sup>4</sup> .....	1,807	1,091	1,056	200	9,043
1977 <sup>4</sup> .....	( <sup>5</sup> )	1,242	( <sup>5</sup> )	230	2,070
1978 <sup>4</sup> .....	( <sup>5</sup> )	2,249	( <sup>5</sup> )	173	2,503
1979 <sup>4</sup> .....	( <sup>5</sup> )	927	( <sup>5</sup> )	296	2,185
1980 <sup>4</sup> .....	( <sup>5</sup> )	1,499	( <sup>5</sup> )	331	2,777
1981 <sup>4</sup> .....	( <sup>5</sup> )	956	( <sup>5</sup> )	243	1,935
1982 <sup>4</sup> .....	( <sup>5</sup> )	1,012	( <sup>5</sup> )	211	1,811
1983 <sup>4</sup> .....	( <sup>5</sup> )	410	( <sup>5</sup> )	205	1,348
1984 <sup>4</sup> .....	( <sup>5</sup> )	342	( <sup>5</sup> )	243	1,494
1985 <sup>4</sup> .....	( <sup>5</sup> )	371	( <sup>5</sup> )	270	1,654
1986 <sup>4</sup> .....	( <sup>5</sup> )	387	( <sup>5</sup> )	228	1,450

<sup>1</sup> Net processed weight.<sup>2</sup> Dried apricots are 12½ percent of total dried fruit for salad.<sup>3</sup> Dried fruit converted to unprocessed dry weight by dividing by 1.07. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 5.5 pounds fresh. Canned apricots converted to terms of fresh on the basis that 1 pound canned equals 0.717 pounds fresh.<sup>4</sup> Year beginning October.<sup>5</sup> Not available.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 268.—Avocados: Production, season average price per ton, and value, United States, 1973-74 to 1987-88

Season	California			Florida			California and Florida <sup>3</sup>		
	Production <sup>1</sup>	Price <sup>2</sup>	Value	Production <sup>1</sup>	Price <sup>2</sup>	Value	Production <sup>1</sup>	Price <sup>2</sup>	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973-74.....	53,400	793	42,346	20,300	355	7,207	73,700	672	49,553
1974-75.....	105,500	475	50,113	21,900	327	7,161	127,400	450	57,274
1975-76.....	58,400	1,037	60,561	29,000	400	11,600	87,400	826	72,161
1976-77.....	120,000	593	71,160	21,100	410	8,651	141,100	566	79,811
1977-78.....	107,000	740	79,180	10,700	690	7,383	117,700	735	86,563
1978-79.....	123,000	691	84,993	23,100	400	9,240	146,100	645	94,233
1979-80.....	75,000	1,496	112,200	27,300	597	16,298	102,300	1,256	128,498
1980-81.....	238,000	357	84,966	30,800	529	16,293	268,800	377	101,259
1981-82.....	157,000	689	108,173	25,800	501	12,926	182,800	662	121,099
1982-83.....	202,000	460	92,920	34,700	480	16,656	236,700	463	109,576
1983-84.....	247,000	370	91,390	27,000	460	12,420	274,000	379	103,810
1984-85.....	200,000	582	116,400	29,500	390	11,505	229,500	557	127,905
1985-86.....	160,000	1,015	162,400	28,500	576	16,416	188,500	949	178,816
1986-87.....	278,000	337	93,686	24,700	412	10,176	302,700	343	103,862
1987-88 <sup>4</sup> .....	210,000	675	141,750	29,000	312	9,048	239,000	631	150,798

<sup>1</sup> Production is the quantity sold or utilized.<sup>2</sup> Quantities processed are priced at the equivalent processing plant door level.<sup>3</sup> Season from Nov. 1 to Nov. 30 (following year) for California and June 20 to Feb. 28 for Florida.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 269.—Avocados: Foreign trade, United States, 1973-86

Year beginning July	Imports	Year beginning July	Imports	Year beginning July	Imports
	<i>Metric tons</i>		<i>Metric tons</i>		<i>Metric tons</i>
1973 .....	1,021	1978 <sup>1</sup> .....	1,725	1983 <sup>1</sup> .....	1,872
1974 .....	1,506	1979 <sup>1</sup> .....	1,409	1984 <sup>1</sup> .....	3,107
1975 .....	1,334	1980 <sup>1</sup> .....	1,351	1985 <sup>1</sup> .....	5,099
1976 <sup>1</sup> .....	1,994	1981 <sup>1</sup> .....	760	1986 <sup>1</sup> .....	4,171
1977 <sup>1</sup> .....	3,162	1982 <sup>1</sup> .....	986		

<sup>1</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 270.—Bananas: Area, yield, production, price, and value, Hawaii, 1973-87

Year	Area harvested	Yield per acre	Production	Price per pound	Value	Year	Area harvested	Yield per acre	Production	Price per pound	Value
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1973 .....	660	11.1	7,295	10.6	773	1981 .....	650	9.2	6,000	25.7	1,542
1974 .....	610	10.8	6,600	13.1	865	1982 .....	720	8.0	5,750	28.6	1,645
1975 .....	630	9.8	6,200	13.8	856	1983 .....	860	5.2	4,470	31.2	1,395
1976 .....	560	9.0	5,030	15.5	780	1984 .....	870	10.2	8,900	30.0	2,670
1977 .....	550	10.5	5,800	15.6	905	1985 .....	840	9.7	8,160	30.3	2,472
1978 .....	580	9.8	5,700	18.5	1,055	1986 .....	980	9.9	9,700	30.0	2,910
1979 .....	630	8.8	5,550	20.5	1,138	1987 <sup>1</sup> .....	1,070	10.7	11,400	29.7	3,386
1980 .....	580	7.9	4,600	23.9	1,099						

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 271.—Cherries: Production and value, United States, 1973-87

Year	All varieties			Sweet varieties				Tart varieties			
	Total production	Utilized production	Value	Total production	Utilized production	Season average price per ton <sup>1</sup>	Value	Total production	Utilized production	Season average price per pound <sup>1</sup>	Value
	Tons	Tons	1,000 dollars	Tons	Tons	Dollars	1,000 dollars	Million pounds	Million pounds	Cents	1,000 dollars
1973	245,930	241,330	88,276	158,630	154,630	358.00	55,331	174.6	173.4	19.0	32,945
1974	279,430	279,280	113,025	146,980	146,980	436.00	64,057	264.9	264.6	18.5	48,968
1975	300,960	278,760	88,486	155,710	155,710	407.00	63,398	290.5	246.1	10.2	25,088
1976	245,610	240,380	101,038	172,310	167,080	384.00	64,232	146.6	146.6	25.1	36,806
1977	254,370	253,870	135,363	148,920	148,420	495.00	73,414	210.9	210.9	29.4	61,949
1978	247,380	247,380	187,162	156,780	156,780	688.00	107,828	181.2	181.2	43.8	79,334
1979	269,380	269,230	191,687	184,180	184,030	604.00	111,182	170.4	170.4	47.2	80,505
1980	282,750	276,400	136,955	173,700	168,300	554.00	93,230	218.1	216.2	20.2	43,725
1981	221,140	213,920	160,054	154,540	147,520	685.00	100,994	133.2	132.8	44.5	59,600
1982	312,050	257,060	128,765	156,600	134,610	699.00	94,120	310.9	244.9	14.1	34,645
1983	258,500	245,565	177,794	181,200	168,765	630.00	106,288	154.6	153.6	46.6	71,506
1984	317,600	292,200	164,100	181,800	164,250	609.00	100,096	271.6	255.9	25.0	64,004
1985	275,600	266,600	163,881	132,500	126,500	799.00	101,033	286.2	280.2	22.4	62,848
1986	249,760	245,960	157,039	137,710	136,760	825.00	112,773	224.1	218.4	20.3	44,266
1987 <sup>2</sup>	390,050	351,620	172,702	210,800	208,820	743.00	155,250	358.5	285.6	6.1	17,452

<sup>1</sup> Fresh fruit prices are equivalent packinghouse-door returns for Western States, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. <sup>2</sup> Preliminary. National Agricultural Statistics Service.

Table 272.—Cherries: Production and season average price, by States, 1985-87

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
<b>SWEET VARIETIES</b>									
CA	23,500	8,400	45,000	23,500	8,400	45,000	1,050.00	1,220.00	632.00
ID	2,200	2,300	2,100	2,100	2,300	1,700	983.00	857.00	741.00
MI	31,000	20,000	32,000	31,000	20,000	32,000	500.00	576.00	576.00
MT	4,600	1,600	3,800	3,500	1,000	2,600	644.00	480.00	877.00
NY	1,600	1,700	1,500	1,500	1,400	1,250	670.00	849.00	839.00
OR	29,000	38,000	50,000	27,000	38,000	50,000	621.00	663.00	670.00
PA	500	1,050	600	500	1,000	500	1,310.00	1,270.00	1,480.00
UT	2,200	2,160	1,800	2,100	2,160	1,770	773.00	699.00	687.00
WA	37,900	62,500	74,000	35,300	62,500	74,000	1,030.00	951.00	923.00
Total 9 States	132,500	137,710	210,800	126,500	136,760	208,820	799.00	825.00	743.00
<b>TART VARIETIES</b>									
CO	1.7	.9	2.5	1.7	.9	.8	22.9	39.9	10.1
MI	220.0	170.0	265.0	215.0	165.0	225.0	21.9	19.8	5.5
NY	22.5	13.0	35.0	22.5	12.3	24.4	25.6	23.0	9.5
OR	6.5	6.0	8.0	6.5	6.0	6.2	24.0	16.0	5.5
PA	6.0	12.0	5.0	6.0	12.0	4.3	26.8	25.3	16.4
UT	21.0	18.5	29.0	21.0	18.5	20.0	23.0	19.1	7.2
WI	8.5	3.7	14.0	7.5	3.7	4.9	20.7	21.3	6.0
Total 7 States	286.2	224.1	358.5	280.2	218.4	285.6	22.4	20.3	6.1

<sup>1</sup> Preliminary. <sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. National Agricultural Statistics Service.

Table 273.—Cherries, fresh: Production in specified countries, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>	Continent and country	1985	1986	1987 <sup>1</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:				Europe—Con.			
Canada.....	15.0	8.7	18.0	Italy.....	157.0	145.0	137.0
United States.....	250.0	226.6	353.8	Spain.....	80.0	67.0	66.0
Total.....	265.0	235.3	371.8	Yugoslavia.....	181.7	156.0	175.0
				Total.....	791.5	747.3	764.0
South America:				Asia:			
Argentina.....	5.0	5.0	5.0	Japan.....	23.3	16.7	18.8
Chile.....	8.5	9.5	6.3	Total.....	23.3	16.7	18.8
Total.....	13.5	14.5	11.3	Oceania:			
Europe:				Australia.....	5.1	5.8	6.1
France.....	100.8	91.1	99.5	Total.....	5.1	5.8	6.1
Germany, Fed. Rep. of.....	248.8	249.4	251.7	Total specified countries...	1,098.4	1,019.6	1,172.0
Greece.....	23.2	38.8	34.8				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 274.—Cherries: Foreign trade, United States, 1973-86

Year beginning July	Imports		Domestic exports		Year beginning July	Imports		Domestic exports	
	Natural, sulfured, or in brine	Dried or preserved	Fresh	Canned		Natural, sulfured, or in brine	Dried or preserved	Fresh	Canned
	Metric tons	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	Metric tons	Metric tons
1973.....	417	1,357	5,817	1,117	1981 <sup>1</sup> .....	445	233	9,257	1,881
1974.....	119	1,516	6,995	1,182	1982 <sup>1</sup> .....	942	381	7,831	1,726
1975.....	129	756	6,683	931	1983 <sup>1</sup> .....	1,675	550	7,987	1,767
1976 <sup>1</sup> .....	76	582	5,426	1,417	1984 <sup>1</sup> .....	2,629	1,078	7,103	1,576
1977 <sup>1</sup> .....	103	103	7,200	1,697	1985 <sup>1</sup> .....	4,575	1,889	11,438	2,452
1978 <sup>1</sup> .....	1,164	568	10,686	2,395	1986 <sup>1</sup> .....	1,904	723	23,918	2,640
1979 <sup>1</sup> .....	646	117	9,095	2,677					
1980 <sup>1</sup> .....	297	157	9,597	2,810					

<sup>1</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

## FOOTNOTES FOR TABLE 276

<sup>1</sup> Includes "Home use."<sup>2</sup> Sweet varieties include some quantities used for juice, wine, brandy, freezing, etc.; tart varieties include some quantities used for juice, jam, jelly, brining, etc.<sup>3</sup> Missing data included in other states to avoid disclosure of individual operation.<sup>4</sup> Idaho, Montana, New York, Pennsylvania, and Utah.<sup>5</sup> Colorado, Ohio, Oregon, Pennsylvania, Utah, and Wisconsin.

National Agricultural Statistics Service.

Table 275.—Cherries: Production and utilization, United States,<sup>1</sup> 1973-87

Crop of—	Total production	Utilized production	Utilization of quantities sold			
			Fresh <sup>2</sup>	Processed (fresh basis)		
				Canned <sup>3 4</sup>	Frozen	Brined <sup>5</sup>
<b>SWEET VARIETIES</b>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1973.....	158,630	154,630	82,839	16,948		54,843
1974.....	146,980	146,980	67,516	25,864		53,600
1975.....	155,710	155,710	77,300	14,520		63,890
1976.....	172,310	167,080	94,510	21,180		51,390
1977.....	148,920	148,420	72,320	21,990		54,110
1978.....	156,780	156,780	66,670	28,060		62,050
1979.....	184,180	180,030	86,030	23,300		74,700
1980.....	173,700	168,300	86,460	23,340		59,500
1981.....	154,540	147,520	71,738	20,765		55,017
1982.....	156,600	134,610	67,610	21,350		45,650
1983.....	181,200	168,765	95,090	28,402		45,273
1984.....	181,800	164,250	90,490	23,310		50,450
1985.....	132,500	126,500	53,040	22,050		51,410
1986.....	137,710	136,760	68,620	17,900		50,240
1987 <sup>6</sup> .....	210,800	208,820	104,330	29,950		74,540
<b>TART VARIETIES</b>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1973.....	174.6	173.4	5.4	51.9	116.1	
1974.....	264.9	264.6	4.4	97.6	162.6	
1975.....	290.5	246.1	7.2	89.7	149.2	
1976.....	146.6	146.6	6.0	42.4	98.2	
1977.....	210.9	210.9	6.1	65.5	139.3	
1978.....	181.2	181.2	5.0	49.9	126.3	
1979.....	170.4	170.4	4.3	49.8	116.3	
1980.....	218.1	216.2	6.3	74.5	135.4	
1981.....	133.2	132.8	4.0	41.3	87.5	
1982.....	310.9	244.9	7.4	76.7	160.8	
1983.....	154.6	153.6	5.3	43.1	105.2	
1984.....	271.6	265.9	7.9	81.4	166.6	
1985.....	286.2	280.2	7.6	65.8	206.8	
1986.....	224.1	218.4	5.5	53.4	159.5	
1987 <sup>6</sup> .....	358.5	285.6	9.0	88.4	188.2	

<sup>1</sup> California, Colorado, Idaho, Michigan, Montana, New York, Ohio, Oregon, Pennsylvania, Utah, Washington, and Wisconsin. <sup>2</sup> Includes "Home use." <sup>3</sup> For tart varieties, includes small quantities brined or used for juice, wine, preserves, and candied cherries. <sup>4</sup> Sweet varieties, beginning 1971, includes small quantities used for juice, wine, brandy, etc. <sup>5</sup> For sweet varieties, includes small quantities brined or used for juice, wine, etc., through 1970; beginning 1971, brined only. <sup>6</sup> Preliminary.

National Agricultural Statistics Service.

Table 276.—Cherries: Production and utilization, by States, crop of 1987 (preliminary)

Variety and State	Total production	Utilized production	Utilization			
			Fresh <sup>1</sup>	Processed (fresh basis)		
				Canned and otherwise processed <sup>2</sup>	Frozen	Brined
<b>SWEET VARIETIES</b>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
CA.....	45,000	45,000	34,000			
MI.....	32,000	32,000	6,000	9,200 <sup>(3)</sup>		16,800
OR.....	50,000	50,000	9,000			33,000
WA.....	74,000	74,000	49,500	12,000		12,500
Other States <sup>4</sup> .....	9,800	7,820	5,830	750		12,240
US.....	210,800	208,820	104,330	29,950		74,540
<b>TART VARIETIES</b>						
MI.....	265.0	225.0	5.0	70.0	150.0	
Other States <sup>5</sup> .....	93.5	60.6	4.0	18.4	38.2	
US.....	358.5	285.6	9.0	88.4	188.2	

See footnotes on page 196.





Table 278.—Citrus fruits: Production and season average returns per box, by States, 1984-85 to 1986-87

Crop and State	Production of crop for season <sup>1</sup> of—			Price <sup>3</sup> of crop for season of—		
	1984-85	1985-86	1986-87 <sup>2</sup>	1984-85	1985-86	1986-87 <sup>2</sup>
<b>ORANGES</b>						
Early, midseason, and navel varieties: <sup>4</sup>	1,000 boxes	1,000 boxes	1,000 boxes	Dollars	Dollars	Dollars
AZ.....	650	600	950	12.11	9.18	7.70
CA.....	26,200	33,300	34,500	11.36	7.15	7.04
FL.....	55,000	64,200	65,800	9.15	5.92	6.12
TX.....	0	200	500	0.00	11.28	10.95
<b>Valencia:</b>						
AZ.....	1,800	1,700	2,200	8.53	6.02	5.32
CA.....	26,200	20,900	24,000	7.95	6.17	7.49
FL.....	48,900	55,000	53,900	8.73	5.97	7.64
TX.....	0	110	375	0.00	8.30	5.64
Total Valencia <sup>5</sup> .....	76,700	77,710	80,475	8.49	6.02	5.93
<b>All oranges:</b>						
AZ.....	2,450	2,300	3,150	9.48	6.85	6.04
CA.....	52,400	53,900	58,500	9.66	6.77	7.22
FL.....	103,900	119,200	119,700	8.95	5.94	6.80
TX.....	0	310	875	0.00	10.22	8.68
US, all oranges <sup>5</sup> .....	158,750	175,710	182,225	9.16	6.18	6.92
<b>GRAPEFRUIT</b>						
AZ.....	3,000	2,400	2,200	5.65	4.83	5.06
CA, all.....	8,800	8,100	9,100	7.16	7.33	6.51
Desert.....	3,800	3,600	4,200	6.83	6.81	5.59
Other areas.....	5,000	4,500	4,900	7.40	7.73	7.27
FL, all.....	44,000	46,750	49,800	5.20	5.71	6.58
Colored seedless.....	16,300	18,000	20,000	6.36	6.60	7.38
White seedless.....	24,800	25,600	26,900	4.56	5.20	6.06
Other.....	2,900	3,150	2,900	4.08	4.87	5.85
TX.....	0	220	1,925	0.00	9.44	8.19
US, all grapefruit <sup>5</sup> .....	55,800	57,470	63,025	5.47	5.88	6.58
<b>LEMONS</b>						
AZ.....	6,000	3,250	7,100	4.59	15.03	4.11
CA.....	19,800	15,100	21,500	7.10	11.29	7.11
US, lemons <sup>5</sup> .....	25,800	18,350	28,600	6.51	11.95	6.37
<b>LIMES</b>						
FL.....	1,640	1,725	1,450	12.13	12.70	13.50
<b>TANGELOS</b>						
FL.....	3,600	2,950	4,000	9.54	6.49	6.07
<b>TANGERINES</b>						
AZ.....	700	700	700	12.42	11.78	12.19
CA.....	1,680	1,800	2,230	12.51	12.12	11.36
FL.....	1,050	1,950	2,340	16.61	14.80	14.19
US, tangerines <sup>5</sup> .....	3,430	4,450	5,270	14.28	13.24	12.72
<b>TEMPLES</b>						
FL.....	3,250	2,950	3,400	8.07	5.44	6.03

<sup>1</sup> Season begins with the bloom of the first year shown and ends with completion of harvest the following year. For oranges, harvest in California usually starts in late October of the first year shown and continues into December of the following year. In other States, harvest of oranges begins about Oct. 1 and ends in early summer. Grapefruit harvest for the California desert and for all other States begins in the fall and ends by early summer. Harvest of other California grapefruit begins in March of the year after bloom through October. California lemons are harvested from Aug. 1 to July 31; Arizona lemons are harvested from Aug. 15 to Mar. 1. Florida limes are picked mostly from April through March. Florida tangelos are harvested largely from October through April.

<sup>2</sup> Preliminary.

<sup>3</sup> Equivalent returns per box at the intake packinghouse-door for all methods of sale.

<sup>4</sup> Navel and miscellaneous varieties in Arizona and California; early and midseason varieties in Florida and Texas, including small quantities of tangerines in Texas.

<sup>5</sup> Net content of box varies. Approximate averages are as follows: Oranges—Arizona and California, 75 pounds; Florida, 90 pounds; and Texas, 85 pounds; grapefruit—Arizona and California desert, 64 pounds; other California areas, 67 pounds; Florida, 85 pounds; Texas, 88 pounds; lemons—76 pounds; limes—85 pounds; tangelos—90 pounds; tangerines—Arizona and California, 75 pounds; Florida, 95 pounds; and temples—90 pounds.

National Agricultural Statistics Service.

Table 279.—Citrus fruits: Production in specified countries, 1985-86 to 1987-88 <sup>1</sup>

Commodity and country	1985-86	1986-87	1987-88 <sup>2</sup>	Commodity and country	1985-86	1986-87	1987-88 <sup>2</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Oranges:</b>				<b>Grapefruit:</b>			
Mexico.....	1,410	1,480	1,720	Mexico.....	82	91	105
United States <sup>3</sup> .....	6,913	7,158	7,949	United States.....	2,122	2,323	2,541
Argentina.....	623	630	600	Argentina.....	178	160	150
Brazil.....	10,792	10,975	11,340	Brazil.....	21	27	29
Chile.....	73	75	80	Uruguay.....	6	7	7
Uruguay.....	90	95	95	Cuba.....	237	220	220
Cuba.....	390	410	440	Greece.....	5	6	4
Greece.....	554	881	460	Egypt.....	2	2	2
Italy.....	2,257	2,260	1,600	Italy.....	8	8	8
Spain.....	1,942	2,023	2,181	Spain.....	13	18	16
Cyprus.....	157	164	155	Cyprus.....	93	106	96
Gaza Strip.....	113	146	135	Gaza Strip.....	13	15	14
Israel.....	685	861	770	Israel.....	371	385	380
Lebanon.....	215	215	215	Lebanon.....	20	20	20
Turkey.....	550	700	600	Turkey.....	24	30	25
Egypt.....	1,168	1,235	1,300	Morocco.....	6	4	4
Morocco.....	841	650	814	South Africa.....	99	121	115
South Africa.....	497	625	625	Australia.....	32	30	33
Australia.....	494	470	546	<b>Total.....</b>	<b>3,332</b>	<b>3,573</b>	<b>3,769</b>
Japan.....	63	62	63				
<b>Total.....</b>	<b>29,827</b>	<b>31,115</b>	<b>31,688</b>	<b>Lemons:</b>			
<b>Tangerines:</b>				Mexico.....	9	9	9
Mexico.....	123	131	151	United States.....	632	986	776
United States <sup>4</sup> .....	290	363	343	Argentina.....	450	440	370
Argentina.....	243	260	200	Brazil <sup>5</sup> .....	16	16	16
Brazil <sup>5</sup> .....	486	479	470	Chile.....	70	64	68
Uruguay.....	48	50	50	Uruguay.....	46	48	17
Cuba.....	32	30	30	Greece.....	186	168	88
Greece.....	54	68	52	Egypt.....	1	2	2
Italy.....	500	548	331	Italy.....	800	813	630
Spain.....	1,050	1,166	1,000	Spain.....	482	645	544
Cyprus.....	5	5	6	Cyprus.....	54	57	53
Israel.....	123	132	130	Gaza Strip.....	15	15	14
Lebanon.....	35	35	35	Israel.....	50	63	60
Turkey.....	257	300	310	Lebanon.....	35	35	35
Egypt.....	106	117	125	Turkey.....	180	250	220
Morocco.....	347	290	303	Morocco.....	17	20	20
South Africa.....	2,870	2,542	2,935	South Africa.....	57	66	60
Australia.....	32	30	39	Australia.....	41	39	47
<b>Total.....</b>	<b>6,601</b>	<b>6,546</b>	<b>6,510</b>	<b>Total.....</b>	<b>3,141</b>	<b>3,736</b>	<b>3,029</b>

<sup>1</sup> Split years refer to harvest periods which usually begin in the fall and extend through the following spring. This corresponds roughly with October-June in the Northern Hemisphere and April-December of the second year shown in the Southern Hemisphere.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes temple oranges.

<sup>4</sup> Includes tangelos.

<sup>5</sup> Sao Paulo only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information. U.S. data are from USDA Crop Reporting Board.

Table 280.—Canned citrus juices, single-strength: United States packs, 1973-86

Season	Orange juice				Blended orange and grapefruit juice				Tangerine and tangerine blends
	Florida	California and Arizona	Texas	Total	Florida	California and Arizona	Texas	Total	
	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>	<i>1,000 cases</i> <sup>1</sup>
1973.....	10,885	1,676	1,258	13,819	1,782	145	56	1,983	18
1974.....	10,787	1,115	1,441	13,293	1,493	113	117	1,723	12
1975.....	10,635	1,570	1,256	13,461	1,687	144	938	2,769	19
1976.....	10,767	1,183	2,485	14,435	1,308	187	89	1,584	35
1977.....	11,654	1,748	2,427	15,829	1,664	194	87	1,945	8
1978.....	13,222	2,795	2,209	18,226	1,255	95	80	1,430	19
1979.....	13,869	2,079	2,419	18,367	1,314	138	82	1,534	17
1980.....	13,012	2,397	2,195	17,604	984	51	47	1,082	9
1981.....	11,504	1,169	1,057	13,730	727	43	42	812	6
1982.....	9,802	( <sup>3</sup> )	( <sup>3</sup> )	* 9,802	650	( <sup>3</sup> )	( <sup>3</sup> )	* 650	4
1983.....	9,084	( <sup>3</sup> )	( <sup>3</sup> )	* 9,084	555	( <sup>3</sup> )	( <sup>3</sup> )	* 555	( <sup>2</sup> )
1984.....	7,425	( <sup>3</sup> )	( <sup>3</sup> )	* 7,425	615	( <sup>3</sup> )	( <sup>3</sup> )	* 615	1
1985.....	7,596	( <sup>3</sup> )	( <sup>3</sup> )	* 7,596	577	( <sup>3</sup> )	( <sup>3</sup> )	* 577	( <sup>2</sup> )
1986.....	8,122	( <sup>3</sup> )	( <sup>3</sup> )	* 8,122	533	( <sup>3</sup> )	( <sup>3</sup> )	* 533	( <sup>2</sup> )

<sup>1</sup> Equivalent cases of 24 No. 2 cans.

<sup>2</sup> Pack data not available.

<sup>3</sup> Not available.

<sup>4</sup> Florida only.

Economic Research Service. Based on data obtained from various canners' associations and individual canners.

Table 281.—Concentrated citrus juices: Annual packs, Florida, 1973-86

Season beginning December	Frozen concentrated juice			
	Orange <sup>1</sup>	Grapefruit	Tangerine	Blend
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
1973.....	171,846	9,026	1,019	11
1974.....	178,174	7,847	1,147	4
1975.....	186,265	9,316	1,111	1
1976.....	158,035	11,258	926	18
1977.....	161,204	13,693	1,672	1
1978.....	173,100	14,243	1,367	3
1979.....	231,257	19,443	2,142	1
1980.....	174,537	20,763	1,175	3
1981.....	133,294	21,869	924	18
1982.....	169,577	14,483	505	1
1983.....	121,216	19,291	887	( <sup>2</sup> )
1984.....	113,472	24,802	797	( <sup>2</sup> )
1985.....	132,405	24,162	1,029	( <sup>2</sup> )
1986.....	145,056	28,875	471	( <sup>2</sup> )

<sup>1</sup> Frozen orange juice reported in 45.0° Brix through 1978; 43.4° Brix for 1979-80; and 42.0° Brix thereafter. Includes concentrated juice for manufacture.

<sup>2</sup> Not available.

Economic Research Service. Based on data obtained from Florida Citrus Processors' Association.

## FOOTNOTES FOR TABLE 277

<sup>1</sup> See footnote 1, table 278.

<sup>2</sup> Equivalent returns per box at the intake packinghouse door for all methods of sale.

<sup>3</sup> Includes quantities used for juice, concentrates, grapefruit segments, and other citrus products. In some seasons, includes appreciable quantities of oranges and lemons in California delivered to processing plants which were not utilized, but for which growers received payment.

<sup>4</sup> Includes small quantities of tangerines in Texas. Excludes Florida temples.

<sup>5</sup> Preliminary.

<sup>6</sup> 1984-85, 1985-86 and 1986-87 include honey tangerines grown in Florida.

National Agricultural Statistics Service.

Table 282.—Grapefruit sections and single-strength juice, canned: Annual pack by producing areas, 1973-86

Season	Sections, Florida	Juice (single-strength)			
		Florida	Texas	California and Arizona	Total
	1,000 cases <sup>1</sup>	1,000 cases <sup>1</sup>	1,000 cases <sup>1</sup>	1,000 cases <sup>1</sup>	1,000 cases <sup>1</sup>
1973.....	3,027	20,576	6,013	2,412	29,001
1974.....	2,236	16,394	2,789	2,446	21,829
1975.....	1,602	18,890	4,030	2,901	25,821
1976.....	1,722	18,809	5,867	3,013	27,589
1977.....	1,753	17,246	4,690	4,448	26,879
1978.....	1,823	16,764	3,462	4,949	25,175
1979.....	1,966	16,604	3,606	4,018	24,228
1980.....	1,671	14,231	2,005	3,193	19,429
1981.....	1,343	15,724	1,894	2,811	20,429
1982.....	1,235	11,651	( <sup>2</sup> )	( <sup>2</sup> )	11,651
1983.....	( <sup>2</sup> )	9,513	( <sup>2</sup> )	( <sup>2</sup> )	9,513
1984.....	( <sup>2</sup> )	10,552	( <sup>2</sup> )	( <sup>2</sup> )	<sup>3</sup> 10,552
1985.....	( <sup>2</sup> )	9,948	( <sup>2</sup> )	( <sup>2</sup> )	<sup>3</sup> 9,948
1986.....	( <sup>2</sup> )	9,027	( <sup>2</sup> )	( <sup>2</sup> )	<sup>3</sup> 9,027

<sup>1</sup> Equivalent cases of 24 No. 2 cans.<sup>2</sup> Not available.<sup>3</sup> Florida only.

Economic Research Service. Based on data obtained from various canners' associations and individual canners.

Table 283.—Citrus juice: United States exports by kind, 1973/74-1986/87

Year beginning November	Orange juice			Grapefruit juice		
	Single strength	Concentrate		Single strength	Concentrate	
		Hot pack	Frozen		Hot pack	Frozen
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
1973/74.....	10,083	1,395	11,973	4,965	310	1,155
1974/75.....	9,734	931	12,636	4,850	213	1,214
1975/76.....	10,693	1,354	15,161	5,115	306	1,292
1976/77.....	10,472	1,663	17,086	5,445	310	1,988
1977/78.....	9,819	( <sup>1</sup> )	( <sup>1</sup> )	4,358	( <sup>1</sup> )	( <sup>1</sup> )
1978/79.....	8,827	( <sup>1</sup> )	( <sup>1</sup> )	3,832	( <sup>1</sup> )	( <sup>1</sup> )
1979/80.....	10,105	( <sup>1</sup> )	( <sup>1</sup> )	3,977	( <sup>1</sup> )	( <sup>1</sup> )
1980/81.....	9,282	<sup>2</sup> 6,763	<sup>2</sup> 74,563	3,834	<sup>2</sup> 1,906	<sup>2</sup> 13,839
1981/82.....	7,678	<sup>2</sup> 7,028	<sup>2</sup> 63,291	3,119	<sup>2</sup> 1,637	<sup>2</sup> 13,652
1982/83.....	6,834	<sup>2</sup> 5,942	<sup>2</sup> 69,659	2,966	<sup>2</sup> 1,379	<sup>2</sup> 9,752
1983/84.....	5,356	<sup>2</sup> 4,324	<sup>2</sup> 65,716	1,756	<sup>2</sup> 1,532	<sup>2</sup> 12,259
1984/85.....	6,075	<sup>2</sup> 3,736	<sup>2</sup> 47,372	1,575	<sup>2</sup> 1,556	<sup>2</sup> 10,951
1985/86.....	3,534	<sup>2</sup> 3,479	<sup>2</sup> 37,376	1,482	<sup>2</sup> 2,197	<sup>2</sup> 8,970
1986/87.....	4,495	<sup>2</sup> 3,586	<sup>2</sup> 50,199	2,107	<sup>2</sup> 1,782	<sup>2</sup> 12,800

<sup>1</sup> Omitted because data misleading. Reporting of concentrated juices was changed from concentrated to single-strength gallons in January 1978, but some custom ports inadvertently failed to do so until later in the year.<sup>2</sup> Single strength equivalent.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 284.—Oranges, fresh: <sup>1</sup> United States exports by country of destination, 1984-86

Country of destination	Year beginning November			Country of destination	Year beginning November		
	1984	1985	1986		1984	1985	1986
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				French West Indies .....	23	3	22
Belgium and Luxembourg..	219	641	2,143	Netherlands Antilles .....	124	8	30
Denmark .....	17	50	194	Other countries .....	5	0	1
France .....	890	1,099	1,589	Total .....	300	49	107
Germany, Fed. Rep. of.....	17	53	68	Other countries:			
Iceland.....	0	126	0	Australia.....	7,074	7,140	6,601
Netherlands .....	7,488	3,692	11,706	Canada .....	125,199	112,225	110,808
Norway .....	212	421	186	Taiwan .....	1,706	1,887	7,205
Sweden .....	94	900	2,278	French Pacific Islands .....	231	262	358
United Kingdom .....	272	1,183	1,703	Hong Kong.....	112,980	125,736	108,917
Other countries .....	4	113	143	Indonesia .....	0	19	0
Total .....	9,213	8,278	20,010	Japan.....	111,490	108,734	121,299
Latin America:				Korea, Rep. of.....	210	148	171
Mexico.....	953	513	414	Malaysia .....	13,625	8,676	8,767
Other countries .....	2	46	42	New Zealand.....	3,549	3,242	2,804
Total .....	955	559	456	Philippines.....	0	22	0
Bermuda and Caribbean:				Singapore.....	20,733	17,037	13,811
Bahamas .....	25	2	30	Other countries .....	201	148	228
Barbados.....	109	34	24	Total .....	396,998	385,276	375,969
Bermuda .....	14	2	0	Grand total.....	407,466	394,162	396,542

<sup>1</sup> Includes temple oranges.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 285.—Fresh citrus fruits: Foreign trade, United States, 1973-86

Year <sup>1</sup>	Oranges		Grapefruit		Lemons		Limes		Tangerines	
	Imports	Domes- tic exports	Imports	Domes- tic exports	Imports	Domes- tic exports	Imports	Domes- tic exports	Imports	Domes- tic exports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	45,682	312,059	6,423	229,008	15	193,362	3,084	1,965	.....	9,183
1974.....	36,252	478,871	4,717	221,838	18	190,675	3,665	2,517	.....	12,955
1975.....	21,473	440,159	4,246	277,547	( <sup>2</sup> )	209,990	4,645	2,999	.....	14,860
1976.....	45,764	407,315	8,891	277,271	166	238,908	7,221	1,999	.....	15,736
1977.....	25,719	337,435	2,867	260,827	28	217,443	11,286	2,551	<sup>3</sup> 6,124	16,994
1978.....	28,536	300,285	2,722	278,443	355	180,498	11,939	3,516	22,616	21,642
1979.....	14,924	459,393	4,215	272,625	55	170,093	17,487	3,453	19,811	19,897
1980.....	7,765	411,608	4,085	297,753	45	175,128	21,253	2,457	12,915	16,030
1981.....	13,681	372,142	997	269,645	5,159	136,081	14,532	3,025	16,810	12,923
1982.....	6,215	440,702	2,070	301,835	1,579	151,891	11,689	2,230	9,882	17,485
1983.....	17,247	383,333	1,306	243,390	5,501	152,673	20,638	2,289	18,452	10,195
1984.....	24,034	395,642	2,312	198,624	6,846	146,997	30,991	2,328	6,895	15,773
1985.....	28,097	401,008	2,625	269,225	12,872	139,910	28,101	2,357	9,144	8,559
1986.....	19,746	399,979	1,769	350,205	8,319	145,968	29,522	4,547	13,706	15,778

<sup>1</sup> Year beginning October for all commodities. Prior to 1976, year beginning November for oranges, tangerines, and lemons; September for grapefruit and July for limes.<sup>2</sup> Less than one metric ton.<sup>3</sup> Beginning 1977, tangerines reported separately.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 286.—Dates: Production, season average price per ton, and value, California, 1973-87**

Year	Production	Price <sup>1</sup>	Value	Year	Production	Price <sup>1</sup>	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	23,100	198	4,574	1981.....	22,300	639	14,250
1974.....	22,700	222	5,039	1982.....	23,900	736	17,590
1975.....	24,800	298	7,390	1983.....	17,000	638	10,846
1976.....	22,400	346	7,750	1984.....	22,200	791	17,560
1977.....	25,400	338	8,585	1985.....	28,900	860	24,854
1978.....	21,550	485	10,452	1986.....	17,800	828	14,738
1979.....	21,300	514	10,948	1987 <sup>2</sup> .....	19,400	819	15,889
1980.....	22,400	634	14,204				

<sup>1</sup> Quantities processed are priced at the equivalent processing plant door level.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 287.—Dates: Foreign trade, United States, 1973-86**

Year beginning July	Imports	Year beginning July	Imports	Year beginning July	Imports
	<i>Metric tons</i>		<i>Metric tons</i>		<i>Metric tons</i>
1973.....	14,201	1978 <sup>1</sup> .....	18,429	1983 <sup>1</sup> .....	10,314
1974.....	11,287	1979 <sup>1</sup> .....	12,905	1984 <sup>1</sup> .....	14,601
1975.....	17,624	1980 <sup>1</sup> .....	1,270	1985 <sup>1</sup> .....	2,833
1977 <sup>1</sup> .....	16,542	1982 <sup>1</sup> .....	9,475	1986 <sup>1</sup> .....	3,059

<sup>1</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 288.—Cranberries: Area, yield, production, season average price per barrel, value and quantities processed, United States, 1973-87 <sup>1</sup>**

Year	Area harvested			Yield per acre <sup>2</sup>			Total production <sup>3</sup>			Utilized production			Price <sup>4</sup>		Value		Quantities processed <sup>5</sup>	
	<i>Acres</i>			<i>Barrels <sup>6</sup></i>			<i>Barrels <sup>6</sup></i>			<i>Barrels <sup>6</sup></i>			<i>Dollars</i>		<i>1,000 dollars</i>		<i>Barrels <sup>6</sup></i>	
1973.....	23,100			90.9			2,100,300			2,100,300			13.50		28,384		1,470,200	
1974.....	23,400			95.6			2,236,000			2,236,000			11.00		24,715		1,486,700	
1975.....	23,300			89.1			2,075,100			2,075,100			13.10		27,112		1,444,200	
1976.....	23,080			104.3			2,407,300			2,407,300			13.50		32,424		1,755,500	
1977.....	22,540			93.3			2,102,200			2,102,200			18.10		38,154		1,454,000	
1978.....	23,120			106.3			2,458,500			2,458,500			21.50		52,903		1,917,700	
1979.....	23,200			106.7			2,475,500			2,475,500			26.70		66,039		2,067,000	
1980.....	23,190			116.3			2,697,500			2,697,500			33.20		89,462		2,259,600	
1981.....	23,150			112.0			2,593,000			2,593,000			41.50		107,494		1,977,100	
1982.....	23,310			130.4			3,039,000			3,039,000			46.70		142,050		2,380,800	
1983.....	23,550			126.8			2,986,000			2,986,000			52.00		155,282		2,588,100	
1984.....	23,820			139.5			3,322,000			3,322,000			54.50		180,940		2,944,500	
1985.....	24,400			142.8			3,485,000			3,485,000			54.50		189,959		3,093,200	
1986.....	24,900			146.2			3,640,000			3,640,000			51.80		188,377		3,157,400	
1987 <sup>7</sup> .....	25,500			130.2			3,321,000			3,321,000							2,969,000	

<sup>1</sup> Estimates relate to Massachusetts, New Jersey, Oregon, Washington, and Wisconsin.<sup>2</sup> Derived from total production.<sup>3</sup> Differences between utilized and total production are quantities unharvested for economic reasons or excess cullage and/or set-aside production under provisions of the Cranberry Marketing Order.<sup>4</sup> Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production.<sup>5</sup> Mainly for canning.<sup>6</sup> Barrels of 100 pounds.<sup>7</sup> Preliminary.

National Agricultural Statistics Service.

**Table 289.—Cranberries: Area, yield, production, and season average price per barrel, by States, 1985-87**

State	Area harvested			Yield per acre			Total production			Price <sup>2</sup> for crop of		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Bbl. <sup>3</sup></i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
MA.....	11,300	11,300	11,800	149.3	160.4	122.8	1,687,000	1,813,000	1,449,000	54.80	51.70	(*)
NJ.....	3,300	3,300	3,200	97.0	98.5	87.5	320,000	325,000	280,000	55.30	52.90	(*)
OR.....	1,100	1,200	1,200	90.9	102.0	120.0	100,000	122,000	144,000	55.50	53.10	(*)
WA.....	1,200	1,200	1,200	123.3	83.3	108.3	148,000	100,000	130,000	55.50	53.10	(*)
WI.....	7,500	7,900	8,100	164.0	162.0	156.0	1,230,000	1,280,000	1,264,000	53.70	51.30	(*)
US.....	24,400	24,900	25,500	142.8	146.2	130.2	3,485,000	3,640,000	3,321,000	54.50	51.80	(*)

<sup>1</sup> Preliminary.<sup>2</sup> Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production.<sup>3</sup> Barrels of 100 pounds.<sup>4</sup> Not available.

National Agricultural Statistics Service.

**Table 290.—Figs: Production, season average price per ton, and value, California, 1973-87**

Year	Dried (dry basis)				Fresh and canned		Total		
	Production			Price	Production (fresh basis)	Price <sup>1</sup>	Production (fresh basis) <sup>2</sup>	Price <sup>1</sup>	Value
	Total	Stand-ard	Substand-ard						
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973 .....	12,420	11,220	1,200	680.00	4,340	267.00	41,600	231.00	9,610
1974 .....	13,130	11,430	1,700	682.00	5,000	284.00	44,600	233.00	10,392
1975 .....	11,610	8,840	2,770	585.00	3,170	236.00	38,000	198.00	7,524
1976 .....	10,070	7,000	3,070	522.00	1,900	271.00	32,100	180.00	5,778
1977 .....	12,700	11,000	1,700	869.00	3,400	345.00	41,500	295.00	12,243
1978 .....	9,300	6,930	2,370	940.00	3,700	352.00	31,600	318.00	10,049
1979 .....	11,640	10,240	1,400	1,217.00	3,800	416.00	38,720	399.00	15,444
1980 .....	14,450	11,400	3,050	888.00	2,100	493.00	45,450	306.00	13,910
1981 .....	12,200	10,150	2,050	961.00	1,600	542.00	38,200	329.00	12,579
1982 .....	12,200	9,650	2,550	820.00	1,100	461.00	37,700	278.00	10,499
1983 .....	11,050	9,000	2,050	600.00	850	426.00	34,000	206.00	6,992
1984 .....	11,500	9,800	1,700	836.00	1,950	442.00	36,450	288.00	10,489
1985 .....	10,400	8,570	1,830	848.00	n.a.	n.a.	31,200	305.00	9,942
1986 .....	15,800	12,050	3,750	727.00	n.a.	n.a.	47,400	282.00	13,754
1987 .....	15,900	13,200	2,700	887.00	n.a.	n.a.	47,700	310.00	15,313

<sup>1</sup> Quantities processed are priced at the equivalent processing plant door level.<sup>2</sup> Dried figs converted to fresh basis at ratio of 3 pounds fresh to 1 pound dried.

n.a. not available.

National Agricultural Statistics Service.

**Table 291.—Figs, dried: Foreign trade, United States, 1973-86**

Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
1973 .....	1,416	1,310	1978 <sup>1</sup> .....	3,387	1,472	1983 <sup>1</sup> .....	2,745	995
1974 .....	1,130	740	1979 <sup>1</sup> .....	1,975	1,645	1984 <sup>1</sup> .....	3,132	1,293
1975 .....	1,773	1,002	1980 <sup>1</sup> .....	1,843	1,388	1985 <sup>1</sup> .....	3,367	735
1976 <sup>1</sup> .....	3,211	711	1981 <sup>1</sup> .....	2,068	1,241	1986 <sup>1</sup> .....	2,740	612
1977 <sup>1</sup> .....	3,368	1,310	1982 <sup>1</sup> .....	2,517	731			

<sup>1</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.



Table 292.—Grapes: Production, value, and raisin production, United States, 1973-87

Year	Grapes				Raisins, production (California) <sup>2</sup>	Year	Grapes				Raisins, production (California) <sup>2</sup>
	Production (fresh basis)		Season average price per ton <sup>1</sup>	Value			Production (fresh basis)		Season average price per ton <sup>1</sup>	Value	
	Total	Utilized					Total	Utilized			
	1,000 tons	1,000 tons	Dol-lars	1,000 dollars	1,000 tons	1,000 tons	1,000 tons	Dol-lars	1,000 dollars	1,000 tons	
1973 .....	4,198	4,198	162.00	681,675	224	1981 .....	4,458	4,458	297.00	1,323,513	256
1974 .....	4,199	4,199	139.00	582,289	242	1982 <sup>3</sup> .....	6,555	5,865	232.00	1,358,896	292
1975 .....	4,366	4,365	142.00	618,178	283	1983 <sup>3</sup> .....	5,506	5,360	199.00	1,064,763	396
1976 <sup>3</sup> .....	4,398	4,093	155.00	635,570	283	1984 <sup>3</sup> .....	5,194	5,169	190.00	980,696	355
1977 .....	4,298	4,296	194.00	835,299	248	1985 .....	5,607	5,607	171.00	959,108	346
1978 <sup>3</sup> .....	4,567	4,318	233.00	1,005,794	229	1986 .....	5,226	5,225	224.00	1,170,055	277
1979 .....	4,989	4,989	236.00	1,179,238	302	1987 <sup>4</sup> .....	5,264	5,250	259.00	1,361,062	356
1980 .....	5,595	5,595	240.00	1,341,092	309						

<sup>1</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. <sup>2</sup> Dried basis; 1 ton of raisins equivalent to about 4-5 tons of fresh grapes. Excludes table varieties dried. <sup>3</sup> Difference between total and utilized production reflects loss of California raisins laid but not harvested due to severe weather damage: 1976-65,000 tons (293,000 tons fresh equivalent); 1978-56,300 tons (248,000 tons fresh equivalent); and total U.S. grape loss, 1982-690,200 tons fresh equivalent; 1983-145,500 tons fresh equivalent; 1984-25,100 tons fresh equivalent. <sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 293.—Grapes: Production and season average price per ton, by States, 1985-87

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
AZ .....	18,500	23,000	31,000	18,500	23,000	21,000	968.00	1,090.00	1,010.00
AR .....	8,000	6,000	5,000	7,900	5,500	5,000	129.00	212.00	269.00
CA:									
All varieties <sup>3</sup> .....	5,207,000	4,770,000	4,660,000	5,207,000	4,770,000	4,660,000	168.00	221.00	259.00
Wine varieties .....	2,140,000	2,105,000	1,950,000	2,140,000	2,105,000	1,950,000	184.00	207.00	248.00
Table varieties .....	580,000	620,000	510,000	580,000	620,000	510,000	230.00	306.00	426.00
Raisin varieties <sup>3</sup> <sup>4</sup> .....	2,487,000	2,045,000	2,200,000	2,487,000	2,045,000	2,200,000	141.00	209.00	229.00
Dried <sup>5</sup> .....	346,000			346,000			612.00		
Not dried .....	930,000			930,000			149.00		
GA .....	2,100	2,000	2,700	2,100	2,000	2,700	494.00	792.00	870.00
MI .....	51,000	32,000	60,000	51,000	32,000	60,000	215.00	247.00	260.00
MO .....	900	2,900	2,750	900	2,900	2,750	362.00	310.00	351.00
NY .....	144,000	164,000	178,000	144,000	164,000	178,000	147.00	201.00	228.00
NC .....	1,500	1,500	1,800	1,500	1,400	1,800	316.00	385.00	360.00
OH .....	7,000	8,000	10,000	7,000	8,000	10,000	135.00	220.00	216.00
PA .....	50,000	60,000	62,500	50,000	60,000	62,500	148.00	180.00	235.00
SC .....	600	500	700	600	500	700	372.00	352.00	344.00
WA .....	116,100	156,000	249,500	116,100	156,000	246,000	178.00	238.00	225.00
US .....	5,606,700	5,225,900	5,263,950	5,606,600	5,225,300	5,250,450	171.00	224.00	259.00

<sup>1</sup> Preliminary. <sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. <sup>3</sup> Price derived from unrounded data. <sup>4</sup> Fresh equivalent of dried and not dried. <sup>5</sup> Dried basis: 1 ton of raisins is equivalent to 4.50 tons for 1985, 4.26 tons for 1986, and 4.02 tons for 1987.

National Agricultural Statistics Service.

Table 294.—Grapes: Production and utilization, United States, 1973-87

Crop of—	Total production	Utilized production	Utilization of quantities sold				
			Fresh <sup>1</sup>	Processed (fresh basis)			
				Canned	Dried	Crushed for wine	Crushed for juice, etc. <sup>2</sup>
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
1973.....	4,198,350	4,198,350	405,805	59,000	969,300	2,567,328	196,917
1974.....	4,198,800	4,198,800	434,490	61,200	1,023,800	2,415,711	263,599
1975.....	4,366,350	4,365,070	498,190	52,700	1,252,400	2,275,480	286,300
1976 <sup>3</sup> .....	4,398,330	4,092,980	466,330	48,000	982,500	2,321,710	274,440
1977.....	4,297,750	4,296,200	481,350	54,000	1,134,000	2,411,500	215,350
1978.....	4,566,700	4,317,800	437,250	55,000	759,000	2,671,450	395,100
1979.....	4,989,000	4,988,700	524,100	60,000	1,380,900	2,713,100	310,600
1980.....	5,595,200	5,594,900	569,090	63,000	1,620,000	2,996,300	346,510
1981.....	4,458,200	4,457,600	526,490	42,000	1,032,000	2,521,550	335,560
1982 <sup>4</sup> .....	6,555,100	5,864,900	706,380	35,000	1,547,500	3,227,300	348,720
1983.....	5,505,700	5,360,200	671,090	35,000	1,785,000	2,422,700	446,410
1984.....	5,139,900	5,168,800	676,890	30,000	1,392,500	2,698,150	376,260
1985.....	5,606,700	5,606,600	781,090	45,000	1,565,700	2,919,310	295,500
1986.....	5,225,300	5,225,300	779,420	40,000	1,188,500	2,907,520	309,860
1987 <sup>4</sup> .....	5,263,950	5,250,450	716,320	40,000	1,439,000	2,647,610	407,520

<sup>1</sup> Includes "Home use." <sup>2</sup> Mostly juice, but includes some quantities used for jam, jelly, etc. <sup>3</sup> Total production includes loss for California raisin variety grapes laid to raisins but not harvested due to severe weather damage: 1976—293,000 fresh tons, 1978—248,000 fresh tons. California all grapes, 1982—690,000, 1983—145,000.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 295.—Grapes: Production and utilization, by States, crop of 1987 (preliminary)

State	Total production	Utilized production	Utilization				
			Fresh <sup>1</sup>	Processed (fresh basis)			
				Canned	Dried <sup>2</sup>	Crushed for—	
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
AZ.....	31,000	21,000	20,480				
CA:							
All varieties.....	4,660,000	4,660,000	685,000	40,000	1,439,000	2,496,000	
Wine varieties.....	1,950,000	1,950,000	55,000			1,895,000	
Table varieties.....	510,000	510,000	340,000		9,000	161,000	
Raisin varieties.....	2,200,000	2,200,000	290,000	40,000	1,430,000	440,000	
MI.....	60,000	60,000	1,500			2,000	56,500
NY.....	178,000	178,000	4,500			95,400	78,100
OH.....	10,000	10,000	200			1,500	8,300
PA.....	62,500	62,500	1,100			7,500	53,900
WA.....	249,500	246,000	400			40,500	205,100
Other States <sup>4</sup> .....	12,950	12,950	3,140			4,710	5,620
US.....	5,263,950	5,250,450	716,320	40,000	1,439,000	2,647,610	407,520

<sup>1</sup> Includes "Home use." <sup>2</sup> Equivalent raisins produced (dried basis): 356,000 tons. <sup>3</sup> Mostly juice, but includes some quantities used for jam, jelly, etc. <sup>4</sup> Arkansas, Georgia, Missouri, North Carolina, and South Carolina.

National Agricultural Statistics Service.

**Table 296.—Raisins and currants: United States exports by country of destination, 1984/85-1986/87**

Country of destination	Year beginning September			Country of destination	Year beginning September		
	1984/85	1985/86	1986/87		1984/85	1985/86	1986/87
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Europe:</b>				<b>Bermuda and Caribbean:</b>			
Austria.....	29	133	124	Bahamas.....	54	29	55
Belgium and Luxembourg....	1,357	1,163	2,382	Bermuda.....	67	75	49
Denmark.....	2,370	3,975	5,199	Dominican Republic.....	68	204	199
Finland.....	1,556	1,795	2,732	Haiti.....	5	1	2
France.....	446	317	357	Jamaica.....	19	2	5
Germany, Fed. Rep. of.....	3,813	5,427	8,103	Netherlands Antilles.....	48	88	41
Iceland.....	50	150	138	Trinidad and Tobago.....	103	139	95
Ireland.....	1	74	202	Other countries.....	1	6	6
Netherlands.....	2,713	3,995	3,736	<b>Total.....</b>	<b>365</b>	<b>544</b>	<b>452</b>
Norway.....	1,756	2,296	2,195				
Sweden.....	3,697	4,993	4,911	<b>Other countries:</b>			
Switzerland.....	450	443	513	Australia.....	1,315	526	126
United Kingdom.....	6,454	11,933	14,588	Canada.....	3,145	3,439	3,335
Other countries.....	96	221	133	Hong Kong.....	676	815	531
<b>Total.....</b>	<b>24,788</b>	<b>36,915</b>	<b>45,313</b>	Indonesia.....	127	71	171
				Israel.....	180	467	608
<b>Latin America:</b>				Japan.....	17,411	21,528	19,304
Brazil.....	97	286	500	Korea, Rep. of.....	1,942	1,216	2,959
Colombia.....	32	328	135	Malaysia.....	663	752	884
Costa Rica.....	9	7	10	New Zealand.....	807	1,177	944
Ecuador.....	0	3	4	Philippines.....	274	628	430
El Salvador.....	32	12	6	Saudi Arabia.....	709	961	295
Guatemala.....	23	5	14	Singapore.....	786	1,224	1,107
Honduras.....	5	7	13	Taiwan.....	1,924	2,334	2,740
Mexico.....	4	4	24	Thailand.....	91	58	73
Panama.....	431	518	471	Other countries.....	2,177	802	161
Venezuela.....	1,286	1,137	908	<b>Total.....</b>	<b>32,227</b>	<b>35,998</b>	<b>33,668</b>
Other countries.....	12	7	8	<b>Grand total.....</b>	<b>59,311</b>	<b>75,771</b>	<b>81,526</b>
<b>Total.....</b>	<b>1,981</b>	<b>2,314</b>	<b>2,093</b>				

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 297.—Grapes and raisins: Foreign trade, United States 1973-86**

Year	Grapes		Raisin <sup>1</sup>		Year	Grapes		Raisin <sup>1</sup>	
	Imports, fresh	Domestic exports, fresh	Imports for consumption	Domestic exports		Imports, fresh	Domestic exports, fresh	Imports for consumption	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	13,592	103,521	1,252	48,822	1981 <sup>2</sup> .....	95,019	97,654	617	56,734
1974.....	19,234	105,284	25	54,227	1982 <sup>2</sup> .....	127,711	129,340	5,298	58,010
1975.....	21,750	109,425	296	64,873	1983 <sup>2</sup> .....	145,649	111,165	2,737	56,495
1976 <sup>2</sup> .....	30,409	89,631	11,923	37,039	1984 <sup>2</sup> .....	194,068	88,135	675	65,728
1977 <sup>2</sup> .....	28,094	102,154	998	56,870	1985 <sup>2</sup> .....	201,201	102,859	4,451	82,093
1978 <sup>2</sup> .....	43,245	124,654	16,392	21,812	1986 <sup>2</sup> .....	247,846	114,060	6,954	92,916
1979 <sup>2</sup> .....	44,571	93,253	321	77,823					
1980 <sup>2</sup> .....	57,451	135,945	2	68,907					

<sup>1</sup> Raisins converted to sweatbox or production basis by multiplying by 1.08.

<sup>2</sup> Year beginning October for both grapes and raisins. Prior to 1976, year beginning for grapes; September for raisins.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 298.—Nectarines: Production, utilization, and value, California, 1973-87**

Crop of—	Production	Utilization		Price per ton <sup>2</sup>	Value
		Fresh <sup>1</sup>	Processed (fresh basis)		
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973 .....	86,500	85,600	900	255.00	22,058
1974 .....	117,000	115,800	1,400	228.00	26,676
1975 .....	111,000	110,000	1,000	275.00	30,525
1976 .....	128,000	127,500	500	245.00	31,360
1977 .....	155,000	155,000	.....	205.00	31,775
1978 .....	148,000	144,700	3,300	307.00	45,436
1979 .....	172,000	171,000	1,000	197.00	33,884
1980 .....	191,000	190,500	500	231.00	44,045
1981 .....	182,000	181,500	500	229.00	41,510
1982 .....	178,000	175,900	2,100	249.00	44,254
1983 .....	185,000	183,300	1,200	300.00	55,374
1984 .....	183,000	182,800	200	316.00	57,779
1985 .....	210,000	208,000	2,000	327.00	68,723
1986 .....	172,000	170,000	2,000	440.00	75,720
1987 <sup>3</sup> .....	191,000	190,500	500	343.00	65,545

<sup>1</sup> Includes "Home use."<sup>2</sup> Processing fruit prices are equivalent returns at processing plant door.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 299.—Olives: Production, value, and utilization, California, 1973-87**

Year	Production <sup>1</sup>	Season average price per ton <sup>2</sup>	Value	Utilization		
				Crushed for oil <sup>3</sup>	Canned	Other <sup>4</sup>
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1973 .....	70,000	392.00	27,440	4,300	54,300	11,400
1974 .....	58,500	434.00	25,389	3,100	46,700	8,700
1975 .....	67,000	336.00	22,512	3,800	53,300	9,900
1976 .....	80,000	330.00	26,400	3,700	65,500	10,800
1977 .....	43,000	403.00	17,329	2,300	32,300	8,400
1978 .....	126,000	303.00	38,178	7,300	99,100	19,600
1979 .....	62,000	408.00	25,296	1,600	52,300	8,100
1980 .....	109,000	368.00	40,137	3,500	76,800	28,700
1981 .....	44,900	695.00	31,222	2,000	37,900	5,000
1982 .....	146,500	517.00	75,795	2,500	98,000	46,000
1983 .....	61,000	519.00	31,641	600	48,000	12,400
1984 .....	90,600	557.00	50,441	2,900	76,700	10,600
1985 .....	96,000	566.00	54,303	5,800	76,700	13,600
1986 .....	111,500	594.00	66,184	6,000	85,000	20,000
1987 <sup>5</sup> .....	67,500	622.00	41,991	3,000	55,000	9,000

<sup>1</sup> Production is the quantity sold or utilized.<sup>2</sup> Quantities processed are priced at the equivalent processing plant door level.<sup>3</sup> About 40 gallons of oil are obtained from 1 ton of olives.<sup>4</sup> Includes Spanish, Greek, and Sicilian styles, halved and chopped, minced, brined, other cures, and a small amount shipped fresh.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

Table 300.—Olives and olive oil: Foreign trade, United States, 1973-86

Year beginning July	Imports				Year beginning July	Imports			
	Olives		Olive oil			Olives		Olive oil	
	In brine	Dried	Edible	Inedible		In brine	Dried	Edible	Inedible
	1,000 gallons	1,000 pounds	1,000 pounds	1,000 pounds		1,000 gallons	1,000 pounds	1,000 pounds	1,000 pounds
1973	16,738	1,518	52,923	250	1981 <sup>1</sup>	16,913	1,437	( <sup>2</sup> )	( <sup>2</sup> )
1974	14,079	1,173	48,427	200	1982 <sup>1</sup>	17,568	1,312	( <sup>2</sup> )	( <sup>2</sup> )
1975	15,323	643	59,232	129	1983 <sup>1</sup>	56,611	513	( <sup>2</sup> )	( <sup>2</sup> )
1976 <sup>1</sup>	15,481	1,465	56,288	189	1984 <sup>1</sup>	59,259	535	( <sup>2</sup> )	( <sup>2</sup> )
1977 <sup>1</sup>	17,809	1,063	59,456	142	1985 <sup>1</sup>	64,929	662	( <sup>2</sup> )	( <sup>2</sup> )
1978 <sup>1</sup>	13,293	1,190	61,977	143	1986 <sup>1</sup>	75,048	701	( <sup>2</sup> )	( <sup>2</sup> )
1979 <sup>1</sup>	14,507	1,294	( <sup>2</sup> )	( <sup>2</sup> )					
1980 <sup>1</sup>	15,322	1,490	( <sup>2</sup> )	( <sup>2</sup> )					

<sup>1</sup> Year beginning October. <sup>2</sup> Not available. <sup>3</sup> Beginning 1983, olives in metric tons.

Economic Research Service and Foreign Agricultural Service. Compiled from the reports of the U.S. Department of Commerce.

Table 301.—Peaches: Production and value, United States, 1973-87

Year	Total production	Utilized production	Season average price <sup>1</sup>	Value	Year	Total production	Utilized production	Season average price <sup>1</sup>	Value
	Million pounds	Million pounds	Cents per pound	1,000 dollars		Million pounds	Million pounds	Cents per pound	1,000 dollars
1973	2,590.9	2,412.7	8.3	199,060	1981	2,770.6	2,639.8	13.3	351,610
1974	2,917.2	2,756.3	9.5	260,822	1982	2,285.6	2,101.9	14.4	302,550
1975	2,835.6	2,645.6	10.4	274,968	1983	1,855.3	1,753.8	14.8	259,801
1976	3,018.3	2,641.7	9.6	253,613	1984	2,659.3	2,467.9	13.0	320,671
1977	2,955.4	2,825.7	9.8	277,789	1985	2,147.3	2,046.4	15.0	307,388
1978	2,652.7	2,515.7	12.0	301,143	1986	2,328.4	2,239.9	14.6	326,155
1979	2,938.7	2,834.2	11.6	329,536	1987 <sup>2</sup>	2,428.8	2,301.2	14.2	326,087
1980	3,068.6	2,954.1	12.4	387,170					

<sup>1</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington except equivalent returns for bulk fruit at the first delivery point for California Clingstone, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 302.—Peaches: Foreign trade, United States, 1973-86

Year beginning July	Domestic exports					
	Fresh	Dried <sup>1</sup>	Canned	Canned, in fruit salad <sup>2</sup>	Dried, in fruit salad <sup>1,3</sup>	Total, in terms of fresh <sup>4</sup>
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
1973	26,078	178	58,031	20,997	323	107,889
1974	22,693	303	44,467	15,132	368	86,019
1975	28,454	204	43,827	14,542	387	90,106
1976 <sup>5</sup>	27,620	517	53,565	16,527	340	102,473
1977 <sup>5</sup>	29,511	( <sup>6</sup> )	82,253	17,254	390	131,135
1978 <sup>5</sup>	30,017	( <sup>6</sup> )	55,590	17,039	294	104,279
1979 <sup>5</sup>	28,045	( <sup>6</sup> )	59,167	21,863	503	111,869
1980 <sup>5</sup>	35,751	( <sup>6</sup> )	59,340	21,826	565	120,056
1981 <sup>5</sup>	30,840	( <sup>6</sup> )	36,216	16,653	415	86,015
1982 <sup>5</sup>	25,481	( <sup>6</sup> )	33,170	13,813	359	74,458
1983 <sup>5</sup>	23,218	( <sup>6</sup> )	12,256	8,407	464	46,459
1984 <sup>5</sup>	20,939	( <sup>6</sup> )	11,665	7,558	414	42,462
1985 <sup>5</sup>	25,288	( <sup>6</sup> )	15,457	7,210	460	50,511
1986 <sup>5</sup>	26,274	( <sup>6</sup> )	14,483	7,894	388	50,807

See footnotes on page 214.

Table 303.—Peaches: Production and season average price per pound, 1985-87

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Cents	Cents	Cents
AL.....	1.5	6.0	10.0	1.5	6.0	10.0	30.5	27.2	23.6
AR.....	5.0	9.5	1.4	4.5	9.5	1.4	17.2	17.3	23.1
CA:									
Freestone.....	486.0	495.0	511.0	486.0	495.0	511.0	11.4	13.8	13.4
CO.....	15.0	6.7	19.0	15.0	6.7	17.0	26.0	31.0	22.4
CT.....	3.0	2.6	2.7	3.0	2.6	2.5	41.0	48.0	52.0
DE.....	1.2	2.7	.9	1.2	2.7	.9	26.2	18.5	18.9
GA.....	90.0	105.0	100.0	83.0	101.0	98.0	24.6	19.7	18.1
ID.....	11.0	11.0	11.3	10.0	11.0	10.0	19.6	23.6	16.7
IL.....	(*)	21.0	20.0	(*)	20.5	19.0	(*)	24.0	28.9
IN.....	(*)	4.0	7.5	(*)	4.0	7.5	(*)	33.0	30.0
KS.....	3.5	5.0	2.5	3.0	4.5	2.4	25.1	37.0	30.0
KY.....	(*)	2.0	9.0	(*)	2.0	8.9	(*)	20.4	24.5
LA.....	6.5	.2	.6	6.0	.2	.5	33.0	34.0	46.0
MD.....	1.0	20.0	11.0	1.0	20.0	9.0	28.2	20.4	15.4
MA.....	2.1	1.9	2.0	2.1	1.8	2.0	41.0	48.0	52.0
MI.....	55.0	50.0	60.0	55.0	50.0	59.0	20.9	17.7	16.1
MS.....	2.5	.3	.5	2.5	.3	.5	35.0	33.0	31.0
MO.....	(*)	12.0	13.0	(*)	12.0	13.0	(*)	21.0	18.7
NJ.....	95.0	105.0	80.0	90.0	100.0	76.0	28.3	23.6	22.7
NY.....	14.5	14.0	14.3	14.0	14.0	13.8	23.2	23.6	21.5
NC.....	2.0	25.0	25.0	2.0	20.9	23.0	25.0	15.7	16.8
OH.....	(*)	2.5	9.0	(*)	2.5	9.0	(*)	29.0	28.0
OK.....	8.0	5.5	5.0	8.0	5.5	5.0	23.3	33.4	36.9
OR.....	15.5	13.0	15.0	14.5	13.0	14.0	29.0	27.3	27.5
PA.....	40.0	100.0	85.0	37.4	100.0	85.0	25.1	18.2	17.5
SC.....	230.0	260.0	350.0	220.0	248.0	300.0	20.2	16.0	14.9
TN.....	(*)	4.0	2.6	(*)	3.7	2.5	(*)	24.0	34.6
TX.....	30.0	10.0	6.0	26.0	9.5	4.8	28.0	39.0	38.0
UT.....	11.0	10.5	10.5	10.5	10.5	9.5	17.0	17.7	16.0
VA.....	2.0	28.0	27.0	1.7	26.0	24.0	22.1	21.2	17.1
WA.....	31.0	40.0	43.0	31.0	40.0	43.0	23.8	22.8	16.5
WV.....	(*)	23.0	17.0	(*)	23.0	17.0	(*)	14.5	13.4
Total above.....	1,162.3	1,395.4	1,471.8	1,128.9	1,366.4	1,399.2	18.3	17.7	16.5
CA:									
Clingstone <sup>3</sup> .....	985.0	933.0	957.0	917.5	873.5	902.0	11.0	9.8	10.6
US.....	2,147.3	2,328.4	2,428.8	2,046.4	2,239.9	2,301.2	15.0	14.6	14.2

<sup>1</sup> Preliminary. <sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California and Washington except equivalent returns for bulk fruit at the first delivery point for California Clingstone, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. <sup>3</sup> Mainly for canning. Total production includes culls and cannery diversions not utilized as follows (million pounds): 67.5 in 1985, 59.5 in 1986, and 55.0 in 1987. <sup>4</sup> No significant commercial production due to frost.

National Agricultural Statistics Service.

Table 304.—Peaches and nectarines, fresh: Production in specified countries, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>	Continent and country	1985	1986	1987 <sup>1</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:				Africa:			
Canada.....	42.2	35.6	40.0	South Africa.....	120.8	146.4	144.6
United States.....	1,164.5	1,212.2	1,275.0	Total.....	120.8	146.4	144.6
Mexico.....	230.5	252.9	230.0				
Total.....	1,437.2	1,500.7	1,545.0	Asia:			
South America:				Japan.....	205.4	219.2	217.3
Argentina.....	287.4	209.0	181.1	Total.....	205.4	219.2	217.3
Chile.....	155.0	148.9	147.0				
Total.....	442.4	357.9	328.1	Oceania:			
Europe:				Australia.....	65.3	68.4	70.9
France.....	488.0	471.6	469.7	New Zealand.....	25.0	27.0	28.0
Germany, Fed. Rep. of.....	18.2	31.2	25.5	Total.....	90.3	95.4	98.9
Greece.....	532.5	512.1	482.7				
Italy.....	1,419.5	1,437.8	1,525.4	Total specified countries.....	5,365.1	5,384.5	5,556.2
Spain.....	531.4	527.2	644.0				
Yugoslavia.....	79.4	85.0	75.0				
Total.....	3,069.0	3,064.9	3,222.3				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 305.—Peaches: Production and utilization, United States, 1973-87

Crop of—	Total production <sup>1</sup>	Utilized production	Utilization of quantities sold				
			Fresh <sup>2</sup>	Processed (fresh basis)			
				Canned	Dried	Frozen	Other <sup>3</sup>
<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1973.....	2,590.9	2,412.7	935.2	1,325.4	24.0	104.9	23.2
1974.....	2,917.2	2,756.3	952.0	1,650.6	29.0	78.1	46.6
1975.....	2,835.6	2,645.6	1,099.6	1,432.0	38.0	52.7	23.3
1976.....	3,018.3	2,641.7	1,151.2	1,326.3	30.0	109.8	24.4
1977.....	2,955.4	2,825.7	1,144.0	1,504.7	42.0	109.8	25.2
1978.....	2,652.7	2,515.7	1,135.8	1,230.8	35.0	69.8	44.3
1979.....	2,938.7	2,834.2	1,250.5	1,427.6	33.0	93.5	29.6
1980.....	3,068.6	2,954.1	1,324.1	1,498.3	34.0	77.1	20.6
1981.....	2,770.6	2,639.8	1,331.0	1,173.7	34.8	78.3	22.0
1982.....	2,285.6	2,101.9	976.9	983.9	45.0	70.5	25.6
1983.....	1,855.3	1,753.8	967.1	675.4	36.0	64.3	11.0
1984.....	2,659.3	2,467.9	1,286.9	1,028.5	28.0	89.0	35.5
1985.....	2,147.3	2,046.4	924.8	982.6	32.5	93.3	13.2
1986.....	2,328.4	2,239.9	1,112.8	926.9	32.5	136.3	31.4
1987 <sup>4</sup> .....	2,428.8	2,301.2	1,124.3	929.8	35.0	144.4	67.7

<sup>1</sup> Includes culls and cannery diversions for California Clingstone peaches (tons): 1973—81,000; 1974—76,000; 1975—81,000; 1976—77,000; 1977—57,500; 1978—60,000; 1979—45,000; 1980—56,500; 1981—48,000; 1982—79,500; 1983, 1984, 1985, 1986, 1987—None. <sup>2</sup> Includes "Home use." <sup>3</sup> Used for jams, preserves, brandy, etc. Includes small quantities frozen for some years. <sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 306.—Peaches: Production and utilization, by States, crop of 1987 (preliminary)

State	Total production	Utilized production	Utilization				
			Fresh <sup>1</sup>	Processed (fresh basis)			
				Canned	Dried	Frozen	Other <sup>2</sup>
<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	
CA, all <sup>3</sup> .....	1,468.0	1,413.0	310.0	892.0	35.0	118.0	( <sup>4</sup> )
Clingstone <sup>3</sup> .....	957.0	902.0	( <sup>4</sup> )	844.0	.....	.....	( <sup>4</sup> )
Freestone.....	511.0	511.0	310.0	48.0	35.0	118.0	( <sup>4</sup> )
GA.....	100.0	98.0	( <sup>4</sup> )	( <sup>4</sup> )	.....	( <sup>4</sup> )	( <sup>4</sup> )
NJ.....	80.0	76.0	( <sup>4</sup> )	( <sup>4</sup> )	.....	( <sup>4</sup> )	( <sup>4</sup> )
PA.....	85.0	85.0	78.0	( <sup>4</sup> )	.....	( <sup>4</sup> )	( <sup>4</sup> )
SC.....	350.0	300.0	267.0	( <sup>4</sup> )	.....	( <sup>4</sup> )	( <sup>4</sup> )
WA.....	43.0	43.0	( <sup>4</sup> )	( <sup>4</sup> )	.....	( <sup>4</sup> )	( <sup>4</sup> )
Other States <sup>5</sup> .....	302.8	286.2	469.3	37.8	.....	26.4	67.7
US.....	2,428.8	2,301.2	1,124.3	929.8	35.0	144.4	67.7

<sup>1</sup> Includes "Home use." <sup>2</sup> Used for jams, preserves, brandy, etc. <sup>3</sup> Difference between total and utilized production is culls and cannery diversions. <sup>4</sup> Data not published to avoid disclosure of individual operations, but included in "Other States" and U.S. totals. <sup>5</sup> Alabama, Arkansas, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Mississippi, Missouri, New York, North Carolina, Ohio, Oklahoma, Oregon, Tennessee, Texas, Utah, Virginia, and West Virginia.

National Agricultural Statistics Service.

**Table 307.—Peaches, canned: United States exports by country of destination, 1984/85-1986/87**

Country of destination	Year beginning June			Country of destination	Year beginning June		
	1984/85	1985/86	1986/87		1984/85	1985/86	1986/87
	<i>Cases</i> <sup>1</sup>	<i>Cases</i> <sup>1</sup>	<i>Cases</i> <sup>1</sup>		<i>Cases</i> <sup>1</sup>	<i>Cases</i> <sup>1</sup>	<i>Cases</i> <sup>1</sup>
<b>Europe:</b>				<b>Bermuda and Caribbean:</b>			
Austria.....	1,201	0	0	Bahamas.....	461	176	974
Belgium and Luxembourg..	857	0	0	Bermuda.....	3,180	2,578	3,816
Denmark.....	720	0	0	Dominican Republic.....	167	286	1,733
Finland.....	10,009	11,987	4,167	Netherlands Antilles.....	911	2,019	852
Germany, Fed. Rep. of.....	146	0	321	Trinidad and Tobago.....	985	1,349	1,861
Greece.....	40	835	3,485	Other countries.....	663	477	123
Netherlands.....	3,512	3,183	8,552	<b>Total.....</b>	<b>6,317</b>	<b>6,855</b>	<b>9,359</b>
Norway.....	5,687	26,556	12,293				
Sweden.....	8,463	12,415	7,776	<b>Other countries:</b>			
Switzerland.....	844	0	2,571	Canada.....	240,549	160,152	118,925
United Kingdom.....	316	7,948	3,442	Hong Kong.....	17,860	16,047	7,664
Other countries.....	2,595	90	401	Taiwan.....	29,878	31,921	70,693
<b>Total.....</b>	<b>34,390</b>	<b>63,014</b>	<b>43,008</b>	Japan.....	113,564	313,872	425,746
				Kuwait.....	6,571	5,174	8,644
<b>Latin America:</b>				Saudi Arabia.....	13,809	10,931	13,447
Colombia.....	552	699	115	Singapore.....	18,602	23,505	20,976
Panama.....	32,271	34,016	31,513	Other countries.....	40,139	20,241	29,775
Other countries.....	5,461	4,708	3,576	<b>Total.....</b>	<b>481,022</b>	<b>581,843</b>	<b>695,870</b>
<b>Total.....</b>	<b>38,284</b>	<b>39,423</b>	<b>35,204</b>	<b>Grand total.....</b>	<b>560,013</b>	<b>691,135</b>	<b>783,441</b>

<sup>1</sup> Equivalent cases, 45-pound net weight.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 308.—Pears: Production and value, United States 1973-87**

Year	Total production	Utilized production	Season average price <sup>1</sup>	Value	Year	Total production	Utilized production	Season average price <sup>1</sup>	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>		<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
1973.....	730,420	725,840	138.00	100,104	1981.....	897,000	893,950	187.00	167,321
1974.....	741,720	740,660	169.00	125,389	1982.....	803,950	802,730	183.00	147,179
1975.....	748,000	741,800	143.00	105,765	1983.....	774,650	774,450	170.00	131,864
1976.....	839,100	819,100	124.00	101,890	1984.....	709,550	696,750	229.00	159,730
1977.....	781,600	779,500	146.00	113,520	1985.....	747,150	747,000	269.00	201,109
1978.....	723,250	723,250	219.00	158,724	1986.....	766,350	760,350	267.00	202,760
1979.....	854,700	854,200	204.00	174,295	1987 <sup>2</sup> .....	940,250	937,600	197.00	184,890
1980.....	897,350	896,350	196.00	175,832					

<sup>1</sup> Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 302

<sup>1</sup> Net processed weight. <sup>2</sup> Canned peaches are 40 percent of total canned fruit for salad. <sup>3</sup> Dried peaches are 21 percent of total dried fruit for salad. <sup>4</sup> Dried fruit converted to unprocessed dry weight by dividing by 1.08. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 6.0 pounds fresh. Canned peaches converted to terms of fresh on basis that 1 pound canned equals about 1 pound fresh. <sup>5</sup> Year beginning October. <sup>6</sup> Not available.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.



Table 309.—Pears: Production and season average price per ton, by States, 1985-87

Variety and State	Total production			Utilized production			Price <sup>2</sup> for crop—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
CA, all .....	292,500	294,000	337,000	292,500	294,000	337,000	238.00	232.00	192.00
Bartlett .....	282,000	285,000	325,000	282,000	285,000	325,000	233.00	223.00	176.00
Other .....	10,500	9,000	12,000	10,500	9,000	12,000	373.00	522.00	645.00
CO .....	6,000	1,750	8,000	5,900	1,750	6,400	219.00	280.00	199.00
CT .....	1,550	1,600	1,450	1,500	1,600	1,450	475.00	485.00	500.00
MI .....	8,000	11,000	8,000	8,000	11,000	8,000	242.00	233.00	236.00
NY .....	16,000	19,000	15,000	16,000	18,000	14,500	242.00	210.00	259.00
OR, all .....	193,000	167,000	228,000	193,000	162,000	228,000	274.00	304.00	192.00
Bartlett .....	75,000	55,000	78,000	75,000	50,000	78,000	230.00	243.00	183.00
Other .....	118,000	112,000	150,000	118,000	112,000	150,000	302.00	331.00	197.00
PA .....	2,600	3,800	3,200	2,600	3,800	3,050	320.00	325.00	270.00
UT .....	2,500	2,200	3,600	2,500	2,200	3,200	294.00	345.00	272.00
WA, all .....	225,000	266,000	336,000	225,000	266,000	336,000	307.00	285.00	199.00
Bartlett .....	111,000	126,000	171,000	111,000	126,000	171,000	248.00	225.00	189.00
Other .....	114,000	140,000	165,000	114,000	140,000	165,000	365.00	339.00	210.00
US .....	747,150	766,350	940,250	747,000	760,350	937,600	269.00	267.00	197.00

<sup>1</sup> Preliminary.

<sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. National Agricultural Statistics Service.

Table 310.—Pears, fresh (dessert and cooking): Production in specified countries, 1985/86-1987/88 <sup>1</sup>

Continent and country	1985/ 86	1986/ 87	1987/ 88 <sup>2</sup>	Continent and country	1985/ 86	1986/ 87	1987/ 88 <sup>2</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:				Other Europe—Con.			
Canada <sup>3</sup> .....	28	25	26	Sweden .....	4	4	4
Mexico .....	52	58	57	Switzerland .....	18	24	21
United States <sup>3</sup> .....	678	695	853	Turkey .....	370	380	385
Total .....	758	778	936	Yugoslavia .....	147	169	160
South America:				Total .....	592	635	617
Argentina .....	165	252	240	Total Europe .....	3,086	3,086	3,066
Chile .....	78	74	79	Africa:			
Total .....	243	326	319	South Africa .....	144	170	171
European Community:				Total .....	144	170	171
Belgium and Luxembourg .....	78	81	79	Asia:			
Denmark .....	4	4	4	Japan .....	470	489	476
France .....	417	341	430	Total .....	470	489	476
Germany, Fed. Rep. of .....	335	499	291	Oceania:			
Greece .....	111	111	95	Australia .....	143	151	124
Italy .....	802	914	829	New Zealand .....	14	15	16
Netherlands .....	96	93	143	Total .....	157	166	140
Spain .....	600	361	530	Total specified countries .....	4,858	5,015	5,108
United Kingdom .....	51	47	48				
Total EC .....	2,494	2,451	2,449				
Other Europe:							
Austria .....	44	51	39				
Norway .....	9	7	8				

<sup>1</sup> May include some cider varieties in countries not reporting separately.<sup>2</sup> Preliminary.<sup>3</sup> Commercial crop.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 311.—Pears: Foreign trade, United States, 1973-86

Year beginning July	Imports for consumption, fresh	Domestic exports					Total, in terms of fresh fruit <sup>4</sup>
		Fresh <sup>1</sup>	Canned	Dried <sup>1</sup>	Dried, in fruit salad <sup>1 2</sup>	Canned, in fruit salad <sup>3</sup>	
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
1973 .....	8,382	39,135	5,388	110	298	18,372	65,470
1974 .....	8,409	34,618	2,883	98	292	13,240	53,205
1975 .....	7,079	33,914	3,567	259	307	12,724	53,777
1976 <sup>5</sup> .....	4,298	27,489	3,348	285	270	14,461	48,800
1977 <sup>5</sup> .....	5,775	35,744	4,320	( <sup>6</sup> )	310	15,097	57,117
1978 <sup>5</sup> .....	6,828	39,085	3,009	( <sup>6</sup> )	234	14,908	58,479
1979 <sup>5</sup> .....	8,054	39,370	2,625	( <sup>6</sup> )	399	19,130	63,643
1980 <sup>5</sup> .....	9,425	49,246	3,003	( <sup>6</sup> )	448	19,098	74,174
1981 <sup>5</sup> .....	9,327	49,512	2,689	( <sup>6</sup> )	329	14,572	68,849
1982 <sup>5</sup> .....	9,896	34,698	2,026	( <sup>6</sup> )	285	12,086	50,611
1983 <sup>5</sup> .....	13,188	35,066	1,108	( <sup>6</sup> )	368	7,356	45,851
1984 <sup>5</sup> .....	18,604	25,914	1,075	( <sup>6</sup> )	329	6,614	35,679
1985 <sup>5</sup> .....	25,663	30,516	1,024	( <sup>6</sup> )	365	6,308	40,151
1986 <sup>5</sup> .....	31,733	36,932	1,003	( <sup>6</sup> )	308	6,907	46,786

<sup>1</sup> Net processed weight.<sup>2</sup> Dried pears are 16% percent of total dried fruit for salad.<sup>3</sup> Canned pears are 35 percent of total canned fruit for salad.<sup>4</sup> Dried converted to unprocessed dry weight by dividing by 1.03. Unprocessed dry weight converted to terms of fresh on the basis that 1 pound dried equals about 6.5 pounds fresh. Canned converted to terms of fresh on basis that 1 pound of canned equals about 1 pound fresh.<sup>5</sup> Year beginning October.<sup>6</sup> Not available.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 312.—Pears: Production and utilization, United States, 1973-87

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh <sup>1</sup>	Processed (fresh basis)	
				Canned <sup>2</sup>	Dried
	Tons	Tons	Tons	Tons	Tons
1973 .....	730,420	725,840	307,230	413,710	4,900
1974 .....	741,720	740,660	295,960	439,600	5,100
1975 .....	748,000	741,800	326,780	( <sup>3</sup> )	( <sup>3</sup> )
1976 .....	839,100	819,100	339,230	( <sup>3</sup> )	( <sup>3</sup> )
1977 .....	781,600	779,500	298,200	( <sup>3</sup> )	( <sup>3</sup> )
1978 .....	723,250	723,250	297,070	( <sup>3</sup> )	( <sup>3</sup> )
1979 .....	854,700	854,200	300,100	( <sup>3</sup> )	( <sup>3</sup> )
1980 .....	897,350	896,350	345,060	( <sup>3</sup> )	( <sup>3</sup> )
1981 .....	897,000	893,950	377,950	( <sup>3</sup> )	( <sup>3</sup> )
1982 .....	803,950	802,730	368,130	( <sup>3</sup> )	( <sup>3</sup> )
1983 .....	774,650	774,450	384,450	( <sup>3</sup> )	( <sup>3</sup> )
1984 .....	709,550	696,750	324,050	( <sup>3</sup> )	( <sup>3</sup> )
1985 .....	747,150	747,000	349,700	( <sup>3</sup> )	( <sup>3</sup> )
1986 .....	766,350	760,350	375,420	( <sup>3</sup> )	( <sup>3</sup> )
1987 <sup>4</sup> .....	940,250	937,600	456,350	( <sup>3</sup> )	( <sup>3</sup> )

<sup>1</sup> Includes "Home use."<sup>2</sup> For some States includes some dried or otherwise processed.<sup>3</sup> Not published to avoid disclosure of individual operation.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 313.—Pears: Production and utilization, by States, crop of 1987 (preliminary)

State and variety	Total production	Utilized production	Utilization	
			Fresh <sup>1</sup>	Processed <sup>2</sup>
	Tons	Tons	Tons	Tons
CA, all .....	337,000	337,000	( <sup>3</sup> )	( <sup>3</sup> )
Bartlett.....	325,000	325,000	74,500	250,500
Other .....	12,000	12,000	( <sup>3</sup> )	( <sup>3</sup> )
CO .....	8,000	6,400	( <sup>3</sup> )	( <sup>3</sup> )
CT .....	1,450	1,450	1,450	( <sup>3</sup> )
MI .....	8,000	8,000	( <sup>3</sup> )	( <sup>3</sup> )
NY .....	15,000	14,500	( <sup>3</sup> )	( <sup>3</sup> )
OR, all .....	228,000	228,000	( <sup>3</sup> )	( <sup>3</sup> )
Bartlett.....	78,000	78,000	23,000	55,000
Other .....	150,000	150,000	( <sup>3</sup> )	( <sup>3</sup> )
PA .....	3,200	3,050	( <sup>3</sup> )	( <sup>3</sup> )
UT .....	3,600	3,200	3,200	( <sup>3</sup> )
WA, all .....	336,000	336,000	( <sup>3</sup> )	( <sup>3</sup> )
Bartlett.....	171,000	171,000	56,000	115,000
Other .....	165,000	165,000	( <sup>3</sup> )	( <sup>3</sup> )
US.....	940,250	937,600	456,350	481,250

<sup>1</sup> Includes "Home use."<sup>2</sup> Mostly canned, but includes small quantities dried, juiced, and other uses.<sup>3</sup> Data not published to avoid disclosure of individual operations, but included in U.S. totals.

National Agricultural Statistics Service.

Table 314.—Papayas: Area, yield, production, utilization, price, and value, Hawaii, 1973-87

Year	Area harvested	Yield per acre <sup>1</sup>	Production	Utilization		Price per pound	Value
				Fresh	Processed		
	Acres	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars
1973 .....	1,430	23.0	32,824	28,848	3,976	12.7	4,180
1974 .....	1,690	22.0	37,224	34,529	2,695	13.1	4,871
1975 .....	1,840	21.7	39,896	34,952	4,944	14.2	5,668
1976 .....	1,930	25.9	50,037	45,588	6,449	12.3	6,134
1977 .....	2,155	29.5	63,548	53,987	9,561	11.9	7,565
1978 .....	2,190	40.6	<sup>2</sup> 89,000	54,624	9,376	13.0	8,304
1979 .....	2,210	26.7	<sup>2</sup> 59,000	36,446	4,569	23.2	9,513
1980 .....	1,950	37.9	<sup>2</sup> 74,000	45,360	3,556	20.4	9,964
1981 .....	2,110	44.5	<sup>2</sup> 94,000	58,170	8,220	18.7	12,412
1982 .....	2,170	38.7	<sup>2</sup> 84,000	44,770	7,980	21.8	11,484
1983 .....	2,120	36.1	<sup>2</sup> 76,500	46,300	15,100	18.9	11,591
1984 .....	2,590	46.3	<sup>2</sup> 120,000	67,000	13,500	11.4	9,196
1985 .....	2,650	35.8	<sup>2</sup> 95,000	49,250	11,150	14.2	8,579
1986 .....	2,400	34.6	<sup>2</sup> 83,000	50,100	10,300	18.2	11,123
1987 <sup>3</sup> .....	2,350	44.7	<sup>2</sup> 67,000	56,000	11,000	16.5	11,050

<sup>1</sup> Derived from total production.<sup>2</sup> Includes the following quantities of unharvested production and harvested fruit not sold (1,000 pounds units) respectively, 14,000 and 11,000 for 1978, 10,000 and 7,985 for 1979, 14,000 and 11,084 for 1980, 9,000 and 18,610 for 1981, 17,000 and 14,250 for 1982, 12,000 and 3,100 for 1983, 21,700 and 17,800 for 1984, 15,000 and 19,600 for 1985, 7,000 and 15,000 for 1986, and 24,000 and 14,000 for 1987.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

Table 315.—Plums, California: Production, value, and utilization, 1973-87

Season	Total production	Utilized production	Season average price per ton <sup>1</sup>	Value	Utilization of quantities sold	
					Fresh <sup>2</sup>	Processed
	Tons	Tons	Dollars	1,000 dollars	Tons	Tons
1973.....	97,000	97,000	321.00	31,137	93,800	3,200
1974.....	143,000	143,000	275.00	39,325	140,000	3,000
1975.....	124,000	124,000	279.00	34,596	121,360	2,640
1976.....	115,000	115,000	380.00	43,700	111,900	3,100
1977.....	157,000	157,000	313.00	49,141	156,000	1,000
1978.....	154,000	154,000	370.00	56,980	151,000	3,000
1979.....	175,000	175,000	277.00	48,475	173,000	2,000
1980.....	160,000	160,000	449.00	71,810	157,400	2,600
1981.....	197,500	197,500	309.00	61,062	194,300	3,200
1982.....	118,000	118,000	620.00	73,139	116,600	1,400
1983.....	158,500	158,500	435.00	69,020	155,700	2,800
1984.....	225,000	225,000	212.00	47,796	221,000	4,000
1985.....	166,500	166,500	514.00	85,512	( <sup>3</sup> )	( <sup>3</sup> )
1986.....	152,000	152,000	657.00	99,857	( <sup>3</sup> )	( <sup>3</sup> )
1987 <sup>4</sup> .....	245,000	245,000	308.00	75,361	( <sup>3</sup> )	( <sup>3</sup> )

<sup>1</sup> Fresh fruit prices are equivalent returns at point of first sale. Processing fruit prices are equivalent returns at processing plant door.

<sup>2</sup> Includes "Home use."

<sup>3</sup> Missing data not published to avoid disclosure of individual operations, but included in total.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 316.—Pomegranates: Production, price, and value, California, 1973-87

Year	Total production	Utilized production	Price per ton	Value	Year	Total production	Utilized production	Price per ton	Value
	Tons	Tons	Dollars	1,000 dollars		Tons	Tons	Dollars	1,000 dollars
1973.....	5,800	5,800	170.00	986	1982.....	16,000	14,400	232.00	3,341
1974.....	8,100	8,100	151.00	1,223	1983.....	20,000	18,900	272.00	5,147
1975.....	8,600	8,600	143.00	1,230	1984.....	20,000	19,000	106.00	2,010
1976.....	9,000	9,000	210.00	1,890	1985.....	19,400	17,400	318.00	5,529
1977.....	10,000	10,000	143.00	1,430	1986.....	22,000	19,400	395.00	7,666
1978.....	9,500	9,500	233.00	2,214	1987 <sup>1</sup> .....	18,500	16,500	341.00	5,631
1979.....	13,000	11,000	324.00	3,564					
1980.....	17,000	16,000	259.00	4,144					
1981.....	16,500	14,800	278.00	4,114					

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 317.—Prunes and plums: <sup>1</sup> Production, value, and utilization, 4 States, 1973-87**

Year	Total- production	Utilized production	Season average price per ton	Value	Utilization of quantities sold			
					Fresh <sup>2</sup>	Processed (fresh basis)		
						Dried and other	Canned <sup>3</sup>	Frozen
	Tons	Tons	Dollars	1,000 dollars	Tons	Tons	Tons	Tons
1973	73,300	66,550	148.00	9,816	29,350	11,050	21,730	4,420
1974	71,200	71,200	150.00	10,685	35,350	(*)	21,665	(*)
1975	75,600	71,600	113.00	8,097	34,550	11,000	23,500	2,550
1976	77,000	73,500	123.00	9,046	38,150	12,850	29,900	1,600
1977	61,000	58,000	158.00	9,175	30,700	11,800	14,200	1,300
1978	69,800	69,200	156.00	10,797	40,950	9,050	16,100	3,100
1979	59,200	59,200	209.00	12,382	34,100	11,400	11,800	1,900
1980	76,600	76,600	179.00	13,741	40,500	6,400	18,500	2,200
1981	65,100	62,600	156.00	9,754	32,900	11,300	16,900	1,500
1982	51,500	47,500	269.00	12,754	26,550	11,300	8,250	1,400
1983	51,200	49,200	199.00	9,778	30,000	8,670	9,430	1,100
1984	52,000	51,000	208.00	10,633	28,200	10,800	11,400	600
1985	51,700	48,100	230.00	11,047	21,700	10,700	14,400	1,300
1986	48,100	44,100	260.00	11,448	20,400	9,200	13,200	1,300
1987 <sup>5</sup>	53,500	49,200	143.00	7,045	23,600	12,100	12,200	1,300

<sup>1</sup> Idaho, Michigan, Oregon, and Washington. Mostly prunes; however, estimates include small quantities of plums in all States.

<sup>2</sup> Includes "Home use."

<sup>3</sup> Beginning 1973, some quantities dried or otherwise processed are included in "Frozen" until 1975. Beginning 1975, other uses included in "Dried."

<sup>4</sup> Not published to avoid disclosure of individual operations.

<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 318.—Prunes and plums (fresh basis): Production and season average price per ton, by States, 1985-87**

State	Total production			Utilized production			Price <sup>2</sup> for crop of—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
ID	4,500	5,000	6,200	4,500	5,000	5,900	418.00	477.00	134.00
MI	11,000	11,000	16,000	11,000	11,000	14,000	299.00	243.00	144.00
OR	26,000	23,000	19,000	22,400	19,000	17,000	163.00	161.00	151.00
WA	10,200	9,100	12,300	10,200	9,100	12,300	220.00	366.00	136.00
Total, 4 States	51,700	48,100	53,500	47,700	44,100	49,200	230.00	260.00	143.00

<sup>1</sup> Preliminary.

<sup>2</sup> Fresh fruit prices are equivalent packinghouse-door returns for Oregon and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 319.—Prunes (dried basis), California: Production, price and value, 1973-87 <sup>1</sup>

Season	Production <sup>2</sup>		Season average price per ton <sup>3</sup>		Value
	Tons		Dollars		1,000 dollars
1973.....	205,000	462.00		94,710	
1974.....	142,000	440.00		62,480	
1975.....	149,000	402.00		59,898	
1976.....	148,000	412.00		60,976	
1977.....	159,000	499.00		79,341	
1978.....	132,000	696.00		91,872	
1979.....	136,000	812.00		110,432	
1980.....	168,000	683.00		114,744	
1981.....	159,500	654.00		104,313	
1982.....	126,000	679.00		85,554	
1983.....	145,000	667.00		96,715	
1984.....	148,000	693.00		102,564	
1985.....	141,000	680.00		95,880	
1986.....	99,000	819.00		81,081	
1987 <sup>4</sup> .....	228,000	730.00		166,440	

<sup>1</sup> The drying ratio is approximately 3 pounds of fresh fruit to 1 pound of dried fruit.<sup>2</sup> Production all utilized.<sup>3</sup> Equivalent returns at the processing plant door.<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 320.—Prunes and plums: <sup>1</sup> Utilization and season average price per ton, 1982-87

State and season	Quantity				Price <sup>4</sup>			
	Fresh <sup>2</sup>	Dried and other <sup>3</sup>	Canned	Frozen	Fresh	Dried and other	Canned	Frozen
	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars	Dollars
ID:	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1982.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1983.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1984.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1985.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1986.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1987.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
MI:								
1982.....	5,900	( <sup>5</sup> )	3,500	( <sup>5</sup> )	343.00	( <sup>5</sup> )	132.00	( <sup>5</sup> )
1983.....	5,200	( <sup>5</sup> )	5,700	( <sup>5</sup> )	270.00	( <sup>5</sup> )	127.00	( <sup>5</sup> )
1984.....	5,500	( <sup>5</sup> )	5,700	( <sup>5</sup> )	363.00	( <sup>5</sup> )	203.00	( <sup>5</sup> )
1985.....	4,400	( <sup>5</sup> )	6,100	( <sup>5</sup> )	385.00	( <sup>5</sup> )	238.00	( <sup>5</sup> )
1986.....	5,500	( <sup>5</sup> )	5,000	( <sup>5</sup> )	370.00	( <sup>5</sup> )	115.00	( <sup>5</sup> )
1987.....	7,500	( <sup>5</sup> )	6,000	( <sup>5</sup> )	197.00	( <sup>5</sup> )	83.00	( <sup>5</sup> )
OR:								
1982.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1983.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1984.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1985.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1986.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1987.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
WA:								
1982.....	10,050	( <sup>5</sup> )	( <sup>5</sup> )		340.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1983.....	12,100	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	189.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1984.....	11,400	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	189.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1985.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1986.....	7,400	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	437.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1987.....	7,600	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	164.00	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Total 4 States:								
1982.....	26,550	11,300	8,250	1,400	362.00	158.00	103.00	91.50
1983.....	30,000	8,670	9,430	1,100	257.00	95.00	118.00	129.00
1984.....	28,200	10,800	11,400	600	266.00	70.00	198.00	225.00
1985.....	21,700	10,700	14,400	1,300	329.00	113.00	175.00	140.00
1986.....	20,400	9,200	13,200	1,300	432.00	117.00	107.00	111.00
1987.....	23,600	12,100	12,200	1,300	175.00	118.00	107.00	136.00

<sup>1</sup> Michigan, Idaho, Washington, and Oregon. Mostly prunes; however, estimates include small quantities of plums in all States.<sup>2</sup> Includes "Home use."<sup>3</sup> Some quantities otherwise processed are included to avoid disclosure of individual operations.<sup>4</sup> Prices for fresh sales are average prices as sold for Idaho and Michigan; equivalent packinghouse door returns for Oregon and Washington. Quantities processed are priced at the equivalent processing plant door level.<sup>5</sup> Not published to avoid disclosure of individual operations, but is included in total.

National Agricultural Statistics Service.

Table 321.—Prunes, dried: United States exports by country of destination, 1984/85-1986/87

Country of destination	Year beginning September			Country of destination	Year beginning September		
	1984/85	1985/86	1986/87		1984/85	1985/86	1986/87
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Europe:</b>				<b>Bermuda and Caribbean:</b>			
Austria.....	280	214	380	Bermuda.....	2	10	3
Belgium and Luxembourg.....	500	584	524	Dominican Republic.....	29	77	51
Denmark.....	1,229	1,716	2,073	Haiti.....	3	1	0
Finland.....	1,991	2,209	2,227	Netherlands Antilles.....	51	97	90
France.....	1,479	1,286	915	Trinidad and Tobago.....	247	257	113
Germany, Fed. Rep. of.....	4,827	6,304	7,538	Other countries.....	23	10	1
Iceland.....	12	12	22	<b>Total.....</b>	<b>355</b>	<b>452</b>	<b>258</b>
Ireland.....	46	32	37				
Italy.....	5,779	9,210	6,691	<b>Other countries:</b>			
Netherlands.....	1,028	2,396	2,332	Australia.....	955	945	522
Norway.....	1,148	1,287	1,472	Canada.....	2,197	2,827	3,055
Spain.....	1,385	2,053	2,430	Hong Kong.....	282	744	506
Sweden.....	2,261	2,372	2,968	Israel.....	303	539	1,200
Switzerland.....	626	631	544	Japan.....	8,255	7,145	9,221
United Kingdom.....	2,982	3,077	3,115	Malaysia.....	154	127	207
Other countries.....	172	488	303	New Zealand.....	342	348	285
<b>Total.....</b>	<b>25,745</b>	<b>33,871</b>	<b>33,571</b>	Singapore.....	596	823	563
				Taiwan.....	461	667	617
<b>Latin America:</b>				Other countries.....	3,452	317	333
Brazil.....	47	73	6	<b>Total.....</b>	<b>16,997</b>	<b>14,482</b>	<b>16,509</b>
Colombia.....	18	8	2				
Costa Rica.....	17	5	4	<b>Grand total.....</b>	<b>44,488</b>	<b>50,938</b>	<b>52,258</b>
Guatemala.....	31	8	7				
Mexico.....	665	1,354	1,403				
Panama.....	158	167	180				
Venezuela.....	429	507	295				
Other countries.....	26	11	23				
<b>Total.....</b>	<b>1,391</b>	<b>2,133</b>	<b>1,920</b>				

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 322.—Prunes: Foreign trade, United States, 1973-86

Year beginning July	Imports				Domestic exports			
	Fresh prunes and plums	Other-wise prepared or pre-served	Dried prunes <sup>1</sup>	Total, in terms of fresh <sup>2</sup>	Fresh prunes and plums	Dried prunes <sup>1</sup>	Dried, in fruit salad <sup>1 3</sup>	Total, in terms of fresh <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973 .....	738	902	542	2,956	16,170	53,357	767	156,684
1974 .....	720	806	30	1,523	16,755	36,201	754	112,696
1975 .....	1,379	946	270	2,930	19,865	63,715	792	187,335
1976 <sup>4</sup> .....	819	885	498	2,908	21,482	47,910	696	147,671
1977 <sup>4</sup> .....	1,479	771	263	2,855	23,400	52,648	799	162,157
1978 <sup>4</sup> .....	1,390	806	359	3,047	20,175	43,260	603	134,050
1979 <sup>4</sup> .....	835	803	267	2,251	21,236	43,983	1,030	138,097
1980 <sup>4</sup> .....	1,526	760	58	2,360	25,813	56,440	1,156	175,341
1981 <sup>4</sup> .....	1,657	784	86	2,586	21,562	59,061	849	177,098
1982 <sup>4</sup> .....	3,801	843	459	5,750	19,607	49,573	735	150,214
1983 <sup>4</sup> .....	6,060	1,106	636	8,705	25,897	52,731	949	165,259
1984 <sup>4</sup> .....	13,516	1,291	647	16,357	20,850	46,006	848	142,490
1985 <sup>4</sup> .....	15,170	859	1,369	19,496	23,680	50,832	942	158,093
1986 <sup>4</sup> .....	17,987	871	1,354	22,235	33,312	52,648	795	172,058

<sup>1</sup> Net processed weight.<sup>2</sup> Exports and imports of dried prunes converted to unprocessed dry weight by dividing by 1.04. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 2.7 pounds fresh. "Otherwise prepared or preserved" converted to terms of fresh fruit on the basis that 1 pound equals 0.899 pound fresh.<sup>3</sup> Dried prunes in salad estimated at 43 percent of total dried fruit for salad.<sup>4</sup> Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 323.—Strawberries, commercial crop: Production and value per hundredweight, by States, 1985-87

Utilization, season, and State	Production			Value per unit		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
<b>FOR FRESH MARKET <sup>2</sup></b>						
Winter:	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
FL.....	1,060	907	1,103	57.80	55.30	60.80
Total .....	1,060	907	1,103	57.80	55.30	60.80
Spring:						
AR.....	17	18	11	46.0	50.00	48.00
CA.....	5,804	5,804	6,002	51.90	58.30	58.00
LA.....	30	34	43	58.00	57.00	50.00
MI.....	100	78	92	42.90	48.10	53.20
NJ.....	61	38	42	50.20	54.30	68.00
NY.....	168	182	160	44.60	41.90	56.90
NC.....	46	48	46	40.40	50.50	49.90
OH.....	92	57	73	60.00	61.00	61.00
OR.....	43	50	56	53.00	65.00	60.00
PA.....	42	43	55	82.70	87.30	82.60
WA.....	28	20	25	47.00	55.00	52.00
WI.....	55	64	44	54.00	57.00	57.00
Total .....	6,481	6,441	6,649	51.80	57.90	58.10
US.....	7,541	7,348	7,752	52.60	57.60	58.50
<b>PROCESSING</b>						
Spring:						
CA.....	1,934	2,074	2,230	16.90	22.60	26.70
MI.....	63	66	40	31.90	39.60	33.30
OR.....	469	585	880	29.00	44.20	32.00
WA.....	190	120	215	31.00	45.00	32.00
US.....	2,647	2,845	3,365	20.40	28.40	28.50

<sup>1</sup> Preliminary.<sup>2</sup> Mostly for fresh market, but includes some quantities used for processing in States for which processing estimates are not prepared.

National Agricultural Statistics Service.



**Table 324.—Strawberries, commercial crop: Area, yield, production, value per unit, and total value, United States, 1973-87**

Year	Fresh market and processing					Fresh market <sup>3</sup>			Processing		
	Area for harvest	Yield per acre	Production <sup>1</sup>	Value <sup>2</sup>		Production of value	Value <sup>2</sup>		Production of value	Value <sup>2</sup>	
				Per unit	Total		Per unit	Total		Per unit	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>
1973.....	40,610	118	4,796	27.60	132,186	3,164	31.00	97,934	1,632	21.00	34,252
1974.....	39,260	137	5,388	28.80	155,122	3,706	32.50	120,288	1,682	20.70	34,834
1975.....	39,590	139	5,506	30.60	168,352	3,774	35.50	133,917	1,732	19.90	34,435
1976.....	34,450	169	5,807	32.90	191,022	3,695	37.70	139,268	2,112	24.50	51,754
1977.....	35,650	186	6,619	33.20	219,958	4,298	39.10	167,949	2,321	22.40	52,009
1978.....	37,600	175	6,592	31.70	209,257	4,779	36.70	175,155	1,813	18.80	34,102
1979.....	36,500	175	6,383	38.70	246,850	4,360	43.40	189,105	2,023	28.50	57,745
1980.....	36,050	195	7,017	41.20	288,776	4,821	47.90	231,115	2,196	26.30	57,661
1981.....	37,000	200	7,416	42.00	311,147	5,375	47.10	253,289	2,041	28.30	57,858
1982.....	40,250	219	8,830	48.10	424,592	5,896	55.20	325,338	2,934	33.80	99,254
1983.....	43,400	206	8,935	45.60	407,188	5,854	53.00	310,072	3,081	31.50	97,116
1984.....	43,300	229	9,909	41.70	413,251	7,482	49.00	366,501	2,427	19.30	46,750
1985.....	44,050	231	10,188	44.30	450,819	7,541	52.60	396,894	2,647	20.40	53,925
1986.....	44,350	230	10,193	49.40	503,641	7,348	57.60	422,898	2,845	28.40	80,743
1987*.....	44,620	249	11,117	49.40	549,082	7,752	53.50	453,169	3,365	28.50	95,913

<sup>1</sup> Excludes the following quantities not harvested and not marked because of economic conditions (1,000 hundredweight): 1 in 1977, 1 in 1978, 28 in 1979, 48 in 1980, 22 in 1981, 11 in 1982, 21 in 1983, 19 in 1984, 35 in 1985, and 239 in 1987.

<sup>2</sup> Fresh market price and value on f.o.b. basis. Processing price and value at processing plant door.

<sup>3</sup> Mostly for fresh market, but includes some quantities used for processing in States for which processing estimates are not prepared.

\* Preliminary.

National Agricultural Statistics Service.

**Table 325.—Strawberries, commercial crop: Area, production, value per hundredweight, by States, 1985-87 <sup>1</sup>**

Season and State	Area			Production			Value per unit		
	1985	1986	1987 <sup>2</sup>	1985	1986 <sup>2</sup>	1987 <sup>2</sup>	1985	1986 <sup>2</sup>	1987 <sup>2</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
Winter:									
FL.....	5,300	4,900	4,900	1,060	907	1,103	57.80	55.30	60.80
Total.....	5,300	4,900	4,900	1,060	907	1,103	57.80	55.30	60.80
Spring:									
AR.....	300	300	220	17	18	11	46.00	50.00	48.00
CA.....	14,600	15,600	16,800	7,738	7,878	8,232	43.20	48.90	49.50
LA.....	550	550	600	30	34	43	53.00	57.00	50.00
MI.....	2,500	2,400	2,200	163	144	132	38.70	44.20	47.20
NJ.....	1,100	900	800	61	38	42	50.20	54.30	68.00
NY.....	3,300	3,300	2,800	168	182	160	44.60	41.90	56.90
NC.....	2,100	2,100	2,100	46	48	46	40.40	50.50	49.90
OH.....	1,700	1,500	1,400	92	57	73	60.00	61.00	61.00
OR.....	6,800	7,300	7,800	503	635	936	31.10	45.80	33.70
PA.....	1,400	1,400	1,300	42	48	55	82.70	87.30	82.60
WA.....	3,000	2,800	2,500	213	140	240	32.70	46.40	34.10
WI.....	1,400	1,300	1,200	55	64	44	54.00	57.00	57.00
Total.....	38,750	39,450	39,720	9,128	9,286	10,014	42.70	48.80	48.10
US.....	44,050	44,350	44,620	10,188	10,193	11,117	44.30	49.40	49.40

<sup>1</sup> Includes quantities used for fresh market and processing.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 326.—Fruits: Arrivals at 4 markets, by commodities, 1987 <sup>1</sup>

Commodity	Baltimore <sup>2</sup>			Boston			New York <sup>4</sup>			Philadelphia		
	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total	Rail, boat, and air	Motor-truck <sup>3</sup>	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Citrus:</b>												
Grapefruit.....	52	243	295	158	293	451	425	335	760	157	120	277
Lemons.....	33	100	133	44	61	105	286	187	453	89	80	169
Limes.....		22	22		55	55		124	124		17	17
Mixed citrus.....	48		48	77		77	326		326	111		111
Oranges.....	95	435	530	602	351	953	1,263	605	1,868	414	231	645
Tangelos.....		22	22		20	20	2	13	15		14	14
Tangerines.....	5	46	51	8	62	70	47	43	90	7	25	32
Temples.....	6	23	29		18	18		20	20		11	11
Citrus, other <sup>5</sup> .....		8	8		17	17	6	5	11	2	10	12
<b>Total.....</b>	<b>239</b>	<b>899</b>	<b>1,138</b>	<b>889</b>	<b>877</b>	<b>1,766</b>	<b>2,355</b>	<b>1,312</b>	<b>3,667</b>	<b>780</b>	<b>508</b>	<b>1,288</b>
<b>Non-citrus:</b>												
Apples.....	73	435	508	389	542	931	757	688	1,445	256	344	600
Apricots.....		4	4		3	3		34	34	1	2	3
Avocados.....		44	44		64	64		101	101		11	12
Bananas.....		72	72		919	919	5,968	410	6,378		430	430
Blueberries.....		9	9		30	30		52	52		8	8
Cherries.....		24	24	3	49	52		105	105	2	31	33
Cranberries.....		1	1		5	5		4	4		1	1
Grapes, table.....	4	289	293	80	377	457	305	383	688	103	199	302
Grapes, juice.....		8	8	16	5	21	8		8	3	2	5
Kiwifruit.....		19	19		9	9	425	335	760	157	120	277
Mangoes.....		19	19		15	15	1	83	84		14	14
<b>Mixed</b>												
deciduous.....	16		16	30		30	17		17			
Nectarines.....	5	67	72	33	81	114	59	126	185	26	77	103
Papaya.....		1	1		1	1		30	30			
Peaches.....	4	115	119	5	193	203	9	312	321	5	131	136
Pears.....	18	128	146	65	129	194	288	226	514	85	126	211
Persimmons.....					1	1	1	5	6			
Pineapples.....	12	55	67	21	64	85	79	86	165	7	38	45
Plantains.....					16	16	7	21	28		15	15
Plums-prunes.....	4	84	88	49	108	157	102	159	261	36	80	116
Pomegranates.....		3	3		2	2		6	6		3	3
Strawberries.....	7	115	122	18	179	197		376	376	5	175	180
Fruits, other <sup>6</sup> .....		2	2		2	4		13	13		2	2
<b>Total.....</b>	<b>143</b>	<b>1,474</b>	<b>1,617</b>	<b>712</b>	<b>2,798</b>	<b>3,510</b>	<b>8,026</b>	<b>3,555</b>	<b>11,581</b>	<b>687</b>	<b>1,809</b>	<b>2,496</b>
<b>Grand total...</b>	<b>382</b>	<b>2,373</b>	<b>2,755</b>	<b>1,601</b>	<b>3,675</b>	<b>5,276</b>	<b>10,381</b>	<b>4,867</b>	<b>15,248</b>	<b>1,467</b>	<b>2,317</b>	<b>3,784</b>

<sup>1</sup> Use of car/carlot equivalents for reporting unloads of fresh fruits was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 369. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981.

<sup>2</sup> Includes Washington.

<sup>3</sup> Estimated percentages of completeness for reported truck arrivals for 1987 are as follows: Baltimore 90, Boston 95, New York 85, and Philadelphia 90.

<sup>4</sup> Includes Newark.

<sup>5</sup> Not otherwise specified.

Agricultural Marketing Service.

Table 327.—Fruits, fresh: Arrivals at 4 markets, by commodities, 1987<sup>1</sup>

Commodity	Atlanta			Chicago			Los Angeles			San Francisco <sup>3</sup>		
	Rail, boat, and air	Motor truck <sup>2</sup>	Total	Rail, boat, and air	Motor truck <sup>2</sup>	Total	Rail, boat, and air	Motor truck <sup>2</sup>	Total	Rail, boat, and air	Motor truck <sup>2</sup>	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
<b>Citrus:</b>												
Grapefruit.....		139	139	47	372	419		349	349		351	351
Lemons.....		116	116	192	136	328		334	334		165	165
Limes.....		18	18		44	44		219	219		98	98
Mixed citrus.....				137		137						
Oranges.....		332	332	1,128	933	2,061		1,455	1,455		1,023	1,023
Tangelos.....		9	9		8	8		34	34		34	34
Tangerines.....		24	24	26	47	73		55	55		81	81
Templets.....		18	18		8	8						
Citrus, other <sup>4</sup> .....												
<b>Total.....</b>	<b>0</b>	<b>656</b>	<b>656</b>	<b>1,530</b>	<b>1,548</b>	<b>3,078</b>	<b>0</b>	<b>2,446</b>	<b>2,446</b>	<b>0</b>	<b>1,752</b>	<b>1,752</b>
<b>Noncitrus:</b>												
Apples.....	34	323	357	57	912	969	32	2,265	2,297		1,520	1,520
Apricots.....					5	5	1	30	31		24	24
Avocados.....		20	20		1,629	1,629		356	356		349	349
Bananas.....		574	574		66	66	4,048		4,048		1,999	1,999
Blueberries.....		4	4		6	6		15	15		8	8
Cherries.....		8	8	2	37	39	2	99	101		76	76
Cranberries.....					2	2					3	3
Grapes, table.....		212	212	325	484	809	192	618	810		530	530
Grapes, juice.....				68	7	75						
Kiwifruit.....		2	2					29	29			
Mangoes.....								135	135			
Mixed deciduous.....				139		139						
Nectarines.....		28	28	56	134	190	31	170	201		140	140
Papaya.....							85	15	100			
Peaches.....		79	79	13	136	149	13	291	304	1	176	177
Pears.....		47	47	20	258	278	13	453	466		377	377
Persimmons.....												
Pineapples.....	2	62	64				244	5	249			
Plantains.....							1	22	23			
Plums-prunes.....		44	44	49	94	143	21	162	183		102	102
Pomegranates.....		1	1									
Strawberries.....		93	93	6	241	247	4	231	235	1	207	208
Fruits, other <sup>4</sup> .....												
<b>Total.....</b>	<b>36</b>	<b>1,497</b>	<b>1,533</b>	<b>735</b>	<b>4,011</b>	<b>4,746</b>	<b>4,687</b>	<b>4,896</b>	<b>9,583</b>	<b>2</b>	<b>5,511</b>	<b>5,513</b>
<b>Grand total...</b>	<b>36</b>	<b>2,153</b>	<b>2,189</b>	<b>2,265</b>	<b>5,559</b>	<b>7,824</b>	<b>4,687</b>	<b>7,342</b>	<b>12,029</b>	<b>2</b>	<b>7,263</b>	<b>7,265</b>

<sup>1</sup> Use of car/carlot equivalents for reporting unloads of fresh fruits was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 369. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981.

<sup>2</sup> Estimated percentages of completeness for reported truck arrivals for 1987 are as follows: Atlanta 90, Chicago 90, Los Angeles 85, and San Francisco 90.

<sup>3</sup> Includes Oakland.

<sup>4</sup> Not otherwise specified.

Agricultural Marketing Service.

Table 328.—Fruits, fresh: Total reported domestic rail, truck, and air shipments, 1987<sup>1</sup>

Commodity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Citrus:	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Grapefruit.....	2,629	2,978	2,608	2,148	874	194	77	26	85	1,233	2,057	2,550	17,409
Lemons.....	889	745	778	776	1,017	982	858	910	630	778	734	742	9,789
Limes.....	78	62	59	71	75	78	102	98	82	93	78	73	949
Mixed citrus.....	28	32	47	37	41	37	27	17	13	9	7	5	800
Oranges.....	4,741	4,065	4,528	4,939	5,863	2,755	1,883	1,978	1,946	2,091	3,350	5,525	43,644
Tangelos.....	224	48	7	2	4	.....	.....	.....	.....	20	231	551	1,087
Tangerines.....	216	223	182	49	6	.....	.....	.....	.....	77	165	318	1,236
Temple.....	382	325	102	6	4	.....	.....	.....	.....	.....	.....	24	843
Citrus, other <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	2	129	20	.....	151
Total.....	9,187	8,478	8,311	8,028	7,884	3,996	2,947	3,029	2,708	4,480	6,642	9,788	75,428
Non-citrus:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apples.....	3,498	3,171	3,056	2,789	2,307	1,291	918	1,316	3,125	4,716	3,763	4,070	34,020
Apricots.....	.....	.....	.....	.....	122	128	50	11	.....	.....	.....	.....	311
Avocados.....	484	389	401	452	611	483	525	660	515	582	365	411	5,878
Blueberries.....	.....	.....	.....	.....	2	87	187	31	.....	.....	.....	.....	307
Cranberries.....	.....	.....	.....	.....	.....	.....	.....	.....	13	36	51	23	123
Cherries.....	.....	.....	.....	.....	410	1,019	286	.....	.....	.....	.....	.....	1,715
Grapes, table.....	.....	.....	.....	.....	64	1,777	2,114	2,498	2,248	1,720	1,296	607	12,550
Grapes, juice.....	205	19	2	.....	.....	.....	.....	42	1,163	148	3	.....	1,356
Kiwifruit.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	65	90	461
Mangoes.....	80	72	86	50	14	2	33	18	2	.....	.....	.....	69
Mixed deciduous.....	.....	.....	.....	.....	14	139	131	85	46	11	20	14	460
Nectarines.....	.....	.....	.....	.....	1	186	1,239	1,408	944	381	12	.....	4,171
Papaya.....	39	31	28	36	36	39	41	43	41	57	54	54	499
Peaches.....	.....	.....	.....	5	604	1,671	1,985	1,925	796	23	.....	.....	7,009
Pears.....	577	424	389	392	427	166	393	694	943	1,374	927	776	7,482
Persimmons.....	3	1	.....	.....	.....	.....	.....	.....	2	23	24	4	57
Pineapples.....	194	198	215	239	226	239	249	221	215	221	199	195	2,611
Plums-fresh prunes.....	.....	.....	.....	.....	322	1,298	1,772	1,144	385	103	5	.....	5,029
Pomegranates.....	.....	.....	.....	.....	.....	.....	.....	9	41	45	16	3	114
Strawberries.....	120	132	558	1,786	1,500	816	539	385	249	115	20	34	6,254
Fruits, other <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	1	.....	3
Total.....	5,200	4,437	4,735	5,750	6,845	10,413	10,632	10,021	10,166	9,190	6,809	6,281	90,479
Grand total.....	14,387	12,915	13,046	13,778	14,729	14,409	13,579	13,050	12,874	13,620	13,451	16,069	165,907

<sup>1</sup> Use of car/carlot equivalents for reporting shipments of fresh fruit was discontinued at the close of calendar year 1977. Rail and boat shipment totals of specified commodities for 1963-1977 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 370.

<sup>2</sup> Not otherwise specified.

Agricultural Marketing Service.

Table 329.—Fruits, noncitrus: Production, utilization, and value, United States, 1973-87<sup>1</sup>

Year	Utilized production	Fresh <sup>2</sup>	Processed						Value of utilized production
			Canned	Dried	Juice	Frozen	Wine	Other	
1973.....	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 dollars
1973.....	11,694	3,465	2,819	1,795	598	254	2,567	196	1,988,135
1974.....	11,861	4,270	2,250	1,655	768	223	2,416	279	1,987,805
1975.....	12,305	4,734	2,056	1,920	863	251	2,276	205	1,919,399
1976.....	11,769	4,564	1,942	1,661	818	254	2,322	208	2,081,819
1977.....	12,216	4,531	2,060	1,870	841	244	2,412	258	2,533,727
1978.....	12,460	4,166	2,549	1,365	1,140	257	2,672	311	3,034,322
1979.....	13,689	4,358	2,758	2,044	1,285	226	2,713	305	3,404,222
1980.....	15,152	5,010	2,747	2,408	1,418	251	2,996	322	3,491,419
1981.....	12,961	4,708	2,263	1,722	1,235	231	2,522	280	3,586,740
1982.....	14,217	4,696	2,332	2,163	1,255	227	3,227	317	3,480,072
1983.....	13,707	4,805	2,123	2,481	1,445	185	2,423	245	3,580,800
1984.....	13,796	4,979	2,272	2,060	1,322	245	2,693	225	3,316,540
1985.....	13,689	4,600	2,274	2,192	1,220	263	2,919	212	3,418,919
1986.....	13,407	4,848	2,209	1,667	1,138	286	2,907	259	3,741,587
1987 <sup>2</sup> .....	15,393	5,597	2,378	2,354	1,795	307	2,648	314	3,795,603

See footnotes on page 227.

Table 330.—Fruit juices, canned: United States packs, 1973-86

Season	Citrus juices <sup>1</sup>				Pineapple juice <sup>2</sup>	Apple juice
	Grapefruit	Orange	Blended orange and grapefruit	Tangerine and tangerine blends		
	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>	1,000 cases <sup>3</sup>
1973.....	29,001	13,819	1,983	18	11,350	12,852
1974.....	21,629	13,294	1,723	12	8,448	14,544
1975.....	25,821	13,460	2,769	19	8,713	15,013
1976.....	27,689	14,435	1,584	35	10,205	15,719
1977.....	26,379	15,829	1,945	8	11,377	17,056
1978.....	25,175	18,905	1,138	19	11,336	20,804
1979.....	24,228	18,367	1,534	17	12,186	25,305
1980.....	19,429	17,604	1,082	9	12,405	25,131
1981.....	20,429	13,730	812	6	13,373	26,761
1982.....	* 11,651	* 9,802	* 650	4	( <sup>5</sup> )	( <sup>5</sup> )
1983.....	* 9,513	* 9,084	* 555	1	( <sup>5</sup> )	( <sup>5</sup> )
1984.....	* 10,552	* 7,425	* 615	1	( <sup>5</sup> )	( <sup>5</sup> )
1985.....	* 9,948	* 7,597	* 577	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1986.....	* 9,027	* 8,122	* 533	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )

<sup>1</sup> Excluding citrus concentrates.<sup>2</sup> Hawaii and foreign operations.<sup>3</sup> Equivalent cases of 24 No. 2 cans.<sup>4</sup> Florida only.<sup>5</sup> Not available.

Economic Research Service. Based on data obtained from various canners' associations and individual canners.

Table 331.—Fruits, dried: Production (dry basis), United States, 1973-87

Year	Apples	Apricots	Dates	Figs	Peaches	Pears	Prunes <sup>1</sup>	Raisins	Total
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
1973.....	15,481	3,260	23,100	11,220	1,500	790	161,760	224,550	441,661
1974.....	12,325	2,640	22,700	11,430	1,750	700	<sup>2</sup> 105,221	242,150	398,916
1975.....	14,344	4,500	24,800	8,840	2,375	980	<sup>2</sup> 102,695	283,650	442,184
1976.....	14,331	4,650	22,400	7,000	2,500	1,270	<sup>2</sup> 106,322	<sup>3</sup> 218,400	376,873
1977.....	14,094	5,100	25,400	11,000	2,500	1,130	<sup>2</sup> 116,414	248,900	424,538
1978.....	13,813	3,600	21,550	6,930	2,000	855	<sup>2</sup> 94,966	172,500	315,675
1979.....	15,982	5,300	21,300	10,240	1,800	1,530	<sup>2</sup> 95,451	303,400	455,003
1980.....	12,169	3,600	22,400	11,400	2,200	1,500	<sup>2</sup> 124,499	310,550	488,318
1981.....	11,875	3,800	22,300	10,150	2,050	1,440	<sup>2</sup> 120,675	258,000	430,290
1982.....	13,119	4,800	23,300	9,650	2,600	1,200	<sup>2</sup> 88,692	295,300	439,261
1983.....	17,707	4,100	17,000	9,000	2,000	1,070	<sup>2</sup> 112,501	398,500	561,878
1984.....	18,038	3,520	22,200	9,800	1,550	780	<sup>2</sup> 110,227	335,350	501,465
1985.....	15,150	2,000	28,900	8,570	2,050	1,310	<sup>2</sup> 104,140	347,940	510,060
1986.....	12,450	1,400	17,800	12,050	1,800	1,410	<sup>2</sup> 65,796	278,900	391,606
1987 *.....	16,300	2,820	19,400	13,200	1,950	1,130	<sup>2</sup> 248,346	358,000	661,646

<sup>1</sup> Excludes quantities not harvested and/or excess cullage of harvested prunes. Excludes prunes used for juice and concentrates.<sup>2</sup> Excludes Oregon.<sup>3</sup> Excludes 65,000 tons laid but not harvested. Includes 72,600 tons substandard diverted for distilling purposes.<sup>4</sup> Preliminary.

Economic Research Service. Compiled from reports of the Department and trade sources. All data on a natural condition basis.

## FOOTNOTES FOR TABLE 329

<sup>1</sup> Includes the following crops: Apples, apricots, avocados, bananas, bushberries (through 1981), cherries, cranberries, dates, figs, grapes, kiwifruit (beginning 1980), nectarines, olives, papayas, peaches, pears, pineapples, pomegranates, and prunes and plums. Persimmons discontinued after 1977.<sup>2</sup> Includes "Home Use", local and roadside sales.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 332.—Fruits, dried: Commercial production in specified countries, 1985/86–1987/88**

Commodity/country	1985/86	1986/87	1987/88 <sup>1</sup>	Commodity/country	1985/86	1986/87	1987/88 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Prunes:				Raisins:			
Argentina .....	9,000	6,000	10,000	Argentina .....	5,500	6,000	7,000
Australia .....	3,810	4,550	1,500	Australia .....	89,395	68,812	72,500
Chile .....	9,300	8,700	10,000	Chile .....	9,000	9,000	10,500
France .....	25,742	35,978	30,380	Greece .....	90,000	69,000	56,000
South Africa .....	2,351	2,121	2,400	Mexico .....	21,145	12,500	22,200
United States .....	127,910	89,810	206,840	South Africa .....	37,685	30,595	25,500
Yugoslavia .....	18,700	11,870	12,387	Turkey .....	120,000	110,000	106,000
Total .....	196,813	159,029	273,507	United States .....	315,645	253,015	324,770
				Total .....	688,370	553,922	624,470

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 333.—Fruits, frozen: Commercial pack, by kinds and areas, United States, 1987<sup>1</sup>**

Commodity	Northeast <sup>2</sup>	South <sup>3</sup>	Midwest <sup>4</sup>	West <sup>5</sup>	Total
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Apples .....	<sup>9</sup> 45,974		48,216	23,209	122,399
Apricots .....				22,227	22,227
Cherries, sweet .....			<sup>10</sup> 6,408	14,924	21,332
Grapes and pulp .....					( <sup>6</sup> )
Peaches .....				<sup>10 11</sup> 105,764	105,764
Plums and prunes .....				<sup>10 11</sup> 657	657
Purees, noncitrus <sup>8</sup> .....			<sup>9 10</sup> 2,053	37,696	39,749
Berries:					
Blackberries .....				<sup>10 11</sup> 21,027	21,027
Blueberries .....	<sup>9</sup> 40,839		23,283	5,031	69,153
Boysenberries .....				5,234	5,234
Loganberries .....				1,016	1,016
Raspberries, black .....			<sup>10</sup> 2,001		2,001
Raspberries, red .....				<sup>10 11</sup> 24,470	24,470
Strawberries .....			<sup>9</sup> 4,305	330,101	334,406
Citrus juices <sup>7</sup> .....		1,599,370			1,599,370
Miscellaneous fruits and berries <sup>9</sup> .....				<sup>9 11</sup> 80,727	80,727
Total .....	86,813	1,599,370	86,266	677,083	2,449,532

See footnotes on page 231.

Table 334.—Fruits, frozen: Commercial pack, United States, 1978-87

Commodity	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Apples.....	68,337	60,827	69,109	105,893	100,378	75,576	77,996	85,481	111,133	122,399
Apricots.....	11,814	16,941	10,409	13,606	16,766	14,077	16,565	11,770	14,308	22,227
Cherries, sweet.....	18,362	13,262	10,776	14,209	17,206	17,303	13,282	10,262	14,404	21,332
Grapes and pulp.....	4,529	2,264	2,178	2,901	8,442	10,006	( <sup>1</sup> )	4,715	( <sup>1</sup> )	( <sup>1</sup> )
Peaches.....	40,814	62,510	56,274	59,612	56,714	56,454	75,877	80,990	100,730	105,764
Plums and prunes.....	2,774	5,649	6,195	4,348	5,631	2,646	3,436	4,400	4,354	657
Purees, noncitrus.....	16,338	12,251	8,913	16,128	20,268	16,169	15,645	24,655	29,424	39,749
Berries:										
Blackberries.....	19,579	14,823	20,874	16,997	16,283	14,581	11,130	12,681	12,955	21,027
Blueberries.....	27,992	31,485	36,426	50,141	46,464	43,528	54,835	54,506	77,754	69,153
Boysenberries.....	3,048	2,732	4,678	3,627	5,101	3,549	3,524	2,561	5,493	5,234
Currants.....	654	475	461	330	555	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Loganberries.....	2,089	1,276	1,905	1,552	1,665	2,223	1,018	775	1,133	1,016
Ollalieberries.....	2,886	3,082	3,646	374	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Raspberries.....	21,195	23,518	21,426	26,179	26,717	19,855	19,659	14,784	15,323	26,471
Strawberries.....	159,834	190,572	253,072	210,558	272,676	292,662	231,414	229,152	237,604	334,406
Citrus juices <sup>2</sup> .....	1,726,514	1,901,847	2,403,811	1,809,524	1,643,272	1,726,906	1,223,389	1,402,320	1,551,722	1,599,370
Miscellaneous fruits and berries.....	16,021	16,897	18,051	16,620	19,449	5,640	37,839	16,148	22,960	80,727
Total.....	2,142,780	2,360,411	2,928,204	2,352,599	2,257,587	2,301,175	1,785,609	1,955,200	2,199,297	2,449,532

<sup>1</sup> Included in miscellaneous fruits and berries.<sup>2</sup> Florida only. Calendar year estimate.

Economic Research Service. Data from American Frozen Food Institute and Florida Citrus Processor Association.

Table 335.—Fruit and juices: Cold-storage holdings, end of month, United States, 1986 and 1987

Month	Fresh		Frozen					
	Apples		Apples		Blueberries		Cherries	
	1986	1987	1986	1987	1986	1987	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	2,125,218	2,307,835	69,361	69,771	55,079	44,734	152,141	140,891
February.....	1,550,163	1,720,812	69,251	70,840	47,887	39,060	139,872	121,621
March.....	1,039,060	1,174,506	74,506	74,121	37,897	32,548	125,268	107,536
April.....	612,552	751,870	71,947	70,081	32,275	27,322	115,598	96,820
May.....	266,857	386,278	70,996	67,199	25,797	21,974	107,656	86,882
June.....	118,775	203,856	66,451	58,389	20,367	17,950	100,834	86,124
July.....	25,413	74,887	59,861	53,476	27,743	34,742	204,698	233,472
August.....	7,948	4,237	54,534	41,768	69,531	68,659	210,921	230,604
September.....	2,349,540	2,687,120	44,430	40,956	68,264	71,665	199,419	208,050
October.....	4,142,547	5,390,120	47,387	44,426	64,065	67,306	197,738	197,847
November.....	3,532,240	4,697,166	56,898	62,437	57,123	59,534	182,831	190,067
December.....	2,891,674	3,311,615	67,289	66,982	49,568	50,707	169,600	160,814

  

Month	Frozen—Continued					
	Strawberries		Total frozen fruit		Orange juice	
	1986	1987	1986	1987	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	137,719	128,042	656,242	634,940	888,408	874,755
February.....	123,956	115,663	597,096	563,678	966,839	1,012,673
March.....	110,216	100,497	537,480	504,359	911,509	933,783
April.....	104,243	141,021	493,857	496,181	1,031,562	998,953
May.....	111,298	192,635	461,445	512,348	1,047,501	1,109,084
June.....	233,489	311,750	558,112	627,559	1,056,883	1,105,056
July.....	242,981	330,426	719,601	875,339	920,308	942,070
August.....	226,730	319,332	741,078	914,068	855,272	792,632
September.....	198,831	301,469	740,739	897,675	715,368	839,966
October.....	187,729	279,975	834,467	997,325	577,830	652,805
November.....	165,918	258,375	777,588	947,888	524,761	569,036
December.....	146,616	236,009	720,850	855,192	621,160	662,352

National Agricultural Statistics Service.

Table 336.—Canned fruits and fruit juices: <sup>1</sup> Cannery's beginning of season, United States, 1984-87

Commodity	Season beginning—	Cannery's stocks				
		1984	1984	1985	1986	1987
		<i>1,000 cases</i> <sup>2</sup>	<i>1,000 cases</i> <sup>3</sup>	<i>1,000 cases</i> <sup>3</sup>	<i>1,000 cases</i> <sup>3</sup>	<i>1,000 cases</i> <sup>3</sup>
<b>Canned fruits:</b>						
Apricots.....	June 1.....	153	123	544	364	38
Cherries, red pitted.....	July 1.....	8	7	93	61	38
Cherries, sweet.....	June 1.....	287	200	131	160	96
Peaches.....	June 1.....	<sup>4</sup> 1,729	<sup>4</sup> 1,140	<sup>4</sup> 4,191	5,995	3,592
Pears.....	June 1.....	2,225	1,563	1,645	3,018	1,666
Purple plums.....	June 1.....	95	95	184	281	317
Fruit cocktail.....	June 1.....	3,529	2,211	2,329	4,039	2,971
<b>Canned juices:</b>						
Grapefruit.....	Oct. 1.....	1,454	1,704	1,288	1,515	1,471
Orange.....	Oct. 1.....	1,220	1,187	889	987	1,024
Blended orange and grapefruit.....	Oct. 1.....	124	100	136	126	126

See footnotes on page 231.



Table 337.—Fruits: Total and per capita consumption, United States, 1973-87 <sup>1</sup>

Year	Fruits used fresh							
	Total fruit		Citrus fruit <sup>2</sup>		Noncitrus fruits <sup>3</sup>		Canned fruits <sup>4</sup>	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1973.....	16,439	77.5	5,812	27.4	10,627	50.7	2,669	12.6
1974.....	16,890	78.9	5,863	27.4	11,027	51.5	2,518	11.8
1975.....	18,269	84.5	6,345	29.4	11,924	55.1	2,539	11.8
1976.....	18,303	83.8	6,330	29.0	11,973	54.8	2,663	12.2
1977.....	18,055	81.8	5,784	28.2	12,271	55.6	2,731	12.4
1978.....	18,503	83.0	5,909	28.6	12,594	56.4	2,419	10.9
1979.....	18,853	83.7	5,557	24.7	13,296	59.0	2,447	10.9
1980.....	20,404	89.5	6,573	28.9	13,831	60.6	2,428	10.7
1981.....	19,830	86.1	5,750	25.0	14,080	61.1	2,295	10.0
1982.....	20,177	86.7	5,749	24.7	14,428	62.0	2,246	9.6
1983.....	21,528	91.6	6,880	29.3	14,648	62.3	2,170	9.2
1984.....	21,610	91.1	5,686	24.0	15,924	67.1	2,116	8.9
1985.....	21,452	89.5	5,609	23.4	15,843	66.1	2,023	8.4
1986.....	23,363	96.6	6,646	27.5	16,717	69.1	2,023	8.4
1987 <sup>5</sup> .....	24,928	101.7	6,869	28.2	18,059	73.5	2,133	8.7

  

Year	Canned juice <sup>6</sup>		Chilled juice <sup>7</sup>		Frozen fruit and juice <sup>8</sup>		Dried fruits <sup>9</sup>	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1973.....	1,596	7.5	1,093	5.2	2,540	12.0	495	2.3
1974.....	1,540	7.2	1,093	5.7	2,554	12.0	478	2.3
1975.....	1,595	7.4	1,204	5.6	3,005	13.9	589	2.7
1976.....	1,616	7.4	1,315	6.0	2,934	13.5	521	2.4
1977.....	1,514	6.9	1,237	5.6	3,063	13.9	508	2.3
1978.....	1,796	8.1	1,335	6.0	2,764	12.5	419	1.9
1979.....	1,696	7.5	1,214	5.4	2,801	12.5	524	2.3
1980.....	1,646	7.2	1,319	5.8	2,922	12.8	505	2.2
1981.....	1,635	7.2	944	4.1	2,902	12.6	566	2.5
1982.....	1,349	5.8	806	3.5	3,256	14.0	633	2.7
1983.....	1,124	4.8	961	4.1	3,531	15.0	650	2.8
1984.....	1,051	4.4	862	3.6	3,203	13.5	679	2.9
1985.....	903	3.8	762	3.2	3,617	15.1	693	2.9
1986.....	852	3.5	899	3.7	3,873	16.0	716	3.0
1987 <sup>5</sup> .....	875	3.6	1,085	.....	3,837	15.8	767	3.1

<sup>1</sup> Fresh citrus fruits and apples are on a crop-year basis. Dried fruits are on a pack-year basis. The per capita consumption was obtained by dividing the total consumption by total population. <sup>2</sup> Oranges, tangerines, tangelos, temple lemons, limes, and grapefruits. <sup>3</sup> Apples, apricots, avocados, bananas, cherries, cranberries, figs, grapes, beginning 1983 included kiwifruit, nectarines, peaches, pears, pineapples, papayas, plums and prunes, strawberries, and miscellaneous fruits. <sup>4</sup> Apricots, berries, cherries (including brined), fruit cocktail and salads, peaches, pears, plums and prunes, and olives (including brined). <sup>5</sup> Preliminary. <sup>6</sup> Orange, grapefruit, blended citrus, lemon and limes, fruit nectars, grapes, and prunes. <sup>7</sup> Orange and grapefruit. <sup>8</sup> Cherries, apples, peaches, apricots, strawberries, other berries, grapes and pulp, miscellaneous fruits and citrus juice. <sup>9</sup> Dates, figs, prunes, and raisins. Excludes unmarketable figs, standard prunes, and prunes used for juice and concentrate. Dried data are in terms of processed dried weight.

Economic Research Service.

## FOOTNOTES FOR TABLE 333

<sup>1</sup> Includes the commercial pack only and does not include quantities produced in frozen food locker plants. <sup>2</sup> Connecticut, Maine, Massachusetts, New Jersey, New York, Pennsylvania, Rhode Island and Vermont. <sup>3</sup> Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. <sup>4</sup> Illinois, Indiana, Michigan, Minnesota, Nebraska, Ohio, and Wisconsin. <sup>5</sup> Arizona, California, Colorado, Hawaii, Idaho, Montana, Oregon, Utah, and Washington. <sup>6</sup> 1987 data includes purees of apples, apricot, banana, blackberry, blueberry, guava, loganberry, cherry, boysenberry, grape, marionberry, nectarine, peach, pears, plum, black and red raspberry, strawberry and watermelon. <sup>7</sup> Calendar year estimate. (See table 280 for packs of concentrated grapefruit and orange juice in gallons, pack-year basis.) <sup>8</sup> 1987 data includes cherries, RSP, cranberries, elderberries, gooseberries, grapes, guava, kiwi, melon, mixed fruit, marionberries, olallieberries, oranges, and pears. <sup>9</sup> Includes pack in South. <sup>10</sup> Includes pack in Northeast. <sup>11</sup> Includes pack in Midwest.

Economic Research Service. Data from American Frozen Food Institute and Florida Citrus Processor Association.

**Table 338.—Tree nuts (shelled basis): Supply and utilization, United States, 1973-86 <sup>1</sup>**

Crop year	United States production <sup>2</sup>	Imports <sup>3</sup>	Beginning stocks	Total supply	Exports <sup>3</sup>	Ending stocks	Total disappearance	Per capita
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Pounds
1973	412,833	152,430	55,856	621,119	115,594	127,715	377,810	1.77
1974	395,481	116,389	127,715	639,585	144,666	152,883	342,036	1.59
1975	431,375	166,993	152,883	751,251	189,575	136,774	424,902	1.96
1976	455,224	161,400	136,774	753,398	218,106	114,482	420,810	1.92
1977	561,854	106,371	114,482	782,707	235,528	156,403	390,776	1.76
1978	410,003	124,753	156,403	691,159	175,463	127,422	388,274	1.73
1979	626,518	121,923	127,422	875,863	296,684	172,762	406,417	1.79
1980	577,552	101,117	172,762	851,431	262,446	169,098	419,887	1.83
1981	738,100	92,598	169,098	999,796	278,518	275,367	445,911	1.93
1982	683,977	122,721	275,367	1,055,450	234,706	315,418	505,326	2.16
1983	544,824	146,545	315,418	1,000,133	225,789	223,071	551,273	2.34
1984	875,619	139,944	223,071	1,210,452	320,232	331,770	558,450	2.34
1985	757,759	151,204	331,770	1,240,733	389,663	264,833	586,237	2.44
1986	558,410	143,096	264,833	966,339	237,126	183,262	545,951	2.25

<sup>1</sup> Includes almonds, filberts, pecans, walnuts, Brazil nuts, pignolias, pistachios, chestnuts, cashews, miscellaneous tree nuts, and macadamias.

<sup>2</sup> Almonds, filberts, walnuts, pecans, and macadamias; no reports on other nuts. Excludes quantities unharvested and culls not used or used for oil.

<sup>3</sup> Foreign trade data on a crop-year basis, beginning July 1 or Aug. 1 of year indicated.

Economic Research Service.

**Table 339.—Tree nuts: Commercial production in specified countries, 1985-87**

Commodity and country	1985	1986 <sup>1</sup>	1987 <sup>1</sup>	Commodity and country	1985	1986 <sup>1</sup>	1987 <sup>1</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
Almonds (shelled basis):				Filberts (in the shell)—Con.			
Greece	14	15	9	Turkey	210	300	290
Italy	15	17	12	United States	22	14	20
Morocco	6	7	6	Total	382	423	445
Portugal	3	3	4	Walnuts (in the shell):			
Spain	65	50	70	France	23	24	25
Turkey	10	12	9	India	22	23	20
United States	211	113	299	Italy	14	12	20
Total	324	217	409	Turkey	70	68	65
Filberts (in the shell):				United States	199	163	224
Italy	120	90	100	Total	328	290	354
Spain	30	19	35				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

## FOOTNOTES FOR TABLE 336

<sup>1</sup> Canners' stocks for citrus products are Florida only 24/2 cases.

<sup>2</sup> Actual cases.

<sup>3</sup> 24/2½ cases.

<sup>4</sup> Clingstone peaches only.

Economic Research Service. Compiled from various canners' associations.

**Table 340.—Almonds (shelled basis): Production, season average price per pound, and value, California, 1973-87**

Year	Production	Price	Value	Year	Production	Price	Value
	<i>Million pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Million pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1973 .....	155.0	128.8	199,660	1981 .....	408.0	78.0	299,520
1974 .....	230.0	74.0	170,100	1982 <sup>1</sup> .....	347.0	94.0	311,140
1975 .....	186.0	63.7	118,400	1983 <sup>1</sup> .....	242.0	104.0	231,920
1976 .....	284.0	64.8	184,032	1984 .....	590.0	77.4	446,134
1977 .....	313.0	84.5	264,485	1985 .....	465.0	80.0	360,640
1978 .....	181.0	145.0	262,450	1986 .....	250.0	192.0	461,568
1979 .....	376.0	153.0	575,280	1987 <sup>2</sup> .....	660.0	95.0	615,600
1980 .....	322.0	147.0	473,340				

<sup>1</sup> Price and value are based on edible portion of the crop only. Included in production are inedible quantities of no value as follows (million pounds): 1982—16.0; 1983—19.0; 1984—13.6; 1985—14.3; 1986—9.80. <sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 341.—Almonds (shelled basis <sup>1</sup>): Foreign trade, United States, 1973-86**

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>1,000 metric tons</i>		<i>Metric tons</i>	<i>1,000 metric tons</i>		<i>Metric tons</i>	<i>1,000 metric tons</i>
1973 .....	41	35	1978 .....	200	43	1983 .....	64	63
1974 .....	58	47	1979 .....	63	87	1984 .....	110	128
1975 .....	220	50	1980 .....	23	75	1985 .....	182	120
1976 .....	604	61	1981 .....	55	75	1986 .....	707	74
1977 .....	88	62	1982 .....	344	58			

<sup>1</sup> Imports of unshelled nuts converted to shelled basis at ratio of 2.0 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.0 to 1.2.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 342.—Filberts (in the shell): Production, season average price per ton, and value, United States, 1973-87**

Year	Oregon			Washington			Oregon and Washington		
	Production <sup>1</sup>	Price	Value	Production <sup>1</sup>	Price	Value	Production <sup>1</sup>	Price	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973 .....	11,700	570	6,669	550	635	349	12,250	573	7,018
1974 .....	6,400	560	3,584	300	565	170	6,700	560	3,754
1975 .....	11,800	610	7,198	320	595	190	12,120	610	7,388
1976 .....	6,950	640	4,448	220	635	140	7,170	640	4,588
1977 .....	11,400	687	7,832	350	674	236	11,750	687	8,068
1978 .....	13,700	805	11,029	350	835	292	14,050	806	11,321
1979 .....	12,700	951	12,078	300	970	291	13,000	951	12,369
1980 .....	15,100	1,151	17,386	300	1,181	354	15,400	1,152	17,740
1981 .....	14,400	786	11,319	300	770	231	14,700	786	11,550
1982 .....	18,400	680	12,512	400	677	271	18,800	680	12,783
1983 .....	8,000	554	4,432	200	720	144	8,200	558	4,576
1984 .....	13,200	617	8,144	200	875	175	13,400	621	8,319
1985 .....	24,300	677	16,451	300	957	287	24,600	680	16,738
1986 .....	14,900	724	10,788	200	895	179	15,100	726	10,967
1987 <sup>2</sup> .....	21,500	956	20,554	300	1,160	348	21,800	959	20,902

<sup>1</sup> Production is the quantity sold or utilized. Excludes unharvested production for Oregon as follows: 500 tons in 1974. <sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 343.—Filberts (shelled basis <sup>1</sup>): Foreign trade, United States, 1973-86

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
1973.....	5,932	849	1978.....	4,027	1,496	1983.....	4,008	1,245
1974.....	1,830	303	1979.....	2,118	3,025	1984.....	3,497	1,272
1975.....	3,854	419	1980.....	1,728	2,137	1985.....	1,780	3,766
1976.....	5,830	604	1981.....	2,494	1,520	1986.....	1,844	2,579
1977.....	3,443	993	1982.....	2,760	1,551			

<sup>1</sup> Imports of unshelled nuts converted to shelled basis at ratio of 2.22 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 344.—Macadamia nuts (in the shell): Area, yield, production, price, and value, Hawaii, 1973-87

Year	Area harvested	Yield per harvested acre <sup>1</sup>	Production	Price per pound	Value	Year	Area harvested	Yield per harvested acre <sup>1</sup>	Production	Price per pound	Value
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1973.....	5,080	2.4	12,124	25.5	3,092	1981.....	10,000	3.3	33,360	79.3	26,454
1974.....	5,760	2.8	16,370	32.0	5,238	1982.....	10,200	3.6	36,720	73.9	27,136
1975.....	6,080	3.0	18,210	31.6	5,754	1983.....	10,600	3.4	36,420	65.7	23,928
1976.....	6,300	3.0	18,990	36.9	7,007	1984.....	12,000	3.1	37,700	69.2	26,088
1977.....	6,300	3.1	19,680	40.8	8,029	1985.....	13,500	3.1	42,000	72.5	30,450
1978.....	9,200	2.3	20,980	53.8	11,287	1986.....	14,400	3.1	44,000	80.0	35,200
1979.....	9,600	2.8	26,660	62.9	16,769	1987 <sup>2</sup> .....	15,600	2.7	42,700	84.0	35,868
1980.....	10,000	3.3	33,390	72.4	24,174						

<sup>1</sup> Derived from total production.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 345.—Pecans (in the shell): Production, season average price per pound, and value, United States, 1973-87

Year	Improved varieties			Native and seedling			All pecans		
	Production	Price	Value	Production	Price	Value	Production	Price	Value
	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1973.....	145,200	42.6	61,793	130,500	30.3	39,494	275,700	36.7	101,287
1974.....	86,800	52.5	45,542	50,300	38.2	19,199	137,100	47.2	64,741
1975.....	110,100	46.5	51,164	136,700	34.4	47,036	246,800	39.8	98,200
1976.....	77,300	87.5	67,603	25,800	63.5	16,380	103,100	81.5	83,983
1977.....	137,900	66.0	91,015	98,700	46.0	45,444	236,600	57.7	136,459
1978.....	164,500	64.5	106,170	85,400	52.8	45,080	249,900	60.5	151,250
1979.....	101,100	70.0	70,742	109,500	41.9	45,921	210,600	55.4	116,663
1980.....	128,500	84.8	109,015	55,000	62.3	34,254	183,500	78.1	143,269
1981.....	174,550	64.7	112,987	164,550	43.7	71,855	339,100	54.5	184,842
1982.....	169,000	72.6	122,776	49,600	49.8	24,715	218,600	67.5	147,491
1983.....	167,250	67.7	113,199	102,750	44.0	45,190	270,000	58.7	158,389
1984.....	169,230	68.2	115,406	63,170	46.6	29,424	232,400	62.3	144,830
1985.....	152,500	79.1	120,582	91,900	49.7	45,706	244,400	68.0	166,288
1986.....	182,650	79.3	144,765	90,050	57.6	51,884	272,700	72.1	196,649
1987 <sup>1</sup> .....	179,650	60.1	107,953	82,550	37.7	31,156	262,200	53.1	139,109

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 346.—Pecans (in the shell): Production and season average price per pound, by States, 1985-87**

Item and State	Production			Price for crop of—		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	Cents	Cents	Cents
<b>IMPROVED VARIETIES</b>						
AL.....	9,600	9,600	13,750	57.0	88.0	42.0
AR.....	1,000	900	800	80.0	88.0	76.0
FL.....	1,600	3,100	3,100	70.0	67.2	72.0
GA.....	74,000	100,000	100,000	70.5	71.5	56.0
LA.....	2,000	4,000	2,500	60.0	70.0	66.0
MI.....	3,500	4,500	8,000	72.6	91.5	58.9
NM.....	29,000	27,000	25,000	95.0	91.0	65.0
NC.....	400	1,800	1,200	75.0	70.0	65.0
OK.....	1,500	1,500	1,000	85.0	96.5	79.3
SC.....	900	3,250	2,300	80.0	64.5	67.5
TX.....	29,000	27,000	22,000	94.6	95.0	80.0
US.....	152,500	182,650	179,650	79.1	79.3	60.1
<b>NATIVE AND SEEDLING</b>						
AL.....	6,400	6,400	11,250	44.0	67.0	33.0
AR.....	700	300	500	60.0	61.0	38.0
FL.....	1,200	2,400	2,400	56.0	49.5	63.0
CA.....	9,000	20,000	15,000	51.0	51.5	41.0
LA.....	13,000	26,000	16,500	43.0	58.0	36.0
MI.....	3,000	3,000	4,000	52.1	61.7	40.4
NC.....	600	2,200	800	50.0	50.0	45.0
OK.....	8,500	13,500	11,000	53.0	59.0	38.0
SC.....	500	3,250	1,100	52.0	45.5	45.0
TX.....	49,000	13,000	20,000	51.0	65.0	35.0
US.....	91,900	90,050	82,550	49.7	57.6	37.7
<b>ALL PECANS</b>						
AL.....	16,000	16,000	25,000	51.8	79.6	38.0
AR.....	1,700	1,200	1,300	71.8	81.3	61.4
FL.....	2,800	5,500	5,500	64.0	59.5	63.1
GA.....	83,000	120,000	115,000	68.4	68.2	54.0
LA.....	15,000	30,000	19,000	45.3	59.6	39.9
MI.....	6,500	7,500	12,000	63.1	79.6	52.7
NM.....	29,000	27,000	25,000	95.0	91.0	65.0
NC.....	1,000	4,000	2,000	60.0	59.0	57.0
OK.....	10,000	15,000	12,000	57.8	62.8	41.4
SC.....	1,400	6,500	3,400	70.0	55.0	60.2
TX.....	78,000	40,000	42,000	67.2	85.3	58.6
US.....	244,400	272,700	262,200	68.0	72.1	53.1

<sup>1</sup> Preliminary.  
National Agricultural Statistics Service.

**Table 347.—Pecans (shelled basis <sup>1</sup>): Foreign trade, United States, 1973-86**

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	Metric tons	Metric tons		Metric tons	Metric tons		Metric tons	Metric tons
1973.....	60	1,171	1978.....	564	1,540	1983.....	2,082	1,548
1974.....	2	1,536	1979.....	272	1,539	1984.....	1,335	929
1975.....	1,192	1,660	1980.....	436	2,021	1985.....	4,696	968
1976.....	1,417	1,065	1981.....	200	1,896	1986.....	3,618	1,229
1977.....	218	1,637	1982.....	347	2,664			

<sup>1</sup> Imports of unshelled nuts converted to shelled basis at ratio of 2.78 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.  
Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 348.—Walnuts (English), (in the shell): Production, season average price per ton, and value, United States, 1973–87**

Year	California			Oregon			California and Oregon		
	Production	Price	Value	Production <sup>1</sup>	Price	Value	Production <sup>1</sup>	Price	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	174,000	605	105,270	1,000	550	550	175,000	605	105,820
1974.....	155,000	419	64,945	1,500	380	570	156,500	419	65,515
1975.....	198,000	456	90,288	1,300	390	507	199,300	456	90,795
1976.....	183,000	627	114,741	700	605	424	183,700	627	115,165
1977.....	192,000	725	139,200	500	710	355	192,500	725	139,555
1978.....	160,000	1,302	208,320	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )			
1979.....	208,000	847	176,176						
1980.....	197,000	936	184,892						
1981.....	225,000	1,014	228,150						
1982.....	234,000	1,020	238,680						
1983.....	199,000	691	125,569						
1984.....	213,000	730	155,490						
1985.....	219,000	798	174,762						
1986.....	180,000	1,080	194,400						
1987 <sup>3</sup> .....	247,000	950	234,650						

<sup>1</sup> Additional quantities not harvested are as follows (tons): 1975—Oregon, 200.<sup>2</sup> Estimates discontinued after 1977 crop.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 349.—Walnuts (shelled basis<sup>1</sup>): Foreign trade, United States, 1973–86**

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
1973.....	72	10,849	1978.....	533	11,832	1983.....	32	16,453
1974.....	15	12,095	1979.....	97	17,102	1984.....	165	22,654
1975.....	54	19,838	1980.....	4	20,068	1985.....	43	21,689
1976.....	24	17,371	1981.....	36	21,678	1986.....	1,262	26,295
1977.....	66	7,676	1982.....	108	16,066			

<sup>1</sup> Imports of unshelled nuts converted to shelled basis at ratio of 2.36 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.38 to 1. Beginning 1978, imports of shelled nuts converted to shelled basis at ratio of 2.38 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.78 to 1.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 350.—Cacao beans: United States imports by country of origin, 1985-87

Continent and country	1985	1986	1987	Continent and country	1985	1986	1987
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Africa:			
Costa Rica .....	860	482	18	Cameroon .....	433	501	40
Dominican Republic.....	31,402	34,425	34,549	Nigeria .....	10,397	2,100	874
Guatemala.....	424	1,270	1,208	Ivory Coast.....	112,055	70,308	87,750
Haiti .....	233	224	1,393	Ghana .....	14,405	31,085	23,484
Mexico.....	750	674	1,276	Other countries.....	212	546	181
Trinidad and Tobago .....	235	401	566	Total .....	187,502	104,540	112,329
Other countries.....	996	1,904	1,734	Asia and Oceania:			
Total .....	34,900	39,380	40,744	Malaysia .....	2,261	2,046	7,332
South America:				Papua New Guinea.....	5,325	6,576	4,059
Brazil.....	31,222	36,579	47,699	Other countries.....	1,595	2,020	761
Ecuador.....	50,359	14,898	44,649	Total .....	9,181	10,642	12,152
Venezuela.....	1,600	1,034	480	Europe .....	4,581	2,198	333
Other countries.....	988	30	4,227	Grand total .....	270,333	209,301	262,613
Total .....	84,169	52,541	97,055				

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 351.—Cacao beans: Exports from principal producing countries, 1984-86

Continent and country	1984	1985	1986 <sup>1</sup>	Continent and country	1984	1985	1986 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Africa—Con.			
Costa Rica .....	843	1,450	1,700	Ghana .....	148,875	172,397	198,335
Dominican Republic.....	32,280	31,359	36,436	Ivory Coast.....	449,070	419,305	465,175
Grenada.....	2,065	2,179	1,422	Liberia .....	6,149	4,977	3,936
Haiti .....	2,404	3,800	2,900	Madagascar.....	2,495	1,624	2,670
Jamaica .....	1,910	1,886	1,989	Nigeria.....	130,808	92,891	60,000
Mexico.....	3,603	1,588	1,700	Sao Tome and Principe.....	3,800	3,055	2,860
Trinidad and Tobago .....	1,500	1,312	1,305	Sierra Leone.....	9,785	10,081	10,880
Other countries.....	2,500	3,800	4,300	Tanzania.....	1,200	1,460	760
Total .....	47,105	47,374	51,752	Togo .....	21,301	6,719	12,787
South America:				Uganda .....	300	239	210
Brazil.....	107,289	172,321	134,474	Zaire .....	4,274	4,525	6,326
Ecuador.....	46,910	68,899	38,285	Total .....	886,538	834,288	883,676
Peru.....	347	480	700	Asia and Oceania:			
Venezuela.....	5,892	5,919	5,466	Indonesia .....	24,299	30,167	33,170
Total .....	160,438	247,619	178,925	Malaysia .....	65,804	81,465	105,906
Africa:				Papua New Guinea.....	34,163	30,131	30,929
Benin.....	7,029	16,077	19,870	Solomon Islands.....	1,410	1,753	1,610
Cameroon.....	89,930	88,486	89,667	Sri Lanka.....	489	1,040	657
Comoro Islands.....	10	10	10	Vanuatu .....	781	814	1,197
Congo.....	2,192	1,572	1,190	Western Samoa.....	720	535	830
Equatorial Guinea.....	7,777	9,330	7,100	Total .....	127,666	145,905	174,299
Gabon.....	1,543	1,540	1,900	Grand total .....	1,221,747	1,275,186	1,288,652

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

Table 352.—Coffee: Area, yield, production, price, and value, Hawaii, 1973-74 to 1987-88

Season	Area harvested	Yield per harvested acre	Production	Price per pound	Value	Season	Area harvested	Yield per harvested acre	Production	Price per pound	Value
	Acres	1,000 pounds	1,000 pounds	Dollars	1,000 dollars		Acres	1,000 pounds	1,000 pounds	Dollars	1,000 dollars
1973-74 .....	2,500	1.2	3,040	0.563	1,711	1981-82 .....	1,700	1.3	2,210	2.00	4,420
1974-75 .....	2,500	.6	1,540	.464	714	1982-83 .....	1,900	.5	990	2.15	2,129
1975-76 .....	2,000	.9	1,860	.752	1,399	1983-84 .....	1,800	1.6	2,800	2.25	6,300
1976-77 .....	2,000	1.1	2,120	1.85	3,922	1984-85 .....	1,700	1.0	1,750	2.75	4,813
1977-78 .....	2,000	1.1	2,270	1.38	3,133	1985-86 .....	1,650	1.1	1,850	2.30	5,180
1978-79 .....	1,900	.9	1,680	1.26	2,117	1986-87 .....	2,000	1.5	3,000	2.90	8,700
1979-80 .....	1,800	1.2	2,190	1.43	3,132	1987-88 <sup>1</sup> .....	2,050	.8	1,700	2.50	4,250
1980-81 .....	1,700	.9	1,440	1.60	2,304						

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 353.—Coffee: United States imports by country of origin, 1985-87<sup>1</sup>

Continent and country	1985	1986	1987 <sup>2</sup>	Continent and country	1985	1986	1987 <sup>2</sup>
	1,000 bags	1,000 bags	1,000 bags		1,000 bags	1,000 bags	1,000 bags
North America:				Africa—Con.			
Costa Rica .....	360	414	551	Ethiopia .....	195	246	421
Dominican Republic .....	439	488	446	Ivory Coast .....	951	698	476
El Salvador .....	1,366	1,108	1,117	Kenya .....	260	436	277
Guatemala .....	1,054	1,666	1,439	Madagascar .....	65	59	6
Honduras .....	262	405	509	Rwanda .....	11	34	61
Mexico .....	1,812	2,283	2,764	Uganda .....	739	739	587
Other countries .....	157	208	132	Zaire .....	27	75	54
Total .....	5,450	6,572	6,958	Other countries .....	45	88	100
				Total .....	2,392	2,517	2,058
South America:				Asia and Oceania:			
Brazil .....	4,148	2,281	3,928	India .....	250	378	238
Colombia .....	2,554	2,675	2,549	Indonesia .....	1,041	1,358	911
Ecuador .....	974	1,375	1,285	Papua, New Guinea .....	48	93	47
Peru .....	543	679	573	Philippines .....	407	444	105
Venezuela .....	107	224	163	Thailand .....	112	282	302
Other countries .....	90	101	73	Other countries .....	116	197	52
Total .....	8,416	7,385	8,571	Total .....	1,974	2,752	1,655
Africa:				Other countries .....	466	667	664
Burundi .....	7	53	45	Grand total .....	18,698	19,843	19,906
Cameroon .....	92	89	31				

<sup>1</sup> Green coffee only; does not include roasted or soluble.<sup>2</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

## FOOTNOTES FOR TABLE 358

<sup>1</sup> Includes straw mushrooms.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.



Table 354.—Coffee: Exports from principal producing countries, 1984-86 <sup>1</sup>

Continent and country of origin	1984	1985	1986 <sup>2</sup>	Continent and country of origin	1984	1985	1986 <sup>2</sup>
	1,000 bags	1,000 bags	1,000 bags		1,000 bags	1,000 bags	1,000 bags
<b>North America:</b>				<b>Africa—Con.</b>			
Costa Rica.....	1,842	2,040	1,560	Central African Republic..	209	316	164
Dominican Republic.....	574	517	518	Ethiopia.....	1,454	1,133	1,250
El Salvador.....	2,722	2,632	2,072	Guinea.....	5	5	67
Guatemala.....	2,183	3,099	2,267	Cote d'Ivoire.....	3,505	4,662	4,186
Haiti.....	401	308	268	Kenya.....	1,580	1,698	2,046
Honduras.....	1,130	1,192	1,324	Madagascar.....	910	749	845
Mexico.....	2,832	3,294	3,353	Tanzania.....	944	710	843
Nicaragua.....	709	704	558	Togo.....	303	268	199
<b>Total.....</b>	<b>12,393</b>	<b>13,786</b>	<b>11,920</b>	Uganda.....	2,220	2,538	2,347
				Zaire.....	1,314	1,088	2,436
				<b>Total.....</b>	<b>14,229</b>	<b>15,094</b>	<b>16,482</b>
<b>South America:</b>				<b>Asia and Oceania:</b>			
Brazil.....	19,505	19,158	10,096	India.....	1,079	1,592	1,490
Colombia.....	10,199	9,994	11,380	Indonesia.....	4,880	4,869	4,985
Ecuador.....	1,403	1,588	1,920	Papua New Guinea.....	824	677	887
Peru.....	906	1,008	1,247	<b>Total.....</b>	<b>6,783</b>	<b>7,138</b>	<b>7,362</b>
Venezuela.....	96	146	336	<b>Grand total.....</b>	<b>65,514</b>	<b>67,912</b>	<b>60,743</b>
<b>Total.....</b>	<b>32,109</b>	<b>31,894</b>	<b>24,979</b>				
<b>Africa:</b>							
Angola.....	379	311	310				
Cameroon.....	1,406	1,616	1,789				

<sup>1</sup> Mostly green coffee, some countries include soluble or roasted. <sup>2</sup> Preliminary.

Foreign Agricultural Service, International Coffee Organization.

Table 355.—Tea: United States imports by country of origin, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>	Continent and country	1985	1986	1987 <sup>1</sup>
	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	Metric tons
<b>North America:</b>				<b>Asia and Oceania—Con.</b>			
Canada.....	1,832	1,597	1,491	Hong Kong.....	867	1,724	1,088
<b>Total.....</b>	<b>1,832</b>	<b>1,597</b>	<b>1,491</b>	India.....	2,943	3,884	3,042
				Indonesia.....	12,844	16,270	10,395
<b>Central and South America:</b>				Japan.....	2,094	1,155	1,184
Argentina.....	15,234	16,367	15,897	Papua New Guinea.....	62	14	75
Brazil.....	4,281	5,554	5,418	Sri Lanka.....	9,796	7,756	4,799
Ecuador.....	193	453	576	Other countries.....	309	466	251
Other countries.....	272	691	257	<b>Total.....</b>	<b>41,814</b>	<b>49,688</b>	<b>38,422</b>
<b>Total.....</b>	<b>19,980</b>	<b>23,065</b>	<b>22,148</b>	<b>Africa:</b>			
				Kenya.....	4,152	4,330	4,145
<b>Europe:</b>				Malawi.....	935	1,205	1,991
Germany, Fed. Rep. of.....	3,046	2,535	3,422	Mozambique.....	693	278	184
Netherlands.....	4,213	4,053	3,258	Rwanda.....	993	1,182	591
United Kingdom.....	515	918	515	Tanzania.....	178	305	68
Other countries.....	160	190	128	South Africa.....	267	556	387
<b>Total.....</b>	<b>7,934</b>	<b>7,696</b>	<b>7,323</b>	Other countries.....	428	647	641
				<b>Total.....</b>	<b>7,646</b>	<b>8,503</b>	<b>8,007</b>
<b>Asia and Oceania:</b>				<b>Grand total.....</b>	<b>79,206</b>	<b>90,549</b>	<b>77,931</b>
China.....	10,877	16,925	16,728				
Taiwan.....	2,022	1,494	860				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 356.—Tea: Exports from principal producing countries, 1984-86

Continent and country	1984	1985	1986 <sup>1</sup>	Continent and country	1984	1985	1986 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
South America:				Asia and Oceania:			
Argentina.....	42,102	30,657	36,279	Bangladesh.....	23,100	30,306	27,675
Brazil.....	9,801	8,809	12,975	China.....	140,209	140,651	172,028
Ecuador.....	665	492	889	Taiwan.....	11,862	9,127	9,011
Total.....	52,068	39,958	50,143	India.....	217,040	222,350	203,149
Africa:				Indonesia.....	85,650	90,121	79,040
Burundi.....	3,376	4,146	3,451	Japan.....	2,787	1,805	1,261
Kenya.....	91,198	126,086	116,456	Malaysia.....	253	264	275
Malawi.....	37,141	37,357	40,189	Papua New Guinea.....	7,530	7,025	5,322
Mauritius.....	6,799	7,063	6,364	Sri Lanka.....	204,226	197,580	207,567
Mozambique.....	7,550	3,190	1,820	Turkey.....	582	1,859	798
Rwanda.....	8,431	11,622	10,000	Vietnam.....	10,000	10,000	10,000
Tanzania.....	10,641	13,042	14,370	Total.....	703,239	711,088	716,126
Uganda.....	2,604	1,254	2,792	Grand total.....	936,141	967,321	976,530
Zaire.....	3,259	2,459	3,000				
Zimbabwe.....	9,835	10,036	11,819				
Total.....	180,834	216,275	210,261				

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

Table 357.—Mushrooms: Area, production, price, and value, United States, 1973/74-1986/87

Year <sup>1</sup>	Area in production	Production	Price per pound	Value of production		
				Total	Fresh market	Processing
	<i>1,000 sq. ft.</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973-74.....	107,584	279,493	44.1	123,354	58,407	64,947
1974-75.....	110,921	299,081	49.2	147,242	76,552	70,690
1975-76.....	114,711	309,816	61.7	191,098	102,234	88,864
1976-77.....	117,692	347,129	73.7	255,678	124,613	131,065
1977-78.....	135,101	398,703	77.1	307,588	172,159	135,429
1978-79.....	146,738	454,007	79.7	361,800	217,770	144,030
1979-80.....	150,758	470,069	78.4	368,597	245,201	123,396
1980-81.....	140,346	469,576	79.8	374,499	260,439	114,060
1981-82.....	141,326	517,146	81.0	418,706	308,805	109,901
1982-83.....	135,395	490,826	87.9	431,421	338,048	93,373
1983-84.....	142,810	561,531	86.6	486,368	374,327	112,061
1984-85.....	139,133	595,681	82.9	493,648	392,762	100,886
1985-86.....	123,565	587,956	83.9	493,093	404,914	88,179
1986-87.....	129,496	615,387	87.6	539,304	450,683	88,621

<sup>1</sup> Marketing year begins July 1 and ends June 30 the following year.

National Agricultural Statistics Service.

Table 358.—Mushrooms, canned: United States imports by country of origin, 1978-87

Country	1978	1979	1980	1981 <sup>1</sup>	1982 <sup>1</sup>	1983 <sup>1</sup>	1984 <sup>1</sup>	1985 <sup>1</sup>	1986 <sup>1</sup>	1987 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Canada.....	30	29	38	8	35	42	5	11	64	31
China.....	8	119	6,723	12,449	16,617	16,639	20,530	20,854	22,021	28,438
Taiwan.....	22,331	20,528	24,371	11,030	17,345	19,289	28,072	22,162	23,763	26,200
Costa Rica.....	583	330								
Dominican Rep.....	225	258	317	22	28					
France.....	194	89	93	70	50	257	798	209	118	92
Hong Kong.....	4,369	6,593	8,879	10,651	7,379	7,745	10,128	14,073	18,840	9,800
Netherlands.....	10			1	1	335	2,302	1,281	155	233
Japan.....	406	240	206	167	114	179	355	283	174	212
Korea, Rep. of.....	11,643	12,946	8,803	4,276	2,350	3,624	5,283	4,563	3,503	2,037
Macao.....		335	902	1,040	1,511	1,500	854	546	913	1
Indonesia.....						1		401	970	1,412
Spain.....	88	237	46	78	16	1,047	6,967	4,795	1,998	2,201
Other.....	164	195	94	61	164	158	957	571	1,118	858
Total.....	40,051	41,899	50,472	39,853	45,610	50,816	76,251	69,749	73,987	71,515

See footnotes on page 238.

Table 359.—Cut flowers: Sales and value, United States, 1977-87

Year	Standard carnations			Miniature carnations		
	Quantity sold <i>1,000 Blooms</i>	Wholesale price <i>Cents</i>	Value of sales at wholesale <sup>1</sup> <i>1,000 dollars</i>	Quantity sold <i>1,000 Bunches</i>	Wholesale price <i>Dollars</i>	Value of sales at wholesale <sup>1</sup> <i>1,000 dollars</i>
1977	501,799	8.4	42,328	4,703	1.28	6,007
1978	466,363	9.1	42,594	4,844	1.39	6,729
1979	408,840	11.0	44,784	5,838	1.44	8,425
1980	379,375	11.8	41,860	5,891	1.54	9,044
1981	345,747	11.8	40,936	5,989	1.60	9,605
1982	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1983	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1984	292,593	13.0	37,934	10,103	1.46	14,796
1985 <sup>3</sup>	289,985	15.9	46,156	11,458	1.68	18,883
1986 <sup>3</sup>	258,814	15.1	39,033	11,472	1.44	16,471
1987	268,076	14.6	39,132	11,777	1.43	16,812
<b>Standard chrysanthemums</b>						
Year	Standard chrysanthemums			Pompon chrysanthemums <sup>4</sup>		
	Quantity sold <i>1,000 Blooms</i>	Wholesale price <i>Cents</i>	Value of sales at wholesale <sup>1</sup> <i>1,000 dollars</i>	Quantity sold <i>1,000 Bunches</i>	Wholesale price <i>Dollars</i>	Value of sales at wholesale <sup>1</sup> <i>1,000 dollars</i>
1977	111,738	25.6	28,626	35,936	.99	35,479
1978	124,424	25.7	31,920	37,892	1.03	38,910
1979	107,578	24.8	26,714	34,992	1.06	36,957
1980	93,753	27.6	25,848	34,900	1.08	37,737
1981	86,562	26.2	22,698	36,735	1.09	40,021
1982	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1983	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1984	67,113	33.3	22,335	33,323	1.17	38,846
1985 <sup>3</sup>	60,162	42.1	25,345	36,845	1.22	44,805
1986 <sup>3</sup>	43,657	35.8	15,625	32,666	1.10	35,822
1987	41,747	35.2	14,712	28,020	1.32	36,996
<b>Hybrid Tea roses</b>						
Year	Hybrid Tea roses			Sweetheart roses <sup>4</sup>		
	Quantity sold <i>1,000 Blooms</i>	Wholesale price <i>Cents</i>	Value of sales at wholesale <sup>1</sup> <i>1,000 dollars</i>	Quantity sold <i>1,000 Blooms</i>	Wholesale price <i>Cents</i>	Value of sales at wholesale <sup>1</sup> <i>1,000 dollars</i>
1977	301,107	20.6	62,177	118,023	14.1	16,604
1978	306,806	22.5	69,069	112,449	16.0	18,005
1979	327,824	23.9	78,332	116,796	17.1	20,019
1980	313,631	27.1	85,036	112,036	19.9	22,322
1981	312,955	28.8	90,036	108,684	19.9	21,603
1982	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1983	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1984	354,131	30.2	106,761	108,308	22.4	24,231
1985 <sup>3</sup>	370,497	34.0	125,925	106,529	24.6	26,213
1986 <sup>3</sup>	354,702	35.3	125,038	107,475	24.3	26,166
1987	406,796	34.7	141,164	108,065	24.1	26,028
<b>Gladioli</b>						
Year	Gladioli			Other cut flowers <sup>5</sup>		
	Quantity sold <i>1,000 Spikes</i>	Wholesale price <i>Cents</i>	Value of sales at wholesale <sup>1</sup> <i>1,000 dollars</i>			Value of sales at wholesale <sup>1</sup> <i>1,000 dollars</i>
1977	165,593	10.0	16,535			
1978	148,926	10.9	16,248			
1979	149,704	13.2	19,824			
1980	146,602	13.2	19,397			
1981	136,004	14.6	19,904			
1982	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )			
1983	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )			
1984	124,812	17.4	21,775			
1985 <sup>3</sup>	158,996	16.1	25,555			58,848
1986 <sup>3</sup>	170,788	15.5	26,534			75,137
1987	196,268	16.3	32,004			99,707

<sup>1</sup> Equivalent wholesale value of all sales. <sup>2</sup> 1982-83 data not available because of program reduction. <sup>3</sup> 1985 and 1986 data not comparable with 1984. <sup>4</sup> Data for 1977-84 includes a small amount of standard chrysanthemums to avoid disclosure of individual operations. <sup>5</sup> Begun in 1985.

National Agricultural Statistics Service.

## CHAPTER VI

# STATISTICS OF HAY, SEEDS, AND MINOR FIELD CROPS

Chapter VI deals with hay, pasture, seeds, and various minor field crops. Table 366 shows the seeding rate for a number of specified crops. The state averages are based on surveys made in 1980. The United States average rates are derived by weighting the average for each State by the area planted to the particular crop. Rates are not shown for States where the crop is not estimated currently.

**Table 360.—Hay, all: Area, yield, production, disposition, and value, United States, 1973-87**

Year	Area harvested	Yield per acre	Production	Used on farms where produced	Sold	Season average price per ton received by farmers	Value of production
	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973	61,828	2.17	134,217	107,002	27,215	41.60	5,003,991
1974	60,195	2.10	126,884	100,897	25,487	50.90	5,790,715
1975	61,353	2.16	132,397	105,874	26,523	52.10	6,458,070
1976	60,377	1.99	120,125	94,675	25,450	60.20	6,814,924
1977	60,988	2.17	132,211	105,133	27,078	53.70	6,826,411
1978	62,113	2.32	143,817	115,544	28,273	49.80	6,663,678
1979	61,279	2.40	147,307	118,846	29,001	59.40	7,345,466
1980	58,870	2.22	130,740	( <sup>2</sup> )	( <sup>2</sup> )	71.00	8,084,666
1981	59,599	2.39	142,520	( <sup>2</sup> )	( <sup>2</sup> )	67.30	9,181,300
1982	59,812	2.50	149,241	( <sup>2</sup> )	( <sup>2</sup> )	69.30	9,529,516
1983	59,717	2.36	140,764	( <sup>2</sup> )	( <sup>2</sup> )	75.80	9,967,208
1984	61,445	2.45	150,648	( <sup>2</sup> )	( <sup>2</sup> )	72.70	10,203,921
1985	60,423	2.46	148,601	( <sup>2</sup> )	( <sup>2</sup> )	67.60	9,437,282
1986	62,419	2.49	155,529	( <sup>2</sup> )	( <sup>2</sup> )	59.70	8,610,996
1987 <sup>1</sup>	60,748	2.46	149,142	( <sup>2</sup> )	( <sup>2</sup> )	66.40	9,103,346

<sup>1</sup> Preliminary.    <sup>2</sup> Series discontinued.

National Agricultural Statistics Service.

**Table 361.—Hay, all: Stocks on farms, United States, 1973-88**

Year	Jan. 1	May 1	Year	Jan. 1	May 1
	<i>1,000 tons</i>	<i>1,000 tons</i>		<i>1,000 tons</i>	<i>1,000 tons</i>
1973	88,790	24,311	1981	91,689	25,374
1974	93,159	25,353	1982	99,160	24,981
1975	84,687	18,505	1983	103,996	23,118
1976	86,411	25,541	1984	89,280	20,148
1977	77,651	19,540	1985	100,589	26,853
1978	92,136	24,184	1986	96,555	26,698
1979	99,024	30,108	1987	<sup>1</sup> 121,734	32,418
1980	107,707	33,192	1988 <sup>2</sup>	119,749	27,329

<sup>1</sup> Per program modification, hay stocks survey reference data was changed from Jan. 1 to Dec. 1 previous year beginning Dec. 1, 1987.    <sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 362.—Hay, alfalfa and alfalfa mixtures: Area, yield, and production, by States, 1985-87

State	Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AZ.....	145	155	160	7.10	7.60	7.80	1,030	1,178	1,248
AR.....	42	35	35	2.60	3.00	3.00	109	105	105
CA.....	1,030	1,080	1,150	6.50	6.60	6.70	6,695	7,128	7,705
CO.....	820	770	830	3.30	3.40	3.50	2,706	2,618	2,905
CT.....	24	20	21	2.60	2.85	2.60	62	57	55
DE.....	7	7	9	3.90	3.00	2.75	27	21	25
ID.....	1,020	1,100	1,020	3.50	3.80	3.90	3,570	4,180	3,978
IL.....	800	630	570	4.10	4.10	3.90	3,280	2,583	2,223
IN.....	410	400	380	3.90	3.50	3.80	1,599	1,400	1,444
IA.....	1,550	1,600	1,450	3.75	3.80	3.75	5,813	6,080	5,438
KS.....	950	900	850	3.90	3.90	3.80	3,705	3,510	3,230
KY.....	250	255	260	3.60	3.20	3.30	900	816	858
LA.....	15	12	12	2.60	2.70	2.80	39	32	34
ME.....	26	23	24	2.60	2.35	2.25	68	54	54
MD.....	75	80	85	4.00	3.10	3.75	300	248	319
MA.....	30	29	30	2.90	3.10	2.60	87	90	78
MI.....	1,400	1,400	1,180	3.60	3.60	3.20	5,040	5,040	3,776
MN.....	1,825	1,950	1,700	3.30	3.90	3.50	6,023	7,605	5,950
MO.....	450	420	420	3.00	3.00	2.90	1,350	1,260	1,218
MT.....	950	1,300	1,300	1.80	2.30	2.20	1,710	2,990	2,860
NE.....	1,400	1,350	1,250	3.40	3.45	3.50	4,760	4,658	4,375
NV.....	235	240	245	4.10	4.10	4.20	964	984	1,029
NH.....	20	21	22	2.90	2.80	2.50	58	59	55
NJ.....	43	43	40	3.90	3.40	3.40	168	146	136
NM.....	250	240	240	5.20	5.00	5.10	1,300	1,200	1,224
NY.....	930	925	930	2.80	2.85	2.80	2,604	2,636	2,604
NC.....	40	30	25	2.70	2.00	2.80	108	60	70
ND.....	1,500	1,550	1,600	1.40	2.10	1.90	2,100	3,255	3,040
OH.....	700	730	725	4.00	3.70	3.70	2,800	2,701	2,683
OK.....	400	430	410	3.90	3.50	3.30	1,560	1,353	1,353
OR.....	450	460	430	4.05	4.20	4.20	1,823	1,932	1,806
PA.....	840	840	850	3.30	3.20	3.20	2,772	2,688	2,720
RI.....	3	3	3	2.70	3.00	2.70	8	9	8
SD.....	1,900	2,500	2,350	1.70	2.50	2.20	3,230	6,250	5,170
TN.....	120	100	120	3.80	3.00	2.70	456	300	324
TX.....	190	160	140	4.70	4.00	3.50	893	640	490
UT.....	460	470	465	3.90	3.90	4.10	1,794	1,833	1,907
VT.....	120	115	120	2.50	2.50	2.50	300	288	300
VA.....	88	110	124	3.00	2.40	2.80	264	264	347
WA.....	450	470	460	3.90	4.20	4.30	1,755	1,974	1,978
WV.....	110	90	80	3.00	2.50	2.80	330	225	224
WI.....	3,100	3,150	2,800	3.20	3.00	2.80	9,920	9,450	7,840
WY.....	440	600	570	2.20	2.50	2.40	968	1,500	1,368
US.....	25,608	26,793	25,485	3.32	3.42	3.32	85,048	91,552	84,554

<sup>1</sup> Preliminary.  
National Agricultural Statistics Service.

Table 363.—Hay, all other: Area, yield, and production, by States, 1985-87

State	Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	700	700	700	2.20	1.60	2.10	1,540	1,120	1,470
AZ.....	22	22	30	3.60	3.80	4.50	79	84	135
AR.....	950	920	950	1.80	2.00	1.70	1,710	1,840	1,615
CA.....	540	600	520	2.40	2.50	2.50	1,296	1,500	1,300
CO.....	625	640	670	1.50	1.60	1.70	938	1,024	1,139
CT.....	66	66	67	1.85	2.30	2.15	122	152	144
DE.....	15	16	14	2.10	1.80	1.95	32	29	27
FL.....	240	260	275	2.60	2.60	2.90	624	676	798
GA.....	495	530	600	2.50	1.70	2.20	1,238	901	1,320
ID.....	300	300	250	1.70	1.80	2.10	510	540	525

See footnotes at end of table.

Table 363.—Hay, all other: Area, yield, and production, by States, 1985-87—Continued

State	Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
IL.....	360	470	430	2.20	2.30	2.20	792	1,081	946
IN.....	385	380	350	2.30	2.20	2.30	886	836	805
IA.....	600	800	650	2.20	2.40	2.30	1,320	1,920	1,495
KS.....	1,650	1,600	1,550	1.80	1.80	1.80	2,970	2,880	2,790
KY.....	1,600	1,540	1,900	2.00	1.80	1.80	3,200	2,772	3,420
LA.....	305	288	348	2.30	2.60	2.70	702	749	940
ME.....	196	202	192	1.80	1.95	1.95	353	394	374
MD.....	155	145	150	2.35	1.80	2.15	364	261	323
MA.....	91	98	97	2.10	2.40	2.20	191	235	213
MI.....	350	370	320	1.90	1.90	1.90	665	703	608
MN.....	900	900	925	2.20	2.30	2.00	1,980	2,070	1,805
MS.....	650	580	570	2.00	2.00	2.50	1,300	1,160	1,425
MO.....	2,950	2,980	3,100	1.75	1.60	1.60	5,163	4,768	4,960
MT.....	1,000	950	900	1.05	1.40	1.50	1,050	1,330	1,350
NE.....	1,900	2,100	1,750	1.05	1.30	1.20	1,995	2,730	2,100
NV.....	260	280	270	1.30	1.40	1.30	338	392	351
NH.....	68	66	63	2.15	2.10	2.00	146	139	126
NJ.....	75	72	72	2.20	2.10	2.10	165	151	151
NM.....	80	70	65	1.70	1.70	1.80	136	119	117
NY.....	1,300	1,320	1,300	2.05	2.10	2.05	2,665	2,772	2,665
NC.....	355	380	410	1.70	1.35	1.60	604	513	65.6
ND.....	1,450	1,550	1,350	1.15	1.40	1.30	1,668	2,170	1,755
OH.....	750	730	725	2.40	2.20	2.40	1,800	1,606	1,740
OK.....	1,700	1,550	1,800	1.90	1.80	1.70	3,230	2,790	3,060
OR.....	630	650	690	1.85	1.85	1.75	1,166	1,202	1,208
PA.....	1,150	1,160	1,180	2.20	2.10	2.10	2,530	2,436	2,478
RI.....	7	6	5	1.85	2.35	2.20	13	14	11
SC.....	205	205	225	2.40	1.60	2.00	492	328	450
SD.....	1,600	2,200	1,600	1.00	1.40	1.20	1,600	3,080	1,920
TN.....	1,500	1,280	1,450	1.80	1.40	1.60	2,700	1,792	2,320
TX.....	3,310	3,100	3,100	1.20	2.20	2.40	7,282	6,820	7,440
UT.....	145	155	160	2.00	1.95	2.10	290	302	336
VT.....	325	325	290	2.00	2.00	1.90	650	650	551
VA.....	920	1,000	1,200	1.50	1.20	1.50	1,380	1,200	1,800
WA.....	350	360	300	2.40	2.50	2.40	840	900	720
WV.....	500	480	550	1.80	1.20	1.40	900	576	770
WI.....	500	530	520	2.40	2.50	2.00	1,200	1,325	1,040
WY.....	590	700	630	1.25	1.35	1.35	738	945	851
US.....	34,815	35,626	35,263	1.83	1.80	1.83	63,553	63,977	64,588

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 364.—Hay: Supply and disappearance, prices, and number of animal units fed annually, United States, 1973-87

Year beginning May	Farm carry-over May 1	Production	Total supply	Disappearance	Roughage-consuming animal units	Supply per animal unit	Disappearance per animal unit	Price received per ton
	Million tons	Million tons	Million tons	Million tons	Million units	Tons	Tons	Dollars
1973.....	24.3	134.2	158.5	133.1	99.5	1.59	1.34	41.60
1974.....	25.4	126.4	151.8	133.3	103.8	1.46	1.28	50.90
1975.....	18.5	132.4	150.9	125.4	98.2	1.54	1.28	52.10
1976.....	25.5	120.1	145.6	126.1	94.8	1.54	1.33	60.20
1977.....	19.5	132.2	151.7	127.5	89.5	1.69	1.40	53.70
1978.....	24.2	145.8	168.0	137.9	86.0	1.95	1.62	49.80
1979.....	30.1	147.3	177.4	144.6	87.5	2.03	1.65	59.40
1980.....	33.2	130.7	163.9	138.5	89.9	1.82	1.54	71.00
1981.....	25.4	142.5	167.9	142.9	91.8	1.83	1.56	67.30
1982.....	25.0	149.2	174.2	146.1	90.2	1.93	1.62	69.30
1983.....	28.1	140.8	168.9	148.6	89.3	1.89	1.67	75.80
1984.....	20.1	150.6	170.7	143.8	85.7	1.99	1.68	72.70
1985.....	26.9	148.6	175.5	148.8	83.1	2.11	1.79	67.60
1986.....	26.7	155.5	182.2	149.8	80.7	2.26	1.86	59.70
1987 <sup>1</sup> .....	32.4	149.1	181.5	154.2	78.4	2.32	1.97	66.40

<sup>1</sup> Preliminary.

Economic Research Service.

**Table 365.—Hay, all: Season average price and value of production, by States, crop of 1985, 1986, and 1987**

State	Season average price per ton, baled			Value of production		
	1985	1986	1987	1985	1986	1987
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	63.00	65.50	63.00	97,020	73,360	92,610
AZ.....	79.50	70.50	83.00	88,166	88,971	114,789
AR.....	54.00	46.00	54.00	98,226	89,470	92,880
CA.....	83.00	72.50	80.00	663,253	625,430	720,400
CO.....	57.50	58.00	62.00	209,530	211,236	250,728
CT.....	99.00	95.00	96.00	18,216	19,855	19,104
DE.....	84.00	118.00	99.00	4,956	5,900	5,148
FL.....	73.00	72.00	79.00	45,552	48,672	63,042
GA.....	60.00	73.00	62.00	74,280	65,772	81,840
ID.....	64.50	53.50	51.50	263,160	253,520	281,905
IL.....	60.00	55.50	58.50	244,320	203,352	185,387
IN.....	54.50	47.50	60.00	135,433	106,200	134,940
IA.....	46.50	40.50	42.50	331,685	324,000	294,653
KS.....	48.00	43.00	58.00	320,400	274,770	344,160
KY.....	68.50	64.50	67.00	280,850	231,426	286,626
LA.....	53.00	49.00	44.00	39,273	38,269	42,856
ME.....	74.00	68.00	66.00	31,154	30,464	28,248
MD.....	84.50	116.00	96.00	56,108	59,044	61,632
MA.....	94.00	90.00	91.00	26,132	29,250	26,481
MI.....	53.00	52.00	57.00	302,365	298,636	249,888
MN.....	67.00	52.50	63.00	536,201	507,938	491,400
MS.....	50.00	48.00	50.00	65,000	55,680	71,250
MO.....	60.50	55.00	59.50	394,037	331,540	367,591
MT.....	84.50	51.00	49.50	233,220	220,320	208,395
NE.....	42.00	34.00	40.50	283,710	251,192	262,238
NV.....	80.50	74.00	79.50	104,811	101,824	109,710
NH.....	95.00	92.00	91.50	19,380	18,612	16,471
NJ.....	90.50	102.00	103.00	30,137	30,294	29,561
NM.....	80.00	74.50	89.00	114,880	98,266	119,349
NY.....	75.50	70.50	73.00	397,810	381,264	384,637
NC.....	72.00	97.00	93.00	51,264	55,581	67,518
ND.....	51.50	37.00	38.00	194,052	200,725	182,210
OH.....	55.00	64.50	79.50	253,000	277,802	351,629
OK.....	56.00	54.50	63.00	268,240	234,078	278,019
OR.....	76.50	65.00	73.00	228,659	203,710	220,022
PA.....	67.50	80.00	87.00	357,885	409,920	452,226
RI.....	110.00	104.00	103.00	2,310	2,392	1,957
SC.....	71.00	73.00	67.50	34,932	23,944	30,375
SD.....	47.00	32.00	38.50	227,010	298,560	272,965
TN.....	52.00	61.00	56.00	164,112	127,612	148,064
TX.....	68.00	60.00	65.50	555,900	447,600	519,415
UT.....	67.00	62.50	67.00	139,628	133,438	150,281
VT.....	82.00	76.00	78.00	77,900	71,288	66,378
VA.....	82.50	94.00	90.00	135,630	137,616	193,230
WA.....	84.50	60.00	56.50	219,278	172,440	152,437
WV.....	60.00	55.00	58.00	73,800	44,055	57,652
WI.....	73.50	53.00	51.00	817,320	571,075	452,880
WY.....	74.50	51.50	51.00	127,097	125,918	113,169
US.....	67.60	59.70	66.40	9,437,282	8,610,996	9,103,346

National Agricultural Statistics Service.

Table 366.—Hay, all: Area, yield, and production, by States, 1985-87

State	Area harvested			Yield per harvested acre			Production		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	700	700	700	2.20	1.60	2.10	1,540	1,120	1,470
AZ.....	167	177	190	6.64	7.13	7.28	1,109	1,262	1,383
AR.....	992	955	985	1.83	2.04	1.75	1,819	1,945	1,720
CA.....	1,570	1,680	1,670	5.09	5.14	5.39	7,991	8,628	9,005
CO.....	1,445	1,410	1,500	2.52	2.58	2.70	3,644	3,642	4,044
CT.....	90	86	88	2.04	2.43	2.26	184	209	199
DE.....	22	23	23	2.68	2.17	2.26	59	50	52
FL.....	240	260	275	2.60	2.60	2.90	624	676	798
GA.....	495	530	600	2.50	1.70	2.20	1,238	901	1,320
ID.....	1,320	1,400	1,270	3.09	3.37	3.55	4,080	4,720	4,503
IL.....	1,160	1,100	1,000	3.51	3.33	3.17	4,072	3,664	3,169
IN.....	795	780	730	3.13	2.87	3.08	2,485	2,236	2,249
IA.....	2,150	2,400	2,100	3.32	3.33	3.30	7,133	8,000	6,933
KS.....	2,600	2,500	2,400	2.57	2.56	2.51	6,675	6,390	6,020
KY.....	1,850	1,795	2,160	2.22	2.00	1.98	4,100	3,588	4,278
LA.....	320	300	360	2.32	2.60	2.71	741	781	974
ME.....	222	225	216	1.90	1.99	1.98	421	448	428
MD.....	230	225	235	2.89	2.26	2.73	664	509	642
MA.....	121	127	127	2.30	2.56	2.29	278	325	291
MI.....	1,750	1,770	1,500	3.26	3.24	2.92	5,705	5,743	4,384
MN.....	2,725	2,850	2,625	2.94	3.39	2.97	8,003	9,675	7,800
MS.....	650	580	570	2.00	2.00	2.50	1,300	1,160	1,425
MO.....	3,400	3,400	3,520	1.92	1.77	1.76	6,513	6,025	6,178
MT.....	1,950	2,250	2,200	1.42	1.92	1.91	2,760	4,320	4,210
NE.....	3,300	3,450	3,000	2.05	2.17	2.16	6,755	7,388	6,475
NV.....	495	520	515	2.63	2.65	2.68	1,302	1,376	1,380
NH.....	88	87	85	2.32	2.28	2.13	204	198	181
NJ.....	118	115	112	2.82	2.58	2.56	333	297	287
NM.....	330	310	305	4.35	4.25	4.40	1,436	1,319	1,341
NY.....	2,230	2,200	2,230	2.36	2.40	2.36	5,269	5,280	5,269
NC.....	395	410	435	1.80	1.40	1.67	712	573	726
ND.....	2,950	3,100	2,950	1.28	1.75	1.65	3,768	5,425	4,795
OH.....	1,450	1,460	1,450	3.17	2.95	3.05	4,600	4,307	4,423
OK.....	2,100	1,980	2,210	2.28	2.17	2.00	4,790	4,295	4,413
OR.....	1,080	1,110	1,120	2.77	2.82	2.69	2,989	3,134	3,014
PA.....	1,990	2,000	2,030	2.66	2.56	2.56	5,302	5,124	5,198
RI.....	10	9	8	2.10	2.56	2.38	21	23	19
SD.....	205	205	225	2.40	1.60	2.00	492	328	450
SC.....	3,500	4,700	3,950	1.38	1.99	1.79	4,830	9,330	7,090
TN.....	1,620	1,380	1,570	1.95	1.52	1.68	3,156	2,092	2,644
TX.....	3,500	3,260	3,240	2.34	2.29	2.45	8,175	7,460	7,930
UT.....	605	625	625	3.44	3.42	3.59	2,084	2,135	2,243
VT.....	445	440	410	2.13	2.13	2.08	950	938	851
VA.....	1,008	1,110	1,324	1.63	1.52	1.62	1,644	1,464	2,147
WA.....	800	830	760	3.24	3.46	3.55	2,595	2,874	2,698
WV.....	610	570	630	2.02	1.41	1.58	1,230	801	994
WI.....	3,600	3,680	3,320	3.09	2.98	2.67	11,120	10,775	8,880
WY.....	1,030	1,300	1,200	1.66	1.88	1.85	1,706	2,445	2,219
US.....	60,423	62,419	60,748	2.46	2.49	2.46	148,601	155,529	149,142

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.



Table 367.—Hay: Area and production, by kinds, United States, 1973-87

Year	Area harvested			Production		
	Alfalfa	All other hay	All hay	Alfalfa	All other hay	All hay
	1,000 acres	1,000 acres	1,000 acres	1,000 tons	1,000 tons	1,000 tons
1973.....	27,826	34,002	61,828	78,805	55,412	134,217
1974.....	26,877	33,318	60,195	74,368	52,016	126,384
1975.....	27,288	34,065	61,353	78,183	54,214	132,397
1976.....	26,674	33,703	60,377	69,960	50,165	120,125
1977.....	27,150	33,838	60,988	80,814	51,397	132,211
1978.....	27,864	34,249	62,113	87,294	56,523	143,817
1979.....	27,550	33,729	61,279	88,110	59,197	147,307
1980.....	26,174	32,696	58,870	79,963	50,777	130,740
1981.....	26,243	33,356	59,599	83,696	58,824	142,520
1982.....	26,188	33,624	59,812	88,385	60,856	149,241
1983.....	25,710	34,007	59,717	82,212	58,552	140,764
1984.....	26,799	34,646	61,445	90,105	60,543	150,648
1985.....	25,608	34,815	60,423	85,048	63,553	148,601
1986.....	26,793	35,626	62,419	91,552	63,977	155,529
1987 <sup>1</sup> .....	25,485	35,263	60,748	84,554	64,588	149,142

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 368.—Pasture and range: Condition,<sup>1</sup> first of month, United States, 1973-87

Year	April <sup>2</sup>	May	June	July	August	September	October	November	December <sup>2</sup>
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1973.....	86	87	87	87	83	78	82	83	81
1974.....	79	81	84	82	66	71	75	70	71
1975.....	77	76	86	88	80	76	80	77	74
1976.....	73	79	77	75	70	61	63	66	64
1977.....	68	76	74	68	64	71	76	75	72
1978.....	68	75	85	85	77	75	77	73	70
1979.....	75	84	87	86	84	86	81	77	75
1980.....	76	80	81	78	60	61	63	65	63
1981.....	70	79	80	84	82	82	80	80	78
1982.....	81	79	87	90	86	82	81	80	.....
1983.....	84	80	85	88	76	63	66	73	.....
1984.....	74	75	79	80	75	70	66	74	.....
1985.....	79	83	81	77	70	75	76	79	.....
1986.....	.....	76	80	83	76	79	83	85	.....
1987.....	.....	81	84	82	78	76	79	71	.....

See footnotes on page 251.

Table 369.—Seeding rates: Quantity of seed

State	Corn <sup>1</sup>	Winter wheat	Durum wheat	Other spring wheat	Oats	Barley	Rye
	<i>Kernels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>
AL	19,100	1.8			2.9		
AZ	29,000	2.2	2.2			2.8	
AR	27,300	1.8			2.9		
CA	30,000	1.9	2.0		3.0	2.0	
CO	29,000	.65		1.4	2.0	1.5	0.85
CT	26,000						
DE	21,200	1.9				2.2	1.9
FL	19,100	1.7					
GA	21,900	1.7			3.1		1.9
ID	29,500	1.2		1.6	2.6	1.9	
IL	24,100	1.7			2.5		1.6
IN	23,800	1.9			2.3		1.6
IA	23,900	1.6			2.9		1.6
KS	23,600	.95			2.1	1.3	.95
KY	22,000	1.7			2.1	2.0	1.6
LA	26,300	1.8					
ME	26,000				2.9		
MD	23,200	1.9			2.6	2.3	1.8
MA	26,000						
MI	23,200	2.0			2.6	2.1	1.8
MN	25,000	1.5	1.6	1.6	2.9	1.8	1.4
MS	19,800	1.8					
MO	20,900	1.7			2.3		1.6
MT	29,000	.95	1.1	1.0	1.8	1.2	
NE	22,800	1.1			2.5	1.5	1.2
NV		1.6		1.8		2.3	
NH	26,000						
NJ	23,500	2.0			2.6	2.4	1.8
NM	28,900	.70				1.8	
NY	25,200	2.3			2.8		2.1
NC	22,600	1.7			2.7	2.1	1.6
ND	20,800	1.1	1.5	1.3	2.0	1.6	1.2
OH	25,500	2.2			2.6		1.9
OK	23,500	1.1			2.3	1.3	1.3
OR	30,000	1.2		1.2	2.9	1.7	1.1
PA	22,700	2.2			2.8	2.3	2.0
RI	26,000						
SC	21,100	1.7			2.9	2.1	1.8
SD	17,800	1.0	1.4	1.3	2.6	1.7	1.3
TN	21,500	1.9					
TX	24,000	.90			2.5	1.0	.95
UT	30,000	1.2		1.6	3.0	2.2	
VT	26,000						
VA	23,000	1.3			2.4	2.2	1.8
WA	31,000	1.1		1.3	2.7	1.6	
WV	23,400	2.0			2.5		
WI	23,600	1.7		1.7	2.9	2.0	1.6
WY	29,700	.90		1.2	2.2	2.0	
US	23,500	1.18	1.49	1.31	2.65	1.62	1.56

<sup>1</sup> Approximately 1,650 kernels per pound.<sup>2</sup> Shelled basis (multiply by 1.33 to obtain unshelled basis).<sup>3</sup> Fuzzy, non-dehulled equivalent basis.

National Agricultural Statistics Service. United States average is rate of seeding weighted by final 1987 area planted, by States except for winter wheat and rye which are weighted by preliminary 1988 area planted in 1987.

## used per acre for specified crops, by States

Flaxseed	Sorghum	Soybeans	Dry Beans	Sun-flowers	Rice	Potatoes (Irish)	Sweet-potatoes	Peanuts <sup>2</sup>	Cotton <sup>3</sup>
Pounds	Pounds	Bushels	Pounds	Seeds	Pounds	Cwt.	Cwt.	Pounds	Pounds
	18.0	0.80				15.1	4.0	98	23
	12.5					20.0			18
	8.3	.80			121.8				19
	17.0		63		155.0	21.1	5.0		23
	6.6		44			23.2			
						20.0			
		1.00				15.0			
		.85				25.8		98	22
	17.5	.80					7.7	105	24
			92			20.0			
	11.7	1.00				19.0			
		.95				19.8			
		.95				14.0			
	5.6	.90	54						20
	15.0	.90							
	11.1	.95			130.0	8.0	10.0		18
						21.0			
		1.00				14.0	6.6		
			48			20.0			
45.0		1.00	60	23,200		19.2			
	9.1	.80			105.0	16.4			
	7.8	.95			115.0		12.0		20
			60						21
	5.8	.95	54			20.0			
						24.5			
						20.0			
		1.30				18.0	8.0		
	8.0					20.0		92	32
			83			23.0			
45.0	13.0	.95				13.0	13.0	105	82
		1.20	52	20,700		15.0			
		1.20				18.0			
	8.8	.80						83	25
						21.3			
		1.40				19.0			
						22.7			
50.0	13.0	.70					12.0	86	14
	7.4	.95		19,000		14.0			
	15.0	.80				11.0	13.0		21
	7.4	.90		22,000	105.0	12.7	13.0	74	31
			15			24.0			
		1.10				13.1	13.7	105	18
			83			23.0			
		1.30				18.0			
			70			21.0			
45.6	7.11	.96	57	20,553	125.0	19.6	10.7	97	26

**Table 370.—Pasture and range: Condition,<sup>1</sup> June 1 and Sept. 1, by States, average 1976-85, annual 1986 and 1987**

State	Condition June 1			Condition Sept. 1			State	Condition June 1			Condition Sept. 1		
	Average 1976-85	1986	1987	Average 1976-85	1986	1987		Average 1976-85	1986	1987	Average 1976-85	1986	1987
	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent		Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent
AL.....	80	41	78	76	49	68	NV.....	84	87	79	82	70	69
AZ.....	79	63	87	76	89	81	NH.....	92	88	92	84	94	84
AR.....	87	93	72	66	75	64	Nj.....	88	75	95	75	82	75
CA.....	81	94	72	78	89	69	NM.....	76	58	96	77	98	89
CO.....	81	68	97	79	72	77	NY.....	88	87	84	77	92	80
CT.....	90	84	93	80	95	58	NC.....	84	54	89	74	62	52
DE.....	83	68	96	75	43	37	ND.....	70	96	86	65	86	85
FL.....	70	39	77	83	86	80	OH.....	86	80	89	82	69	66
GA.....	76	34	70	70	52	60	OK.....	87	88	79	69	83	83
ID.....	87	95	76	84	78	67	OR.....	89	84	75	83	69	70
IL.....	88	84	78	74	83	75	PA.....	88	80	93	78	77	56
IN.....	88	88	85	81	75	71	RI.....	92	84	96	88	95	50
IA.....	86	96	86	74	91	90	SC.....	75	35	73	69	51	60
KS.....	89	81	93	72	86	88	SD.....	70	91	88	69	89	80
KY.....	88	71	86	81	65	65	TN.....	88	75	79	76	72	69
LA.....	78	79	81	75	88	83	TX.....	73	67	86	59	71	74
ME.....	91	96	85	82	96	67	UT.....	84	88	85	79	88	84
MD.....	84	74	95	76	48	48	VT.....	90	94	84	80	92	83
MA.....	92	92	96	83	96	74	VA.....	85	73	95	76	69	37
MI.....	84	89	81	76	85	76	WA.....	84	81	74	79	76	72
MN.....	77	93	87	73	92	78	WV.....	82	76	90	81	64	36
MS.....	82	78	90	75	59	77	WI.....	85	89	85	78	88	80
MO.....	87	82	78	66	72	80	WY.....	86	93	95	81	88	86
MT.....	76	90	83	72	76	85	US.....	82	80	84	73	79	76
NE.....	86	91	93	76	85	84							

<sup>1</sup> Numerical equivalent of condition: 80 and over, good to excellent; 65-79, poor to fair; 50-64, very poor; 35-49, severe drought, and under 35, extreme drought.

National Agricultural Statistics Service.

**Table 371.—Field seeds: Average retail price paid by farmers for seed, Sept. 15, United States, 1977-85**

Kind of seed	1977	1978	1979	1980	1981	1982	1983	1984	1985 <sup>1</sup>
	Price per 100 pounds								
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Alfalfa, uncertified varieties.....	158.00	165.00	175.00	178.00	170.00	156.00	172.00	163.00	159.00
Alfalfa, certified varieties.....	182.00	190.00	210.00	219.00	217.00	205.00	212.00	227.00	227.00
Red clover.....	110.00	121.00	116.00	111.00	115.00	127.00	157.00	143.00	126.00
Alsike clover.....	88.00	64.00							
Ladino clover.....	220.00	220.00	235.00	260.00	313.00	331.00	350.00	366.00	351.00
Crimson clover.....	59.00	77.00	82.50	93.00	85.60	62.10	90.20	92.00	71.90
Timothy.....	75.00	97.50	94.00	91.50	88.10	59.90	70.90	69.10	64.50
Orchardgrass.....	62.00	69.50	88.00	92.00	97.90	97.60	97.70	91.40	82.50
Blue Grass, Kentucky: Public and common.....			155.00	156.00	139.00	99.00	90.00	95.00	145.00
Proprietary, including Merion			218.00	220.00	204.00	180.00	140.00	140.00	179.00
Tall fescue.....	50.00	47.50	52.50	47.50	62.30	59.00	69.40	59.30	60.80
Ryegrass, annual.....	28.00	28.50	29.00	28.50	35.20	36.70	37.80	37.10	36.60
Ryegrass, perennial.....	56.00	60.50	75.50	87.50	91.40	86.40	77.00	70.80	75.60
Hairy vetch.....	49.00	56.00	65.50	64.00	70.40	67.50	72.80	61.00	65.00
	Price per bushel								
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Wheat (winter).....	4.40	5.90	7.40	7.40	7.41	7.42	7.28	7.40	7.16
Oats (winter).....	3.60	3.25	3.95	4.60	4.82	5.18	5.10	5.36	4.95
Barley (winter).....	4.30	4.70	5.40	5.70	6.09	6.14	6.28	6.65	6.72
Rye.....	5.20	4.90	6.20	6.60	6.76	6.73	6.62	6.90	6.80

<sup>1</sup> Last year of series. Table will be discontinued in next issue.

National Agricultural Statistics Service.

Table 372.—Field seeds: Average retail price paid by farmers for seed, Apr. 15, United States, 1979-88

Kind of seed	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
	Price per 100 pounds									
	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars
Alfalfa, uncertified varieties.....	180.00	174.00	172.00	153.00	163.00	156.00	149.00	170.00	173.00	181.00
Alfalfa, certified varieties.....	215.00	213.00	218.00	202.00	208.00	219.00	219.00	219.00	222.00	245.00
Red clover.....	115.00	110.00	117.00	126.00	160.00	145.00	121.00	133.00	160.00	143.00
Ladino clover.....	280.00	250.00	317.00	326.00	346.00	364.00	355.00	339.00	323.00	300.00
Lespedeza, Korean.....	66.00	52.00	82.00	75.10	72.10	85.70	115.00	85.00	68.00	67.50
Lespedeza, Striate, Kobe.....	96.00	71.00	104.00	96.00	103.00	137.00	109.00	78.50	82.00	83.50
Lespedeza, Sericea.....	157.00	106.00	128.00	115.00	91.10	198.00	210.00	193.00	233.00	275.00
Timothy.....	98.00	80.00	98.20	62.00	69.20	69.30	58.80	78.10	107.00	132.00
Orchardgrass.....	85.00	95.00	98.00	101.00	96.10	94.70	80.90	86.90	115.00	116.00
Blue Grass, Kentucky: Public and common.....	125.00	160.00	129.00	107.00	89.00	91.00	103.00	211.00	246.00	283.00
Proprietary, including Merion.....	220.00	205.00	177.00	184.00	150.00	143.00	147.00	230.00	273.00	283.00
Ryegrass, annual.....	32.00	35.50	37.80	37.20	39.20	39.00	37.30	36.10	45.10	47.90
Tall fescue.....	40.00	49.50	65.40	59.50	73.80	72.90	53.10	66.70	107.00	71.80
Sudangrass.....	33.00	33.50	40.70	45.10	45.00	42.40	43.50	44.70	44.20	42.00
Potatoes.....	4.60	4.90	11.00	8.10	6.90	8.76	8.96	6.62	7.95	7.12
Peanuts.....	54.00	64.00	80.00	58.00	60.50	71.60	61.30	66.70	84.10	74.20
Sunflower <sup>1</sup> .....	155.00	165.00	181.00	200.00	211.00	254.00	257.00	258.00	281.00	266.00
Cottonseed.....	33.10	35.20	40.60	41.60	42.80	48.00	48.20	46.60	48.10	47.70
Grain sorghums, hybrid.....	41.00	45.00	49.40	61.50	65.30	64.20	66.10	67.40	63.60	65.70
Forage sorghums.....	23.80	27.00	32.30							
	Price per bushel									
	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars	Dol-lars
Corn, hybrid.....	45.50	52.50	60.00	63.70	64.60	70.20	71.80	<sup>1</sup> 65.60	64.90	64.20
Wheat (spring).....	5.40	6.60	7.22	6.89	6.69	6.37	6.10	5.94	5.56	5.89
Oats (spring).....	3.20	3.95	4.42	4.51	4.37	4.52	4.18	3.63	3.99	4.37
Barley (spring).....	4.20	4.90	5.95	5.60	5.22	5.31	5.10	4.82	4.47	4.58
Soybeans for seed.....	12.00	10.40	14.00	10.70	10.10	13.40	11.90	10.80	11.30	11.90
Flaxseed.....	10.00	9.80	12.90	11.20	9.24	9.82	9.80	8.37	6.11	6.61

<sup>1</sup> Price per 80,000 kernels.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 368

<sup>1</sup> Numerical equivalent of condition: 80 and over, good to excellent; 65-79, poor to fair; 50-64, very poor; 35-49, severe drought; and under 35, extreme drought.<sup>2</sup> Excludes Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin.<sup>3</sup> 30 States (April only). April only discontinued after 1985.<sup>4</sup> 37 States (April and December only).

National Agricultural Statistics Service.

**Table 373.—Beans, dry edible: Area, yield, production, disposition, and value, United States, 1973-87<sup>1 2</sup>**

Year	Area planted	Area harvested	Yield per harvested acre <sup>3</sup>	Production <sup>3</sup>	Used on farms where produced	Sold	Season average price per 100 pounds received by farmers <sup>4</sup>	Value of production <sup>4</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	1,358.7	1,331.7	1,222	16,274	157	16,117	27.30	444,945
1974.....	1,587.4	1,517.8	1,339	20,330	163	20,167	19.80	402,367
1975.....	1,514.2	1,466.1	1,190	17,442	152	17,290	20.10	350,988
1976.....	1,531.8	1,489.3	1,198	17,836	149	17,687	15.50	276,876
1977.....	1,402.7	1,269.9	1,304	16,555	136	16,419	20.20	333,821
1978.....	1,503.9	1,454.4	1,302	18,935	134	18,801	17.30	327,512
1979.....	1,427.0	1,387.7	1,481	20,552	( <sup>5</sup> )	( <sup>5</sup> )	22.80	468,098
1980.....	1,920.0	1,859.0	1,438	26,729	( <sup>5</sup> )	( <sup>5</sup> )	27.60	737,447
1981.....	2,390.0	2,270.0	1,443	32,751	( <sup>5</sup> )	( <sup>5</sup> )	21.00	688,471
1982.....	1,924.5	1,777.0	1,439	25,563	( <sup>5</sup> )	( <sup>5</sup> )	14.20	363,809
1983.....	1,180.0	1,138.7	1,363	15,520	( <sup>5</sup> )	( <sup>5</sup> )	22.40	347,367
1984.....	1,501.0	1,460.3	1,443	21,070	( <sup>5</sup> )	( <sup>5</sup> )	18.70	394,969
1985.....	1,569.9	1,481.4	1,497	22,175	( <sup>5</sup> )	( <sup>5</sup> )	17.60	389,376
1986.....	1,673.8	1,495.0	1,531	22,886	( <sup>5</sup> )	( <sup>5</sup> )	19.10	436,254
1987 <sup>6</sup> .....	1,755.6	1,708.4	1,540	26,309	( <sup>5</sup> )	( <sup>5</sup> )	15.50	406,628

<sup>1</sup> Figures include principal producing States only.<sup>2</sup> Excludes beans grown for garden seed.<sup>3</sup> Cleaned basis.<sup>4</sup> Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.<sup>5</sup> Estimates discontinued.<sup>6</sup> Preliminary.

National Agricultural Statistics Service.

**Table 374.—Beans, dry edible (cleaned basis): Production, by classes, United States, 1985-87<sup>1</sup>**

Class	1985	1986	1987 <sup>2</sup>	Class	1985	1986	1987 <sup>2</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
Peas (navy).....	6,273	3,515	7,723	Black turtle soup.....	182	717	203
Great northern.....	1,480	2,724	2,486	Large lima.....	931	385	441
Small white.....	631	220	628	Baby lima.....	674	637	485
Pinto.....	7,505	10,038	9,496	Blackeye, California.....	780	727	1,100
Red kidney.....	1,665	1,381	1,738	Garbanzo.....	39	48	97
Pink.....	816	1,248	872	Other.....	418	477	430
Small red.....	506	549	394	Total.....	22,175	886	26,309
Cranberry.....	275	220	216				

<sup>1</sup> Excludes beans grown for garden seed.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 375.—Beans, dry edible: Area, yield, and production, by States, 1985-87 <sup>1</sup>

State	Area planted			Area harvested			Yield per harvested acre (cleaned basis)			Production (cleaned basis)		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
CA.....	180.0	157.0	172.0	178.0	155.0	168.0	2,002	1,846	1,856	3,563	2,862	3,118
CO.....	210.0	191.0	185.0	205.0	185.0	180.0	1,300	1,460	1,450	2,665	2,701	2,610
ID.....	120.0	140.0	152.0	118.0	139.0	148.0	1,700	1,960	1,900	2,006	2,724	2,812
KS.....	17.0	24.0	26.0	16.0	23.0	25.0	1,700	1,650	1,450	272	380	363
MI.....	440.0	480.0	470.0	410.0	340.0	440.0	1,320	800	1,260	5,412	2,720	5,544
MN.....	68.0	65.0	75.0	62.0	61.0	74.0	1,400	1,650	1,600	868	1,007	1,184
MT.....	3.4	4.8	5.8	3.0	4.5	5.7	1,900	2,160	2,190	57	97	125
NE.....	165.0	215.0	205.0	151.0	205.0	197.0	1,850	2,100	1,780	2,794	4,305	3,507
NM <sup>3</sup> .....			11.0			11.0			1,930			212
NY.....	35.0	33.0	29.0	33.0	31.0	23.0	900	1,400	1,500	297	434	420
ND.....	260.0	290.0	370.0	237.0	280.0	359.0	1,270	1,550	1,400	3,010	4,340	5,026
UT.....	8.5	9.0	6.8	8.4	8.5	6.7	480	480	700	40	41	47
WA.....	34.0	32.0	36.0	33.0	31.0	35.0	2,150	2,160	2,130	710	670	746
WY.....	29.0	33.0	32.0	27.0	32.0	31.0	1,780	1,890	1,920	481	605	595
US.....	1,569.9	1,673.8	1,755.6	1,481.4	1,495.0	1,708.4	1,497	1,531	1,540	22,175	22,886	26,309

<sup>1</sup> Excludes beans grown for garden seed.  
<sup>2</sup> Preliminary.  
<sup>3</sup> Estimates begin with 1987 crop.  
 National Agricultural Statistics Service.

Table 376.—Beans, dry edible (cleaned basis): Season average price and value of production, by States, crop of 1985, 1986, and 1987 <sup>1</sup>

State	Season average price per cwt.			Value of production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
CA.....	22.30	28.50	25.60	79,455	81,567	79,821
CO.....	17.20	15.20	13.90	45,838	41,055	36,279
ID.....	18.80	15.90	14.70	37,713	43,312	41,336
KS.....	17.20	14.90	13.00	4,678	5,662	4,719
MI.....	15.00	23.60	13.40	81,180	64,192	74,290
MN.....	14.60	22.10	16.20	12,673	22,255	19,181
MT.....	17.00	15.00	12.00	969	1,455	1,500
NE.....	19.90	16.30	15.80	55,601	70,172	55,411
NM <sup>3</sup> .....			13.50			2,862
NY.....	19.10	19.50	17.10	5,673	8,463	7,182
ND.....	14.40	17.60	12.70	43,344	76,384	63,830
UT.....	18.00	15.00	13.90	720	615	653
WA.....	18.20	17.80	14.90	12,922	11,926	11,115
WY.....	17.90	15.20	14.20	8,610	9,196	8,449
US.....	17.60	19.10	15.50	389,376	436,254	406,628

<sup>1</sup> Excludes beans grown for garden seed.  
<sup>2</sup> Preliminary.  
<sup>3</sup> Estimates begin with 1987 crop.  
 National Agricultural Statistics Service.

**Table 377.—Beans, dry edible: Season average wholesale price per 100 pounds, selected markets, 1973-86**

Year beginning September	F.o.b. California points				F.o.b. Colorado points: Pinto	F.o.b. Western Nebraska points: Great northern	F.o.b. Southern Idaho points: Small reds	F.o.b. Michigan points: Pea bean (Navy)
	Baby lima	Large lima	Blackeye	Light red kidney				
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1973.....	32.50	39.18	29.82	41.75	39.15	30.60	43.55	(1)
1974.....	16.00	24.55	14.70	27.95	32.75	20.95	27.65	16.08
1975.....	17.71	32.68	21.77	23.81	17.85	21.15	19.95	28.11
1976.....	20.82	40.69	31.78	21.35	14.75	18.20	16.10	18.65
1977.....	20.41	31.45	23.00	37.92	23.25	23.80	22.55	22.10
1978.....	22.27	37.05	25.95	22.90	21.65	23.56	25.14	18.89
1979.....	21.13	43.58	24.22	31.22	31.76	27.25	33.06	22.74
1980.....	39.25	40.68	31.52	34.46	35.51	35.13	35.87	33.47
1981.....	26.78	36.92	31.17	31.39	17.82	26.62	21.04	31.88
1982.....	28.61	32.65	23.19	22.05	15.06	20.15	18.78	17.20
1983.....	28.60	51.07	30.33	38.47	21.84	23.47	22.28	26.49
1984.....	23.44	43.40	24.47	30.31	20.72	19.36	23.66	22.77
1985.....	20.38	23.40	22.84	26.80	22.09	27.02	23.24	18.56
1986.....	21.91	25.85	34.84	33.22	19.22	24.53	19.61	43.22

<sup>1</sup> Data not collected prior to 1974.

Economic Research Service. Compiled from the Bean Market Summary (formerly Bean Market Review), Agricultural Marketing Service, U.S. Department of Agriculture, Denver, Colorado.

**Table 378.—Beans, dry edible: United States exports to specified countries, 1984/85-1986/87<sup>1 2</sup>**

Continent and country	1984/85	1985/86	1986/87	Continent and country	1984/85	1985/86	1986/87
	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	Metric tons
North America:				Europe—Continued			
Canada.....	12,709	9,429	6,279	Italy.....	6,831	12,552	6,334
Dominican Republic.....	2,370	7,129	11,368	Netherlands.....	19,293	17,030	11,094
French West Indies.....	825	1,092	1,196	Spain.....	1,797	2,181	2,023
Mexico.....	8,642	35,441	129,933	United Kingdom.....	56,746	59,555	89,439
Panama.....	4,107	5,743	1,577	Total.....	104,085	117,235	133,671
Trinidad and Tobago.....	2,395	1,706	2,024	Asia:			
Total.....	31,048	60,540	152,377	Israel.....	413	307	478
South America:				Japan.....	21,064	27,534	23,103
Brazil.....	32,081	1,530	96	Philippines.....	520	748	1,548
Colombia.....	6,475	6	32	Total.....	21,997	28,589	25,129
Venezuela.....	14,760	5,453	4,953	Oceania:			
Total.....	53,316	6,989	5,081	Australia.....	2,174	2,429	3,107
Europe:				Other countries.....	58,642	78,338	107,285
Belgium and Luxembourg.....	3,822	8,083	3,355	Grand total.....	271,262	294,120	426,650
France.....	12,302	13,791	17,057				
Germany, Fed. Rep. of.....	3,294	4,043	4,369				

<sup>1</sup> Marketing year beginning previous September.<sup>2</sup> Excluding seed bean exports.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.



Table 379.—Beans, dry edible: United States exports by class and quantity, 1973-87

Year <sup>1</sup>	Navy or pea	Great northern	Other white	Pinto	Red kidney	Other <sup>2</sup>	Seed	Total
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973	61,436	31,440	2,264	11,285	5,047	61,996	8,313	181,781
1974	56,112	19,776	5,743	30,996	3,662	43,933	5,600	165,822
1975	66,181	43,731	2,564	83,918	9,659	73,878	6,270	286,201
1976	42,737	12,480	1,437	22,217	6,518	39,154	6,782	131,325
1977	32,822	41,178	1,707	29,893	11,424	66,627	6,282	189,933
1978	81,348	39,699	3,585	32,187	10,189	65,933	6,267	239,208
1979	65,225	48,385	4,651	43,746	17,365	69,229	5,715	254,316
1980	73,276	50,380	5,002	92,249	38,190	73,792	9,261	342,150
1981	101,095	64,210	6,229	316,616	25,907	155,079	13,505	682,641
1982	80,279	70,195	5,398	383,635	21,684	207,237	10,876	779,304
1983	89,145	68,841	4,491	14,301	20,537	86,757	n.a.	284,071
1984	63,028	38,491	4,741	24,976	21,147	83,361	n.a.	235,744
1985	62,756	55,024	3,368	65,105	13,267	71,742	n.a.	271,262
1986	83,525	33,582	3,723	60,843	15,750	96,698	n.a.	294,121
1987	93,217	52,190	3,388	159,849	18,883	99,123	n.a.	426,650

<sup>1</sup> Marketing year beginning previous September.

<sup>2</sup> Includes other colored, black turtle, blackeye, and limas.

n.a. not available.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 380.—Peas, dry field: United States exports to specified countries, 1984/85-1986/87 <sup>1 2</sup>

Continent and country	1984/85	1985/86	1986/87	Continent and country	1984/85	1985/86	1986/87
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Europe—Continued			
Canada	409	570	1,036	Iceland	172	459	0
Mexico	212	124	1,218	Italy	1,345	1,058	805
Panama	535	494	486	Netherlands	145	262	576
Trinidad and Tobago	2,307	959	356	Norway	389	462	441
Total	3,463	2,147	3,096	Sweden	38	0	0
				Switzerland	0	35	191
South America:				United Kingdom	2,463	2,285	3,007
Brazil	3,896	7,368	5,478	Total	4,819	5,140	5,877
Colombia	12,018	9,947	15,929				
Peru	7,225	8,026	5,949	Asia:			
Surinam	73	0	0	Hong Kong	773	345	407
Venezuela	24,971	11,212	8,762	Israel	390	196	322
Total	48,183	36,553	34,118	Japan	5,909	6,853	5,325
				Philippines	1,411	1,475	2,523
Europe:				Total	8,483	8,869	8,577
Belgium and Luxembourg	0	514	0				
Denmark	0	65	4	Other countries	49,250	47,554	41,209
Germany, Fed. Rep. of	267	0	853	Grand total	114,198	100,263	94,877

<sup>1</sup> Marketing year beginning previous September.

<sup>2</sup> Excluding seed pea exports.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 381.—Hops: Season average price and value of production, by States, crop of 1985, 1986, and 1987**

State	Season average price per pound			Value of production		
	1985	1986	1987 <sup>1</sup>	1985	1986 <sup>1</sup>	1987 <sup>1</sup>
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
CA.....	( <sup>2</sup> ) 318.0	( <sup>2</sup> ) 259.0	( <sup>2</sup> ) 276.0	( <sup>2</sup> ) 16,069	( <sup>2</sup> ) 13,209	( <sup>2</sup> ) 10,626
ID.....	236.0	208.0	180.0	19,340	17,609	15,840
OR.....	181.0	159.0	138.0	65,637	56,439	51,609
WA.....						
Total.....	203.0	178.0	156.0	101,046	87,257	78,075

<sup>1</sup> Preliminary.<sup>2</sup> Data combined with Washington to avoid disclosure of individual operations.

National Agricultural Statistics Service.

**Table 382.—Hops: Area, yield, and production, by States, 1985-87**

State	Area harvested			Yield per acre			Production <sup>1</sup>		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985 <sup>2</sup>	1986	1987 <sup>1</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
CA.....	( <sup>3</sup> ) 3.1	( <sup>3</sup> ) 2.5	( <sup>3</sup> ) 2.2	( <sup>3</sup> ) 1,630	( <sup>3</sup> ) 2,040	( <sup>3</sup> ) 1,750	( <sup>3</sup> ) 5,053	( <sup>3</sup> ) 5,000	( <sup>3</sup> ) 3,850
ID.....	5.5	5.1	6.0	1,490	1,660	1,470	8,195	8,466	8,800
OR.....	19.5	17.4	20.1	1,870	2,040	1,860	36,465	35,496	37,398
WA.....									
US.....	28.1	25.0	28.3	1,769	1,962	1,768	49,713	49,062	50,048

<sup>1</sup> Preliminary.<sup>2</sup> Includes hops lost by fire (pounds): 1985—Wash. 40,000.<sup>3</sup> Data combined with Washington to avoid disclosure of individual operations.

National Agricultural Statistics Service.

**Table 383.—Hops: Area, yield, production, farm disposition, value, and Sept. 1 stocks, United States, 1973-87**

Year	Area harvested	Yield per acre	Production <sup>1</sup>	Sales	Season average price per pound received by farmers	Value of production	Stocks Sept. 1
	1,000 acres	Pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars	1,000 pounds
1973.....	31.4	1,744	54,769	54,769	75.7	41,457	30,280
1974.....	32.4	1,759	56,979	56,928	79.8	45,486	33,720
1975.....	32.1	1,742	55,913	55,737	83.0	46,419	42,170
1976.....	30.9	1,870	57,774	57,774	84.8	48,982	50,400
1977.....	30.5	1,796	54,777	54,777	89.6	49,095	50,480
1978.....	30.9	1,782	55,071	54,856	90.1	49,599	47,540
1979.....	31.8	1,727	54,929	54,929	97.6	53,614	38,290
1980.....	37.1	2,037	75,560	( <sup>2</sup> )	151.0	114,194	32,800
1981.....	43.1	1,886	79,144	( <sup>2</sup> )	151.0	119,220	34,430
1982.....	39.6	1,984	78,558	( <sup>2</sup> )	174.0	136,884	47,030
1983.....	36.9	1,846	68,111	( <sup>2</sup> )	193.0	131,483	61,080
1984.....	30.8	1,824	56,167	( <sup>2</sup> )	210.0	117,701	68,096
1985.....	28.1	1,769	49,713	( <sup>2</sup> )	203.0	101,046	70,460
1986.....	25.0	1,962	49,062	( <sup>2</sup> )	178.0	87,257	70,950
1987 <sup>3</sup> .....	28.3	1,768	50,048	( <sup>2</sup> )	156.0	78,075	70,630

<sup>1</sup> Includes the following quantities not marketed because of economic conditions, fire losses, and/or provisions under terms of a marketing agreement (1,000 pounds): 51 in 1974; 176 in 1975; 215 in 1978; 888 in 1980; 90 in 1981; 5 in 1982; 1,020 in 1983; 10 in 1984; and 40 in 1985.

<sup>2</sup> Series discontinued.

<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 384.—Hops: United States exports by country of destination and imports by country of origin, 1984/85-1985/87**

Item and country	Year beginning September			Item and country	Year beginning September		
	1984/85	1985/86	1986/87		1984/85	1985/86	1986/87
<b>EXPORTS</b>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<b>EXPORTS</b>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Other countries:			
Belgium/Luxembourg.....	40	20	60	Canada.....	1,226	715	721
Germany, Fed. Rep. of.....	207	271	115	Japan.....	299	310	484
Ireland.....	58	0	127	Nigeria.....	246	111	111
United Kingdom.....	1	45	158	South Africa.....	45	72	89
Other countries.....	239	124	144	Other countries.....	295	237	278
Total.....	545	460	604	Total.....	2,111	1,445	1,683
Latin America:				Grand total.....	6,980	5,613	6,264
Argentina.....	71	177	186	<b>IMPORTS</b>			
Brazil.....	1,959	1,528	1,776	Australia.....	37	73	0
Chile.....	32	37	43	Belgium/Luxembourg.....	11	11	11
Colombia.....	367	753	612	Canada.....	63	34	52
Guatemala.....	53	50	7	Czechoslovakia.....	729	1,243	2,430
Mexico.....	1,293	693	879	France.....	163	145	128
Peru.....	25	74	96	Germany, Fed. Rep. of.....	5,396	6,355	3,546
Uruguay.....	8	10	17	Poland.....	236	200	434
Venezuela.....	155	163	106	United Kingdom.....	2	2	2
Other countries.....	361	223	255	Yugoslavia.....	0	114	0
Total.....	4,324	3,708	3,977	Other countries.....	121	3	78
				Total.....	6,758	8,180	6,681

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

## CHAPTER VII

# STATISTICS OF CATTLE, HOGS, AND SHEEP

This chapter contains information about most kinds of farm livestock and livestock products, with the exception of dairy and poultry. The information relates to inventories, production, disposition, prices, and income for farm animals, and to livestock slaughter (including horse slaughter), meat production, and market statistics for meat animals.

**Table 385.—All cattle and calves: Number and value, United States, Jan. 1, 1973-88**

Year	Total number	Value		Year	Total number	Value	
		Per head	Total			Per head	Total
	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	121,539	252.00	30,583,562	1981.....	114,351	473.00	54,123,534
1974.....	127,788	293.00	37,477,181	1982.....	115,444	415.00	47,905,367
1975.....	132,028	159.00	20,999,808	1983.....	115,001	406.00	46,708,350
1976.....	127,980	190.00	24,334,959	1984.....	113,700	396.00	44,975,575
1977.....	122,810	206.00	25,249,390	1985.....	109,749	402.00	44,138,618
1978.....	116,375	232.00	27,030,385	1986.....	105,468	391.00	41,279,749
1979.....	110,864	403.00	44,697,773	1987.....	102,000	407.00	41,482,765
1980.....	111,242	502.00	55,844,204	1988 <sup>1</sup> .....	98,994	523.00	51,807,580

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 386.—All cattle and calves: Number, by classes, United States, Jan. 1, 1973-88**

Year	All cattle and calves	Cows and heifers that have calved		500 pounds and over					Calves under 500 pounds
		Beef cows	Milk cows	Heifers			Steers	Bulls	
				Beef cow replacements	Milk cow replacements	Other			
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1973.....	121,539	40,982	11,622	7,434	3,872	6,432	16,553	2,467	32,229
1974.....	127,788	43,182	11,297	8,193	3,941	6,852	17,760	2,643	33,922
1975.....	132,028	45,712	11,220	8,884	4,087	6,518	16,333	2,985	36,291
1976.....	127,980	43,901	11,071	7,192	3,956	7,391	17,094	2,845	34,531
1977.....	122,810	41,443	10,998	6,527	3,887	8,048	16,884	2,664	32,360
1978.....	116,375	38,738	10,896	5,858	3,886	7,949	16,868	2,538	29,643
1979.....	110,864	37,062	10,790	5,527	3,932	7,445	16,442	2,403	27,263
1980.....	111,242	37,107	10,758	5,942	4,159	7,132	16,049	2,492	27,603
1981.....	114,351	38,773	10,849	6,137	4,342	7,280	15,521	2,547	28,903
1982.....	115,444	39,230	10,986	6,607	4,547	7,190	15,497	2,611	28,777
1983.....	115,001	37,940	11,047	6,336	4,545	7,965	16,214	2,609	28,346
1984.....	113,700	37,494	11,109	6,183	4,532	7,851	16,371	2,549	27,611
1985.....	109,749	35,370	10,805	5,542	4,760	8,056	16,369	2,411	26,436
1986.....	105,468	33,633	11,177	5,149	4,761	8,090	15,967	2,261	24,431
1987.....	102,000	33,779	10,502	5,164	4,331	7,561	15,304	2,204	23,154
1988 <sup>1</sup> .....	98,994	32,958	10,307	5,155	4,111	7,812	15,592	2,163	20,895

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 387.—All cattle and calves: Number and value, by States, Jan. 1, 1986-88

State	Number			Value					
	1986	1987	1988 <sup>1</sup>	Value per head			Total value		
				1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL	1,780	1,850	1,670	290.00	295.00	405.00	516,200	545,750	676,350
AK	9.2	9.5	9.5	620.00	620.00	680.00	5,704	5,890	6,460
AZ	1,050	1,000	960	375.00	385.00	500.00	393,750	385,000	480,000
AR	1,750	1,840	1,850	320.00	325.00	430.00	560,000	598,000	795,500
CA	5,000	4,750	4,600	515.00	545.00	630.00	2,575,000	2,588,750	2,898,000
CO	2,850	2,600	2,700	435.00	430.00	565.00	1,239,750	1,118,000	1,525,500
CT	100	83	77	555.00	570.00	625.00	55,500	47,310	48,125
DE	27	31	29	615.00	560.00	630.00	16,605	17,360	18,270
FL	2,150	2,140	1,970	345.00	345.00	480.00	731,400	738,300	945,600
GA	1,700	1,650	1,520	300.00	320.00	445.00	510,000	528,000	676,400
HI	209	195	199	330.00	360.00	410.00	68,970	70,200	81,590
ID	1,750	1,550	1,570	400.00	415.00	570.00	700,000	643,250	894,900
IL	2,470	2,250	2,050	410.00	420.00	550.00	1,012,700	945,000	1,127,500
IN	1,450	1,470	1,360	395.00	390.00	505.00	620,150	573,300	686,600
IA	4,950	4,650	4,600	420.00	430.00	545.00	2,079,500	1,999,500	2,507,000
KS	5,800	5,320	5,860	360.00	370.00	475.00	2,088,000	2,190,400	2,783,500
KY	2,480	2,450	2,450	365.00	380.00	475.00	905,200	931,000	1,163,750
LA	1,240	1,160	1,125	335.00	345.00	455.00	415,400	400,200	511,875
ME	135	120	113	505.00	515.00	555.00	68,175	61,800	62,715
MD	370	330	320	580.00	575.00	660.00	214,600	189,750	211,200
MA	100	85	70	560.00	570.00	625.00	56,500	48,450	43,750
MI	1,410	1,325	1,225	475.00	500.00	610.00	669,750	662,500	747,250
MN	3,400	3,150	2,850	425.00	465.00	600.00	1,445,000	1,464,750	1,710,000
MS	1,430	1,373	1,350	300.00	305.00	425.00	429,000	418,765	573,750
MO	4,800	4,600	4,250	350.00	390.00	495.00	1,680,000	1,794,000	2,103,750
MT	2,450	2,400	2,350	375.00	405.00	595.00	918,750	972,000	1,398,250
NE	5,800	5,500	5,450	395.00	410.00	510.00	2,291,000	2,255,000	2,779,500
NV	610	550	500	360.00	375.00	505.00	219,600	206,250	252,500
NH	69	62	55	535.00	550.00	585.00	36,915	34,100	32,175
NJ	97	90	80	615.00	610.00	875.00	59,655	54,900	54,000
NM	1,390	1,360	1,320	350.00	355.00	480.00	486,500	482,800	633,600
ND	1,970	1,854	1,702	520.00	550.00	665.00	1,024,400	1,019,700	1,131,830
NC	1,100	950	825	360.00	365.00	455.00	395,000	346,750	375,375
ND	2,000	1,900	1,800	395.00	420.00	595.00	790,000	798,000	1,071,000
OH	1,840	1,800	1,820	435.00	450.00	550.00	800,400	810,000	1,001,000
OK	5,200	5,200	5,050	325.00	330.00	445.00	1,690,000	1,716,000	2,247,250
OR	1,575	1,400	1,360	390.00	420.00	540.00	614,250	588,000	734,400
PA	1,960	1,950	1,920	525.00	550.00	665.00	1,029,000	1,072,500	1,276,800
RI	635	620	620	575.00	570.00	605.00	362,625	339,000	423,500
SC	3,600	3,600	3,500	340.00	355.00	445.00	215,900	220,100	275,900
SD	3,600	3,600	3,500	385.00	405.00	555.00	1,386,000	1,458,000	1,942,500
TN	2,500	2,400	2,300	320.00	335.00	465.00	800,000	804,000	1,069,500
TX	13,600	13,400	13,500	335.00	340.00	470.00	4,556,000	4,556,000	6,345,000
UT	790	770	760	395.00	410.00	545.00	312,050	315,700	414,200
VT	350	325	297	570.00	610.00	640.00	199,500	198,250	190,080
VA	1,840	1,860	1,700	355.00	365.00	465.00	652,200	678,900	790,500
WA	1,460	1,300	1,290	440.00	485.00	610.00	642,400	630,500	786,900
WV	520	560	490	375.00	355.00	440.00	195,000	198,800	215,600
WI	4,280	4,260	4,230	570.00	605.00	655.00	2,439,600	2,577,300	2,770,650
WY	1,325	1,300	1,290	350.00	400.00	570.00	463,750	520,000	735,300
US.....	105,468	102,000	98,994	391.00	407.00	523.00	41,279,749	41,482,765	51,807,580

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 388.—Cattle and calves, Jan. 1: Number, by sex and weight classes, by States, 1987 and 1988

State	Cows and heifers that have calved				Heifers, 500 pounds and over					
	Beef cows		Milk cows		Beef cow replacements		Milk cow replacements		Other	
	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
AL.....	917	875	43	40	148	128	13	12	65	50
AK.....	2.5	2.5	2.4	2.3	6	6	8	7	1	1
AZ.....	268	260	87	90	54	51	20	19	18	14
AR.....	938	945	62	72	160	144	22	30	34	46
CA.....	950	895	990	1,005	155	150	470	470	185	160
CO.....	752	778	78	72	109	120	26	32	580	613
CT.....	6	5	40	37	1	1	15	14	1	1
DE.....	3	2	10	9	1	1	2	2	1	1
FL.....	1,192	1,086	178	179	170	155	35	30	35	20
GA.....	760	703	100	102	116	105	38	38	69	57
HI.....	68	73	12	12	20	15	5	5	17	19
ID.....	518	510	162	160	82	90	68	68	130	132
IL.....	565	525	215	210	60	55	95	95	375	355
IN.....	381	370	199	190	55	50	90	85	120	110
IA.....	1,182	1,201	308	299	140	160	125	128	550	595
KS.....	1,461	1,466	109	104	192	206	43	41	895	923
KY.....	997	1,017	223	218	146	149	75	77	96	98
LA.....	620	615	89	87	95	98	26	26	22	20
ME.....	10	8	49	47	4	3	20	19	2	1
MD.....	56	53	117	113	11	13	47	44	7	9
MA.....	11	10	37	33	2	2	14	8	1	1
MI.....	150	130	370	358	37	29	187	161	54	43
MN.....	405	370	855	810	66	63	350	342	274	220
MS.....	690	706	75	68	115	121	30	24	20	19
MO.....	1,961	1,866	219	224	271	245	97	95	182	180
MT.....	1,303	1,275	24	25	235	255	7	7	142	156
NE.....	1,677	1,680	103	100	200	200	30	30	930	960
NV.....	266	246	19	19	36	34	8	7	16	14
NH.....	6	5	27	23	1	1	11	10	1	1
NJ.....	13	11	35	31	3	3	13	12	2	2
NM.....	529	527	61	59	97	91	22	18	77	80
NY.....	100	112	900	844	35	26	386	291	46	61
NC.....	361	320	114	105	61	50	35	34	26	21
ND.....	908	871	92	99	139	143	33	26	130	144
OH.....	390	412	370	368	65	65	160	165	95	100
OK.....	1,940	1,842	110	108	245	225	40	35	445	510
OR.....	568	547	92	94	91	97	49	44	84	85
PA.....	212	206	730	724	40	39	294	292	52	48
RI.....	7	8	3.0	2.9	3	3	1.2	1.2	0	0
SC.....	280	284	46	43	50	50	16	16	20	19
SD.....	1,491	1,448	149	147	184	224	39	42	302	368
TN.....	1,027	986	203	204	175	165	85	75	50	45
TX.....	5,275	5,260	325	340	880	910	100	100	1,040	1,080
UT.....	320	318	74	73	45	51	36	35	41	42
VT.....	12	9	178	170	3	2	63	52	1	1
VA.....	720	690	150	145	99	95	82	85	57	60
WA.....	399	359	201	211	75	72	80	80	103	133
WV.....	278	248	32	31	35	35	10	10	31	27
WI.....	190	200	1,825	1,790	47	41	814	775	98	80
WY.....	650	630	10	10	112	126	3	3	89	88
US.....	33,779	32,958	10,502	10,307	5,164	5,155	4,331	4,111	7,561	7,812

See footnotes at end of table.

Table 388.—Cattle and calves, Jan. 1: Number, by sex and weight classes, by States, 1987 and 1988—Continued

State	Steers, 500 pounds and over		Bulls, 500 pounds and over		Calves under 500 pounds	
	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	112	90	62	60	490	415
AK.....	3	4	1.1	1.1	1.7	1.8
AZ.....	285	299	30	27	238	200
AR.....	105	95	56	61	483	457
CA.....	830	850	70	70	1,100	1,000
CO.....	665	730	45	45	395	310
CT.....	3	2	1	1	16	16
DE.....	6	7	1	1	7	6
FL.....	40	30	75	70	415	400
GA.....	90	75	53	50	424	390
HI.....	23	22	5	5	45	48
ID.....	240	265	35	30	315	315
IL.....	390	360	40	40	510	410
IN.....	205	195	30	25	390	325
IA.....	1,065	1,088	70	80	1,210	1,049
KS.....	1,815	1,850	70	70	1,385	1,200
KY.....	245	220	69	71	599	600
LA.....	30	27	37	37	241	215
ME.....	6	5	2	2	27	28
MD.....	21	22	5	5	66	61
MA.....	3	3	1	1	16	12
MI.....	210	203	17	16	300	285
MN.....	485	399	38	36	677	610
MS.....	55	45	50	50	338	317
MO.....	480	440	100	100	1,290	1,100
MT.....	228	254	77	72	384	306
NE.....	1,350	1,440	80	80	1,130	960
NV.....	38	28	15	14	152	138
NH.....	3	2	1	1	12	12
NJ.....	6	4	2	2	16	15
NM.....	212	220	39	37	323	288
NY.....	37	43	21	19	329	306
NC.....	57	47	28	26	268	222
ND.....	195	216	46	46	357	255
OH.....	270	250	40	40	410	420
OK.....	940	1,020	115	100	1,365	1,210
OR.....	155	166	34	32	327	295
PA.....	211	197	30	30	381	384
RI.....	4	4	1	1	1.3	1.3
SC.....	36	38	23	23	149	147
SD.....	445	497	72	70	918	704
TN.....	155	140	60	60	645	625
TX.....	2,500	2,700	380	390	2,900	2,720
UT.....	90	90	19	18	145	133
VT.....	4	4	4	3	60	56
VA.....	299	200	43	40	410	385
WA.....	209	233	23	22	210	180
WV.....	40	38	17	14	117	87
WI.....	277	295	34	34	975	1,015
WY.....	137	747	38	36	261	250
US.....	15,304	15,592	2,204	2,163	23,154	20,895

<sup>1</sup> Preliminary.  
National Agricultural Statistics Service.

Table 389.—Cattle and buffalo: Number in specified countries, 1986-88 <sup>1</sup>

Continent and country	1986	1987	1988 <sup>2</sup>	Continent and country	1986	1987	1988 <sup>2</sup>
	<i>Thou-</i>	<i>Thou-</i>	<i>Thou-</i>		<i>sands</i>	<i>sands</i>	<i>sands</i>
North America:				Other Western			
Canada.....	10,591	10,400	10,315	Europe—Con.			
Brazil.....	32,167	33,603	35,578	Sweden.....	1,715	1,665	1,642
Mexico.....	105,468	102,000	98,994	Switzerland.....	1,902	1,858	1,840
United States.....				Total other Western			
Total.....	148,226	145,900	144,887	Europe.....	7,839	7,645	7,534
South America:				Bulgaria.....	1,735	1,700	1,700
Argentina.....	57,485	55,684	54,984	Czechoslovakia.....	5,065	5,073	5,075
Brazil.....	95,210	97,030	98,335	German Dem. Rep.....	5,827	5,804	5,800
Colombia.....	20,514	19,267	18,176	Hungary.....	1,766	1,725	1,710
Uruguay.....	9,961	10,323	10,962	Poland.....	10,774	10,522	10,500
Venezuela.....	12,083	12,331	12,654	Romania.....	7,077	7,250	7,325
Total.....	195,253	194,635	195,111	Yugoslavia.....	5,034	5,030	4,877
Central America and				Total Eastern			
Caribbean:				Europe.....	37,278	37,104	36,987
Costa Rica.....	2,510	2,360	2,217	Total Europe.....	128,699	126,577	124,036
El Salvador.....	980	1,024	1,113	Soviet Union.....	120,800	122,100	121,500
Guatemala.....	2,570	2,560	2,500	Africa:			
Honduras.....	2,803	2,859	2,917	Egypt.....	5,339	4,900	4,462
Panama.....	1,453	1,479	1,502	South Africa.....	11,750	12,002	12,250
Dominican Rep.....	2,018	2,055	2,058	Total.....	17,089	16,902	16,712
Total.....	12,334	12,337	12,307	Asia and Mid East:			
Europe:				China.....	86,820	91,660	96,715
Belgium-Luxembourg.....	3,164	3,146	3,111	India.....	275,340	273,560	275,060
Denmark.....	2,623	2,490	2,370	Israel.....	197	191	186
France.....	22,803	22,158	21,242	Japan.....	4,742	4,694	4,730
Germany, Fed. Rep.				Korea, Rep. of.....	2,943	2,807	2,560
of.....	15,627	15,305	14,815	Philippines.....	4,799	4,551	4,600
Ireland.....	5,779	5,626	5,526	Saudi Arabia.....	200	200	200
Italy.....	9,010	8,921	8,760	Taiwan.....	143	153	160
Netherlands.....	5,076	4,922	4,700	Turkey.....	15,000	14,450	13,900
United Kingdom.....	12,695	12,476	12,206	Total.....	390,184	392,266	398,111
Greece.....	740	743	751	Oceania:			
Portugal.....	1,099	1,087	1,094	Australia.....	23,436	23,596	23,674
Spain.....	4,966	4,954	4,940	New Zealand.....	7,921	8,279	8,100
Total EC.....	83,582	81,828	79,515	Total.....	31,157	31,875	31,774
Austria.....	2,655	2,637	2,611	Total selected			
Finland.....	1,567	1,485	1,441	countries.....	1,043,742	1,042,595	1,044,438

<sup>1</sup> Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible.

<sup>2</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

## FOOTNOTES FOR TABLE 393

<sup>1</sup> Calves born during the year.

<sup>2</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.

<sup>3</sup> Includes cattle shipped in from other States and from central markets, but excludes cattle for immediate slaughter.

<sup>4</sup> Preliminary.

<sup>5</sup> Adjustments made for changes in inventory and for inshipments.

<sup>6</sup> Receipts from marketings and sale of farm slaughter.

<sup>7</sup> "Cash receipts from sales of cattle, calves, beef, and veal" plus "Value of cattle and calves slaughtered for home consumption."

National Agricultural Statistics Service.



Table 390.—Calf crop: Cows and heifers that have calved and calves born, by States, 1986 and 1987

State	Cows and heifers that have calved				Calves born	
	Jan. 1		July 1 <sup>2</sup>		1986	1987 <sup>1</sup>
	1986	1987 <sup>1</sup>	1986	1987 <sup>1</sup>		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	910	960			860	800
AK.....	4.6	4.9			4.0	3.9
AZ.....	381	335			310	295
AR.....	930	1,000			860	910
CA.....	1,980	1,940			1,710	1,700
CO.....	855	830			785	790
CT.....	53	46			46	40
DE.....	12	13			13	11
FL.....	1,320	1,370			1,100	1,040
GA.....	870	860			780	730
HI.....	92	80			64	71
ID.....	700	680			660	640
IL.....	870	780			670	610
IN.....	605	580			530	515
IA.....	1,550	1,490			1,470	1,490
KS.....	1,570	1,570			1,505	1,490
KY.....	1,210	1,220			1,160	1,150
LA.....	716	709			565	570
ME.....	64	59			58	51
MD.....	195	173			160	155
MA.....	56	48			47	46
MI.....	550	520			500	460
MN.....	1,336	1,260			1,270	1,180
MS.....	772	765			660	680
MO.....	2,190	2,180			2,100	1,970
MT.....	1,400	1,327			1,375	1,280
NE.....	1,850	1,780			1,700	1,650
NV.....	320	285			260	235
NH.....	34	33			31	25
NJ.....	52	48			41	36
NM.....	610	590			525	490
NY.....	1,055	1,000			910	880
NC.....	520	475			450	400
ND.....	1,060	1,000			1,000	960
OH.....	775	760			700	710
OK.....	1,950	2,050			1,980	1,830
OR.....	700	660			610	599
PA.....	937	942			880	860
RI.....	4.0	3.7			3.5	3.3
SC.....	319	326			270	275
SD.....	1,630	1,640			1,640	1,600
TN.....	1,250	1,230			1,140	1,100
TX.....	5,500	5,600			4,950	5,050
UT.....	380	394			340	350
VT.....	196	190			183	160
VA.....	815	870			835	810
WA.....	630	600			540	525
WV.....	275	310			250	240
WI.....	2,076	2,015			2,000	1,940
WY.....	680	660			640	620
US.....	44,810	42,282	45,000	44,400	41,141	40,026

<sup>1</sup> Preliminary.<sup>2</sup> Individual State estimates not available after July 1, 1981.

National Agricultural Statistics Service.

Table 391.—Cattle and calves: Number on feed, by States, by quarters, 1987 and 1988 <sup>1</sup>

State	1987				1988	
	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AZ .....	343	297	243	300	351	291
CA .....	395	315	415	475	435	355
CO .....	920	765	760	830	940	815
ID .....	159	167	167	185	195	182
IL .....	440	430	350	310	380	370
IA .....	680	675	555	530	650	680
KS .....	1,395	1,350	1,390	1,450	1,440	1,490
MN .....	305	320	290	225	310	320
NE .....	1,860	1,860	1,600	1,780	2,000	2,000
OK .....	255	250	265	300	320	305
SD .....	305	280	250	240	300	290
TX .....	2,050	1,970	2,230	2,170	2,250	2,085
WA .....	138	138	151	197	198	172
13 States .....	9,245	8,807	8,666	8,992	9,769	9,365
AL .....	51				30	
AR .....	10				12	
FL .....	20				20	
GA .....	18				12	
HI .....	16				18	
IN .....	225				210	
KY .....	25				25	
LA .....	9				9	
MD .....	12				14	
MI .....	200				200	
MS .....	8				14	
MO .....	90				110	
MT .....	70				80	
NV .....	24				28	
NJ .....	3				8	
NM .....	157				154	
NY .....	17				22	
NC .....	23				25	
ND .....	38				45	
OH .....	200				200	
OR .....	90				95	
PA .....	80				75	
SC .....	20				20	
TN .....	25				30	
UT .....	36				45	
VA .....	50				40	
WV .....	9				5	
WI .....	120				110	
WY .....	70				100	
Other States .....	2				7	
US .....	10,963				11,527	

<sup>1</sup> Cattle and calves on feed are animals for slaughter market being fed a full ration of grain or other concentrates and are expected to produce a carcass that will grade Select or better. Data not available for all States in quarters where no figures are shown.

National Agricultural Statistics Service.

Table 392.—Cattle and calves: Number on feed, United States, Jan. 1, 1973-88 <sup>1</sup>

Year	Number	Year	Number	Year	Number	Year	Number
	<i>Thousands</i>		<i>Thousands</i>		<i>Thousands</i>		<i>Thousands</i>
1973 .....	14,432	1977 .....	12,580	1981 .....	11,598	1985 .....	12,458
1974 .....	13,643	1978 .....	13,472	1982 .....	10,618	1986 .....	11,497
1975 .....	10,170	1979 .....	13,274	1983 .....	12,051	1987 .....	10,963
1976 .....	12,941	1980 .....	12,221	1984 .....	11,594	1988 <sup>2</sup> .....	11,527

<sup>1</sup> Cattle and calves on feed are animals for slaughter market being fed a full ration of grain or other concentrates and are expected to produce a carcass that will grade Select or better.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 393.—Cattle and calves: Production, disposition, cash receipts, and gross income, United States, 1973-87**

Year	Calf crop <sup>1</sup>	Death loss		Marketings <sup>2</sup>		Cattle shipped in for feeding and breeding <sup>3</sup>	Farm slaughter Cattle and calves
		Cattle	Calves	Cattle	Calves		
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
1973.....	49,194	2,099	4,388	48,369	11,652	24,133	570
1974.....	50,873	2,066	4,104	48,383	9,514	18,103	729
1975.....	50,183	2,396	4,596	54,315	12,239	20,065	750
1976.....	47,384	1,821	3,369	55,894	12,485	21,238	722
1977.....	45,931	2,000	4,000	56,378	12,621	23,333	700
1978.....	43,818	1,940	3,860	54,737	11,938	23,695	550
1979.....	42,596	1,900	3,700	48,358	10,151	22,322	430
1980.....	44,938	1,795	3,618	46,026	10,502	20,513	401
1981.....	44,666	1,700	3,359	46,647	10,383	18,914	398
1982.....	44,200	1,843	3,586	49,549	10,560	21,289	395
1983.....	43,925	1,877	3,617	48,089	10,443	19,210	410
1984.....	42,500	1,873	3,591	50,862	10,253	20,515	388
1985.....	41,045	1,701	3,345	49,243	10,530	19,864	370
1986.....	41,141	1,718	3,280	49,995	10,477	21,211	351
1987 <sup>4</sup> .....	40,026	1,700	3,100	49,900	10,564	22,561	330

Year	Quantity produced (live weight) <sup>5</sup>	Value of production	Cash receipts from sales of cattle, calves, beef and veal <sup>6</sup>	Value of cattle and calves slaughtered for home consumption	Gross income <sup>7</sup>	Average price per 100 pounds received by farmers	
						Cattle	Calves
	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1973.....	44,231,455	18,138,977	22,336,212	477,818	22,814,030	42.80	56.60
1974.....	42,760,575	14,905,532	17,843,774	505,841	18,349,615	35.60	35.20
1975.....	40,900,606	12,804,719	17,520,176	458,250	17,978,426	32.20	27.20
1976.....	41,398,356	13,826,938	19,233,697	501,630	19,795,227	33.70	34.10
1977.....	40,744,829	13,977,695	20,225,347	482,340	20,707,687	34.40	36.90
1978.....	39,971,171	19,553,169	28,248,127	565,081	28,813,208	48.50	59.10
1979.....	38,803,385	26,246,763	35,024,950	693,892	35,718,842	66.10	88.70
1980.....	40,283,777	25,468,867	31,827,906	623,698	32,451,604	62.40	74.90
1981.....	41,178,209	23,682,144	29,537,848	600,865	30,138,733	58.60	64.00
1982.....	40,714,722	22,623,349	29,313,318	576,645	30,369,963	56.70	59.80
1983.....	40,301,302	22,013,607	28,685,486	554,663	29,240,149	55.50	57.30
1984.....	40,030,471	22,145,753	30,664,444	554,291	31,218,735	57.30	59.90
1985.....	40,157,633	21,196,786	29,050,653	485,093	29,535,776	53.70	62.10
1986.....	40,474,970	20,935,311	28,922,520	453,337	29,375,957	52.60	61.10
1987 <sup>4</sup> .....	40,282,378	24,629,290	33,829,098	487,096	34,316,194	61.10	78.50

See footnotes on page 262.

**Table 394.—Cattle: Average price per 100 pounds, by grades, at Omaha, 1973-87**

Year	Steers <sup>1</sup>			Heifers <sup>1</sup>			Cows <sup>2</sup>	
	Prime	Choice	Good	Prime	Choice	Good	Commercial	Utility
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1973.....	45.61	44.54	42.01	44.25	43.11	40.43	32.90	32.82
1974.....	43.13	41.89	38.71	42.11	40.97	38.00	25.45	25.56
1975.....		44.61	39.45		43.12	37.60	21.63	21.09
1976.....		39.11	35.37		37.98	34.10	26.08	25.31
1977.....		40.38	36.70		38.96	35.20	26.11	25.32
1978.....		52.34	47.98		50.30	46.11	37.80	36.78
1979.....		67.67	63.05		65.91	61.47	50.06	50.10
1980.....		67.05	62.16		64.90	61.22	44.91	45.72
1981.....		63.84	59.83		62.05	59.46	41.59	41.93
1982.....		64.22	59.47		62.79	59.82	40.35	39.96
1983.....		62.52	56.99		61.42	58.53	39.40	39.35
1984.....		65.34	59.14		64.59	61.18	40.75	39.81
1985.....		58.37	53.28		58.24	55.52	37.91	38.32
1986.....		57.74	52.04		57.56	54.76	36.96	37.22
1987.....		64.60	58.53		64.34	61.48	44.84	44.83

See footnotes on page 267.

Table 395.—Cattle and calves: Receipts at selected public stockyards, 1973-87<sup>1</sup>

Year	Denver	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting <sup>2,3</sup>
	Cattle									
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
1973	(*)	130	396	1,086	308	337	855	814	8,792	12,718
1974		130	434	1,230	355	347	980	943	8,580	12,999
1975		190	522	1,227	418	399	1,178	1,029	10,304	15,267
1976		123	384	1,089	424	323	1,112	946	9,538	13,939
1977		139	352	1,092	390	296	846	765	9,687	13,567
1978		108	313	829	358	252	754	707	8,271	11,592
1979		63	296	721	268	200	645	693	7,306	10,192
1980		50	207	746	258	196	603	566	7,103	9,729
1981		42	245	742	241	183	573	554	6,537	9,117
1982		(*)	245	612	241	185	549	425	6,707	8,964
1983			230	570	215	193	506	442	6,314	8,470
1984			223	474	198	179	461	373	6,532	8,440
1985			162	395	160	140	420	360	5,648	7,285
1986			164	320	153	140	391	230	5,430	6,829
1987			129	290	133	121	347	167	5,013	6,200
	Calves									
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
1973	(*)	84	48	14	10	22	107		539	824
1974		82	39	32	16	21	105		342	637
1975		90	53	27	19	11	136		414	750
1976		81	32	24	13	8	156		419	733
1977		73	27	(*)	11	5	113		402	631
1978		54	45		9	5	85		126	324
1979		31	(*)		5	5	70		82	193
1980		44			7	5	59		67	182
1981		42			4	5	57		46	154
1982		(*)			3	10	53		67	133
1983					1	13	47		61	122
1984					1	10	42		80	133
1985					1	13	33		53	100
1986					1	13	27		31	72
1987						13	18		31	62

<sup>1</sup> Total rail and truck receipts unloaded at public stockyards. Saleable receipts 1978 on. <sup>2</sup> Rounded totals of the complete figures. <sup>3</sup> The number of stockyards varies from 23 to 46. <sup>4</sup> Data no longer reported. <sup>5</sup> Cattle and calves combined in 1977. <sup>6</sup> Cattle and calves combined in 1979.

Agricultural Marketing Service. Compiled from reports received from stockyard companies.

Table 396.—Cattle and calves: Number slaughtered, United States, 1973-87

Year	Cattle slaughter					Calf slaughter				
	Commercial			Farm	Total	Commercial			Farm	Total
	Federally inspected	Other	Total <sup>1</sup>			Federally inspected	Other	Total <sup>1</sup>		
Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
1973	30,521	3,166	33,687	340	34,026	1,808	441	2,249	127	2,376
1974	33,319	3,493	36,812	515	37,327	2,355	632	2,987	185	3,172
1975	36,904	4,008	40,911	553	41,464	3,894	1,316	5,209	197	5,406
1976	38,992	3,663	42,654	542	43,196	4,438	912	5,350	178	5,528
1977	38,717	3,139	41,856	525	42,381	4,696	821	5,517	175	5,692
1978	36,948	2,605	39,552	418	39,970	3,620	550	4,170	132	4,302
1979	31,504	2,174	33,678	330	34,008	2,499	325	2,824	100	2,924
1980	31,642	2,164	33,807	309	34,116	2,294	294	2,588	91	2,679
1981	32,819	2,135	34,953	312	35,265	2,478	320	2,798	86	2,884
1982	33,907	1,937	35,843	312	36,155	2,729	292	3,021	82	3,103
1983	34,816	1,833	36,649	325	36,974	2,798	279	3,077	80	3,157
1984	35,880	1,702	37,582	310	37,892	3,030	267	3,297	80	3,377
1985	34,765	1,528	36,293	300	36,593	3,168	217	3,385	70	3,455
1986	35,913	1,375	37,288	280	37,568	3,195	213	3,408	70	3,478
1987	34,468	1,179	35,647	243	35,890	2,680	135	2,815	87	2,902

See footnotes on page 267.

**Table 397.—Cattle and calves: Number slaughtered under Federal inspection, average live weight, and average cost to slaughters (live weight), 1973-87**

Year	Cattle		Calves	
	Number slaughtered	Average live weight	Number slaughtered	Average live weight
	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>
1973	80,521	1,054	1,808	207
1974	33,319	1,052	2,355	211
1975	36,904	1,009	3,894	227
1976	38,992	1,030	4,438	223
1977	38,717	1,033	4,696	207
1978	36,948	1,043	3,620	206
1979	31,504	1,068	2,499	210
1980	31,642	1,080	2,294	214
1981	32,819	1,083	2,478	218
1982	33,907	1,071	2,729	208
1983	34,816	1,077	2,798	213
1984	35,880	1,072	3,030	225
1985	34,765	1,103	3,168	234
1986	35,913	1,105	3,195	239
1987	34,468	1,109	2,680	239

National Agricultural Statistics Service.

**Table 398.—Cattle: Number slaughtered under Federal inspection, and percentage distribution, by classes, 1973-87**

Year	Number					Percentage of total				
	Steers	Cows and heifers			Bulls and stags	Steers	Cows and heifers			Bulls and stags
		Cows	Heifers	Total			Cows	Heifers	Total	
<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	
1973	16,604	5,659	7,645	13,304	613	54.4	18.5	25.1	43.6	2.0
1974	17,824	6,794	7,960	14,754	741	53.5	20.4	23.9	44.3	2.2
1975	16,071	10,420	9,419	19,839	994	43.6	28.2	25.5	53.7	2.7
1976	17,266	9,703	11,116	20,819	907	44.2	24.9	28.6	53.5	2.3
1977	17,892	9,128	10,866	19,994	832	46.2	23.6	28.1	51.7	2.1
1978	17,308	7,913	10,981	18,894	746	46.9	21.4	29.7	51.1	2.0
1979	16,258	5,546	9,112	14,658	586	51.6	17.6	28.9	46.5	1.9
1980	16,059	5,925	8,980	14,905	679	50.7	18.7	28.4	47.1	2.2
1981	16,437	6,238	9,416	15,654	728	50.1	19.0	28.7	47.7	2.2
1982	16,344	6,955	9,833	16,788	774	48.2	20.5	29.0	49.5	2.3
1983	16,613	7,215	10,221	17,436	768	47.7	20.7	29.4	50.1	2.2
1984	16,688	8,229	10,211	18,440	752	46.5	22.9	28.5	51.4	2.1
1985	16,201	7,076	10,763	17,839	725	46.5	20.4	31.0	51.4	2.1
1986	16,871	7,665	10,688	18,353	689	47.0	21.3	29.8	51.1	1.9
1987	16,867	6,388	10,545	16,933	668	49.0	18.5	30.6	49.1	1.9

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 394

<sup>1</sup> 900 to 1,100 pound weight range; simple average of price range.

<sup>2</sup> All weights; simple average of price range.

Agricultural Marketing Service.

FOOTNOTES FOR TABLE 396

<sup>1</sup> Totals are based on unrounded numbers.

National Agricultural Statistics Service.

Table 399.—Cattle and calves: Production, disposition, cash receipts, and gross income, by States, 1987 (preliminary)

State	Marketings <sup>1</sup>		Cattle shipped in for feeding and breeding	Farm slaughter of cattle and calves <sup>2</sup>	Quantity produced (live weight) <sup>3</sup>	Value of production	Cash receipts from sales of cattle, calves, beef, and veal <sup>4</sup>	Value of cattle and calves slaughtered for home consumption	Gross income <sup>5</sup>
	Cattle	Calves							
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	750	247	79	2	674,770	371,810	487,854	12,265	500,119
AK.....	1	0	1	1.8	2,755	1,835	765	922	1,687
AZ.....	743	71	540	5	580,735	355,762	483,269	4,875	488,144
AR.....	578	217	1	9	658,160	383,962	355,896	7,988	366,884
CA.....	2,438	335	1,200	25	1,903,300	1,082,497	1,552,109	18,819	1,570,928
CO.....	2,697	125	2,260	3	1,697,990	1,120,285	1,977,744	7,735	1,985,479
CT.....	25	20	6	1	21,250	10,989	15,184	1,230	16,414
DE.....	6	4	0	1	8,145	4,514	3,711	1,517	5,228
FL.....	317	889	73	2	424,870	296,959	387,883	2,553	390,436
GA.....	438	405	61	3	394,180	228,690	291,787	3,479	295,266
HI.....	61	1	0	0	65,680	28,649	27,401	392	27,793
ID.....	782	114	369	5	751,940	452,569	568,901	8,003	576,904
IL.....	1,112	197	580	6	802,390	508,263	798,392	17,827	816,219
IN.....	559	245	260	6	417,815	239,978	353,519	17,964	371,483
IA.....	2,872	70	1,600	8	2,242,150	1,379,344	1,951,754	14,562	1,966,316
KS.....	4,723	5	3,376	3	3,045,775	1,967,209	3,420,181	10,228	3,430,409
KY.....	739	400	135	6	729,440	432,695	467,841	12,029	479,870
LA.....	223	314	2	4	310,070	188,031	191,957	5,735	197,692
ME.....	37	19	6	2	31,580	16,100	19,064	2,450	21,514
MD.....	84	68	8	3	105,945	60,472	62,489	4,548	67,037
MA.....	25	30	1	1	15,620	8,044	13,130	1,440	14,570
MI.....	435	87	60	5	462,130	247,245	297,368	10,893	308,261
MN.....	1,639	160	510	11	1,420,695	829,144	1,149,288	19,197	1,168,485
MS.....	310	332	20	4	373,720	212,625	214,811	8,267	223,078
MO.....	1,388	760	35	12	1,299,910	833,386	959,105	24,322	983,427
MT.....	1,112	270	152	6	888,860	560,320	631,847	8,856	640,703
NE.....	5,238	65	3,800	2	3,440,590	2,212,496	3,829,081	10,789	3,839,870
NV.....	164	104	10	5	179,360	102,743	125,088	2,836	127,924
NH.....	19	10	1	1	17,340	9,066	11,946	1,045	12,991
NJ.....	16.5	29.5	4	1	19,375	11,744	16,752	766	17,518
NM.....	1,111	200	840	3	602,130	362,553	635,939	4,996	640,935
NY.....	255	656	14	8	242,240	131,026	190,585	7,331	197,916
NC.....	295	178	4	4	284,100	159,638	190,708	11,873	202,581
ND.....	647	400	65	5	748,790	496,883	545,729	7,773	553,504
OH.....	555	140	120	5	591,640	353,342	371,684	19,476	391,160
OK.....	2,865	170	1,300	15	2,112,150	1,222,208	1,607,166	26,441	1,633,607
OR.....	443	176	90	30	488,415	288,987	320,702	19,944	340,646

PA.....	527	365	120	15	572,265	333,226	380,053	18,837	398,890
RI.....	1.2	1.7	.3	.2	1,463	769	587	344	931
SC.....	199	50	15	3	228,950	116,887	116,069	5,260	121,329
SD.....	1,517	385	381	4	1,762,660	1,117,111	1,251,182	9,888	1,261,070
TN.....	995	433	359	6	743,755	408,384	557,032	8,865	565,897
TX.....	7,480	300	3,350	20	5,444,910	3,394,131	4,587,072	29,471	4,616,543
UT.....	263	107	70	3	290,525	185,814	214,954	5,729	220,683
VT.....	87	83	14	3	76,170	39,331	54,148	3,216	57,364
VA.....	727	150	13	7	681,740	386,717	451,721	10,625	462,346
WA.....	545	100	213	33	532,580	325,594	388,458	24,700	413,158
WV.....	38	228	4	8	71,250	47,205	61,882	6,289	68,171
WI.....	1,023	680	50	12	1,354,895	787,517	770,046	19,160	789,206
WY.....	795	168	390	2	465,210	314,511	464,264	3,344	467,608
US.....	49,900	10,564	22,561	330	40,282,378	24,629,290	33,829,098	487,096	34,316,194

<sup>1</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.  
<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.  
<sup>3</sup> Adjustments made for changes in inventory and for inshipments.  
<sup>4</sup> Includes receipts from marketings and sales of farm-slaughtered meat.  
<sup>5</sup> Includes cash receipts from sales of cattle, calves, beef, and veal plus value of cattle and calves slaughtered for home consumption.

National Agricultural Statistics Service.

**Table 400.—Cattle and calves: Number slaughtered commercially, total and average live weight, by States, 1988<sup>1</sup>**

State	Cattle			Calves		
	Number slaughtered	Total live weight	Average live weight	Number slaughtered	Total live weight	Average live weight
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>
AL.....	315.5	389,185	1,075	0.4	152	380
AZ.....	406.8	421,154	1,035	11.3	1,077	95
AR.....	56.1	52,430	934	.8	319	392
CA.....	1,327.8	1,499,982	1,130	271.7	48,217	177
CO.....	2,118.5	2,326,018	1,098	.2	38	246
DE and MD.....	52.1	60,717	1,166	25.5	9,287	365
FL.....	199.1	202,537	1,017	124.7	32,286	259
GA.....	245.1	224,032	914	7.6	2,735	360
HI.....	60.0	61,907	1,033	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
ID.....	690.9	808,405	1,170	1.6	322	205
IL.....	1,397.1	1,538,909	1,102	161.1	37,356	232
IN.....	175.2	186,869	1,066	237.6	89,956	379
IA.....	2,132.8	2,436,757	1,143	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
KS.....	6,265.0	6,905,212	1,102	.2	58	297
KY.....	122.7	112,395	916	.5	147	271
LA.....	36.2	31,107	859	117.8	52,270	444
MI.....	391.3	491,635	1,256	81.4	26,532	326
MN.....	999.6	1,188,176	1,189	3.0	708	235
MS.....	208.5	195,734	939	11.4	4,383	384
MO.....	390.4	411,535	1,054	6.0	1,599	267
MT.....	22.2	23,885	1,077	.2	45	230
NE.....	5,575.9	6,296,315	1,129	.1	36	349
NV.....	2.4	2,363	976	.1	35	405
N ENG <sup>a</sup> .....	87.6	93,247	1,065	138.9	19,766	142
NJ.....	100.6	126,354	1,256	100.5	35,654	355
NM.....	134.2	133,903	998	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
NY.....	189.3	222,144	1,173	470.5	66,993	142
NC.....	144.9	137,614	950	2.5	720	285
ND.....	81.6	90,296	1,107	.3	107	395
OH.....	492.3	551,290	1,120	109.2	31,003	284
OK.....	287.1	300,538	1,047	3.1	1,308	420
OR.....	55.1	61,637	1,119	11.3	2,959	261
PA.....	1,022.4	1,203,554	1,117	275.9	47,227	171
SC.....	114.3	122,601	1,073	19.3	8,985	465
SD.....	569.9	676,519	1,187	.1	39	265
TN.....	243.4	242,456	996	26.6	6,473	243
TX.....	6,220.2	6,451,680	1,037	145.9	62,799	430
UT.....	427.4	501,800	1,174	.2	76	308
VA.....	90.0	92,528	1,028	3.3	954	291
WA.....	849.8	979,978	1,153	75.6	11,119	147
WV.....	23.0	21,966	955	.3	98	293
WI.....	1,314.9	1,551,358	1,180	368.0	95,790	260
WY.....	7.7	8,087	1,105	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
US <sup>b</sup> .....	35,646.9	39,386,808	1,105	2,814.7	699,644	249

<sup>1</sup> Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms. Average live weight is based on unrounded numbers. Totals may not add due to rounding.

<sup>2</sup> Data not shown to avoid disclosing individual operations, but are included in U.S. totals.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.



**Table 401.—Beef, dressed (carlots): Average wholesale price per 100 pounds, by grade and weight, 1973-87 <sup>1</sup>**

Year	Steer beef		Heifer beef		Cow beef, all weights	
	Choice 700-800 lb.	Good 600-700 lb.	Choice 550-600 lb.	Good 550-600 lb.	Utility Breaking	Canner and Cutter
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1973.....	67.41	64.58	66.44	63.17	58.98	65.78
1974.....	67.09	62.56	66.51	61.98	46.73	53.48
1975.....	73.64	67.88	71.62	65.87	43.20	43.09
1976.....	60.96	58.24	59.75	56.81	49.36	52.00
1977 <sup>2</sup> .....	62.66	58.21	60.94	56.20	45.51	51.55
1978.....	80.80	76.06	78.58	73.00	65.37	74.61
1979.....	101.72	97.32	100.00	95.49	85.64	100.48
1980.....	104.39	100.66	101.86	97.96	79.86	92.45
1981.....	99.85	96.85	97.48	94.55	75.47	84.06
1982.....	101.68	97.82	98.54	94.31	72.64	78.96
1983.....	97.87	93.50	94.45	91.03	70.48	78.48
1984.....	100.17	95.79	96.62	93.42	68.03	74.70
1985.....	90.68	87.50	88.48	84.67	64.86	74.13
1986.....	89.00	84.34	87.72	82.02	61.83	71.31
1987.....	97.24	91.78	96.21	90.65	70.21	83.70

<sup>1</sup> Chicago prices through 1975, with 1975 reflecting only a Jan.-Sept. average. Midwest prices start with 1976.  
<sup>2</sup> Midwest prices; Chicago now included in Midwest Report.

Agricultural Marketing Service.

**Table 402.—Hogs and pigs: Number and value, United States, Dec. 1, 1973-87**

Year	Number	Value		Year	Number	Value	
		per head	Total			per head	Total
		<i>Thousands</i>	<i>Dollars</i>			<i>1,000 dollars</i>	<i>Thousands</i>
1973.....	60,614	60.40	3,663,168	1981.....	58,698	70.10	4,114,350
1974.....	54,693	44.90	2,457,052	1982.....	54,534	89.90	4,903,494
1975.....	49,267	80.40	3,959,360	1983.....	56,694	58.80	3,330,803
1976.....	54,934	47.00	2,582,568	1984.....	54,073	75.00	4,055,724
1977.....	56,539	63.20	3,575,279	1985.....	52,313	69.60	3,640,368
1978.....	60,356	83.20	5,023,454	1986.....	50,920	91.90	4,679,398
1979.....	67,318	56.00	3,772,812	1987 <sup>1</sup> .....	53,795	76.20	4,096,647
1980.....	64,462	74.70	4,815,218				

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 403.—Hogs and pigs: Number and value, by States, Dec. 1, 1985-87

State	Number			Value					
	1985	1986	1987 <sup>1</sup>	Value per head			Total value		
				1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Thousands	Thousands	Thousands	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	345	360	345	56.00	93.50	70.00	19,320	33,660	24,150
AK.....	2.3	1.0	.5	124.50	127.00	161.50	286	127	81
AZ.....	175	155	130	79.50	112.00	93.50	13,913	17,360	12,155
AR.....	436	460	465	74.50	80.50	66.50	32,482	37,036	30,923
CA.....	145	150	130	91.50	102.50	92.00	13,268	15,375	11,960
CO.....	225	190	205	79.00	92.00	85.00	17,775	17,480	17,425
CN.....	7.0	7.0	6.5	76.00	74.50	83.00	532	522	540
DE.....	50	60	58	68.00	95.00	80.00	3,400	5,700	4,640
FL.....	158	140	150	68.00	85.50	73.00	10,744	11,970	10,950
GA.....	1,150	1,100	1,175	63.00	84.00	64.00	72,450	92,400	75,200
HI.....	55	50	47	122.50	125.00	127.50	6,738	6,250	5,993
ID.....	125	80	80	82.00	90.50	81.00	10,250	7,240	6,480
IL.....	5,400	5,000	5,300	68.00	95.50	79.00	367,200	477,500	418,700
IN.....	4,150	4,150	4,600	76.00	95.50	72.50	315,400	396,325	333,500
IA.....	13,500	12,600	13,800	70.00	92.50	78.50	945,000	1,165,500	1,083,800
KS.....	1,520	1,450	1,420	65.50	85.50	70.50	99,560	121,410	102,225
KY.....	800	880	900	68.00	86.50	80.00	54,400	76,120	60,300
LA.....	60	53	46	72.00	90.00	82.50	4,320	4,700	3,795
ME.....	7.9	8	8.3	87.50	100.00	89.50	691	800	743
MD.....	205	190	220	67.50	84.00	76.00	13,838	17,860	16,720
MA.....	34	32	33	89.00	90.00	86.00	3,026	2,820	2,838
MI.....	1,190	1,250	1,350	69.00	93.00	80.50	82,110	116,250	108,675
MN.....	4,100	4,250	4,350	68.00	93.00	74.00	278,800	396,180	321,900
MS.....	230	210	263	67.50	90.00	67.50	15,525	18,900	17,753
MO.....	3,050	2,850	2,950	65.00	85.50	71.00	198,250	252,225	209,450
MT.....	135	190	230	69.50	82.50	72.50	9,383	15,675	16,675
NE.....	3,900	3,950	4,000	74.00	95.00	78.00	288,600	375,250	312,000
NV.....	15	14	16	96.50	88.00	91.00	1,298	1,232	1,456
NH.....	8.6	8.8	9.0	86.00	88.00	89.50	740	774	806
NJ.....	45	40	45	92.00	89.00	80.00	4,140	3,560	3,600
NM.....	38	36	31	75.50	89.50	95.50	2,869	3,222	2,961
NY.....	130	128	124	96.00	100.00	87.50	11,180	12,800	10,850
NC.....	2,350	2,360	2,500	64.50	84.00	80.00	151,575	198,240	200,000
ND.....	285	275	320	68.50	88.50	77.50	19,523	24,338	24,800
OH.....	1,980	2,000	2,150	69.50	95.50	78.00	137,610	191,000	167,700
OK.....	200	220	200	66.50	80.00	77.50	13,300	17,600	15,500
OR.....	125	115	100	78.50	90.00	87.50	9,813	10,695	8,750
PA.....	780	890	860	77.00	99.00	75.50	60,060	88,110	64,930
RI.....	5.0	4.8	4.6	76.50	78.00	77.00	383	374	354
SC.....	400	420	400	60.00	81.00	71.50	24,000	34,020	28,600
SD.....	1,610	1,520	1,520	66.00	89.00	74.00	106,260	135,280	112,480
TN.....	950	770	800	69.00	91.00	80.00	65,550	70,070	64,000
TX.....	435	510	580	70.50	86.50	74.00	30,668	44,115	42,920
UT.....	23	25	26	79.00	83.00	84.00	1,817	2,075	2,184
VT.....	6.4	5.8	5.9	78.00	95.00	104.50	499	551	617
VA.....	400	360	420	73.00	86.00	72.00	29,200	30,960	30,240
WA.....	51	50	55	77.00	111.00	84.00	3,927	5,550	4,620
WV.....	37	37	36	73.00	89.00	88.00	2,701	3,293	3,168
WI.....	1,250	1,330	1,280	67.00	89.00	74.50	83,750	115,700	95,360
WY.....	34	35	20	66.00	88.00	84.00	2,244	3,080	1,680
US.....	52,313	50,920	53,795	69.60	91.90	76.20	3,640,368	4,679,398	4,096,647

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 404.—Sows farrowing and pig crop: Number, United States, 1973-87

Year	Sows farrowing		Pig crop			Year	Sows farrowing		Pig crop		
	Dec.-May	June-Nov.	Dec.-May	June-Nov.	Total		Dec.-May	June-Nov.	Dec.-May	June-Nov.	Total
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>		<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1973 .....	6,438	5,869	46,125	41,998	88,123	1981 .....	6,440	6,268	47,605	46,248	93,853
1974 .....	6,315	5,476	44,792	38,952	83,744	1982 .....	5,664	5,884	41,575	43,614	85,189
1975 .....	4,973	4,952	35,530	35,656	71,186	1983 .....	6,301	6,176	47,409	45,746	93,155
1976 .....	5,777	5,850	42,177	42,218	84,395	1984 .....	5,694	5,857	42,403	44,183	86,586
1977 .....	6,050	6,009	42,960	43,202	86,162	1985 .....	5,571	5,668	42,545	43,484	86,029
1978 .....	6,034	6,398	42,481	46,031	88,512	1986 .....	5,246	5,423	40,392	41,997	82,389
1979 .....	7,176	7,322	50,551	52,241	102,792	1987 <sup>1</sup> .....	5,538	5,774	43,135	44,668	87,803
1980 .....	7,229	6,855	52,288	49,432	101,720						

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 405.—Hogs and pigs: Number for breeding and market, United States, 1973-87

Year	All hogs and pigs	Kept for breeding	Market hogs by weight groups					220 pounds and over	Total
			Under 60 pounds	60 to 119 pounds	120 to 179 pounds	180 to 219 pounds			
June 1									
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	
1973 .....	59,571	8,988	24,332	12,044	8,136	4,782	1,289	50,583	
1974 .....	58,878	8,823	23,654	12,059	7,737	4,920	1,685	60,055	
1975 .....	47,860	7,358	18,396	9,914	6,851	4,271	1,070	40,502	
1976 .....	53,930	8,388	21,798	11,160	7,205	4,365	1,014	45,542	
1977 .....	54,460	8,688	21,558	10,892	7,679	4,592	1,051	43,772	
1978 <sup>1</sup> .....	55,240	8,857	20,934	11,309	8,013	5,016	1,111	46,383	
1979 .....	65,020	10,368	25,223	13,186	9,197		7,046	54,652	
1980 .....	65,255	9,481	25,002	13,550	9,781		7,441	55,774	
1981 .....	59,740	8,358	23,046	12,231	9,047		7,058	51,382	
1982 .....	52,260	7,414	19,074	10,999	8,267		6,506	44,846	
1983 .....	57,945	8,113	22,029	12,031	8,879		6,893	49,832	
1984 .....	52,815	7,401	19,377	11,387	8,111		6,539	45,414	
1985 .....	52,250	6,997	18,968	11,200	8,245		6,840	45,253	
1986 .....	48,825	6,420	17,645	10,565	7,990		6,205	42,405	
1987 <sup>2</sup> .....	52,080	7,025	19,535	11,050	8,160		6,310	45,055	
Dec. 1									
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	
1973 .....	60,614	8,605	20,142	13,715	10,223	6,103	1,826	52,009	
1974 .....	54,693	7,389	17,732	12,495	9,685	5,740	1,652	47,304	
1975 .....	49,267	7,574	16,255	11,047	8,049	4,837	1,505	41,693	
1976 .....	54,934	8,011	18,714	12,307	8,932	5,292	1,678	46,923	
1977 .....	56,539	8,604	19,424	12,399	9,111	5,495	1,507	47,936	
1978 <sup>1</sup> .....	60,356	9,605	21,244	13,086	9,443		6,979	50,751	
1979 .....	67,318	9,645	22,834	15,429	11,281		8,130	57,674	
1980 .....	64,462	9,118	22,131	13,977	10,996		8,240	55,344	
1981 .....	58,698	7,844	19,490	12,926	10,439		7,999	50,854	
1982 .....	54,534	7,475	18,830	11,942	9,375		6,912	47,059	
1983 .....	56,694	7,391	19,028	12,626	9,985		7,664	49,303	
1984 .....	54,073	6,933	18,071	12,013	9,610		7,446	47,140	
1985 .....	52,313	6,783	17,301	11,700	9,320		7,210	45,530	
1986 .....	50,920	6,671	16,756	11,228	9,106		7,159	44,250	
1987 <sup>2</sup> .....	53,795	7,021	17,230	11,902	9,625		8,017	46,774	

<sup>1</sup> The 180-219 pounds and 220 pounds and over market hog weight groups combined into the 180 pounds and over weight group starting Dec. 1978.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 406.—Hogs: Number in specified countries, 1986-88 <sup>1</sup>

Continent and country	1986	1987	1988 <sup>2</sup>	Continent and country	1986	1987	1988 <sup>2</sup>
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>		<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
<b>North America:</b>				<b>Europe—Con.</b>			
Canada.....	10,664	10,826	11,276	Bulgaria.....	3,912	3,960	3,960
Mexico.....	13,115	12,357	11,438	Czechoslovakia.....	6,651	6,829	7,134
United States <sup>3</sup> .....	52,314	50,920	53,796	German Dem. Rep.....	12,946	12,840	12,800
<b>Total.....</b>	<b>76,093</b>	<b>74,103</b>	<b>76,510</b>	Hungary.....	8,280	8,687	8,216
				Poland.....	19,170	19,619	18,800
<b>South America:</b>				Romania.....	14,319	14,500	14,700
Brazil.....	30,500	31,700	32,700	Yugoslavia.....	7,821	8,459	8,809
Colombia.....	2,389	2,434	2,510	<b>Total Eastern</b>			
Venezuela.....	2,794	3,091	3,351	Europe.....	73,099	74,894	74,419
<b>Total.....</b>	<b>35,683</b>	<b>37,225</b>	<b>38,561</b>	<b>Total Europe.....</b>	<b>183,502</b>	<b>188,316</b>	<b>189,124</b>
				<b>Soviet Union.....</b>	<b>77,772</b>	<b>79,501</b>	<b>77,300</b>
<b>Europe:</b>				<b>Asia:</b>			
Belgium-Luxembourg.....	5,484	5,901	5,836	China.....	331,396	336,933	329,283
Denmark.....	9,104	9,422	9,500	Japan.....	11,061	11,354	11,600
France.....	10,956	12,002	13,572	Korea, Rep. of.....	2,852	3,347	4,200
Germany, Fed. Rep. of.....	24,282	24,503	24,273	Philippines.....	7,275	6,950	7,000
Greece.....	1,190	1,200	1,233	Taiwan.....	6,674	7,057	7,100
Ireland.....	1,008	1,000	995	<b>Total.....</b>	<b>359,258</b>	<b>365,641</b>	<b>359,183</b>
Italy.....	9,138	9,278	9,350				
Netherlands.....	12,908	14,063	14,226	<b>Oceania:</b>			
United Kingdom.....	7,930	7,955	7,915	Australia.....	2,553	2,640	2,748
Portugal.....	3,092	2,920	2,710	<b>Total.....</b>	<b>2,553</b>	<b>2,640</b>	<b>2,748</b>
Spain.....	15,782	15,782	15,661	<b>Total selected</b>			
<b>Total EC.....</b>	<b>100,874</b>	<b>104,006</b>	<b>105,271</b>	countries.....	734,861	747,426	743,426
Austria.....	3,921	3,800	3,884				
Finland.....	1,211	1,309	1,300				
Sweden.....	2,439	2,370	2,300				
Switzerland.....	1,972	1,917	1,950				
<b>Total Western</b>							
Europe.....	110,417	113,422	114,705				

<sup>1</sup> Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible.

<sup>2</sup> Preliminary.

<sup>3</sup> 50 States.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 407.—Sows farrowing and pig crop: Number, by States, 1986 and 1987

State	Sows farrowing				Pig crop					
	1986		1987		1986			1987		
	Dec.-May	June-Nov.	Dec.-May	June-Nov. <sup>1</sup>	Dec.-May	June-Nov.	Total	Dec.-May	June-Nov. <sup>1</sup>	Total <sup>1</sup>
Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
AL.....	34	40	45	38	248	300	548	315	274	589
AK.....	.23	.14	.07	.08	1.8	.80	2.6	.40	.50	.90
AZ.....	16	17	15	15	125	138	263	123	119	242
AR.....	50	49	53	54	450	436	886	451	486	937
CA.....	18	17	16	15	133	131	264	123	116	239
CO.....	24	19	21	20	185	146	331	164	156	320
CT.....	.50	.60	.40	.60	3.7	5.0	8.7	3.0	4.3	7.3
DE.....	8.9	9.6	9.0	8.0	71	66	137	60	61	121
FL.....	20	19	18	21	142	135	277	131	149	280
GA.....	108	110	116	118	813	829	1,642	859	903	1,762
HI.....	4.8	5.2	4.8	5.0	32	36	68	30	36	66
ID.....	10	7.0	7.0	8.0	83	48	131	59	61	120
IL.....	530	575	550	590	3,922	4,342	8,264	4,235	4,439	8,674
IN.....	430	430	430	475	3,311	3,808	6,619	3,324	3,658	6,982
IA.....	1,280	1,340	1,380	1,740	9,935	10,451	20,386	10,952	11,430	22,382
KS.....	156	144	147	142	1,202	1,102	2,304	1,155	1,098	2,253
KY.....	95	105	109	105	713	798	1,511	807	798	1,605
LA.....	6.0	7.0	6.0	6.0	40	40	80	39	36	75
ME.....	1.0	1.4	1.0	1.1	6.7	8.4	15.1	6.4	8	14.4
MD.....	21	23	23	27	151	163	314	170	197	367
MA.....	3.0	2.8	2.5	3.0	19	19	38	18	21	39
MI.....	105	130	115	140	851	1,027	1,878	909	1,092	2,001
MN.....	415	430	445	470	3,302	3,462	6,764	3,585	3,736	7,321
MS.....	28	23	30	29	188	159	347	234	203	437
MO.....	320	320	345	350	2,445	2,447	4,892	2,588	2,607	5,195
MT.....	20	21	30	27	156	168	324	194	200	394
NE.....	370	395	395	405	2,906	3,121	6,027	3,142	3,200	6,342
NV.....	1.3	1.4	1.5	1.6	10	11	21	13	13	26
NH.....	.70	.80	.70	.90	5.4	5.4	10.8	4.9	6.4	11.3
NJ.....	2.4	2.6	2.5	2.6	18	20	38	22	16	38
NM.....	4.5	4.2	3.4	3.3	33	33	66	26	27	53
NY.....	9.0	13	12	14	63	95	158	88	113	201
NC.....	235	240	245	265	1,874	1,968	3,842	1,961	2,133	4,094
ND.....	33	30	35	35	261	231	492	277	280	557
OH.....	190	205	215	230	1,501	1,594	3,095	1,640	1,772	3,412
OK.....	23	22	25	18	145	158	303	180	126	306
OR.....	14	15	13	12	102	120	222	96	101	197
PA.....	72	78	83	73	540	624	1,164	664	599	1,263
RI.....	.40	.40	.30	.30	2.6	2.6	5.2	2.3	2.4	4.7
SC.....	40	46	39	45	268	322	590	273	311	584
SD.....	175	173	190	174	1,330	1,298	2,628	1,501	1,375	2,876
TN.....	95	92	82	80	722	672	1,394	599	608	1,207
TX.....	45	53	50	60	320	398	718	370	438	808
UT.....	2.3	1.9	2.3	2.1	18	14	32	17	17	34
VT.....	.80	.80	.80	.80	5.9	5.6	11.5	5.3	5.7	11
VA.....	57	40	53	47	428	304	732	408	353	761
WA.....	4.0	5.0	6.0	6.0	31	39	70	42	49	91
WV.....	2.4	2.7	2.8	3.0	16	19	35	17	22	39
WI.....	160	150	160	155	1,232	1,140	2,372	1,232	1,194	2,426
WY.....	4.6	5.0	2.6	2.3	31	37	68	20	18	38
US.....	5,246	5,423	5,538	5,774	40,392	41,997	82,389	43,135	44,668	87,803

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 408.—Hogs: Production, disposition, cash receipts, and gross income, United States, 1973-87**

Year	Market-ings <sup>1</sup>	Shipped in for feeding and breeding	Farm slaughter <sup>2</sup>	Quantity produced (live weight) <sup>3</sup>	Value of production <sup>4</sup>	Cash receipts from sales of hogs, pork, and lard <sup>5</sup>	Value of hogs slaughtered for home consumption	Gross income <sup>6</sup>	Average price per 100 pounds received by farmers
	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Dollars
1973 <sup>7</sup>	82,419	3,902	1,095	20,154,425	7,738,196	7,529,002	207,729	7,736,731	38.40
1974	85,504	3,979	1,321	19,976,384	6,838,022	6,946,761	219,400	7,166,161	34.20
1975	73,627	3,805	1,193	16,835,178	7,755,699	7,916,425	267,158	8,183,583	46.10
1976	75,747	4,191	1,181	18,160,337	7,856,375	7,487,676	268,802	7,756,478	43.30
1977	80,939	4,258	1,144	19,020,900	7,484,651	7,281,364	262,407	7,543,411	39.40
1978	81,271	4,714	1,086	19,466,200	9,065,998	8,753,229	285,238	9,038,467	46.60
1979	92,499	5,003	1,070	22,617,129	9,423,783	9,039,678	255,136	9,294,814	41.80
1980	100,651	4,668	1,100	23,401,728	8,863,535	8,942,539	214,930	9,157,469	38.00
1981	95,986	4,147	895	21,812,966	9,532,037	9,794,285	206,215	10,000,500	43.90
1982	86,972	3,827	655	19,657,921	10,297,021	10,658,841	178,109	10,836,950	52.30
1983	89,129	3,527	517	21,195,347	9,899,218	9,785,227	123,898	9,909,125	46.80
1984	87,344	3,527	473	20,195,699	9,498,230	9,703,385	115,087	9,818,472	47.10
1985	86,694	3,676	446	20,164,269	8,871,310	9,029,467	98,823	9,128,290	44.00
1986	82,738	3,447	358	19,415,403	9,555,767	9,716,044	89,401	9,805,445	49.30
1987 <sup>8</sup>	84,153	3,783	341	20,419,243	10,426,796	10,326,387	91,292	10,417,679	51.20

<sup>1</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. <sup>2</sup> Excludes custom slaughtered for farmers at commercial establishments. <sup>3</sup> Adjustments made for changes in inventory and for inshipments. <sup>4</sup> Includes allowance for higher average price of State inshipments and outshipments of feeder pigs. <sup>5</sup> Receipts from marketings and sale of farm slaughter includes allowance for higher average price of State outshipments of feeder pigs. <sup>6</sup> Cash receipts from sale of hogs, pork, and lard plus value of hogs slaughtered for home consumption. <sup>7</sup> Data for 12-month period—December of previous year through November of current year. <sup>8</sup> Preliminary.

National Agricultural Statistics Service.

**Table 409.—Hogs: Receipts at selected public stockyards and direct receipts at interior markets, 1973-87 <sup>1</sup>**

Year	Receipts at selected public stockyards									Direct receipts in interior Iowa and Southern Minnesota <sup>4</sup>
	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting <sup>2 3</sup>	
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	
1973	65	785	1,337	1,325	1,641	2,357	1,772	7,792	17,024	18,852
1974	80	897	1,478	1,530	1,790	2,676	2,365	8,255	19,071	19,979
1975	84	559	1,162	1,226	1,420	2,140	1,880	6,630	15,101	16,226
1976	77	497	1,102	1,327	1,547	2,423	1,975	7,064	16,012	18,190
1977	94	491	1,055	1,458	1,586	2,291	2,003	6,732	15,710	19,781
1978	72	445	1,039	1,479	949	1,603	1,543	5,623	12,758	20,194
1979	54	453	1,077	1,546	1,051	1,866	1,838	6,367	14,352	22,980
1980	72	415	1,101	1,525	994	1,728	1,677	5,993	13,505	24,686
1981	54	325	957	1,382	835	1,479	1,616	5,686	12,334	24,386
1982	( <sup>6</sup> )	246	821	1,141	740	1,125	1,406	4,671	10,150	21,499
1983		239	831	1,222	759	1,013	1,332	4,538	9,934	23,425
1984		203	837	1,065	669	960	1,230	4,175	9,139	23,116
1985		180	764	956	620	850	1,119	3,832	8,321	24,068
1986		160	667	967	560	738	940	3,330	7,361	21,983
1987		139	557	843	498	745	858	3,217	6,857	23,498

<sup>1</sup> Total rail and truck receipts. Saleable receipts 1978 on.

<sup>2</sup> Rounded total of complete figures.

<sup>3</sup> The number of stockyards reporting varies from 41 to 68.

<sup>4</sup> Covers receipts at 14 packing plants and 30 concentration yards.

<sup>5</sup> Data no longer reported.

Agricultural Marketing Service. Compiled from reports received from stockyard companies.

**Table 410.—Hogs: Production, disposition, cash receipts, and gross income, by States, 1987 (preliminary)**

State	Marketings <sup>1</sup>	Shipped in for feeding and breeding	Farm slaughter <sup>2</sup>	Quantity produced (live weight) <sup>3</sup>	Value of production <sup>4</sup>	Cash receipts from sales of hogs, pork, and lard <sup>5</sup>	Value of hogs slaughtered for home consumption	Gross income <sup>6</sup>
	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	582	15	7	125,166	63,877	64,550	1,516	66,066
AK.....	1	2	4	227	150	223	7	230
AZ.....	260	9	1	54,480	30,967	33,232	328	33,560
AR.....	916	13	4	216,522	103,893	102,611	853	103,464
CA.....	249	20	14	54,545	31,612	31,680	2,241	33,921
CO.....	302	19	2	71,795	38,525	36,638	742	37,380
CT.....	6.9	0	4	1,629	798	637	188	825
DE.....	122.9	8	1	25,925	13,012	13,253	27	13,280
FL.....	258	2	2	50,152	25,070	23,550	333	23,883
GA.....	1,708	129	8	396,530	204,946	203,555	1,868	205,423
HI.....	63	0	2	11,391	8,623	8,509	382	8,891
ID.....	115	5	3	27,384	13,712	12,657	1,449	14,106
IL.....	8,165	230	10	2,141,942	1,081,177	1,062,289	3,939	1,066,228
IN.....	6,550	310	7	1,605,680	804,990	786,188	1,951	788,139
IA.....	21,217	1,200	15	5,390,050	2,766,568	2,735,076	5,815	2,740,891
KS.....	2,291	153	5	575,753	284,817	287,618	3,131	290,749
KY.....	1,578	70	15	344,995	182,839	180,238	5,118	185,356
LA.....	74	2	4	16,344	7,338	7,125	695	7,820
ME.....	10.7	0	2.4	3,832	1,878	1,355	529	1,884
MD.....	346	22	3	77,185	39,474	37,313	519	37,832
MA.....	35	0	1	8,963	4,393	4,016	221	4,237
MI.....	1,853	49	7	434,290	217,557	212,560	2,100	214,660
MN.....	7,165	300	16	1,614,991	840,286	847,960	5,893	853,853
MS.....	346	7	10	88,264	45,041	40,245	1,878	42,123
MO.....	4,880	8	9	1,139,650	590,093	579,344	3,285	582,629
MT.....	342	7	3	84,326	38,468	35,338	872	36,210
NE.....	6,398	380	4	1,487,007	760,176	774,903	2,885	777,788
NV.....	23.8	1	2	5,372	2,380	2,243	42	2,285
NH.....	9.1	0	1	2,792	1,367	1,146	229	1,375
NJ.....	46	21	2	5,296	2,271	2,177	404	2,581
NM.....	55.5	2	1.5	11,709	5,917	5,760	265	6,025
NY.....	183	2	6	41,260	20,352	19,863	1,355	21,218
NC.....	3,874	160	30	919,400	468,315	463,416	6,541	469,957
ND.....	513	26	4	108,982	52,688	50,753	939	51,692
OH.....	3,251.3	197.3	8	789,769	397,220	395,847	2,698	398,545
OK.....	311	18	3	86,205	43,053	42,807	728	43,535
OR.....	203	0	2	46,604	24,793	24,951	1,170	26,121
PA.....	1,253	75	25	290,170	148,925	151,319	4,583	155,902
RI.....	4.1	0	4	1,156	566	542	61	603
SC.....	583	30	7	133,410	67,643	68,972	1,600	70,572
SD.....	2,811	40	5	659,965	345,234	348,202	2,186	350,388
TN.....	1,231	164	50	260,591	136,212	131,555	9,337	140,892
TX.....	731	36	8	216,834	109,160	102,331	1,652	103,983
UT.....	30.6	3	2	7,807	3,683	3,562	50	3,612
VT.....	8.1	0	2	3,059	1,499	1,113	382	1,495
VA.....	662	25	14	167,194	83,662	77,735	2,946	80,681
WA.....	73	0	6	18,536	9,268	6,623	2,599	9,222
WV.....	46	11	3	16,239	8,515	7,535	1,135	8,670
WI.....	2,367	12	6	567,885	288,667	289,433	1,413	290,846
WY.....	49	1	1	10,090	5,126	5,839	212	6,051
US.....	84,153	3,783	341	20,419,243	10,426,796	10,326,387	91,292	10,417,679

<sup>1</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

<sup>3</sup> Adjustments made for changes in inventory and for inshipments.

<sup>4</sup> Includes allowance for higher average price of State inshipments and outshipments of feeder pigs.

<sup>5</sup> Receipts from marketings and sale of farm-slaughter. Includes allowance for higher average price of State outshipments of feeder pigs.

<sup>6</sup> Cash receipts from sales of hogs, pork, and lard plus value of hogs slaughtered for home consumption.

Table 411.—Hogs: Number slaughtered, United States, 1973-87

Year	Commercial			Farm	Total	Year	Commercial			Farm	Total
	Federally inspected	Other	Total <sup>1</sup>				Federally inspected	Other	Total <sup>1</sup>		
	Thousands	Thousands	Thousands	Thousands	Thousands		Thousands	Thousands	Thousands	Thousands	Thousands
1973.....	72,264	4,531	76,795	1,095	77,890	1981.....	87,851	3,724	91,575	895	92,470
1974.....	77,071	4,691	81,762	1,321	83,083	1982.....	79,328	2,861	82,190	655	82,845
1975.....	64,926	3,761	68,687	1,193	69,880	1983.....	84,762	2,823	87,584	517	88,101
1976.....	70,454	3,330	73,784	1,181	74,965	1984.....	82,478	2,690	85,168	473	85,641
1977.....	74,019	3,285	77,303	1,144	78,447	1985.....	81,974	2,519	84,492	446	84,938
1978.....	74,139	3,176	77,315	1,086	78,401	1986.....	77,290	2,309	79,598	358	79,956
1979.....	85,425	3,674	89,099	1,070	90,169	1987.....	78,913	2,168	81,081	341	81,422
1980.....	91,882	4,192	96,074	1,100	97,174						

<sup>1</sup> Totals are based on unrounded numbers.  
National Agricultural Statistics Service.

Table 412.—Hogs: Number slaughtered commercially, total and average live weight, by States, 1987<sup>1</sup>

State	Number slaughtered	Total live weight	Average live weight	State	Number slaughtered	Total live weight	Average live weight
	Thousands	1,000 pounds	Pounds		Thousands	1,000 pounds	Pounds
AL.....	201.8	83,968	416	NV.....	2.2	500	228
AZ.....	13.9	3,105	224	N ENG <sup>2</sup> .....	54.3	12,624	232
AR.....	277.4	99,258	358	NJ.....	78.5	7,591	97
CA.....	1,815.6	409,314	225	NM.....	5.0	1,065	212
CO.....	249.1	57,845	232	NY.....	60.9	14,174	233
DE and MD.....	139.4	31,431	225	NC.....	2,699.5	637,288	236
FL.....	83.0	12,241	147	ND.....	71.7	15,696	219
GA.....	1,693.5	400,889	237	OH.....	2,874.4	707,663	246
HI.....	44.3	8,610	194	OK.....	125.4	42,852	340
ID.....	111.8	27,143	243	OR.....	175.1	42,126	241
IL.....	5,747.0	1,488,773	259	PA.....	1,499.7	358,266	239
IN.....	4,099.8	987,474	241	SC.....	521.0	120,914	232
IA.....	21,262.3	5,340,334	251	SD.....	3,769.2	954,998	253
KS.....	1,901.0	483,365	254	TN.....	1,883.2	519,823	276
KY.....	2,480.0	637,172	257	TX.....	822.1	225,713	275
LA.....	60.7	13,873	225	UT.....	232.0	55,596	240
MI.....	4,526.6	1,069,718	236	VA.....	4,622.9	1,107,993	240
MN.....	5,947.0	1,418,743	239	WA.....	19.2	4,429	231
MS.....	1,815.4	428,765	236	WV.....	24.1	9,645	401
MO.....	3,874.2	958,189	247	WI.....	1,104.7	287,998	261
MT.....	27.2	6,309	232	WY.....	5.9	1,467	249
NE.....	4,058.7	965,907	238	US.....	81,080.8	20,060,447	247

<sup>1</sup> Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms. Average live weight is based on unrounded numbers. Commercial slaughter not estimated in Alaska.

<sup>2</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.



**Table 413.—Hogs: Number slaughtered, average dressed and live weights, Federally inspected and commercial, 1973-87 <sup>1</sup>**

Year	Federally inspected									Commercial		
	Barrows and gilts		Sows		Stags and boars		Total			All hogs and pigs		
	Number head	Avg. dressed weight	Number head	Avg. dressed weight	Number head	Avg. dressed weight	Number head	Avg. dressed weight <sup>2</sup>	Avg. live weight	Number head	Avg. dressed weight <sup>2</sup>	Avg. live weight
	Thousands	Pounds	Thousands	Pounds	Thousands	Pounds	Thousands	Pounds	Pounds	Thousands	Pounds	Pounds
1973.....	67,321	.....	4,201	.....	742	.....	72,264	164	242	76,795	164	241
1974.....	71,048	.....	5,319	.....	704	.....	77,071	167	245	81,762	166	244
1975.....	60,709	.....	3,603	.....	614	.....	64,926	166	240	68,687	165	240
1976.....	66,512	.....	3,399	.....	548	.....	70,454	167	238	73,784	166	238
1977.....	69,191	163	4,055	282	783	237	74,019	170	237	77,303	170	237
1978.....	69,539	164	3,870	290	730	239	74,139	171	240	77,315	171	240
1979.....	79,744	164	4,793	295	888	234	85,425	172	242	89,099	172	242
1980.....	85,653	164	5,161	292	1,068	213	91,882	172	242	96,074	172	242
1981.....	82,206	165	4,609	292	1,036	206	87,851	173	243	91,575	173	243
1982.....	74,411	166	3,959	292	958	202	79,328	173	243	82,190	173	243
1983.....	79,322	166	4,496	293	944	205	84,762	173	243	87,584	173	243
1984.....	77,295	167	4,254	290	929	216	82,478	174	244	85,168	173	243
1985.....	77,232	169	3,894	300	847	212	81,973	175	245	84,492	175	245
1986.....	72,905	170	3,633	303	752	217	77,290	177	246	79,598	177	246
1987.....	74,807	171	3,411	306	695	206	78,913	177	248	81,081	177	247

<sup>1</sup> All weights calculated using unrounded totals. Totals may not add due to rounding.

<sup>2</sup> 1973-76 shipper style, beginning 1977 packer style.

National Agricultural Statistics Service.

**Table 414.—Hogs and corn: Hog-corn price ratio and average price received by farmers for corn, North Central States and United States, 1973-87**

Year	Hog-corn price ratio <sup>1</sup>		Price of corn per bushel <sup>2</sup>		Year	Hog-corn price ratio <sup>1</sup>		Price of corn per bushel <sup>2</sup>	
	United States	North Central States	United States	North Central States		United States	North Central States	United States	North Central States
			Dollars	Dollars				Dollars	Dollars
1973.....	21.7	22.2	1.89	1.87	1981.....	14.9	15.0	2.92	2.90
1974.....	12.2	12.2	2.92	2.91	1982.....	23.0	22.5	2.37	2.36
1975.....	17.1	17.2	2.70	2.68	1983.....	15.8	16.7	2.99	2.97
1976.....	17.5	17.6	2.49	2.48	1984.....	15.4	15.4	3.05	3.08
1977.....	19.8	20.0	2.03	2.02	1985.....	17.6	17.8	2.49	2.47
1978.....	22.4	22.7	2.10	2.08	1986.....	26.1	( <sup>3</sup> )	1.96	( <sup>3</sup> )
1979.....	18.3	18.5	2.36	2.33	1987.....	33.6	( <sup>3</sup> )	1.56	( <sup>3</sup> )
1980.....	14.4	14.6	2.70	2.68					

<sup>1</sup> Number of bushels of corn required to buy 100 pounds of live hogs at local markets, based on average prices received by farmers for hogs and corn. Annual average is a simple average of monthly ratios, December through November.

<sup>2</sup> Average of entire month prices.

<sup>3</sup> Series discontinued.

National Agricultural Statistics Service.

**Table 415.—Hogs: Average weight and cost of packer and shipper purchases, by classes, at Omaha, and at 7 markets combined, 1973-87**

Year	Omaha					Seven markets <sup>1</sup>				
	Barrows and gilts		Sows		Number of sows as percentage of all purchases	Barrows and gilts		Sows		Number of sows as percentage of all purchases
	Average live weight	Average cost per cwt.	Average live weight	Average cost per cwt.		Average live weight	Average cost per cwt.	Average live weight	Average cost per cwt.	
	Pounds	Dollars	Pounds	Dollars	Percent	Pounds	Dollars	Pounds	Dollars	Percent
1973.....	239	39.83	458	35.59	13	237	40.27	445	35.94	11
1974.....	245	34.65	447	29.78	14	241	35.12	436	29.92	11
1975.....	241	47.93	449	43.67	12	238	48.32	448	43.65	9
1976.....	240	42.60	457	36.09	13	236	43.11	457	35.92	10
1977.....	237	40.65	459	36.20	14	234	41.07	454	36.01	10
1978.....	239	48.29	460	43.36	15	237	48.49	459	43.23	11
1979.....	241	41.56	450	36.65	18	237	42.06	452	35.43	12
1980.....	241	39.08	452	36.04	19	237	39.48	447	36.01	11
1981.....	243	43.87	458	40.40	17	238	44.05	454	40.27	12
1982.....	244	54.87	454	49.66	19	240	55.07	458	49.59	12
1983.....	240	47.32	444	40.55	20	239	47.33	455	40.68	13
1984.....	239	48.53	448	43.04	19	239	48.69	451	43.29	14
1985.....	244	44.47	473	39.57	15	241	44.50	466	39.41	13
1986.....	244	50.30	480	45.49	17	242	50.59	469	45.58	13
1987.....	252	50.88	480	44.11	21	246	51.04	473	44.08	14

<sup>1</sup> Includes Indianapolis, Kansas City, Omaha, National Stock Yards, Sioux City, South St. Joseph, and South St. Paul. Prior to 1970, included Chicago.

Agricultural Marketing Service.

**Table 416.—Pork cuts (less than carlots): Wholesale price per 100 pounds, New York, 1973-87**

Year	Loins, fresh, 8- to 14-lb. average	Butts, Boston style, 4- to 8-lb. average	Hams, smoked, skinned, 14- to 17-lb. average <sup>1</sup>	Bacon, smoked, slab, 8- to 12-lb. average	Year	Loins, fresh, 8- to 14-lb. average	Butts, Boston style, 4- to 8-lb. average	Hams, smoked, skinned, 14- to 17-lb. average <sup>1</sup>	Bacon, smoked, slab, 8- to 12-lb. average
	Dollars	Dollars	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars
1973.....	81.91	71.08	.....	52.14	1981.....	113.70	97.56	95.55	.....
1974.....	78.56	61.98	.....	.....	1982.....	111.51	91.12	91.47	.....
1975.....	99.28	86.44	89.15	.....	1983.....	115.91	96.07	95.54	.....
1976.....	97.68	81.13	91.06	.....	1984.....	115.81	96.85	99.57	.....
1977.....	95.25	75.98	89.08	.....	1985.....	113.59	90.02	92.90	.....
1978.....	109.15	71.77	99.63	.....	1986.....	104.78	80.11	91.61	.....
1979.....	107.65	94.13	94.38	.....	1987.....	126.51	102.72	105.15	.....
1980.....	101.14	87.46	88.99	.....					

<sup>1</sup> Delete word "smoked" after 1974.

Agricultural Marketing Service.

**Table 417.—Lard, including rendered pork fat: Stocks Jan. 1, production, trade, and disappearance, United States, 1973-87**

Year	Supply						Disposition			
	Production				Stocks Jan. 1 <sup>1</sup>	Total <sup>2</sup>	Ex- ports <sup>3</sup>	Domestic disappearance		
	Federal- ly inspected	Other commercial	Farm	Total				Total	Total	Direct use
					Total	Total	Per civilian			
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Mil- lion pounds</i>	<i>Mil- lion pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Mil- lion pounds</i>	<i>Mil- lion pounds</i>	<i>Pounds</i>	
1973	1,181	54	18	1,253	51	1,304	122	1,140	705	3.4
1974	1,289	55	22	1,366	44	1,410	182	1,192	681	3.2
1975	956	39	17	1,012	36	1,048	88	932	633	3.0
1976	1,010	34	17	1,061	28	1,089	181	874	585	2.7
1977	994	27	16	1,037	34	1,071	182	861	510	2.3
1978	968	23	15	1,006	29	1,035	120	878	486	2.2
1979	1,109	32	14	1,155	38	1,193	96	1,047	584	2.6
1980	1,173	30	14	1,217	50	1,267	92	1,126	594	2.6
1981	1,131	24	12	1,167	49	1,216	150	1,029	578	2.5
1982	892	18	9	919	37	1,956	103	907	584	2.5
1983	952	20	7	979	37	1,015	89	892	490	2.1
1984	911	17	6	935	34	969	89	846	491	2.1
1985	906	17	6	929	34	963	105	820	422	1.8
1986	855	14	5	874	38	912	104	776	417	1.7
1987 <sup>3</sup>	844	13	5	862	32	894	107	745	319	1.3

<sup>1</sup> Factory and warehouse stocks as reported by the Bureau of the Census.<sup>2</sup> Includes imports, which were less than 500,000 pounds.<sup>3</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce and the U.S. Department of Agriculture. Totals and per capita estimates computed from unrounded numbers.

**Table 418.—Lard, including rendered pork fat: United States exports by country of destination, 1984-87**

Continent and country	1984	1985	1986	1987 <sup>1</sup>	Continent and country	1984	1985	1986	1987 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:					Europe:				
Belize	1,360	877	1,287	897	Belgium and				
Canada	9,062	5,637	2,386	2,536	Luxembourg	0	0	34	267
Haiti	111	3,481	2,021	612	United Kingdom	1	1	0	0
Mexico	28,599	35,557	41,603	43,017	Other countries	28	1,276	21	622
Netherlands Antilles	314	91	101	50	Total	29	1,277	55	889
Panama	58	5	5	58	Africa	2	23	43	6
Other countries	501	185	134	82	Asia	88	38	50	4
Total	40,005	45,833	47,537	47,252	Oceania	7	1	0	0
South America:					Grand total <sup>2</sup>	40,358	47,414	47,827	48,239
Bolivia	117	100	0	0					
Colombia	67	82	45	35					
Other countries	36	61	94	52					
Total	220	243	139	87					

<sup>1</sup> Preliminary.<sup>2</sup> May not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 419.—Sheep and lambs: Number and value, United States, Jan. 1, 1973–88

Year	Number	Value		Year	Number	Value	
		Per head	Total			Per head	Total
	<i>Thou-</i> <i>sands</i>	<i>Dollars</i>	<i>1,000</i> <i>dollars</i>		<i>Thou-</i> <i>sands</i>	<i>Dollars</i>	<i>1,000</i> <i>dollars</i>
1973.....	17,641	26.70	470,832	1981.....	12,947	69.90	904,303
1974.....	16,310	32.80	534,766	1982.....	12,997	57.10	742,139
1975.....	14,515	30.50	442,491	1983.....	12,140	51.80	628,599
1976.....	13,311	37.30	496,281	1984.....	11,487	52.10	598,904
1977.....	12,722	42.50	540,158	1985.....	10,443	61.10	637,873
1978.....	12,421	51.60	641,476	1986.....	9,983	67.40	673,048
1979.....	12,365	72.10	890,970	1987.....	10,334	75.70	782,108
1980.....	12,699	78.20	993,093	1988 <sup>1</sup> .....	10,774	89.90	968,918

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 420.—Sheep and lambs: Number, by classes, United States, Jan. 1, 1973–88

Year	All sheep and lambs	Sheep and lambs on feed	Stock sheep				
			Total	Lambs		1 year and over	
				Ewes	Wethers and rams	Ewes	Wethers and rams
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1973.....	17,641	2,873	14,768	1,883	354	12,049	482
1974.....	16,310	2,625	13,685	1,804	359	11,058	464
1975.....	14,515	2,079	12,436	1,510	404	10,083	437
1976.....	13,311	1,884	11,427	1,345	350	9,314	418
1977.....	12,722	1,731	10,991	1,401	379	8,350	361
1978.....	12,421	1,623	10,798	1,508	328	8,588	374
1979.....	12,365	1,579	10,786	1,684	356	8,366	380
1980.....	12,699	1,622	11,077	1,810	368	8,533	366
1981.....	12,947	1,649	11,298	1,790	358	8,780	371
1982.....	12,997	1,564	11,433	1,810	423	8,811	389
1983.....	12,140	1,661	10,479	1,420	343	8,543	374
1984.....	11,487	1,718	9,769	1,237	318	7,874	340
1985.....	10,443	1,596	8,847	1,016	284	7,233	314
1986.....	9,983	1,492	8,491	1,048	318	6,817	310
1987.....	10,334	1,508	8,826	1,296	363	6,847	320
1988 <sup>1</sup> .....	10,774	1,781	8,993	1,266	323	7,077	327

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 421.—Stock sheep: Number, by classes, by States, Jan. 1, 1987 and 1988

State	Lambs				One year and over			
	Ewes		Wethers and rams		Ewes		Wethers and rams	
	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head
AK.....	0.2	0.3	0.2	0.2	1.3	1.2	0.7	0.7
AZ.....	41	28	23	17	144	180	11	12
CA.....	69	75	16	15	685	685	25	25
CO.....	55	53	15	11	300	320	10	11
CT.....	1.8	1.2	.6	.5	6.0	5.8	.4	.5
ID.....	42	48	6.0	4.0	245	247	6.0	6.0
IL.....	19	13	5.0	4.0	79	74	6.0	4.0
IN.....	12	10	3.0	2.0	63	67	4.0	4.0
IA.....	36	41	8.0	5.0	255	277	11	12
KS.....	10	12	4.0	4.0	145	150	7.0	6.0
KY.....	4.0	3.3	2.4	2.0	24	27	1.6	1.7
LA.....	7.8	1.8	.9	.9	12	12	1.3	1.3
ME.....	2.5	2.3	1.3	1.8	13	12	1.2	.9
MD.....	4.0	6.0	2.0	3.0	16	22	3.0	3.0
MA.....	2.2	2.0	1.5	1.8	9.5	9.2	.8	1.0
MI.....	10	11	4.0	3.0	68	67	3.0	3.0
MN.....	23	33	6.0	6.0	130	120	6.0	6.0
MO.....	13	10	5.0	2.0	80	76	4.0	4.0
MT.....	106	106	11.0	5.0	370	380	13	12
NE.....	15	20	6.0	5.0	94	105	5.0	5.0
NV.....	14	13	1.0	1.0	69	78	2.0	2.0
NH.....	1.8	1.7	.9	1.7	8.6	8.0	.7	.6
NJ.....	3.1	3.2	1.7	1.5	8.2	9.0	1.0	1.3
NM.....	80	60	8.0	8.0	342	335	20	18
NY.....	15	12	7.0	7.0	40	42	2.0	2.0
NC.....	2.2	2.0	.7	15	9.3	9.9	.8	.6
ND.....	29	20	7.0	3.0	120	114	4.0	5.0
OH.....	30	27	7.0	5.0	220	170	8.0	8.0
OK.....	10	12	7.0	7.0	60	78	3.0	3.0
OR.....	44	45	10.0	12	255	320	11	13
PA.....	18	19	7.0	8.0	73	76	6.0	7.0
SD.....	74	65	29.0	9.0	434	453	13	13
TN.....	2.3	1.7	1.3	.7	8.7	8.9	.7	.7
TX.....	290	290	110	120	1,300	1,310	80	80
UT.....	50	52	4.0	6.0	375	390	11	12
VT.....	2.5	2.5	1.4	1.1	11.0	9.7	1.1	.7
VA.....	11	9.0	2.0	2.0	98	84	5.0	5.0
WA.....	9.5	12	3.5	4.0	44	54	2.0	2.0
WV.....	11	10	8.0	11	68	67	3.0	3.0
WI.....	12	10	7.0	2.0	53	53	4.0	3.0
WY.....	119	122	19	20	530	580	22	28
US.....	1,295.9	1,266.0	363.4	323.7	6,846.6	7,076.7	320.3	327.0

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 422.—Sheep and lambs: Number of stock sheep and sheep on feed, by States, Jan. 1, 1986-88**

State	Stock sheep			Sheep on feed <sup>2</sup>		
	1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AK.....	3.0	2.4	2.4			
AZ.....	246	219	237	32	64	47
CA.....	860	795	800	205	185	215
CO.....	360	380	395	240	310	465
CT.....	8.7	8.8	8.0			
ID.....	301	299	305	19	15	19
IL.....	98	109	95	11	10	12
IN.....	92	82	73	8.0	9.0	7.0
IA.....	280	310	385	70	65	70
KS.....	150	166	172	60	70	105
KY.....	27	32	34			
LA.....	8.4	16	16			
ME.....	17	18	17			
MD.....	20	25	34			
MA.....	10	14	14			
MI.....	89	85	84	19	21	21
MN.....	150	165	165	63	72	73
MO.....	91	102	92	10	8.0	11
MT.....	450	500	503	23	23	35
NE.....	95	120	135	65	53	45
NV.....	78	86	94	3.0		2.0
NH.....	11	12	12			
NJ.....	11	14	15			
NM.....	440	450	421	85	30	30
NY.....	55	64	63			
NC.....	10	13	13			
ND.....	140	160	142	40	25	27
OH.....	225	245	210	50	55	60
OK.....	70	80	100	20	25	24
OR.....	325	320	390	105	95	100
PA.....	93	104	110			
SD.....	460	550	540	80	55	70
TN.....	10	13	12			
TX.....	1,660	1,780	1,800	150	150	160
UT.....	460	440	460	24	24	18
VT.....	13	16	14			
VA.....	154	116	100		52	40
WA.....	58	59	72			
WV.....	78	90	91			
WI.....	64	76	68	11	7.0	10
WY.....	720	690	750	99	85	115
US.....	8,491.1	8,826.2	8,993.4	1,492.0	1,508.0	1,781.0

<sup>1</sup> Preliminary.

<sup>2</sup> Sheep and lambs on feed are animals being fattened for slaughter market on grain, other concentrates, or succulent pastures, and are expected to produce a carcass that will grade Good or better.

National Agricultural Statistics Service.

Table 423.—Sheep: Number in specified countries, 1986–88 <sup>1</sup>

Continent and country	1986	1987	1988 <sup>2</sup>	Continent and country	1986	1987	1988 <sup>2</sup>
	<i>Thou- sand head</i>	<i>Thou- sand head</i>	<i>Thou- sand head</i>		<i>Thou- sand head</i>	<i>Thou- sand head</i>	<i>Thou- sand head</i>
North America:				Europe—Con.			
United States <sup>3</sup> .....	9,983	10,328	10,860	Hungary.....	2,465	2,337	2,181
Total.....	9,983	10,328	10,860	Poland.....	4,112	4,300	4,150
South America:				Romania.....	18,609	18,650	18,700
Argentina.....	29,243	28,998	28,948	Yugoslavia.....	7,693	7,819	7,879
Uruguay.....	24,808	25,207	27,598	Total Eastern			
Total.....	54,051	54,705	56,546	Europe.....	46,277	46,465	46,332
Europe:				Total Europe.....	128,917	131,657	132,864
Belgium-Luxembourg....	147	149	151	Soviet Union.....	140,850	142,200	141,800
Denmark.....	52	69	90	Africa:			
France.....	11,241	10,580	10,500	Egypt.....	1,500	1,550	1,575
Germany, Fed. Rep. of...	1,296	1,383	1,398	South Africa.....	29,481	29,728	30,035
Greece.....	10,122	11,412	12,024	Total.....	30,981	31,278	31,610
Ireland.....	2,774	2,970	3,175	Asia and Mideast:			
Italy.....	11,300	11,451	11,400	India.....	54,460	55,482	56,683
Netherlands.....	868	900	900	Japan.....	26	27	
United Kingdom.....	24,540	25,976	26,616	Turkey.....	47,000	43,500	39,500
Portugal.....	3,000	3,137	3,278	Total.....	101,486	99,009	96,183
Spain.....	17,300	17,177	17,000	Oceania:			
Total Western				Australia.....	155,561	158,642	160,600
Europe.....	82,640	85,204	86,532	New Zealand.....	67,854	69,601	65,800
Bulgaria.....	9,724	9,625	9,625	Total.....	223,415	228,243	22,640
Czechoslovakia.....	1,087	1,087	1,087	Total selected			
German Dem. Rep.....	2,587	2,647	2,710	countries.....	689,683	697,432	696,263

<sup>1</sup> Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible.

<sup>2</sup> Preliminary.

<sup>3</sup> 50 States.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 424.—Lamb crop: Number of lambs as percentage of ewes one year old and older, by States, 1985-87 <sup>1</sup>**

State	1985		1986		1987 <sup>2</sup>	
	Number	Lamb crop as percent of ewes one year old and over, Jan. 1	Number	Lamb crop as percent of ewes one year old and over, Jan. 1	Number	Lamb crop as percent of ewes one year old and over, Jan. 1
	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Percent</i>
AK.....	0.7	47	0.7	47	0.7	54
AZ.....	112	76	112	70	120	83
CA.....	690	90	630	87	625	91
CO.....	350	113	350	119	330	110
CT.....	8.6	127	9.4	147	8.5	142
ID.....	329	134	301	120	300	122
IL.....	100	109	103	134	90	114
IN.....	98	126	85	116	75	119
IA.....	310	135	330	144	330	129
KS.....	145	99	160	120	155	107
KY.....	26	118	23	105	27	113
LA.....	6.1	94	13	213	12	100
ME.....	16	114	17	131	15	115
MD.....	17	155	16	114	21	131
MA.....	8.5	106	11	157	11	116
MI.....	90	123	90	127	90	132
MN.....	190	127	195	163	170	131
MO.....	105	118	108	150	100	125
MT.....	470	121	450	122	440	119
NE.....	105	127	120	150	125	133
NV.....	72	96	73	112	80	123
NH.....	12	133	12	150	11	128
NJ.....	9.0	113	10	130	14	171
NM.....	325	83	300	85	275	80
NY.....	48	114	50	125	48	120
NC.....	7.4	128	9.0	127	11	118
ND.....	160	114	165	138	150	125
OH.....	215	119	230	124	205	103
OK.....	60	111	80	146	61	102
OR.....	320	112	290	106	340	133
PA.....	75	112	79	116	75	103
SD.....	550	115	525	127	520	120
TN.....	6.8	100	7.7	100	8.5	98
TX.....	1,020	76	1,130	90	1,130	89
UT.....	420	100	400	100	410	109
VT.....	13	130	15	167	13	118
VA.....	110	126	120	136	100	102
WA.....	55	134	58	132	63	143
WV.....	71	111	80	133	77	113
WI.....	76	149	78	150	78	147
WY.....	610	107	520	91	515	97
US.....	7,412.1	103	7,355.8	108	7,229.7	106

<sup>1</sup> Lamb crop defined as lambs born in the native States and lambs docked or branded in the Western States.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 439

<sup>1</sup> Includes shearing at commercial feeding yards.

<sup>2</sup> For Texas and California, the weight per fleece is the amount of wool shorn per sheep and lamb during the year.

<sup>3</sup> Production multiplied by annual average price.

<sup>4</sup> Preliminary.

<sup>5</sup> Price per pound calculated by weighting monthly prices by monthly sales of wool for footnoted States. The prices for remaining States are annual averages.

<sup>6</sup> U.S. average price per pound derived using unrounded value and production.

National Agricultural Statistics Service.



**Table 425.—Sheep and lambs: Production, disposition, cash receipts, and gross income, United States, 1973–87**

Year	Lamb crop <sup>1</sup>	Marketings <sup>2</sup>		Inshipments	Farm slaughter	Quantity produced (live weight) <sup>3</sup>
		Sheep	Lambs			
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 pounds
1973.....	11,500	2,198	10,879	3,275	202	895,776
1974.....	10,509	2,172	9,888	2,629	217	806,755
1975.....	9,857	1,812	9,039	2,349	212	785,394
1976.....	8,888	1,495	8,120	2,469	202	733,026
1977.....	8,573	1,450	7,361	2,148	198	706,395
1978.....	7,927	1,439	6,529	2,148	174	686,869
1979.....	7,974	1,347	6,336	2,143	172	704,593
1980.....	8,257	1,395	6,743	2,216	166	746,343
1981.....	8,820	1,510	7,103	1,885	189	772,382
1982.....	8,580	2,124	7,358	2,115	195	785,425
1983.....	8,209	1,820	7,104	1,838	171	767,553
1984.....	7,788	1,821	7,007	1,859	141	694,116
1985.....	7,412	1,569	6,478	1,693	135	694,217
1986.....	7,356	1,310	6,084	1,792	128	721,464
1987 <sup>4</sup> .....	7,230	1,276	6,157	1,991	112	741,805

  

Year	Value of production	Cash receipts for sales of sheep, lambs, and mutton and lamb <sup>5</sup>	Value of sheep and lambs slaughtered for home consumption	Gross income <sup>6</sup>	Average price per 100 pounds received by farmers	
					Sheep	Lambs
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Dollars	Dollars
1973.....	293,732	389,585	6,895	396,480	12.90	35.10
1974.....	272,048	368,747	7,870	376,617	11.20	37.00
1975.....	303,328	385,804	8,470	394,274	11.30	42.10
1976.....	315,581	393,101	9,173	402,274	13.10	46.90
1977.....	320,323	386,372	9,866	396,238	13.50	51.30
1978.....	381,621	452,935	11,223	464,158	21.80	62.80
1979.....	406,766	470,387	11,774	482,161	26.30	66.70
1980.....	402,689	470,782	11,636	482,418	21.30	63.60
1981.....	359,085	416,081	12,334	428,415	21.20	54.90
1982.....	355,703	445,134	13,000	458,134	19.50	53.10
1983.....	356,690	426,356	10,599	436,955	15.70	53.90
1984.....	376,512	466,528	11,129	477,657	16.40	60.10
1985.....	427,805	503,202	12,768	515,970	23.90	67.70
1986.....	443,899	483,768	12,709	496,477	25.60	69.00
1987 <sup>4</sup> .....	498,926	560,412	12,004	572,416	29.50	77.60

<sup>1</sup> Lamb crop defined as lambs born in the native States, plus lambs docked or branded in the Western States for the period Oct. 1 through Sept. 30. <sup>2</sup> Includes animals custom slaughtered for use on farms where produced, but excludes interfarm sales within the State. <sup>3</sup> Adjustments made for changes in inventory and for inshipments. <sup>4</sup> Preliminary. <sup>5</sup> Receipts from marketings and sale of farm-slaughtered meat. <sup>6</sup> Cash receipts from sales of sheep, lambs, and mutton and lamb plus value of sheep and lambs slaughtered for home consumption.

Source: National Agricultural Statistics Service.

**Table 426.—Sheep and lambs: Average price per 100 pounds at San Angelo, 1973–87 <sup>1</sup>**

Year	Sheep			Slaughter lambs			
	Good	Utility	Cull	Shorn		Spring	
				Prime	Choice	Prime	Choice
1973.....	16.55	15.50	14.09	37.37	36.88	40.13	39.09
1974.....	15.40	13.16	10.81	40.80	40.06	43.12	40.98
1975.....	15.34	13.08	10.80	45.30	44.69	47.75	45.10
1976.....	17.69	14.56	11.40	50.20	49.81	54.74	53.27
1977.....	19.12	15.92	12.73	52.22	53.54	56.46	54.68
1978.....	28.39	23.85	19.18	.....	65.56	74.82	71.19
1979.....	30.20	27.48	22.68	.....	69.35	.....	73.55
1980.....	24.16	20.02	16.14	.....	64.41	70.50	68.18
1981.....	26.26	22.25	17.98	.....	56.73	.....	64.42
1982.....	21.80	17.80	13.77	.....	57.12	.....	64.25
1983.....	16.85	13.61	10.56	.....	56.47	.....	60.70
1984.....	20.04	15.58	11.49	.....	61.30	.....	62.84
1985.....	34.02	28.87	21.61	66.88	68.06	71.47	71.30
1986.....	35.10	28.20	20.44	66.95	66.95	73.06	73.06
1987.....	38.62	31.23	23.87	77.36	77.36	82.64	82.52

See footnotes on page 288.

**Table 427.—Sheep and lambs: Production, disposition, cash receipts, and gross income, by States, 1987 (preliminary)**

State	Marketings <sup>1</sup>		Shipped in	Slaughter on farms <sup>2</sup>	Quantity produced (live weight) <sup>3</sup>	Value of production	Cash receipts from sales of sheep, lambs, and mutton and lamb <sup>4</sup>	Value of sheep and lambs slaughtered for home consumption	Gross income <sup>5</sup>
	Sheep	Lambs							
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AK.....	0.1	0	0	0.2	32	17	13	6	17
AZ.....	63	117	95	14	12,540	6,029	10,369	405	10,974
CA.....	58	1,017	615	13	95,454	69,190	94,663	1,305	95,968
CO.....	54	374	330	2	45,789	30,721	35,810	239	36,049
CT.....	2.3	6	0	2	724	549	554	59	613
ID.....	38	252	39	2	30,560	20,711	21,668	130	21,798
IL.....	15	97	33	3	7,860	5,585	7,261	793	8,054
IN.....	17	56	1	2	6,785	4,034	4,339	249	4,588
IA.....	10	304	83	1	33,451	23,003	26,030	73	26,103
KS.....	19	151	75	1	17,937	12,803	13,417	287	13,704
KY.....	6.3	17.7	6	5	2,667	1,605	1,684	66	1,750
LA.....	8	5.5	0	2.1	691	483	295	188	483
ME.....	4.7	9.3	0	5	1,255	903	858	96	954
MD.....	3	9	4	1	1,982	957	645	137	782
MA.....	3.3	5.6	0	7	951	675	524	140	664
MI.....	11	65	2	1	8,755	5,894	5,813	248	6,061
MN.....	29	1,495	42	1.5	18,020	12,385	13,878	170	14,048
MO.....	14	72.1	3	9	7,985	5,492	5,918	180	6,098
MT.....	87	282	35	1	35,362	22,689	23,226	133	23,459
NE.....	22	152	87	1	12,933	8,880	12,702	141	12,843
NV.....	2	56	18	3	6,476	4,027	4,471	158	4,629
NH.....	3	6.7	0	1	845	616	569	16	585
NJ.....	5	6.3	2	1.5	1,246	633	284	397	681
NM.....	67	170	29	23	19,319	13,243	14,650	1,791	16,441
NY.....	14	24	2	1	3,666	1,960	2,047	130	2,177
NC.....	1.3	5.2	0	1.8	715	417	294	137	431
ND.....	37	125	22	1	13,746	8,860	10,497	172	10,669
OH.....	58	145	6	4	17,060	12,067	13,533	235	13,768
OK.....	4	54	32	2	6,054	3,709	4,076	289	4,365
OR.....	22	240	55	7	36,765	23,875	21,128	1,043	22,171
PA.....	15	35	0	3	6,484	3,911	3,246	379	3,625
SD.....	64	428	70	3	54,455	40,697	44,582	379	44,961
TN.....	3.3	5	1	2	647	374	472	11	483
TX.....	313	802	158	1	115,875	79,095	86,642	140	86,782
UT.....	24.5	322.5	19	3	36,173	23,591	23,811	271	24,082
VT.....	5.1	7	0	9	1,073	745	664	204	868
VA.....	34	82	7	1	9,791	5,952	7,637	169	7,806
WA.....	5	44	10	1	6,487	3,738	3,769	111	3,880
WV.....	14	42	0	2	5,685	3,436	3,066	267	3,333
WI.....	16	55	2	1	3,639	4,707	4,970	185	5,155
WY.....	111	360	108	3	49,893	30,843	30,236	278	30,514
US.....	1,276	6,157	1,991	112	741,805	498,926	560,412	12,004	572,416

<sup>1</sup> Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

<sup>3</sup> Adjustments made for changes in inventory and for inshipments.

<sup>4</sup> Receipts from marketings and sale of farm-slaughter.

<sup>5</sup> Cash receipts from sales of sheep, lambs, and mutton and lamb plus value of sheep and lambs slaughtered for home consumption.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 426

<sup>1</sup> Simple average of monthly bulk-of-sales prices from data of the livestock reporting service. Agricultural Marketing Service.

Table 428.—Sheep and lambs: Receipts at selected public stockyards, 1973–87 <sup>1</sup>

Year	Denver	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting <sup>2 3</sup>
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
1973.....	(*) 12	36	97	41	67	243	102	1,779	2,377	
1974.....	10	29	88	35	52	254	98	1,679	2,245	
1975.....	7	22	81	29	41	247	81	1,394	1,902	
1976.....	5	19	76	28	36	218	55	1,325	1,707	
1977.....	4	14	73	25	36	165	47	1,247	1,611	
1978.....	2	12	51	22	19	126	29	993	1,254	
1979.....	1	14	54	18	20	126	23	1,037	1,293	
1980.....	1	21	52	16	17	146	24	1,034	1,314	
1981.....	1	20	44	17	17	146	25	1,033	1,303	
1982.....	(*) 21	21	33	21	18	137	24	1,176	1,430	
1983.....		17	24	22	21	131	18	1,072	1,305	
1984.....		15	21	22	19	116	12	1,093	1,298	
1985.....		12	15	18	13	105	8	794	965	
1986.....		8	14	15	9	87	10	738	881	
1987.....		5	13	14	7	74	18	767	898	

<sup>1</sup> Total rail and truck receipts unloaded at public stockyards. Saleable receipts only, 1978.

<sup>2</sup> Rounded totals of complete figures.

<sup>3</sup> The number of stockyards reporting varies from 41 to 68.

<sup>4</sup> Data no longer reported.

Agricultural Marketing Service. Compiled from reports received from stockyard companies.

Table 429.—Sheep and lambs: Number slaughtered commercially, total and average live weight, by States, 1987 <sup>1</sup>

State	Number slaughtered	Total live weight	Average live weight	State	Number slaughtered	Total live weight	Average live weight
	Thousands	1,000 pounds	Pounds		Thousands	1,000 pounds	Pounds
AL.....	0.2	17	88	N ENG <sup>2</sup> .....	32.3	3,071	95
AZ.....	1.8	183	103	NJ.....	40.6	3,983	98
AR.....	.8	81	101	NM.....	65.9	7,827	119
CA.....	883.4	109,310	124	NY.....	65.5	6,423	98
CO.....	1,117.1	136,034	122	NC.....	.9	78	83
DE and MD.....	18.1	1,903	105	ND.....	.8	91	117
FL.....	.6	42	73	OH.....	23.9	2,346	98
GA.....	1.0	100	104	OK.....	2.2	272	122
HI.....	.1	14	94	OR.....	7.0	822	118
ID.....	4.8	525	109	PA.....	105.2	11,284	107
IL.....	334.3	37,925	113	SC.....	.3	28	100
IN.....	11.0	1,223	111	SD.....	87.0	10,767	124
IA.....	497.5	63,119	127	TN.....	1.9	246	128
KS.....	405.4	51,229	126	TX.....	515.2	56,741	110
KY.....	9.6	1,152	120	UT.....	25.6	2,860	112
LA.....	5.7	488	85	VA.....	148.4	16,313	110
MI.....	217.1	25,007	115	WA.....	156.7	18,498	118
MN.....	380.7	45,301	119	WV.....	.6	61	107
MO.....	13.7	1,462	107	WI.....	6.9	767	111
MT.....	2.9	310	108	WY.....	1.7	207	121
NE.....	2.9	358	121	US.....	5,199.6	618,670	119
NV.....	2.1	253	118				

<sup>1</sup> Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms.

<sup>2</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.

Table 430.—Sheep and lambs: Number slaughtered, United States, 1973-87

Year	Commercial			Farm	Total	Year	Commercial			Farm	Total
	Federally inspected	Other	Total <sup>1</sup>				Federally inspected	Other	Total <sup>1</sup>		
	Thousands	Thousands	Thousands	Thousands	Thousands		Thousands	Thousands	Thousands	Thousands	Thousands
1973.....	9,234	363	9,597	202	9,799	1981.....	5,789	219	6,008	189	6,197
1974.....	8,556	291	8,847	217	9,064	1982.....	6,273	175	6,449	195	6,644
1975.....	7,552	283	7,835	212	8,047	1983.....	6,412	207	6,619	171	6,790
1976.....	6,474	240	6,714	202	6,916	1984.....	6,549	210	6,759	141	6,900
1977.....	6,133	223	6,356	198	6,554	1985.....	5,976	189	6,165	135	6,300
1978.....	5,169	200	5,369	174	5,543	1986.....	5,464	171	5,635	127	5,762
1979.....	4,833	184	5,017	172	5,189	1987.....	5,042	158	5,200	112	5,312
1980.....	5,363	216	5,579	166	5,745						

<sup>1</sup> Totals are based on unrounded numbers.

National Agricultural Statistics Service.

Table 431.—Sheep and lambs: Number slaughtered, average dressed and live weights, percentage distribution, by class, Federally inspected and commercial, 1973-87<sup>1</sup>

Year	Federally inspected									Commercial		
	Lambs and yearlings			Mature sheep			Total			All sheep and lambs		
	Number head	Pct. of total	Avg. dressed weight	Number head	Pct. of total	Avg. dressed weight	Number head	Avg. dressed weight	Avg. live weight	Number head	Avg. dressed weight	Avg. live weight
Thousands	Percent	Pounds	Thousands	Percent	Pounds	Thousands	Pounds	Pounds	Thousands	Pounds	Pounds	
1973.....	8,426	91.2	.....	808	8.8	.....	9,234	53	108	9,597	53	107
1974.....	7,987	93.3	.....	569	6.7	.....	8,556	52	105	8,847	52	105
1975.....	6,993	92.6	.....	558	7.4	.....	7,552	51	109	7,835	51	104
1976.....	6,058	93.6	.....	416	6.4	.....	6,474	54	108	6,714	54	109
1977.....	5,643	92.0	54	489	8.0	55	6,133	54	108	6,356	54	108
1978.....	4,810	93.1	57	359	6.9	56	5,169	56	113	5,369	56	112
1979.....	4,499	93.1	57	334	6.9	55	4,833	57	114	5,017	57	114
1980.....	4,970	92.7	56	393	7.3	53	5,363	56	112	5,579	56	112
1981.....	5,388	93.1	55	401	6.9	53	5,789	55	110	6,008	54	110
1982.....	5,820	92.8	56	454	7.2	53	6,273	56	111	6,449	56	111
1983.....	5,933	92.5	56	479	7.5	54	6,412	56	113	6,619	56	112
1984.....	6,035	92.2	56	513	7.8	54	6,549	56	111	6,759	56	111
1985.....	5,578	93.3	58	399	6.7	56	5,976	57	115	6,165	57	114
1986.....	5,154	94.3	59	310	5.7	57	5,464	59	118	5,635	59	117
1987.....	4,771	94.6	60	271	5.4	59	5,042	60	120	5,200	60	119

<sup>1</sup> All percents and weights calculated using unrounded totals.

National Agricultural Statistics Service.

**Table 432.—Livestock: Average price per 100 pounds received by farmers, by States, 1986 and 1987**

State	Cows <sup>1</sup>		Steers and heifers		Beef cattle <sup>2</sup>		Calves	
	1986	1987	1986	1987	1986	1987	1986	1987
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	34.00	42.20	50.50	62.80	43.00	53.30	56.90	74.40
AK.....	45.00	55.00	65.00	69.00	60.00	66.20	70.00	73.00
AZ.....	35.00	42.60	55.20	64.60	51.90	61.00	58.60	74.90
AR.....	35.20	42.90	54.90	67.90	45.20	55.30	60.70	78.10
CA.....	35.30	44.00	54.30	64.50	46.70	56.30	53.70	71.60
CO.....	36.70	45.90	58.70	67.40	57.00	66.00	66.20	82.50
CT.....	36.10	43.00	43.00	52.00	42.00	50.00	53.00	63.00
DE.....	36.80	43.30	51.10	60.10	46.10	54.20	57.90	67.80
FL.....	34.70	42.70	49.80	62.70	38.10	47.60	60.20	79.20
GA.....	34.50	42.40	48.60	61.20	40.60	51.10	54.50	71.70
HI.....	28.30	30.60	43.10	46.70	39.50	43.50	44.00	49.00
ID.....	33.80	42.00	54.80	63.40	49.90	59.10	59.40	77.80
IL.....	35.10	42.40	57.10	64.10	55.90	63.00	75.50	93.00
IN.....	35.40	42.20	52.80	61.00	47.60	55.40	54.80	68.90
IA.....	35.40	43.00	57.00	64.40	53.70	61.80	61.50	75.30
KS.....	36.40	45.00	58.00	65.90	56.80	64.80	63.90	79.00
KY.....	33.90	40.80	52.80	64.90	45.90	55.20	57.30	73.90
LA.....	35.30	42.30	51.80	64.60	39.50	48.10	59.10	78.80
ME.....	37.00	43.00	43.00	52.00	42.00	50.00	49.00	62.00
MD.....	36.80	43.30	51.10	60.10	46.10	54.20	57.90	67.80
MA.....	36.00	43.00	43.00	52.00	42.00	50.00	53.00	63.00
MI.....	35.20	42.80	51.80	59.50	44.50	52.50	55.00	71.90
MN.....	35.40	42.60	54.30	62.50	49.20	58.10	58.30	78.30
MS.....	34.40	41.70	50.90	63.40	39.00	47.70	59.70	78.70
MO.....	36.90	44.10	57.30	69.00	50.80	61.40	60.80	75.70
MT.....	35.90	44.20	57.90	70.30	49.30	61.10	62.60	80.70
NE.....	36.20	44.20	58.20	65.40	57.10	64.50	66.80	82.30
NV.....	33.80	41.10	51.90	62.10	45.50	54.90	59.00	66.70
NH.....	37.00	43.00	43.00	52.00	42.00	50.00	48.00	62.00
NJ.....	34.00	41.30	47.50	55.60	35.90	43.20	61.60	76.20
NM.....	35.30	43.10	55.70	67.90	48.50	51.20	65.40	84.50
NY.....	33.60	40.70	41.80	49.60	34.20	41.40	57.80	77.50
NC.....	36.50	44.70	46.60	58.60	41.50	51.50	55.50	70.60
ND.....	35.10	43.60	57.00	70.00	51.30	64.10	63.50	81.60
OH.....	35.30	42.50	54.10	62.50	50.00	58.60	56.30	73.10
OK.....	35.90	42.80	57.30	68.90	50.50	57.60	62.10	79.30
OR.....	33.60	42.70	53.50	67.10	45.50	57.80	57.90	76.00
PA.....	35.10	42.30	52.50	62.10	45.40	55.10	65.10	83.10
RI.....	36.00	43.00	43.00	52.00	42.00	50.00	53.00	63.00
SC.....	36.80	43.60	49.60	62.40	40.60	48.30	56.00	76.10
SD.....	36.80	44.30	57.20	67.10	52.60	62.50	66.90	84.40
TN.....	33.90	41.30	51.70	63.60	42.50	52.20	56.30	72.60
TX.....	36.40	43.90	57.00	66.30	53.50	62.10	60.60	78.70
UT.....	34.00	42.40	55.20	63.50	53.30	61.80	62.10	79.40
VT.....	35.00	43.00	43.00	52.00	41.00	50.00	48.00	62.00
VA.....	32.90	41.10	53.10	65.10	46.80	55.90	55.50	71.10
WA.....	34.30	42.70	55.90	63.60	53.20	61.00	52.90	76.00
WV.....	30.70	39.90	53.10	65.00	46.40	57.50	56.20	68.70
WI.....	35.50	43.00	50.10	58.00	42.90	50.80	85.70	108.00
WY.....	39.00	49.10	58.80	72.20	52.40	64.30	67.30	85.30
US.....	35.50	43.20	56.70	65.30	52.60	61.10	61.10	78.50

See footnotes at end of table.

**Table 432.—Livestock: Average price per 100 pounds received by farmers, by States, 1986 and 1987—Continued**

State	Hogs <sup>3</sup>		Lambs		Sheep	
	1986	1987	1986	1987	1986	1987
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	48.00	49.80				
AK.....	51.00	70.00	75.00	75.00	30.00	30.00
AZ.....	54.70	57.10	64.60	74.80	15.30	21.40
AR.....	45.80	47.40				
CA.....	52.20	58.80	68.60	74.90	23.20	25.10
CO.....	51.30	53.80	67.60	74.60	28.30	32.00
CT.....	46.00	49.00	101.00	93.00	41.00	39.00
DE.....	48.40	50.10				
FL.....	45.50	48.90				
GA.....	50.50	52.30				
HI.....	76.10	75.70				
ID.....	48.10	50.30	65.10	74.10	21.20	24.00
IL.....	48.30	50.70	67.60	75.50	21.00	23.70
IN.....	49.50	50.50	65.20	70.40	26.80	27.50
IA.....	49.50	51.90	69.80	74.80	28.30	29.60
KS.....	47.80	50.10	67.40	74.50	25.50	30.40
KY.....	49.90	51.70	68.00	75.00	20.00	23.00
LA.....	43.50	44.90	70.00	80.00	28.00	33.00
ME.....	46.00	49.00	98.00	87.00	41.00	39.00
MD.....	48.40	50.10	67.40	75.90	22.00	25.30
MA.....	46.00	49.00	104.00	95.00	41.00	39.00
MI.....	48.30	50.00	67.50	75.00	21.50	25.00
MN.....	50.70	51.80	69.10	75.60	23.80	24.60
MS.....	50.70	51.10				
MO.....	49.20	50.70	68.00	76.00	30.50	37.00
MT.....	42.10	45.80	67.20	80.50	22.70	27.40
NE.....	50.10	51.60	68.90	77.70	26.30	29.40
NV.....	42.20	44.30	69.00	71.30	22.40	25.70
NH.....	46.00	49.00	98.00	91.00	41.00	39.00
NJ.....	47.60	50.50	65.10	58.80	34.90	42.40
NM.....	50.30	50.20	70.80	83.30	31.50	33.90
NY.....	47.20	49.10	71.20	76.50	26.60	30.10
NC.....	49.80	51.30	67.00	69.00	24.00	28.00
ND.....	47.60	47.90	67.80	78.20	21.80	24.80
OH.....	49.50	51.00	68.00	77.10	37.30	33.30
OK.....	49.70	49.50	67.60	76.10	21.40	22.50
OR.....	50.80	53.20	65.90	75.80	18.60	23.30
PA.....	50.30	52.00	70.30	79.50	24.00	26.40
RI.....	46.00	49.00				
SC.....	49.70	51.20				
SD.....	48.80	51.40	70.40	84.50	27.60	34.90
TN.....	45.70	50.40	67.80	81.80	21.00	28.50
TX.....	47.30	50.60	71.60	84.80	27.30	33.00
UT.....	47.00	47.70	65.30	71.60	21.30	21.40
VT.....	46.00	49.00	90.00	87.00	41.00	39.00
VA.....	48.80	50.10	68.00	77.00	20.00	22.00
WA.....	48.00	50.00	65.50	74.40	14.90	24.00
WV.....	48.00	52.50	66.50	74.10	19.30	23.70
WI.....	48.30	50.10	68.30	74.10	21.10	24.50
WY.....	49.50	50.80	67.50	86.70	25.00	27.50
US.....	49.30	51.20	69.00	77.60	25.60	29.50

<sup>1</sup> Includes cull dairy cows sold for slaughter, but not cows for dairy herd replacement.

<sup>2</sup> Weighted average of prices for cows, and for steers and heifers.

<sup>3</sup> December of preceding year through November.

National Agricultural Statistics Service.

**Table 433.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, value of production, pulled wool production, exports, imports, total new supply of apparel wool, and imports of carpet wool, United States, 1973-87**

Year	Sheep and lambs shorn <sup>1</sup>	Weight per fleece	Shorn wool production	Price per pound <sup>2</sup>	Value of production <sup>3</sup>	Pulled wool production	
						Average weight per skin	Total
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>Pounds</i>	<i>1,000 pounds</i>
1973.....	17,425	8.25	143,738	82.7	118,839	3.49	8,000
1974.....	15,956	8.23	131,382	59.2	77,788	3.31	5,700
1975.....	14,403	8.30	119,535	44.8	53,505	3.35	6,000
1976.....	13,536	8.21	111,100	66.0	73,332	3.34	4,850
1977.....	13,217	8.12	107,328	72.0	77,276	3.30	2,450
1978.....	12,719	8.09	102,942	74.5	76,690	3.15	1,000
1979.....	13,069	8.02	104,867	86.3	90,536	3.20	900
1980.....	13,263	7.95	105,419	88.1	92,846	3.10	1,050
1981.....	13,493	8.14	109,787	94.4	103,665	3.05	1,150
1982.....	13,199	8.04	106,129	68.6	72,782	(*)	(*)
1983.....	12,865	8.00	102,886	61.2	62,978		
1984.....	12,284	7.77	95,471	79.5	75,876		
1985.....	11,158	7.88	87,941	63.3	55,657		
1986.....	10,852	7.82	84,829	66.8	56,595		
1987 <sup>5</sup> .....	11,027	7.78	85,757	91.7	78,156		

Year	Total wool production <sup>5</sup>	Raw wool supply (clean)				Total new supply <sup>9</sup>
		Domestic production <sup>7</sup>	Exports <sup>8</sup>	Imports for consumption		
				Dutiable	Duty free	
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1973.....	151,738	81,726	3,726	19,601	40,524	138,125
1974.....	137,082	73,525	4,271	11,799	15,148	96,201
1975.....	125,535	67,488	7,674	16,605	17,021	93,440
1976.....	115,950	62,197	1,130	38,387	19,076	118,530
1977.....	109,778	58,455	385	36,303	22,655	117,028
1978.....	103,942	55,082	425	27,000	23,404	105,061
1979.....	105,767	56,022	313	20,283	22,047	98,039
1980.....	106,469	56,426	304	30,491	25,992	112,605
1981.....	110,937	58,806	307	48,106	26,145	132,750
1982.....	106,129	56,036	1,351	39,988	21,433	116,106
1983.....	102,886	54,324	1,014	49,371	28,688	131,369
1984.....	95,471	50,409	488	63,271	30,905	144,097
1985.....	87,941	46,433	1,415	50,164	29,308	124,490
1986.....	84,829	44,790	788	66,090	30,901	140,993
1987 <sup>5</sup> .....	85,757	45,280	1,037	74,054	31,066	149,363

<sup>1</sup> Includes sheep shorn at commercial feeding yards.

<sup>2</sup> Price computed by weighting State average prices for all wool sold during the year by sales of shorn wool.

<sup>3</sup> Production by States multiplied by annual average price.

<sup>4</sup> Estimates discontinued in 1982.

<sup>5</sup> Preliminary.

<sup>6</sup> Beginning 1982, shorn wool only.

<sup>7</sup> Conversion factors from grease basis to clean basis are as follows: Shorn wool production—52.8 percent (Stat. Bull. 616) from 1973-1986; pulled wool production—72.9 percent.

<sup>8</sup> Includes carpet wool exports.

<sup>9</sup> Production minus exports plus imports; stocks not taken into consideration.

Economic Research Service and National Agricultural Statistics Service. Imports and exports from reports of the U.S. Department of Commerce.

Table 434.—Wool: Price-support operations, United States, 1973-87

Marketing year	Shorn wool price per pound		Payment rate		Marketings covered by payments <sup>3</sup>		Amount of payments <sup>4</sup>		
	Support	Season average received by producers	Average for shorn wool per pound <sup>1</sup>	Unshorn lambs per cwt. <sup>2</sup>	Shorn wool	Unshorn lambs	Shorn wool	Unshorn lambs	Total
1973	72	82.7							
1974	72	59.1	12.9	52	95	613	11.6	2.9	14.5
1975	72	44.7	27.3	109	135	571	35.1	5.7	40.8
1976	72	65.7	6.3	25	96	471	5.8	1.2	7.0
1977	99	72.0	27.0	108	96	424	24.3	4.6	28.9
1978	108	74.5	33.5	134	92	386	29.6	5.2	34.8
1979	115	86.3	28.7	115	95	392	26.3	4.5	30.8
1980	123	88.1	34.9	140	96	388	32.0	5.5	37.5
1981	135	94.5	40.5	162	104	444	40.3	6.7	47.0
1982	137	68.4	68.6	274	88	515	59.2	12.5	71.7
1983	153	61.3	91.7	367	114	550	99.2	17.5	116.7
1984	165	79.5	85.5	342	94	536	76.3	15.7	92.0
1985	165	63.3	101.7	407	85	532	82.7	18.6	97.2
1986	178	66.8	111.2	445	81	601	86.2	20.7	102.0
1987	181	91.7	97.4	357	79	620	67.7	16.9	79.1

<sup>1</sup> Average needed to bring the return up to the support level. The payment to an individual producer is computed by applying the announced percentage to his receipts from marketing of shorn wool.

<sup>2</sup> For unshorn lambs sold.

<sup>3</sup> Unadjusted for weight of unshorn lambs produced.

<sup>4</sup> Payments for wool marketed during the year shown are made after Mar. 31 of the following year.

Agricultural Stabilization and Conservation Service.

Table 435.—Wool: Average price per pound, clean basis, delivered to United States mills, 1973-87

Year	Territory <sup>1</sup>		Fleece % blood good French combing and staple <sup>2</sup>	Australian 64's good topmaking (in bond, American yield)
	Fine good French combing and staple	% blood good French combing and staple		
	Cents	Cents	Cents	Cents
1973 <sup>3</sup>	250	167	159	330
1974	176	126	119	243
1975	150	96	86	206
1976 <sup>4</sup>	182	143	136	218
1977	183	161	158	222
1978	189	169	164	234
1979	218	182	175	277
1980	245	195	186	309
1981	278	185	177	316
1982	247	152		300
1983	212	133		274
1984	229	172		278
1985	192	136		259
1986	191	139		248
1987	265	168		367

<sup>1</sup> Wool grown in the range areas of Oregon, Washington, the intermountain States (including Arizona and New Mexico) and parts of the Dakotas, Kansas, Nebraska, and Oklahoma. These wools vary considerably in shrinkage and color.

<sup>2</sup> Most wool grown in the farm areas of the Dakotas, Nebraska, Kansas, Oklahoma, and parts of Minnesota, Wisconsin, Iowa, and Missouri is somewhat dark in color and of moderately heavy shrinkage. Most of that grown in the States which are east of the Mississippi River and in parts of Minnesota, Iowa, and Missouri is bright in color and of relatively light shrinkage.

<sup>3</sup> Beginning January 1973 reported as Australia Type 62-64's.

<sup>4</sup> Before January 1976 the unit designation terminology for wool prices changed to microns. For example 64's (20.60-22.04 microns) formerly was fine good French combing and staple. Two designations 56's (26.40-27.84 microns) and 58's (24.95-26.39 microns) have been averaged in the price data shown here and together were formerly the category fleece % blood good French combing and staple.

Economic Research Service.



**Table 436.—Wool: Mill consumption, by grades, on the woolen and worsted systems, scoured basis, United States, 1978-87 <sup>1</sup>**

Item	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987 <sup>2</sup>
Apparel wool: <sup>3</sup>										
Woolen system: <sup>4</sup>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
60's and finer.....	24.4	29.0	28.2	35.2	23.8	30.5	32.9	28.0	34.1	32.4
50's up to 60's <sup>5</sup> .....	28.6	28.3	28.8	29.3	24.6	30.2	32.3	27.7	32.2	28.6
48's and coarser.....										
Total.....	53.0	57.4	57.0	64.5	48.4	60.7	65.2	55.7	66.3	61.0
Worsted system:										
60's and finer.....	32.7	30.1	35.5	41.2	36.2	42.4	39.7	33.6	41.7	53.8
Coarser than 60's.....	16.5	19.1	20.9	22.0	21.3	23.6	24.1	16.7	18.8	14.9
Total.....	49.2	49.2	56.4	63.3	57.5	66.0	63.8	50.3	60.5	68.7
Total apparel:										
60's and finer.....	57.2	59.2	63.8	76.4	60.0	72.9	72.6	61.6	75.8	86.2
Coarser than 60's.....	45.1	47.4	49.6	51.4	45.9	53.8	56.4	44.4	51.0	43.5
Total.....	102.2	106.5	113.4	127.8	105.9	126.7	129.0	106.0	126.8	129.7
Carpet wool <sup>6</sup> .....	13.0	10.5	10.0	10.9	9.8	13.9	13.1	10.6	10.0	13.1
Total mill.....	115.2	117.0	123.4	138.7	115.7	140.6	142.1	116.6	136.8	142.8

<sup>1</sup> Scoured wool, plus greasy wool converted to a scoured basis, using assumed average yields. Includes both pulled and shorn, foreign and domestic wool. Wool was considered as consumed (1) on the woolen system when laid in mixes and (2) on the worsted system as the sum of top and noil production.

<sup>2</sup> Preliminary.

<sup>3</sup> Domestic and duty-paid foreign.

<sup>4</sup> Excludes wool consumed on the cotton system and in the manufacture of felt, hat bodies, and other miscellaneous products.

<sup>5</sup> Beginning 1978, 50's up to 60's and 48's and coarser combined.

<sup>6</sup> Duty-free foreign.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 437.—Wool: United States imports (for consumption), clean content, by grades, 1977-87 <sup>1</sup>**

Grade	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987 <sup>2</sup>
Dutiable: <sup>3</sup>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
56's and finer <sup>4</sup> .....	27.1	19.8	14.1	27.2	39.7	32.2	41.6	50.3	40.8	54.0	64.1
46's to 56's <sup>5</sup> .....	3.2	7.2	6.2	3.3	8.4	7.8	7.8	13.0	9.4	12.1	9.0
40's to 46's <sup>6</sup> .....	1.5										
Not finer than 40's.....	4.2										
Named and similar wools.....	.3										
Total.....	36.3	27.0	20.3	30.5	48.1	40.0	49.4	63.3	50.2	66.1	74.0
Duty-free: <sup>3</sup>											
Named and similar wools.....	1.2	1.6	2.0	1.8	3.3	1.8	.5	.4	.6	.9	1.2
Other											
Not finer than 40's.....	16.9	12.8	10.2	10.1	8.0	7.4	8.8	7.8	6.2	7.2	9.1
40's to 44's.....	3.8	4.7	5.6	7.9	5.9	5.1	5.8	6.0	6.9	9.2	13.9
44's to 46's <sup>7</sup> .....	.8	4.3	4.2	6.3	9.0	8.1	13.6	16.7	15.6	13.6	6.9
Total.....	22.7	23.4	22.0	26.0	26.2	21.4	28.7	30.9	29.3	30.9	31.1
Grand total.....	59.0	50.4	42.3	56.5	74.3	61.4	78.1	94.2	79.5	97.0	105.1

<sup>1</sup> Wool not advanced in any manner or by any process of manufacture beyond washed, scoured, or carbonized condition. <sup>2</sup> Preliminary. <sup>3</sup> Beginning November 1977 duty-free wools include and are limited to all 46's and coarser grades of wool by Public Law 95-162. Beginning January 1978 Bureau of Census data combined duty-free 46's and dutiable 48's wools. In recent years prior to the combination, imports of 48's were negligible compared with 46's. <sup>4</sup> Finer than 58's beginning in 1978. <sup>5</sup> 50's through 58's beginning in 1978. <sup>6</sup> Beginning in November 1977 duties were suspended through June 30, 1980. <sup>7</sup> Beginning in 1978 through June 30, 1980 the totals include all wools grading 48's and coarser except for named wools.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 438.—Wool: United States imports (for consumption), clean content, by country of origin, 1978-87 <sup>1</sup>**

Country of origin	1978	1979	1980	1981	1982	1983	1984	1985	1986 <sup>2</sup>	1987 <sup>2</sup>
Dutiable:	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
Argentina .....	3.2	1.7	3.9	8.7	4.2	1.4	2.1	0.2	0.6	0.3
Australia .....	21.2	16.0	22.8	28.9	24.7	35.0	41.8	39.0	52.0	62.4
Canada .....	.1	.2	.2	.7	.2	.1	.3	.1	.3	.5
Chile .....	.1	.5	.5	.8	1.0	.3	.5	.5	.7	.6
New Zealand .....	1.6	.8	1.1	1.6	1.5	2.3	5.6	3.6	5.4	4.1
South Africa .....	.3	.4	.2	1.9	4.7	8.3	8.8	4.1	4.5	.....
United Kingdom .....	.2	.1	.1	.2	.1	.....	.2	.3	.3	.6
Uruguay .....	.3	.5	1.2	4.0	3.1	1.7	3.5	1.9	2.2	4.0
Other .....	.....	.1	.5	1.3	.5	.3	.5	.5	.1	1.5
Total .....	27.0	20.3	30.5	48.1	40.0	49.4	63.3	50.2	66.1	74.0
Duty-free:	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
Argentina .....	3.2	3.3	2.3	2.3	1.5	2.0	1.8	1.3	1.7	1.5
Australia .....	.1	.1	.3	.7	.3	.6	.7	.7	.7	.5
Canada .....	.1	.....	.....	.1	.2	.3	.5	.6	.8	.3
New Zealand .....	16.2	15.0	20.2	18.0	15.1	21.7	23.8	21.5	23.4	23.8
Uruguay .....	.....	.....	.....	.....	.1	.1	.1	.1	.1	.1
South Africa .....	.2	.2	.1	.2	.2	.4	.5	.2	.1	.....
United Kingdom .....	2.1	2.3	1.7	3.5	3.2	3.4	3.5	4.6	3.8	4.5
Other .....	1.6	1.1	1.4	1.3	.8	.2	.....	.3	.3	.4
Total .....	23.4	22.0	26.0	26.1	21.4	28.7	30.9	29.3	30.9	31.1
Grand total .....	50.4	42.3	56.5	74.3	61.4	78.1	94.2	79.5	97.0	105.1

<sup>1</sup> Wool not advanced in any manner or by any process of manufacture beyond washed, scoured, or carbonized condition.

<sup>2</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 439.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, and value of production, by States, 1985–87

State	Sheep and lambs shorn <sup>1</sup>			Weight per fleece <sup>2</sup>			Shorn wool production			Price per pound			Value of production <sup>3</sup>		
	1985	1986	1987 <sup>4</sup>	1985	1986	1987 <sup>4</sup>	1985	1986	1987 <sup>4</sup>	1985	1986	1987 <sup>4</sup>	1985	1986	1987 <sup>4</sup>
	Thousands	Thousands	Thousands	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds	Cents	Cents	Cents	1,000 dollars	1,000 dollars	1,000 dollars
AK.....	2.5	1.9	1.8	8.0	10.6	9.4	20	20	17	50	67	75	10	13	13
AZ <sup>5</sup> .....	276	305	269	7.0	7.0	7.2	1,925	2,055	1,930	51	53	69	982	1,089	1,332
CA <sup>5</sup> .....	1,133	1,088	1,065	7.6	7.6	7.5	8,647	8,229	8,021	63	66	87	5,448	5,431	6,978
CO <sup>5</sup> .....	815	810	954	6.7	6.6	6.6	5,487	5,331	6,265	62	68	93	3,402	3,625	5,826
CT.....	9.0	7.7	7.4	7.0	7.1	6.9	63	55	51	59	51	64	37	28	33
ID <sup>5</sup> .....	300	278	293	9.9	9.7	9.5	2,957	2,683	2,778	64	67	89	1,892	1,798	2,472
IL <sup>5</sup> .....	148	153	149	6.8	7.3	6.8	1,005	1,038	1,018	43	45	54	432	467	550
IN <sup>5</sup> .....	101	91	81	6.5	6.8	7.0	660	617	569	41	41	48	271	253	273
IA <sup>5</sup> .....	415	435	495	6.9	7.0	6.9	2,848	3,054	3,424	42	45	55	1,196	1,374	1,883
KS <sup>5</sup> .....	243	223	230	6.7	6.7	6.6	1,620	1,502	1,509	49	51	69	794	766	1,041
KY.....	26	30	34	7.0	6.8	6.9	182	203	235	45	44	52	82	89	122
LA.....	9.8	18	16	6.9	6.4	6.8	68	119	109	50	55	58	34	65	63
ME.....	16	15	14	7.3	7.2	7.5	117	108	105	69	59	72	81	64	76
MD.....	14	17	24	7.6	7.3	7.7	106	124	185	57	68	63	60	84	117
MA.....	10	12	15	7.1	7.1	7.1	71	85	107	62	59	79	44	50	85
MI <sup>5</sup> .....	104	100	95	7.5	7.6	7.6	775	764	722	44	46	55	341	351	397
MN <sup>5</sup> .....	240	230	241	7.0	6.5	6.8	1,675	1,530	1,623	44	45	57	689	689	925
MO <sup>5</sup> .....	102	101	118	7.0	7.1	7.0	711	715	830	43	46	57	306	329	473
MT <sup>5</sup> .....	526	500	525	10.6	10.5	9.9	5,587	5,225	5,193	67	74	102	3,743	3,867	5,297
NE <sup>5</sup> .....	195	175	170	7.3	6.8	7.2	1,415	1,263	1,231	49	51	62	693	644	763
NV <sup>5</sup> .....	78	76	83	10.2	10.0	10.0	796	760	830	62	68	95	494	517	789
NH.....	11	10	10	6.6	7.1	7.0	73	71	70	64	59	73	47	42	51
NJ.....	9.0	9.0	10	6.7	6.9	7.0	60	62	70	54	65	57	32	40	40
NM <sup>5</sup> .....	522	480	467	9.2	9.0	8.7	4,819	4,313	4,083	72	75	120	3,470	3,235	4,900
NY.....	54	53	58	7.2	7.1	7.2	389	376	417	52	59	71	202	222	296
NC.....	8.0	9.7	11	7.0	6.8	6.9	56	66	76	51	58	54	29	38	41
ND <sup>5</sup> .....	185	157	169	9.2	9.6	9.5	1,704	1,509	1,605	55	58	72	937	875	1,156
OH <sup>5</sup> .....	260	270	273	7.4	7.2	7.0	1,921	1,956	1,910	45	46	54	864	900	1,031
OK.....	85	90	100	7.6	7.1	7.0	646	700	700	50	54	69	323	378	483
OR <sup>5</sup> .....	450	435	450	6.5	6.5	6.4	2,924	2,825	2,876	55	61	71	1,608	1,723	2,042
PA.....	85	99	105	6.7	6.9	6.5	570	683	680	50	62	66	285	423	449
SD <sup>5</sup> .....	656	520	630	8.5	8.4	8.5	5,592	4,554	5,382	60	62	84	3,355	2,823	4,521
TN.....	8.8	10	11.4	6.5	6.4	6.5	57	65	74	52	61	57	30	40	42
TX <sup>5</sup> .....	2,250	2,260	2,200	7.2	7.3	7.4	16,200	16,400	16,300	82	81	121	13,284	13,284	19,723
UT <sup>5</sup> .....	498	468	440	9.6	10.0	9.8	4,793	4,668	4,320	61	66	93	2,924	3,081	4,018
VT.....	13	13	12	6.9	7.2	7.4	90	94	89	66	64	71	59	60	63
VA.....	145	219	151	5.5	5.0	5.9	798	1,104	892	57	60	62	455	662	553
WA.....	63	66	70	8.5	8.1	8.9	536	533	626	52	60	77	279	320	482
WV.....	74	79	77	5.8	5.8	5.6	429	458	431	58	65	62	249	298	267
WI.....	93	93	92	7.3	7.2	7.6	683	672	695	43	44	57	294	296	396
WY <sup>5</sup> .....	925	835	810	9.6	9.9	9.5	8,866	8,240	7,709	66	76	105	5,852	6,262	8,094
US.....	11,158.6	10,852	11,027	7.88	7.82	7.78	87,941	84,829	85,757	<sup>6</sup> 63.3	<sup>6</sup> 66.8	<sup>6</sup> 91.7	55,657	56,595	78,156

See footnotes on page 286.

**Table 440.—Goats and mohair: Number of goats clipped, mohair production, average price per pound received by farmers, and value of production, Texas, 1973-87 <sup>1</sup>**

Year	Goats clipped <sup>1</sup>	Average clip per goat	Mohair production	Price per pound	Value of production <sup>2</sup>
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	1,450	6.8	9,930	1.87	18,569
1974.....	1,175	7.1	8,400	1.37	11,508
1975.....	1,215	7.1	8,600	1.85	15,910
1976.....	1,100	7.4	8,100	2.97	24,067
1977.....	1,215	6.5	8,000	2.87	22,960
1978.....	1,188	6.8	8,100	4.59	37,179
1979.....	1,275	7.3	9,300	5.10	47,430
1980.....	1,240	7.1	8,800	3.50	30,800
1981.....	1,300	7.8	10,100	3.50	35,350
1982.....	1,330	7.5	10,000	2.55	25,500
1983.....	1,360	7.8	10,600	4.05	42,930
1984.....	1,450	7.7	11,200	4.30	48,160
1985.....	1,730	7.7	13,300	3.45	45,885
1986.....	2,000	8.0	16,000	2.51	40,160
1987.....	2,000	8.1	16,200	2.63	42,606

<sup>1</sup> The number clipped is the sum of goats and kids clipped in the spring and kids clipped in the fall.

<sup>2</sup> Production multiplied by price per pound.

National Agricultural Statistics Service.

**Table 441.—Mohair: Price-support operations, United States, 1973-87**

Marketing year	Price per pound		Average payment rate per pound <sup>1</sup>	Marketings covered by payments	Amount of payments <sup>2</sup>
	Support	Season average received by producers			
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Million dollars</i>
1973.....	80.2	137.0			
1974.....	80.2	137.0			
1975.....	80.2	185.0			
1976.....	80.2	297.0			
1977.....	149.8	287.0			
1978.....	164.7	459.0			
1979.....	194.3	510.0			
1980.....	290.3	350.0			
1981.....	371.8	350.0	21.8	8.3	1.9
1982.....	397.7	255.0	142.7	11.4	16.5
1983.....	462.7	405	57.7	11.5	6.3
1984.....	516.9	430	86.9	12.0	10.3
1985.....	443.0	345	98.0	13.0	12.2
1986.....	493.0	251	242.0	17.9	41.9
1987.....	495.0	263	357.0	15.8	34.6

<sup>1</sup> Average needed to bring the return up to the support level. The payment to an individual producer is computed by applying the announced percentage to his receipts from marketing of mohair.

<sup>2</sup> Payments for mohair marketed during the year shown are made after Mar. 31 of the following year. Agricultural Stabilization and Conservation Service.

Table 442.—Red meat and lard: Production, by class of slaughter, United States, 1973-87

Year	Commercial			Farm	Total	Commercial			Farm	Total
	Federal-ly inspected	Other	Total <sup>1</sup>			Federal-ly inspected	Other	Total <sup>1</sup>		
	Beef					Pork, excluding lard				
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1973.....	19,294	1,794	21,088	189	21,277	11,879	699	12,578	173	12,751
1974.....	20,987	1,907	22,844	294	23,138	12,856	727	13,583	222	13,805
1975.....	21,626	2,045	23,671	303	23,974	10,733	581	11,314	189	11,503
1976.....	23,726	1,941	25,667	302	25,969	11,699	519	12,219	196	12,415
1977.....	23,364	1,622	24,986	293	25,279	12,518	533	13,051	196	13,247
1978.....	22,623	1,387	24,010	232	24,242	12,689	520	13,209	184	13,393
1979.....	20,059	1,202	21,261	185	21,446	14,668	602	15,270	180	15,450
1980.....	20,273	1,197	21,470	174	21,644	15,742	689	16,431	184	16,615
1981.....	21,043	1,171	22,214	175	22,389	15,114	605	15,719	156	15,875
1982.....	21,334	1,032	22,366	170	22,536	13,657	464	14,121	108	14,229
1983.....	22,057	1,001	23,058	183	23,241	14,659	461	15,120	92	15,202
1984.....	22,509	907	23,416	180	23,596	14,282	438	14,720	82	14,812
1985.....	22,709	848	23,557	171	23,728	14,312	414	14,726	79	14,805
1986.....	23,456	757	24,213	158	24,371	13,618	380	13,998	65	14,063
1987.....	22,746	659	23,405	161	23,566	13,954	358	14,312	62	14,374
	Veal					Lamb and mutton				
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1973.....	210	115	325	32	357	486	17	504	10	514
1974.....	285	157	442	44	486	440	14	454	11	465
1975.....	494	333	827	46	873	385	14	399	11	410
1976.....	563	250	813	40	853	349	12	361	10	371
1977.....	569	225	794	40	834	330	11	341	10	351
1978.....	447	153	600	32	632	290	10	300	9	309
1979.....	315	95	410	24	434	275	9	284	9	293
1980.....	296	83	379	21	400	299	11	310	8	318
1981.....	324	91	415	21	436	317	11	328	10	338
1982.....	341	82	423	25	448	347	9	356	9	365
1983.....	356	73	429	25	454	358	10	368	8	376
1984.....	408	71	479	16	495	362	10	372	8	380
1985.....	441	57	498	16	514	341	9	350	7	357
1986.....	455	54	509	15	524	322	8	330	7	337
1987.....	382	34	416	13	429	302	8	310	6	316
	All meat, excluding lard					Lard				
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1973.....	31,869	2,625	34,495	404	34,899	1,181	54	1,235	18	1,253
1974.....	34,518	2,805	37,323	571	37,894	1,289	55	1,344	22	1,366
1975.....	33,298	2,973	36,211	549	36,760	956	39	995	17	1,012
1976.....	36,387	2,722	39,060	548	39,608	1,010	34	1,044	17	1,061
1977.....	36,781	2,391	39,172	539	39,711	994	27	1,021	16	1,037
1978.....	36,049	2,070	38,119	457	38,576	968	23	991	15	1,006
1979.....	35,317	1,908	37,225	398	37,623	1,112	29	1,141	14	1,155
1980.....	36,611	1,979	38,590	387	38,977	1,173	30	1,203	14	1,217
1981.....	36,798	1,877	38,675	362	39,037	1,131	24	1,155	12	1,167
1982.....	35,680	1,586	37,266	312	37,578	892	18	910	9	919
1983.....	37,431	1,543	38,974	298	39,272	952	20	972	6	978
1984.....	37,561	1,426	38,987	296	39,283	911	18	929	7	936
1985.....	37,803	1,328	39,131	273	39,404	906	17	923	6	929
1986.....	37,851	1,199	39,050	245	39,296	855	14	869	5	874
1987.....	37,384	1,058	38,442	240	38,682	844	13	857	5	862

<sup>1</sup> Totals are based on unrounded data.  
National Agricultural Statistics Service.

**Table 443.—Meat and meat food products: Quantity prepared and processed under Federal inspection, United States, fiscal year, 1987<sup>1</sup>**

Product	Fiscal year 1987	Product	Fiscal year 1987
	<i>1,000 pounds</i>		<i>1,000 pounds</i>
Cured:		Sliced/packaged product:	
Beef.....	310,968	Sausage, loaves, luncheon meat.....	1,120,239
Pork.....	3,792,029	Ham.....	455,027
Other meats.....	53,558	Bacon.....	1,595,775
Smoked, dried, or cooked:		Other.....	374,362
Bacon.....	1,579,948	Convenience foods (frozen and/or unfrozen):	
Hams.....	1,812,354	Pizza.....	795,941
Pork.....	464,950	Pies.....	271,941
Beef.....	533,375	Dinners.....	240,244
Other smoked.....	351,924	Entrees.....	432,048
Fresh/frozen products:		Other.....	417,665
Beef cuts.....	10,110,133	Miscellaneous meat products:	
Pork cuts.....	10,093,433	Cured meat loaves.....	76,936
Other cuts.....	556,235	Non-specific loaves.....	132,560
Beef, boned.....	8,826,105	Meat patties.....	529,956
Pork, boned.....	3,242,313	Other formulated products.....	311,200
Other, boned.....	218,305	Horse and equine products.....	55,488
Steaks, chops, roasts (chopped/formed).....	2,208,812	Animal food.....	84,285
Hamburger/ground beef.....	3,828,921	Total.....	60,604,177
Mechanically processed beef product.....	3,140		
Mechanically processed pork product.....	33,791	Fats and oils:	
Mechanically processed other product.....	67	Lard, rendered.....	753,696
Other fresh/frozen.....	986,842	Lard, refined.....	530,612
Sausage:		Tallow, edible.....	1,750,710
Fresh.....	947,598	Compound containing animal fat.....	1,026,136
Uncooked cured.....	24,347	Oleomargarine containing animal fat.....	32,257
Dried/semi-dried.....	445,894	Total.....	4,093,471
Frankfurters/wieners.....	1,540,538		
Bologna.....	644,630	Total all products (includes canned).....	67,157,990
Liver sausage and braunschweiger.....	96,824		
Other.....	1,002,476		

<sup>1</sup> Total represents pounds of product inspected and is greater than total amount of meat used for processed products. Some products move from fresh to cured, to smoked, etc., and will be counted in each of these categories. Food Safety and Inspection Service.

**Table 444.—Canned meat products: Quantity produced under Federal inspection, United States, fiscal year, 1987<sup>1</sup>**

Product	Fiscal year 1987	Product	Fiscal year 1987
Luncheon meat.....	147,639	Byproducts, other than pickled.....	2,326
Canned hams.....	85,341	Miscellaneous sausage product.....	13,437
Hash products.....	117,631	Corned beef.....	1,579
Chili con carne.....	336,324	Soups.....	584,042
Viennas.....	106,492	Pork shoulder picnics and loins.....	3,009
Frankfurters and wieners.....	1,568	All other meat and/or meat byproducts	
Deviled ham.....	9,079	20% or more meat.....	99,498
Potted meat food products and spreads.....	31,152	All other meat and/or meat byproducts	
Tamales.....	23,120	under 20% meat.....	230,194
Sliced dried beef.....	2,418	Horse and equine products.....	19,166
Chopped beef, hamburgers.....	10,800	Animal food.....	7,077
Meat stew.....	167,072	Total.....	2,460,342
Pasta meat product.....	456,603		
Vinegar-pickled products.....	4,775		

<sup>1</sup> Total represents pounds of product inspected and is greater than total amount of meat used for processed products. Some products move from fresh to cured, to smoked, etc., and will be counted in each of these categories. Food Safety and Inspection Service.

Table 445.—Meat: Production by types in specified countries, 1986 and 1987 <sup>1</sup>

Continent and country	Beef and veal		Pork <sup>3</sup>		Mutton, lamb, and goat meat		Total production	
	1986	1987 <sup>2</sup>	1986	1987 <sup>2</sup>	1986	1987 <sup>2</sup>	1986	1987 <sup>2</sup>
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>North America:</b>								
Canada.....	1,040	990	908	940			2,020	1,930
Mexico.....	1,200	1,205	910	909	75	73	2,185	2,187
United States.....	11,292	10,802	6,379	6,421	151	143	17,822	17,366
<b>Total.....</b>	<b>13,532</b>	<b>12,997</b>	<b>8,197</b>	<b>8,270</b>	<b>228</b>	<b>215</b>	<b>21,955</b>	<b>21,483</b>
<b>South America:</b>								
Argentina.....	2,850	2,650			86	82	2,936	2,732
Brazil.....	2,000	2,300	800	1,100			2,800	3,400
Colombia.....	679	670	115	121			794	791
Uruguay.....	358	294			76	56	434	350
Venezuela.....	307	286	136	145			443	431
<b>Total.....</b>	<b>6,194</b>	<b>6,200</b>	<b>1,051</b>	<b>1,366</b>	<b>162</b>	<b>138</b>	<b>7,407</b>	<b>7,704</b>
<b>Central America and Caribbean:</b>								
Costa Rica.....	99	97					99	97
Dominican Republic.....	57	51					57	51
El Salvador.....	23	19					23	19
Guatemala.....	45	52		14			45	66
Honduras.....	45	45					45	45
Nicaragua.....								
Panama.....	55	56					55	56
<b>Total.....</b>	<b>324</b>	<b>320</b>		<b>14</b>			<b>324</b>	<b>334</b>
<b>Europe:</b>								
Belgium and Luxembourg.....	331	330	745	780	8	8	1,084	1,118
Denmark.....	243	237	1,143	1,152	1	1	1,387	1,390
France.....	1,862	1,940	1,520	1,565	166	168	1,552	3,673
Germany, Fed. Rep. of.....	1,696	1,710	2,832	2,845	26	27	4,554	4,582
Greece.....	79	80	150	152	110	115	339	347
Ireland.....	480	446	127	125	47	51	654	622
Italy.....	1,180	1,170	1,170	1,180	67	68	2,417	2,418
Netherlands.....	546	560	1,449	1,535	8	8	2,003	2,103
United Kingdom.....	1,028	1,040	1,022	1,037	284	320	2,334	2,397
Portugal.....	98	93	193	195	25	27	316	315
Spain.....	440	425	1,166	1,150	136	134	1,742	1,709
<b>Total EC.....</b>	<b>7,983</b>	<b>8,031</b>	<b>11,517</b>	<b>11,716</b>	<b>878</b>	<b>927</b>	<b>20,378</b>	<b>20,674</b>
Austria.....	232	226	389	385			621	611
Finland.....	124	120	173	173			297	293
Sweden.....	147	139	309	291			456	430
Switzerland.....	170	166	286	289			456	455
<b>Total other Western Europe.....</b>	<b>673</b>	<b>651</b>	<b>1,157</b>	<b>1,138</b>	<b>0</b>	<b>0</b>	<b>1,830</b>	<b>1,789</b>
Bulgaria.....	160	155	395	400	113	110	668	665
Czechoslovakia.....	457	456	859	853	10	10	1,326	1,319
German Dem. Rep.....	420	430	1,285	1,260	18	20	1,673	1,710
Hungary.....	112	113	962	1,013	5	4	1,079	1,130
Poland.....	850	775	1,752	1,664	29	27	2,631	2,466
Romania.....	195	230	840	870	67	66	1,102	1,166
Yugoslavia.....	317	325	780	780	62	63	1,159	1,168
<b>Total Eastern Europe <sup>4</sup>.....</b>	<b>2,509</b>	<b>2,484</b>	<b>6,793</b>	<b>6,840</b>	<b>304</b>	<b>300</b>	<b>9,606</b>	<b>9,624</b>
<b>Total Europe.....</b>	<b>11,165</b>	<b>11,163</b>	<b>19,469</b>	<b>19,694</b>	<b>1,182</b>	<b>1,227</b>	<b>31,814</b>	<b>32,084</b>
<b>Soviet Union <sup>5</sup>.....</b>	<b>7,700</b>	<b>8,100</b>	<b>6,065</b>	<b>5,850</b>	<b>870</b>	<b>875</b>	<b>14,635</b>	<b>14,825</b>
<b>Africa:</b>								
Egypt.....	396	343			61	55	457	398
South Africa.....	616	628			198	186	814	814
<b>Total.....</b>	<b>1,012</b>	<b>1,071</b>			<b>259</b>	<b>241</b>	<b>1,271</b>	<b>1,312</b>

See footnotes at end of table.

**Table 445.—Meat: Production by types in specified countries, 1986 and 1987<sup>1</sup>—  
Continued**

Continent and country	Beef and veal		Pork <sup>3</sup>		Mutton, lamb, and goat meat		Total production	
	1986	1987 <sup>2</sup>	1986	1987 <sup>2</sup>	1986	1987 <sup>2</sup>	1986	1987 <sup>2</sup>
Asia and Middle East:	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
China.....	586	630	17,968	17,600			19,183	18,902
Hong Kong.....	4		29	29			29	29
India.....	363	369			517	530	880	899
Israel.....	38	38					38	38
Japan.....	559	580	1,552	1,575			2,111	2,155
Korea, Rep. of.....	208	196	322	368			530	564
Philippines.....	95	84	478	489			573	574
Saudi Arabia.....	18	18					18	18
Taiwan.....	4	4	868	919			872	923
Turkey.....	235	240			385	390	620	630
Total.....	2,106	2,159	21,217	20,980	1,531	1,592	24,854	24,731
Oceania:								
Australia.....	1,478	1,418	270	282	584	623	2,332	2,323
New Zealand.....	466	524		43	611	608	1,077	1,175
Total.....	1,944	1,942	270	325	1,195	1,231	3,409	3,498
Total selected countries <sup>6</sup> .....	43,979	43,855	56,269	56,499	4,721	5,523	105,669	105,971

<sup>1</sup> Carcass weight basis; excludes offals, rabbit, and poultry meat.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes edible pork fat, but excludes lard and inedible greases (except United States).

<sup>4</sup> Official CEMA data (includes fats and offals) with adjustments for live animal trade.

<sup>5</sup> Slaughter weight basis (includes fats and offals) used in official Soviet Union statistics.

<sup>6</sup> Includes other countries not listed separately.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 446.—Meats, frozen and cured: Cold-storage holdings, United States, first of month, 1986 and 1987**

Month	Frozen and cured beef		Frozen and cured pork		Frozen lamb and mutton	
	1986 <sup>1</sup>	1987	1986 <sup>1</sup>	1987	1986 <sup>1</sup>	1987
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January.....	318,438	320,608	235,379	217,731	11,615	11,550
February.....	302,320	305,988	239,138	223,516	13,813	13,565
March.....	297,102	311,132	253,504	221,770	11,811	13,595
April.....	301,236	312,281	281,951	217,762	12,754	13,248
May.....	318,498	280,100	275,639	218,802	12,742	13,997
June.....	321,647	252,732	247,661	189,165	14,068	12,007
July.....	336,980	278,661	214,852	181,107	14,318	9,311
August.....	319,418	269,273	184,681	175,060	15,459	8,468
September.....	291,614	286,511	185,904	186,199	14,450	6,978
October.....	292,324	307,619	215,824	212,205	14,641	7,036
November.....	297,482	304,310	206,160	251,657	13,843	8,637
December.....	310,554	288,651	197,064	285,471	12,603	7,949

<sup>1</sup> Beginning Jan. 1, 1977, cured (cooler) beef and cured (cooler) pork are excluded from totals.

National Agricultural Statistics Service.



Table 447.—Meat: United States exports by type of product, 1973–87

Year	Beef and veal				Pork					Sausage, Bologna, and frankfurters	Variety meats, fresh or frozen	Other meats	Total <sup>1</sup>
	Fresh or frozen	Canned	Pickled or cured	Goat, lamb and mutton, fresh or frozen	Fresh or frozen	Hams and shoulders, cured or cooked	Bacon	Other pork, pickled, salted, or otherwise cured	Other pork, canned				
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
1973.....	32,380		3,509	787	65,071	2,768	1,015	2,857	1,178	2,562	127,860	7,176	247,164
1974.....	21,292		1,658	1,153	35,289	3,014	797	2,920	902	2,351	134,220	9,017	212,612
1975.....	20,364		329	1,305	82,028	4,155	575	3,709	686	2,237	133,188	5,660	254,237
1976.....	36,093		462	1,403	128,895	3,041	1,028	3,422	1,114	2,523	172,246	7,663	357,890
1977.....	40,982		517	1,755	116,282	2,941	1,216	2,919	1,810	3,426	173,060	8,198	353,106
1978.....	51,710	2,296	1,263	1,375	84,120	3,934	1,655	7,524	2,932	3,653	185,831	6,801	353,095
1979.....	53,823	1,625	1,955	562	83,058	3,380	912	8,912	1,123	3,003	163,930	4,664	331,946
1980.....	55,003	1,995	2,505	595	69,966	3,327	820	8,438	1,667	3,296	200,417	7,427	355,454
1981.....	68,608	2,826	3,235	972	86,652	2,363	1,079	9,130	1,662	3,819	209,981	7,949	397,870
1982.....	78,781	3,028	3,858	676	58,541	1,358	774	7,514	1,289	3,404	230,344	5,291	394,857
1983.....	86,962	1,584	4,500	632	62,141	1,794	601	5,581	695	3,139	218,311	3,795	389,735
1984.....	105,995	1,936	3,598	878	46,098	1,474	621	3,837	513	2,603	217,019	3,605	388,177
1985.....	105,792	1,134	2,603	460	34,394	1,175	450	4,066	638	2,908	247,582	4,389	405,591
1986.....	179,434	918	4,052	558	20,969	650	474	4,796	349	3,214	249,460	4,211	469,085
1987 <sup>2</sup> .....	207,014	657	3,298	668	29,145	1,227	617	3,597	376	4,582	230,174	6,251	487,606

<sup>1</sup> May not add due to rounding.<sup>2</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 448.—Meat: United States imports of meat subject to Public Law 96-177 (Meat Import Act), by country of origin, 1982–87 <sup>1</sup>

Country of origin	1982	1983	1984	1985	1986	1987
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Canada.....	124,680	129,998	166,207	187,762	169,947	152,634
Mexico.....	451	1,318				31
Belize.....				263	189	
Guatemala.....	5,237	19,066	18,351	28,229	7,731	19,404
El Salvador.....	2,568	3,267	2,777	1,664	649	1,950
Honduras.....	31,737	34,102	22,317	15,116	20,824	18,901
Nicaragua.....	23,248	28,094	7,793	3,914		
Costa Rica.....	45,525	33,427	38,270	54,660	68,965	57,933
Panama.....	4,419	1,900	1,277	118	90	
Haiti.....	882	662	37	46		
Dominican Republic.....	10,244	8,017	1,692	18,860	25,106	20,474
Guam.....				531	343	568
Sweden.....			2,020	3,444	7,008	3,320
Australia.....	714,837	601,135	542,774	595,692	668,294	739,206
New Zealand.....	348,761	367,877	328,248	398,576	364,016	438,726
European Community.....	7,004	11,223	9,708	9,725	6,172	6,528
Total <sup>2</sup> .....	1,319,594	1,240,086	1,141,471	1,318,600	1,339,334	1,459,674

<sup>1</sup> Fresh, chilled, and frozen beef, veal, mutton and goatmeat and certain prepared items from these. Excluding canned meat and certain items prepared from these meats.<sup>2</sup> May not add due to rounding.

Foreign Agricultural Service.

Table 449.—Meat: United States imports, products weight basis, by country of origin, 1987

Country of origin	Beef and veal			Lamb, mutton, and goat, except canned	Pork				Mixed sausage	Variety meats, fresh or frozen	Other meats n.s.p.f.	Total
	Fresh or frozen	Canned, including sausage	Other prepared or preserved		Fresh and frozen	Canned	Other prepared or preserved	Sausage, all types				
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
Argentina.....	0	32,489	13,466	0	0	0	0	0	18	0	421	46,394
Australia.....	333,108	91	33	13,491	852	44	0	0	0	2,671	308	350,598
Brazil.....	0	22,061	2,839	0	0	0	0	0	0	0	301	25,201
Canada.....	70,696	299	128	34	232,119	5,524	5,499	1,484	552	4,816	427	321,578
Costa Rica.....	27,362	0	0	0	0	0	0	0	0	0	13	27,375
Denmark.....	2,865	0	25	0	57,471	62,257	653	484	3,279	128	3,482	130,644
Dominican Republic.....	9,559	0	0	0	0	0	0	0	0	0	7	9,566
El Salvador.....	1,247	0	0	0	0	0	0	0	0	0	0	1,247
Germany, Fed. Rep. of.....	0	3	0	0	0	1,636	68	149	111	21	14	2,002
Guatemala.....	8,724	0	0	0	0	0	0	0	0	0	0	8,724
Haiti.....	0	0	0	0	0	0	0	0	0	0	0	0
Honduras.....	8,970	0	0	0	0	0	0	0	0	0	0	8,970
Hungary.....	0	0	202	0	0	13,093	2,571	373	28	0	1	16,268
Ireland.....	716	0	0	0	0	8	13	20	0	0	0	757
Mexico.....	0	0	0	0	0	0	0	0	0	83	1	84
New Zealand.....	205,653	137	2	3,656	21	0	0	0	0	780	98	210,347
Netherlands.....	0	0	0	0	0	4,861	0	164	227	0	661	5,913
Nicaragua.....	0	0	0	0	0	0	0	0	0	0	0	0
Panama.....	10	0	0	0	0	0	0	0	0	0	0	10
Poland.....	0	0	0	0	0	37,682	0	0	0	0	95	37,777
Romania.....	0	13	0	0	0	6,671	17	13	0	0	0	6,713
Uruguay.....	0	1,259	696	0	0	0	0	0	0	0	169	2,124
United Kingdom.....	372	0	0	0	19	18	0	0	0	0	13	423
Yugoslavia.....	0	5	0	0	0	10,387	1	0	5	0	23	10,420
Other.....	1,870	296	59	23	11,103	5,615	565	1	2	1,091	2,277	22,902
Total <sup>1</sup> .....	671,152	56,653	17,450	17,204	301,585	147,796	9,387	2,688	4,222	9,590	8,310	1,246,037

<sup>1</sup> May not add due to rounding.

n.s.p.f.—Not specifically provided for.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 450.—Meat: United States imports by type of product, 1973-87

Year	Beef and veal			Lamb, mutton, and goat, except canned	Pork				Mixed sausage	Variety meats, fresh or frozen	Other meats n.s.p.f.	Total <sup>1</sup>
	Fresh or frozen	Canned, including sausage	Other prepared or preserved		Fresh and frozen	Canned	Other prepared or preserved	Sausage, all types				
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	611,691	42,593	24,617	18,284	28,303	148,136	1,546	2,786	2,320	3,269	5,902	889,447
1974.....	489,276	42,621	20,517	9,839	21,599	138,724	1,447	2,425	2,165	2,671	4,963	736,248
1975.....	549,087	28,937	18,329	11,670	14,917	130,863	665	1,944	1,294	2,534	5,126	765,367
1976.....	587,404	53,902	30,979	15,949	11,192	130,158	585	2,094	1,359	2,427	4,753	840,802
1977.....	564,894	43,124	25,618	9,885	12,215	120,388	534	2,209	1,387	2,591	3,725	786,570
1978.....	675,415	46,779	28,689	17,447	27,891	126,045	1,285	2,082	1,743	2,454	4,350	934,180
1979.....	713,354	45,890	28,721	19,714	46,268	113,518	1,575	2,434	1,849	4,695	5,619	983,637
1980.....	642,268	42,729	17,799	15,482	93,143	98,529	1,990	2,929	2,230	4,562	5,957	927,618
1981.....	544,610	34,932	23,303	14,384	98,226	94,102	1,496	1,935	2,103	3,560	7,896	826,547
1982.....	607,184	37,747	17,402	8,649	125,282	96,831	1,547	2,372	2,242	2,823	7,373	909,452
1983.....	565,997	59,073	16,766	8,752	121,707	125,593	2,300	2,176	1,911	3,985	8,396	916,604
1984.....	516,960	57,863	19,864	8,693	207,703	142,423	3,372	2,243	2,121	5,707	7,129	974,078
1985.....	594,476	64,277	18,314	15,565	254,538	160,802	6,312	2,192	2,672	5,622	9,163	1,133,933
1986.....	637,718	45,779	20,778	16,596	263,488	151,730	8,221	2,640	2,849	6,475	8,512	1,164,786
1987 <sup>2</sup> .....	671,152	56,653	17,450	17,204	301,585	147,796	9,387	2,688	4,222	9,590	8,310	1,246,037

<sup>1</sup> May not add due to rounding.<sup>2</sup> Preliminary.

n.s.p.f.—Not specifically provided for.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 451.—Meat: International trade, selected countries, 1985-87 <sup>1</sup>

Continent and country	1985		1986		1987 <sup>2</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:						
Canada.....	313	132	320	126	326	177
Costa Rica.....	27		36		25	0
Dominican Republic.....	13		11		9	0
El Salvador.....	1		1		1	0
Guatemala.....	19		9		9	0
Honduras.....	10		10		10	0
Mexico.....	1	23	1	6	0	10
United States.....	210	1,476	279	1,506	321	1,544
Total <sup>3</sup> .....	594	1,631	667	1,638	701	1,731
South America:						
Argentina.....	272		261		308	0
Brazil.....	540	48	355	500	265	90
Colombia.....	4		11		28	0
Uruguay.....	131		198		121	0
Venezuela.....	0	1	0	0	0	21
Total <sup>3</sup> .....	947	49	825	500	712	111

See footnotes at end of table.

Table 451.—Meat: International trade, selected countries, 1985-87 <sup>1</sup>—Continued

Continent and country	1985		1986		1987 <sup>2</sup>	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
<b>Europe:</b>						
Belgium-Luxembourg.....	340	79	394	77	424	77
Denmark.....	958	14	1,007	20	989	28
France.....	503	760	629	841	604	815
Germany, Fed. Rep. of.....	550	843	710	837	600	880
Greece.....	0	208	.....	221	0	205
Ireland.....	370	26	473	26	419	30
Italy.....	176	948	186	961	174	980
Netherlands.....	1,158	116	1,216	104	1,295	102
United Kingdom.....	284	955	306	1,007	316	1,010
Portugal.....	0	33	.....	31	0	32
Spain.....	3	36	6	92	8	100
Total EC.....	4,342	4,018	4,927	4,217	4,829	4,259
Austria.....	64	2	64	1	60	5
Finland.....	40	.....	32	.....	24	0
Sweden.....	110	13	75	15	45	18
Switzerland.....	4	15	5	16	3	16
Total Western Europe <sup>3</sup> .....	4,560	4,048	5,039	4,249	4,961	4,298
Bulgaria.....	34	1	43	1	43	1
Czechoslovakia.....	98	15	88	15	83	15
German Dem. Rep.....	235	0	226	.....	248	0
Hungary.....	222	3	175	3	188	3
Poland.....	13	25	122	14	125	22
Romania.....	265	0	280	0	300	0
Yugoslavia.....	97	24	55	57	97	45
Total Eastern Europe <sup>3</sup> .....	964	68	989	90	1,084	86
Total Europe <sup>3</sup> .....	5,524	4,116	6,028	4,339	6,045	4,384
Soviet Union <sup>4</sup> .....	30	587	14	635	14	644
<b>Africa:</b>						
Egypt.....	0	146	.....	156	0	237
South Africa.....	3	23	3	27	2	55
Total <sup>3</sup> .....	3	169	3	183	2	292
<b>Asia:</b>						
China.....	278	0	219	.....	226	0
Hong Kong.....	1	296	1	300	1	310
India.....	65	0	64	.....	73	0
Israel.....	0	47	2	42	1	47
Japan.....	0	647	.....	712	0	765
Korea, Rep. of.....	15	19	15	14	16	14
Philippines.....	0	2	.....	4	0	7
Saudi Arabia.....	0	55	.....	55	0	55
Singapore.....	5	40	5	38	5	40
Taiwan.....	96	33	123	39	155	41
Turkey.....	39	37	36	25	38	25
Total <sup>3</sup> .....	499	1,176	465	1,229	515	1,304
<b>Oceania:</b>						
Australia.....	860	0	1,033	.....	1,024	0
New Zealand.....	876	1	863	1	945	1
Total <sup>3</sup> .....	1,736	1	1,896	1	1,969	1
Total selected countries <sup>3</sup> .....	9,333	7,729	9,898	8,526	9,958	8,467

<sup>1</sup> Carcass weight equivalent of beef and veal, pork, and lamb, mutton and goat meat. Excludes fat, offals, and live animals. <sup>2</sup> Preliminary. <sup>3</sup> Totals may not add due to rounding. <sup>4</sup> Estimate based on trading partner data. Reported on product weight bases.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 452.—Meats and lard: Production and consumption, United States, 1973-87<sup>1</sup>

Year	Beef			Veal			Lamb and mutton		
	Production	Consumption		Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1973	21,278	23,043	108.7	357	381	1.8	512	560	2.6
1974	23,137	24,683	115.4	486	500	2.3	464	483	2.3
1975	23,975	25,675	118.9	873	886	4.1	411	432	2.0
1976	25,969	27,770	127.4	852	862	4.0	371	397	1.8
1977	25,279	27,199	123.5	833	843	3.8	350	371	1.7
1978	24,241	26,235	117.9	631	651	2.9	310	343	1.5
1979	21,447	23,712	105.4	435	454	2.0	291	333	1.5
1980	21,643	23,513	103.2	400	418	1.8	318	349	1.5
1981	22,389	23,977	104.2	435	447	1.9	338	362	1.6
1982	22,536	24,118	103.7	448	463	2.0	365	384	1.7
1983	23,243	24,821	105.7	453	465	2.0	375	387	1.7
1984	23,598	25,000	105.5	495	507	2.1	379	398	1.7
1985	23,728	25,472	106.5	515	533	2.2	359	386	1.6
1986	24,371	25,935	107.3	524	550	2.3	338	375	1.6
1987	23,566	25,205	103.3	429	449	1.8	315	360	1.5

  

Year	Pork			All meats			Lard		
	Production	Consumption		Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1973	13,223	13,405	63.3	35,370	37,389	176.4	1,253	705	3.4
1974	14,331	14,594	68.2	38,418	40,260	188.3	1,366	681	3.2
1975	11,779	11,959	55.4	37,038	38,952	180.4	1,012	633	3.0
1976	12,688	12,772	58.6	39,880	41,801	191.7	1,061	585	2.7
1977	13,243	13,315	60.5	39,710	41,728	189.5	1,037	510	2.3
1978	13,393	13,411	60.3	38,575	40,640	182.6	1,006	486	2.2
1979	15,451	15,468	68.7	37,624	39,968	177.6	1,155	584	2.6
1980	16,617	16,690	73.3	38,978	40,969	179.9	1,217	594	2.6
1981	15,873	16,076	69.9	39,035	40,862	177.6	1,167	578	2.5
1982	14,229	14,534	62.5	37,578	39,499	169.9	919	584	2.5
1983	15,199	15,436	65.7	39,270	41,109	175.1	979	490	2.1
1984	14,812	15,470	65.3	39,284	41,375	174.6	935	491	2.1
1985	14,807	15,733	65.8	39,409	42,125	176.0	929	422	1.8
1986	14,063	15,008	62.1	39,296	41,868	173.3	874	417	1.7
1987	14,374	15,237	62.5	38,684	41,251	169.1	862	319	1.3

<sup>1</sup> Carcass weight equivalent or dressed weight. Beginning 1977, pork production was no longer reported as "pork, excluding lard." This series has been revised to reflect pork production in prior years on a dressed weight basis that is comparable with the method used to report beef, veal, and lamb and mutton. Edible offals are excluded.

Economic Research Service.

**Table 453.—Meat: United States exports and shipments to Territories, and imports into the United States, carcass weight equivalent, 1973-87 <sup>1</sup>**

Year	Exports and shipments to Territories				Imports				
	Beef and veal	Lamb and mutton	Pork <sup>2</sup>	All meat	Beef	Veal	Lamb and mutton	Pork <sup>2</sup>	All meat
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1973	152	6	279	437	1,990	31	53	533	2,607
1974	130	8	204	342	1,615	31	26	488	2,160
1975	124	8	317	449	1,758	24	27	439	2,248
1976	169	7	422	599	2,073	22	36	469	2,601
1977	181	6	399	586	1,939	24	22	440	2,425
1978	220	4	422	647	2,297	25	39	495	2,856
1979	222	3	449	672	2,405	26	44	499	2,975
1980	224	4	406	635	2,064	21	33	550	2,668
1981	258	5	452	715	1,743	18	31	541	2,333
1982	310	4	365	680	1,939	19	21	612	2,591
1983	317	4	361	682	1,931	19	18	699	2,666
1984	383	5	311	700	1,823	24	20	954	2,821
1985	384	4	259	647	2,071	20	36	1,128	3,255
1986	579	4	218	800	2,129	27	41	1,122	3,319
1987	664	4	233	901	2,269	24	44	1,195	3,533

<sup>1</sup> Carcass weight equivalent of all meat, including the meat content of minor meats and of mixed products. Includes shipments to Puerto Rico, the Virgin Islands, Guam, and Wake Island, 1963-69. Beginning 1970, includes shipments to Puerto Rico and Virgin Islands only.

<sup>2</sup> The pork series has been revised to a dressed weight equivalent rather than "Pork, excluding lard." (See Footnote 1, table 452.)

Economic Research Service. Data on imports and commercial exports and shipments are computed from records of the U.S. Department of Commerce, those on exports and shipments by the U.S. Department of Agriculture are separately estimated from deliveries and stocks.

**Table 454.—Hides, packer: Average price per hundred pounds, Central U.S., 1973-87**

Year	Steers					Cows/heifers		
	Heavy native	Light native	Heavy Texas	Butt branded	Colorado branded	Heavy <sup>1</sup> native	Light <sup>1</sup> native	Branded <sup>2</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1973	33.78			28.83	26.24	34.14	38.72	29.01
1974	23.38			19.77	18.13	23.46	27.19	19.61
1975	23.25			20.67	18.82	21.60	23.80	17.51
1976	36.11			33.41	31.33	36.25	40.65	33.02
1977	37.29			36.21	34.75	39.21	51.00	36.04
1978	46.54			41.83	42.64	45.55	51.42	45.24
1979	72.68	88.95		66.94	62.51	76.38	88.89	68.74
1980	45.70	50.85	44.18	42.33	38.95	47.07	54.02	43.44
1981	44.19	50.30	44.18	42.19	40.19	46.07	52.38	42.99
1982	42.31	49.82	41.33	39.82	37.17	45.10	49.41	41.78
1983	50.21	57.55	48.10	46.05	45.02	53.48	60.72	51.14
1984	61.02		57.90	58.46	54.02	67.02		64.98
1985	54.69		54.59	51.24	49.83	57.55	61.56	55.00
1986	64.09		63.60	61.32	59.40	68.06	68.78	60.64
1987	79.92		77.66	78.03	74.04	83.43	88.50	81.00

<sup>1</sup> Heifers.

<sup>2</sup> Cows.

Agricultural Marketing Service.

**Table 455.—Hides and skins: United States imports and exports, 1973-87**

Year	Imports				Exports			
	Calf and kip	Cattle <sup>1</sup>	Goat and kid	Sheep and lamb <sup>2</sup>	Calf	Kip	Cattle <sup>3</sup>	Sheep and lamb <sup>2</sup>
	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces
1973.....	437	709	1,624	12,894	1,608	279	16,866	5,792
1974.....	439	520	583	15,732	1,802	365	18,429	4,897
1975.....	222	959	879	15,520	2,051	352	21,269	4,571
1976.....	93	962	1,255	16,615	1,657	505	25,270	3,409
1977.....	91	932	1,137	15,468	2,052	447	24,484	836
1978.....	179	704	1,762	17,807	2,079	351	24,792	* 1,444
1979.....	126	673	2,444	15,529	1,970	352	23,731	2,279
1980.....	64	880	519	9,027	2,205	290	19,568	1,675
1981.....	99	1,028	821	14,237	2,542	485	19,703	1,232
1982.....	118	657	661	8,374	2,919	459	23,168	2,429
1983.....	138	664	222	7,935	2,204	442	21,861	2,003
1984.....	121	711	412	7,424	2,112	478	25,889	3,197
1985.....	173	1,044	388	6,259	2,234	486	25,428	2,538
1986.....	178	787	426	5,518	2,419	634	26,828	3,436
1987 <sup>4</sup> .....	256	488	467	4,651	2,191	874	24,259	5,588

<sup>1</sup> Excludes pieces of cattle hides reported in units of pounds.

<sup>2</sup> Includes cabretta and hair sheepskins.

<sup>3</sup> Schedule B numbers 211.6000 and 211.7000 have been dropped from hides and skins count due to Schedule B changes implemented January 1, 1978.

<sup>4</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 456.—Hides and skins: United States imports by country of origin, 1985-87**

Country of origin	1985	1986	1987 <sup>1</sup>	Country of origin	1985	1986	1987 <sup>1</sup>
	1,000 pieces	1,000 pieces	1,000 pieces		1,000 pieces	1,000 pieces	1,000 pieces
<b>Cattle hides: <sup>2</sup></b>				<b>Sheep and lambs: <sup>3</sup></b>			
Canada.....	883	595	338	Afghanistan.....	14	0	0
Honduras.....	3	0	0	Ethiopia.....	126	295	765
Other countries.....	158	172	150	United Kingdom.....	47	107	34
<b>Total.....</b>	<b>1,044</b>	<b>767</b>	<b>488</b>	South Africa.....	58	12	0
				Iran.....	718	356	188
<b>Calf and kip:</b>				Australia.....	29	190	319
Canada.....	114	135	168	New Zealand.....	3,747	3,134	2,025
Other countries.....	59	43	88	Germany, Fed. Rep. of.....	32	0	24
<b>Total.....</b>	<b>173</b>	<b>178</b>	<b>256</b>	France.....	182	223	226
				Argentina.....	1	9	26
<b>Goat and kid:</b>				Canada.....	131	180	158
Afghanistan.....	4	0	0	Sudan.....	683	572	345
Haiti.....	35	0	36	Nigeria.....	224	176	390
Ethiopia.....	60	5	0	Other countries.....	269	264	151
Indonesia.....	112	0	0	<b>Total.....</b>	<b>6,261</b>	<b>5,518</b>	<b>4,651</b>
Iran.....	29	9	156				
China.....	0	169	26				
Other countries.....	138	243	249				
<b>Total.....</b>	<b>388</b>	<b>426</b>	<b>467</b>				

<sup>1</sup> Preliminary.

<sup>2</sup> Excludes pieces of cattle hides reported in units of pounds.

<sup>3</sup> Includes cabretta and hair sheepskins; excludes pieces of sheep and lamb skins reported in pounds.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 457.—Hides and skins: United States exports by country of destination, 1985-87

Country of destination	1985	1986	1987 <sup>1</sup>	Country of destination	1985	1986	1987 <sup>1</sup>
	<i>1,000 pieces</i>	<i>1,000 pieces</i>	<i>1,000 pieces</i>		<i>1,000 pieces</i>	<i>1,000 pieces</i>	<i>1,000 pieces</i>
<b>Cattle hides:</b> <sup>2</sup>				<b>Calf skins:</b>			
Canada.....	796	715	924	Canada.....	78	135	137
Mexico.....	2,309	1,042	1,437	Mexico.....	643	211	109
France.....	220	277	156	Czechoslovakia.....	3	0	0
Germany, Fed. Rep. of.....	125	85	56	Germany, Fed. Rep. of.....	4	16	0
Italy.....	1,169	1,299	394	Italy.....	97	272	703
Spain.....	340	255	200	Korea, Rep. of.....	12	9	18
Romania.....	1,168	704	292	Spain.....	1	6	5
Taiwan.....	2,831	3,598	3,177	Japan.....	1,125	1,380	1,041
Korea, Rep. of.....	6,453	9,418	10,152	Other countries.....	271	390	178
Japan.....	6,835	6,684	5,971	<b>Total.....</b>	<b>2,234</b>	<b>2,419</b>	<b>2,191</b>
Czechoslovakia.....	418	523	315	<b>Kipskins:</b>			
Other countries.....	2,764	2,228	1,185	Canada.....	12	62	56
<b>Total.....</b>	<b>25,428</b>	<b>26,828</b>	<b>24,259</b>	Korea, Rep. of.....	6	9	34
<b>Sheep and lamb skins:</b> <sup>3</sup>				Italy.....	0	104	35
Canada.....	47	25	128	Germany, Fed. Rep. of.....	0	0	0
Japan.....	255	213	542	Hungary.....	7	18	0
Brazil.....	0	27	0	Japan.....	153	267	651
Germany, Fed. Rep. of.....	56	43	18	Other countries.....	308	174	98
Italy.....	1,019	1,360	1,912	<b>Total.....</b>	<b>486</b>	<b>634</b>	<b>874</b>
United Kingdom.....	223	139	347				
Poland.....	60	79	47				
Other countries.....	878	1,550	2,594				
<b>Total.....</b>	<b>2,538</b>	<b>3,436</b>	<b>5,588</b>				

<sup>1</sup> Preliminary.<sup>2</sup> Excludes pieces of cattle hides reported in units of pounds.<sup>3</sup> Schedule B numbers 211.6000 and 211.7000 have been dropped from hides and skins count due to Schedule B changes implemented January 1, 1978.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 458.—Livestock and poultry inventory: Index numbers, United States, Jan. 1, 1975-88<sup>1</sup>

[1977 = 100]

Year	Total livestock and poultry	Meat animals	Milk cattle <sup>2</sup>	Poultry	Year	Total livestock and poultry	Meat animals	Milk cattle <sup>2</sup>	Poultry
1975.....	107	107	103	101	1982.....	96	96	103	103
1976.....	103	103	101	100	1983.....	95	94	103	101
1977.....	100	100	100	100	1984.....	94	94	104	97
1978.....	96	96	99	102	1985.....	90	90	102	99
1979.....	93	92	99	106	1986.....	<sup>4</sup> 87	87	105	<sup>4</sup> 98
1980.....	94	94	99	108	1987 <sup>3</sup> .....	<sup>4</sup> 84	84	99	<sup>4</sup> 98
1981.....	96	96	101	106	1988.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )

<sup>1</sup> For method of combining species and weights in construction of these index numbers see Agricultural Handbook No. 365, Volume II, major statistical series of the U.S. Department of Agriculture, April 1970. Weights based on 1967 sales values relative to milk cows are as follows: Milk cows, 1.00; beef cattle and calves, 0.71; hogs, 0.17; sheep and lambs, 0.07; chickens, 0.001; and turkey breeder hens, 0.014. Index computations for Jan. 1 uses turkey breeder hens, all chickens (excluding commercial broilers), and hogs and pigs on hand Dec. 1 preceding year.<sup>2</sup> Weights for milk cattle are as follows: Milk cows, 1.00; heifers weighing 500 lbs. and over, 0.56.<sup>3</sup> Preliminary.<sup>4</sup> Excludes turkey breeder hens due to discontinued estimates.<sup>5</sup> Data discontinued.

National Agricultural Statistics Service.



**Table 459.—Mink pelts: Number produced by color class, major States, and United States, 1987<sup>1</sup>**

State	Standard	Ranch wild	Demi-buff <sup>1</sup>	Pastel	Pale brown	Sapphire	Gun-metal	Mahogany	Pearl	Lavender Hope	Pink	Violet type	White	Miscellaneous and unclassified	Total pelts
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
ID.....	55,400	34,900	66,000	18,800		3,600	2,900	22,700	5,300		300	600	4,100	400	215,000
IL.....	78,700	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )		( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )		( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )		181,000
IN.....	10,200	( <sup>2</sup> )		( <sup>2</sup> )					800	( <sup>2</sup> )					14,800
IA.....	61,000	3,600	15,000	13,600	( <sup>2</sup> )	5,800	5,300	7,500	15,700			11,400	700	800	140,400
MA.....	( <sup>2</sup> )		4,100	1,200		( <sup>2</sup> )	( <sup>2</sup> )		3,000			( <sup>2</sup> )			12,100
MI.....	63,000	13,500	15,500	6,300		( <sup>2</sup> )	( <sup>2</sup> )	19,000	8,300	( <sup>2</sup> )	( <sup>2</sup> )	11,800	6,300	( <sup>2</sup> )	146,000
MN.....	183,700	132,700	41,100	29,000	( <sup>2</sup> )	5,200	17,400	45,700	12,900	( <sup>2</sup> )	( <sup>2</sup> )	5,000	10,000		503,200
NY.....	48,700	( <sup>2</sup> )	2,500	9,100		( <sup>2</sup> )	5,500	6,200	8,200		( <sup>2</sup> )	6,100			99,400
OH.....	54,900	8,800	25,300	5,600	400	4,800	1,000	17,800	300			1,400	( <sup>2</sup> )		120,400
OR.....	83,600	5,400	6,500	3,000		20,200	73,100	4,100			( <sup>2</sup> )	14,800	( <sup>2</sup> )		215,000
PA.....	24,700	12,100	15,900	9,000		9,900	24,100	26,700	5,100		9,300	5,200	( <sup>2</sup> )	1,700	146,900
SD.....	11,200	30,900	( <sup>2</sup> )	5,600			20,200		( <sup>2</sup> )			( <sup>2</sup> )	( <sup>2</sup> )		92,200
UT.....	258,400	22,800	111,200	31,500	1,100	10,200	23,700	46,300	15,200	200	300	14,300	200		535,400
WA.....	113,000	6,100	49,100	2,300		2,200	43,100	2,500	( <sup>2</sup> )			( <sup>2</sup> )	( <sup>2</sup> )		219,900
WI.....	537,400	59,900	65,700	73,800	800	23,800	35,900	112,200	26,800	8,400	20,300	40,100	89,100	600	1,094,800
Other States.....	61,900	35,300	70,800	5,000	100	1,500	2,100	23,600	2,400	800	6,600	2,100	5,300	0	217,500
US.....	1,646,800	374,500	504,700	221,300	4,200	88,700	240,100	427,700	120,800	9,500	70,600	115,800	125,700	3,600	3,954,000

<sup>1</sup> Demi-buff includes Dark brown, Violet, Pastel, Standard, Pearl crosses and others. Georgia combined with other States to avoid disclosing individual operations.

<sup>2</sup> Included in total to avoid disclosing individual operations.

National Agricultural Statistics Service.

MINK

**Table 460.—Mink farms, pelts produced and value of mink pelts, United States, 1973-87**

Year	Mink farms	Pelts produced	Average marketing price	Value of mink pelts
	<i>Number</i>	<i>Thousand</i>	<i>Dollars</i>	<i>Million dollars</i>
1973 .....	1,329	3,037	(1)	(1)
1974 .....	1,221	3,128	(1)	(1)
1975 .....	1,084	3,067	24.10	73.9
1976 .....	1,015	3,026	29.00	87.8
1977 .....	1,040	3,076	28.30	87.1
1978 .....	1,095	3,358	39.30	132.0
1979 .....	1,105	3,894	41.10	139.5
1980 .....	1,122	3,501	35.30	123.6
1981 .....	(2)	(2)	32.20	(2)
1982 .....	1,116	4,085	28.90	118.1
1983 .....	1,098	4,187	29.90	123.7
1984 .....	1,084	4,220	30.80	130.0
1985 .....	1,042	4,170	28.00	116.8
1986 <sup>3</sup> .....	989	4,096	41.30	169.2
1987 <sup>4</sup> .....	970	3,954	43.00	170.0

<sup>1</sup> Data not available prior to 1975.

<sup>2</sup> Data not available for 1981.

<sup>3</sup> Revised, based on additional information.

<sup>4</sup> Preliminary.

National Agricultural Statistics Service.

**Table 461.—Livestock: Number of animals slaughtered under Federal inspection and number of whole carcasses condemned, 1973-87**

Year	Cattle		Calves		Sheep and lambs		Goats		Hogs		Horses	
	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>	Total	Con-demned <sup>1</sup>
	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>
1973 .....	30,521	91.8	1,808	13.3	9,234	40.6	87	.....	72,264	145.6	165	.....
1974 .....	33,319	100.1	2,355	16.4	8,556	37.3	72	.....	77,071	155.2	207	.....
1975 .....	36,904	111.0	3,894	26.6	7,552	32.9	49	.....	64,926	131.2	247	.....
1976 .....	38,992	117.0	4,438	30.8	6,474	27.9	41	.....	70,454	140.4	293	.....
1977 .....	38,717	121.9	4,696	63.3	6,133	31.5	45	0.3	74,019	198.9	317	3.0
1978 .....	36,948	143.0	3,620	54.9	5,169	41.3	45	6	74,139	257.8	323	2.1
1979 .....	31,504	111.8	2,499	39.4	4,833	30.1	63	7	85,425	291.1	304	1.9
1980 .....	31,642	108.2	2,294	33.0	5,363	31.9	93	9	91,882	318.7	274	1.7
1981 .....	32,819	110.9	2,478	31.2	5,789	36.8	63	5	87,851	279.2	219	1.3
1982 .....	33,907	121.3	2,729	37.8	6,273	57.1	84	1.2	79,328	247.8	149	.9
1983 .....	34,816	122.9	2,798	36.1	6,412	31.3	79	5	84,762	189.1	99	.7
1984 .....	35,880	139.5	3,030	41.3	6,549	36.0	119	1.1	82,478	202.9	105	.5
1985 .....	34,765	122.6	3,168	44.1	5,976	29.8	124	8	81,974	179.1	128	.7
1986 .....	35,913	132.1	3,195	51.9	5,464	22.9	153	1.0	77,290	168.9	199	1.0
1987 .....	34,468	125.5	2,680	44.2	5,042	21.3	187	1.5	78,913	144.9	276	1.3

<sup>1</sup> Condemnations for 1973-76 do not include ante-mortem cases of parts of carcasses. Beginning with 1977, condemnations include ante-mortem and post-mortem inspection. Beginning with 1980, condemnations are for the fiscal year ending September 30. Data reported by Food Safety and Inspection Service, USDA.

National Agricultural Statistics Service.

## CHAPTER VIII

# DAIRY AND POULTRY STATISTICS

Dairy statistics in this chapter include series relating to many phases of production, movement, prices, stocks, and consumption of milk and its products. Two series of number of milk cows on farms are included in this publication. One series is an inventory number of a specific classification estimated as one of the major groups making up the total cattle population on January 1. The other series identified as "milk cows" is an annual average number of milk cows during the year (excluding any not yet fresh) and is used in estimating milk production.

In comparing the several series of milk prices, it is important to note that prices received by farmers for all whole milk sold are for milk or milkfat content as actually sold, while certain prices paid by dealers for milk for fluid purposes or for specified manufacturing purposes may be quoted on a 3.5 percent butterfat basis, or for some types of manufacturing milk on the test of the milk used for that particular purpose.

Poultry and poultry products statistics include inventory numbers of chickens by classes; the production, disposition, cash receipts, and gross income from chickens and eggs; poultry and egg receipts at principal markets; commercial broiler production; turkey production, disposition, and gross income; poultry and eggs under Federal inspection; and the National Poultry Improvement Plan. Estimates relating to inventories, production, and income exclude poultry and eggs produced on places not classified as farms.

**Table 462.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, United States, Jan. 1, 1973–88**

Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements	Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements
	<i>Thousands</i>	<i>Thousands</i>		<i>Thousands</i>	<i>Thousands</i>
1973.....	11,622	3,872	1981.....	10,849	4,342
1974.....	11,297	3,941	1982.....	10,986	4,547
1975.....	11,220	4,087	1983.....	11,047	4,545
1976.....	11,071	3,956	1984.....	11,109	4,532
1977.....	10,998	3,887	1985.....	10,805	4,760
1978.....	10,886	3,886	1986.....	11,177	4,761
1979.....	10,790	3,932	1987.....	10,502	4,331
1980.....	10,758	4,159	1988 <sup>1</sup> .....	10,307	4,111

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 463.—Milk cow rations: Quantities and value of concentrates fed, by States, 1986 and 1987

State	Grain and other concentrates fed during calendar year				Value per 100 pounds of concentrate rations fed during the year	
	Per cow		Per 100 pounds of milk produced		1986	1987
	1986	1987	1986	1987		
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	6,250	6,400	52	51	7.57	7.45
AK.....	6,870	7,570	48	50	13.00	12.70
AZ.....	7,480	7,800	47	49	6.72	6.22
AR.....	6,000	6,190	54	53	6.98	6.99
CA.....	7,490	7,550	44	42	6.78	6.52
CO.....	6,390	7,150	43	45	6.14	5.98
CT.....	5,300	5,520	38	38	7.54	7.42
DE.....	5,550	5,710	38	39	7.76	7.50
FL.....	10,120	9,480	84	76	6.52	6.22
GA.....	6,010	5,830	52	50	7.31	7.17
ID.....	5,330	5,680	37	38	5.96	5.38
IL.....	5,090	5,240	41	40	7.04	6.96
IN.....	5,250	5,480	43	44	7.82	7.07
IA.....	4,750	4,820	41	41	6.66	6.23
KS.....	5,630	5,670	48	48	5.95	6.04
KY.....	4,920	5,150	48	48	7.17	7.12
LA.....	5,440	5,480	57	55	7.65	7.44
ME.....	5,070	5,070	38	37	8.38	8.06
MD.....	5,050	5,030	38	38	8.00	7.75
MA.....	4,920	5,470	37	38	7.90	7.48
MI.....	6,270	6,250	44	43	6.22	5.82
MN.....	5,120	5,330	43	42	6.11	6.18
MS.....	5,330	5,570	52	51	7.24	7.16
MO.....	6,580	6,560	51	50	6.71	6.50
MT.....	5,130	5,430	41	41	6.73	6.21
NE.....	5,630	5,780	45	44	6.24	6.20
NV.....	5,050	5,410	35	37	7.30	7.08
NH.....	5,060	4,710	38	35	7.94	7.56
NJ.....	4,390	4,190	33	32	8.28	8.54
NM.....	7,280	7,760	44	46	5.90	5.68
NY.....	4,270	4,500	34	34	7.98	7.78
NC.....	6,020	6,080	43	43	8.05	8.05
ND.....	4,760	5,100	43	43	4.84	4.72
OH.....	5,280	5,460	41	42	6.91	6.97
OK.....	4,930	4,940	46	46	6.52	6.16
OR.....	5,500	6,080	37	38	7.72	7.60
PA.....	5,260	5,650	38	40	7.69	7.52
RI.....	5,030	5,240	38	38	7.70	7.44
SC.....	6,010	5,840	50	47	7.54	7.51
SD.....	5,190	5,590	47	47	6.00	5.90
TN.....	4,940	4,780	46	44	8.02	8.01
TX.....	6,580	6,670	52	51	6.96	6.38
UT.....	5,570	6,360	38	42	6.38	5.97
VT.....	4,730	4,710	85	34	8.26	7.82
VA.....	5,270	5,420	38	39	8.34	8.25
WA.....	6,390	6,510	36	36	7.18	6.78
WV.....	4,320	4,360	38	40	8.33	8.00
WI.....	4,890	5,250	37	38	7.03	6.94
WY.....	4,490	3,960	37	32	6.04	5.76
US.....	5,534	5,736	41.8	41.6	7.00	6.81

National Agricultural Statistics Service.

**Table 464.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, by States, Jan. 1, 1987 and 1988**

State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements		State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements	
	1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>		1987	1988 <sup>1</sup>	1987	1988 <sup>1</sup>
	Thousands	Thousands	Thousands	Thousands		Thousands	Thousands	Thousands	Thousands
AL.....	43	40	13	12	NE.....	103	100	30	30
AK.....	2.4	2.3	8	7	NV.....	19	19	8	7
AZ.....	87	90	20	19	NH.....	27	23	11	10
AR.....	62	72	22	30	NJ.....	35	31	13	12
CA.....	990	1,005	470	470	NM.....	61	59	22	18
CO.....	78	72	26	32	NY.....	900	844	386	291
CT.....	40	37	15	14	NC.....	114	105	35	34
DE.....	10	9	2	2	ND.....	92	99	33	26
FL.....	178	179	95	90	OH.....	370	368	160	165
GA.....	100	102	38	38	OK.....	110	108	40	35
HI.....	12	12	5	5	OR.....	92	94	49	44
ID.....	162	160	68	68	PA.....	730	724	294	292
IL.....	215	210	95	95	RI.....	3.0	2.9	1.2	1.2
IN.....	199	190	90	85	SC.....	46	43	16	16
IA.....	308	299	125	128	SD.....	149	147	39	42
KS.....	109	104	43	41	TN.....	203	204	85	75
KY.....	223	218	75	77	TX.....	325	340	100	100
LA.....	89	87	26	26	UT.....	74	73	36	35
ME.....	49	47	20	19	VT.....	178	170	63	52
MD.....	117	113	47	44	VA.....	150	145	82	85
MA.....	37	33	14	8	WA.....	201	211	80	80
MI.....	370	358	187	161	WV.....	32	31	10	10
MN.....	855	810	350	342	WI.....	1,825	1,790	814	775
MS.....	75	68	30	24	WY.....	10	10	3	3
MO.....	219	224	97	95	US.....	10,502	10,307	4,331	4,111
MT.....	24	25	7	7					

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

**Table 465.—Dairy product-feed price ratios: Milk-feed; dairy feed, 16%; Milk-feed price ratios and value per 100 pounds of grain and concentrate rations fed to milk cows, United States, annual 1973-87**

Year	Milk price cwt.	16% dairy feed price cwt.	Milk-feed price ratio <sup>1,2</sup>	Value per 100 pounds of grain and concentrates fed to milk cows	Year	Milk price cwt.	16% dairy feed price cwt.	Milk-feed price ratio <sup>1,2</sup>	Value per 100 pounds of grain and concentrates fed to milk cows
	Dollars	Dollars	Pounds	Dollars		Dollars	Dollars	Pounds	Dollars
1973.....	7.14	5.65	1.26	4.88	1981.....	13.77	9.60	1.44	8.02
1974.....	8.33	6.90	1.22	6.23	1982.....	13.61	8.85	1.54	7.45
1975.....	8.75	6.75	1.31	6.25	1983.....	13.58	9.40	1.45	7.88
1976.....	9.66	7.05	1.37	6.31	1984.....	13.46	9.55	1.41	8.16
1977.....	9.72	7.00	1.39	6.20	1985.....	12.75	8.40	1.52	7.35
1978.....	10.60	6.90	1.53	6.08	1986.....	12.50	8.00	1.57	7.00
1979.....	12.02	7.80	1.55	6.68	1987.....	12.54	7.70	1.63	6.81
1980.....	13.05	8.85	1.48	7.42					

<sup>1</sup> Annual ratios based on average of monthly ratios.<sup>2</sup> Pounds of 16% mixed dairy feed equal in value to one pound of whole milk.

National Agricultural Statistics Service.

**Table 466.—Dairy Herd Improvement Associations: Numbers of associations, supervisors, herds, and cows and milk and fat production, United States, 1973-87**

Year	Associa- tions <sup>1</sup>	Supervi- sors <sup>1</sup>	Official plans					
			Herds	Cows	Cows per herd	Average production		
						Milk	Fat	
<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>	<i>Percent</i>	<i>Pounds</i>
1973 .....	1,130	2,209	33,146	2,416,669	72.9	13,163	3.75	493
1974 .....	1,105	2,183	32,222	2,432,961	75.5	13,421	3.76	505
1975 .....	1,051	2,218	32,232	2,438,365	75.7	13,632	3.75	511
1976 .....	1,028	2,266	33,755	2,581,164	76.5	14,435	3.73	539
1977 .....	1,046	2,432	34,972	2,704,064	77.3	14,631	3.70	542
1978 .....	1,045	2,541	36,105	2,792,175	77.3	14,644	3.70	542
1979 .....	1,025	2,638	37,576	2,966,558	78.9	14,786	3.70	547
1980 .....	1,066	2,824	39,524	3,197,353	80.8	14,960	3.70	553
1981 .....	1,084	2,916	40,933	3,382,977	82.6	15,134	3.68	568
1982 .....	1,053	3,116	41,029	3,431,507	83.6	15,274	3.69	564
1983 .....	1,070	2,940	40,745	3,446,570	84.6	15,520	3.68	572
1984 .....			39,100	3,262,174	83.4	15,587	3.70	577
1985 .....			37,661	3,322,771	88.2	16,279	3.69	600
1986 .....			34,779	3,102,698	89.2	16,654	3.67	612
1987 .....			34,413	3,160,551	91.8	17,008	3.68	625

<sup>1</sup> Includes all plans.

Agricultural Research Service.

**Table 467.—Cattle: Tuberculin tests in cooperation with States, 1973-87**

Year	Tuberculin Tests						Infected and exposed <sup>1</sup> herds (fiscal year)
	Herds and lots	Cattle	Reactors reported				
			Herds and lots		Cattle		
<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	
1973 .....	102,510	2,936,287	163	0.16	1,512	0.05	38
1974 .....	101,734	2,487,798	231	.23	1,573	.06	30
1975 .....	94,769	2,367,458	158	.17	1,306	.06	47
1976 .....	103,441	2,484,550	298	.29	1,879	.08	52
1977 .....	98,483	2,322,110	175	.18	3,967	.17	29
1978 .....	103,037	2,307,487	92	.09	490	.02	28
1979 .....	108,813	2,422,334	54	.05	688	.03	17
1980 .....	108,535	2,279,974	54	.05	1,668	.07	6
1981 .....	106,715	2,221,228	57	.05	147	.01	13
1982 .....	100,156	2,253,751	39	.04	187	.01	11
1983 .....	92,333	2,172,572	46	.05	721	.03	14
1984 .....	87,691	2,167,018	37	.04	244	.01	7
1985 .....	38,961	2,413,451	58	.10	597	.02	30
1986 .....	68,026	1,655,111	66	.10	308	.03	22
1987 .....	52,659	1,361,798	29	.06	99	.01	17

<sup>1</sup> All methods of surveillance and detection.

Animal and Plant Health Inspection Service.

Table 468.—Cattle: Brucellosis work in cooperation with States, 1973-86

Year	Milk ring tests <sup>1</sup>			Market cattle blood tests		
	Herd tests	Suspicious herd tests		Cattle tested	Reactor cattle	
	Number	Number	Percent	Number	Number	Percent
1973.....	895,346	2,580	0.3	8,680,880	55,399	0.6
1974.....	881,195	2,247	.3	10,007,454	72,348	.7
1975.....	841,392	2,642	.3	13,524,598	90,949	.7
1976.....	730,737	2,096	.3	13,939,367	88,443	.6
1977.....	760,576	2,272	.3	13,609,558	71,994	.5
1978.....	849,527	2,285	.3	13,325,356	70,997	.5
1979.....	763,439	2,315	.3	10,462,153	52,236	.5
1980.....	805,507	3,357	.4	11,290,190	50,369	.4
1981.....	826,745	4,876	.6	11,589,338	50,010	.4
1982.....	938,779	3,295	.4	12,871,496	51,876	.4
1983.....	958,592	3,494	.4	13,571,664	45,752	.3
1984.....	853,123	2,450	.3	14,896,290	42,230	.3
1985.....	845,518	2,041	.2	13,475,371	37,293	.3
1986.....	820,301	2,975	.4	13,505,732	33,835	.3

  

Year	Cattle blood tested on farm or ranch <sup>2</sup>						Adjusted cattle infection rate <sup>3</sup>	Calves vaccinated
	Herd or lot tests	Infected herds or lots		Cattle tested	Reactor cattle			
	Number	Number	Percent	Number	Number	Percent	Percent	Number
1973.....	219,167	26,654	12.2	5,361,680	113,453	2.1	0.8	3,873,908
1974.....	228,897	34,144	14.9	6,073,077	157,027	2.6	.9	4,010,475
1975.....	238,184	37,117	15.6	6,947,008	181,214	2.6	.9	3,720,441
1976.....	258,710	36,901	14.3	7,454,452	181,165	2.4	.9	3,779,108
1977.....	268,750	32,904	12.2	7,247,352	168,607	2.3	.8	3,780,309
1978.....	271,335	28,846	10.6	6,895,966	154,877	2.2	.8	4,269,151
1979.....	266,991	27,567	10.3	6,713,199	141,665	2.1	.7	5,341,033
1980.....	279,053	28,692	10.3	7,249,853	148,019	2.0	.8	6,355,745
1981.....	292,495	26,488	9.1	7,509,101	136,148	1.8	.3	7,090,102
1982.....	264,508	23,767	9.0	6,632,461	121,635	1.8	.6	7,675,006
1983.....	243,395	19,962	8.2	6,163,513	102,180	1.7	.5	8,353,098
1984.....	206,997	15,511	7.5	5,339,039	75,864	1.4	.4	9,203,815
1985.....	186,491	12,141	6.5	5,003,729	61,466	1.2	.3	9,214,216
1986.....	167,671	9,343	5.6	4,628,755	46,558	1.0	.3	8,704,296

<sup>1</sup> Represents multiple milk ring tests each year for the commercial dairy herd.

<sup>2</sup> Includes an increasing proportion of herds tested each year because of suspicious milk ring or market cattle test results.

<sup>3</sup> Percent of cattle infected based on results of tests conducted on farm and ranch, livestock markets, slaughter plants, and negative cattle represented under the milk ring testing program.

Animal and Plant Health Inspection Service.

**Table 469.—Milk and milkfat production: Number of producing cows, yield per cow, and total quantity produced, United States, 1973–87**

Year	Number of milk cows <sup>1</sup>	Production of milk and milkfat <sup>2</sup>				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat <sup>4</sup>
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
1973.....	11,413	10,119	370	3.66	115,491	4,225
1974.....	11,230	10,293	377	3.67	115,586	4,238
1975.....	11,139	10,360	381	3.68	115,398	4,240
1976.....	11,032	10,894	399	3.66	120,180	4,402
1977.....	10,945	11,206	410	3.65	122,654	4,481
1978.....	10,803	11,243	412	3.67	121,461	4,455
1979.....	10,734	11,492	420	3.66	123,350	4,512
1980.....	10,799	11,391	435	3.65	128,406	4,692
1981.....	10,898	12,183	444	3.64	132,770	4,836
1982.....	11,011	12,306	450	3.65	135,505	4,950
1983.....	11,098	12,585	460	3.66	139,672	5,105
1984.....	10,833	12,503	458	3.66	135,450	4,964
1985.....	11,016	12,994	476	3.67	143,147	5,249
1986.....	10,813	13,260	486	3.67	143,381	5,258
1987 <sup>3</sup> .....	10,334	13,786	504	3.65	142,462	5,204

<sup>1</sup> Average number during year, excluding heifers not yet fresh.<sup>2</sup> Excludes milk sucked by calves.<sup>3</sup> Preliminary.

National Agricultural Statistics Service.

**Table 470.—Milk: Quantities used and marketed by farmers, United States, 1973–87**

Year	Milk used on farms where produced			Milk marketed by producers			
	Fed to calves <sup>1</sup>	Consumed as fluid milk or cream	Total	Sold to plants and dealers <sup>2</sup>		Sold directly to consumers <sup>3</sup>	Total
				As whole milk	As farm separated cream		
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1973.....	1,584	1,766	3,350	109,948	673	1,520	112,141
1974.....	1,558	1,643	3,201	110,420	421	1,544	112,385
1975.....	1,566	1,495	3,061	110,460	314	1,563	112,337
1976.....	1,567	1,392	2,959	115,479	230	1,512	117,221
1977.....	1,541	1,283	2,824	118,154	182	1,495	119,831
1978.....	1,497	1,168	2,665	117,203	102	1,490	118,795
1979.....	1,442	1,040	2,483	119,379	( <sup>5</sup> )	1,489	120,869
1980.....	1,395	943	2,338	124,598	( <sup>5</sup> )	1,470	126,067
1981.....	1,418	886	2,304	128,994	( <sup>5</sup> )	1,472	130,467
1982.....	1,521	839	2,361	131,859	( <sup>5</sup> )	1,285	133,144
1983.....	1,527	842	2,369	136,090	( <sup>5</sup> )	1,211	137,301
1984.....	2,134	804	2,938	131,371	( <sup>5</sup> )	1,141	132,513
1985.....	1,747	709	2,456	139,436	( <sup>5</sup> )	1,255	140,691
1986.....	1,736	677	2,412	139,792	( <sup>5</sup> )	1,176	140,969
1987 <sup>4</sup> .....	1,528	674	2,203	139,058	( <sup>5</sup> )	1,201	140,259

<sup>1</sup> Excludes milk sucked by calves.<sup>2</sup> Includes milk produced by dealers' own herds.<sup>3</sup> Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds.<sup>4</sup> Includes milk used for farm-churned butter, beginning 1970.<sup>5</sup> Equivalent amount of milk included in whole milk to plants and dealers.<sup>6</sup> Preliminary.

National Agricultural Statistics Service.



Table 471.—Milk and milkfat production: Number of milk cows, yield per cow, and total quantity produced, by States, 1986

State	Number of milk cows <sup>1</sup>	Production of milk and milkfat <sup>2</sup>				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
AL.....	44	12,023	439	3.65	529	19.3
AK.....	2.2	14,318	498	3.48	31.5	1.1
AZ.....	86	15,907	587	3.69	1,368	50.5
AR.....	68	11,103	394	3.55	755	26.8
CA.....	1,013	17,019	618	3.63	17,240	625.8
CO.....	80	14,850	545	3.67	1,188	43.6
CT.....	43	13,953	516	3.70	600	22.2
DE.....	10.0	14,600	536	3.67	1,460	5.4
FL.....	179	12,050	429	3.56	2,157	76.8
GA.....	109	11,560	422	3.65	1,260	46.0
HI.....	11.5	13,565	446	3.29	156.0	5.1
ID.....	166	14,392	522	3.63	2,389	86.7
IL.....	221	12,403	456	3.68	2,741	100.9
IN.....	201	12,214	453	3.71	2,455	91.1
IA.....	335	11,579	424	3.66	3,879	142.0
KS.....	111	11,721	424	3.62	1,301	47.1
KY.....	227	10,251	376	3.67	2,327	85.4
LA.....	93	9,538	339	3.55	887	31.5
ME.....	52	13,346	502	3.76	694	26.1
MD.....	122	13,279	487	3.67	1,620	59.5
MA.....	42	13,310	498	3.74	559	20.9
MI.....	379	14,259	525	3.68	5,404	198.9
MN.....	891	11,912	434	3.64	10,614	386.3
MS.....	82	10,256	371	3.62	841	30.4
MO.....	227	12,907	469	3.63	2,930	106.4
MT.....	27	12,519	442	3.53	338	11.9
NE.....	108	12,500	458	3.66	1,350	49.4
NV.....	19.0	14,421	523	3.63	274.0	9.9
NH.....	28	13,321	502	3.77	373	14.1
NJ.....	36	13,306	433	3.63	479	17.4
NM.....	66	16,545	599	3.62	1,092	39.5
NY.....	934	12,551	461	3.67	11,723	430.2
NC.....	121	14,008	520	3.71	1,695	62.9
ND.....	97	11,072	402	3.63	1,074	39.0
OH.....	383	12,888	476	3.69	4,936	182.1
OK.....	111	10,721	388	3.62	1,190	43.1
OR.....	99	14,859	560	3.77	1,471	55.5
PA.....	734	13,831	508	3.67	10,152	372.6
RI.....	3.1	13,226	483	3.65	41.0	1.5
SC.....	47	12,021	444	3.69	565	20.8
SD.....	156	11,083	400	3.62	1,722	62.3
TN.....	207	10,729	397	3.70	2,221	82.2
TX.....	323	12,659	456	3.60	4,089	147.2
UT.....	79	14,646	521	3.56	1,157	41.2
VT.....	181	13,525	506	3.74	2,448	91.6
VA.....	155	13,877	508	3.66	2,151	78.7
WA.....	212	17,745	657	3.70	3,762	139.2
WV.....	33	11,364	418	3.68	375	13.8
WI.....	1,853	13,222	492	3.72	24,500	911.4
WY.....	10.8	12,130	439	3.62	131.0	4.7
U.S. <sup>3</sup> .....	10,813	13,260	486	3.67	143,381	5,258.0

<sup>1</sup> Average number during year, excluding heifers not yet fresh.<sup>2</sup> Excludes milk sucked by calves.<sup>3</sup> U.S. total will not add due to rounding.

National Agricultural Statistics Service.

Table 472.—Milk and milkfat production: Number of milk cows, yield per cow, and total quantity produced, by States, 1987 (preliminary)

State	Number of milk cows <sup>1</sup>	Production of milk and milkfat <sup>2</sup>				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
AL.....	40	12,550	456	3.68	502	18.2
AK.....	2.3	15,130	517	3.42	34.8	1.2
AZ.....	90	15,911	592	3.72	1,432	53.3
AR.....	64	11,688	415	3.55	748	26.6
CA.....	998	17,970	652	3.63	17,934	651.0
CO.....	75	15,893	583	3.67	1,192	43.7
CT.....	39	14,538	541	3.72	567	21.1
DE.....	9.5	14,632	540	3.69	139.0	5.1
FL.....	177	12,480	438	3.51	2,209	77.5
GA.....	99	11,667	424	3.63	1,155	41.9
HI.....	11.6	13,448	459	3.41	156.0	5.3
ID.....	159	14,937	539	3.61	2,375	85.7
IL.....	212	13,090	480	3.67	2,775	101.8
IN.....	194	12,448	462	3.71	2,415	89.6
IA.....	302	11,755	427	3.63	3,550	128.9
KS.....	105	11,819	433	3.66	1,241	45.4
KY.....	218	10,725	395	3.68	2,338	86.0
LA.....	88	9,966	355	3.56	877	31.2
ME.....	49	13,694	516	3.77	671	25.3
MD.....	114	13,228	487	3.68	1,508	55.5
MA.....	35	14,400	540	3.75	594	18.9
MI.....	361	14,537	528	3.63	5,248	190.5
MN.....	823	12,680	458	3.61	10,436	376.7
MS.....	72	10,917	395	3.62	786	28.5
MO.....	221	13,122	479	3.65	2,900	105.9
MT.....	25	13,240	466	3.52	331	11.7
NE.....	102	13,137	481	3.66	1,340	49.0
NV.....	19.0	14,632	527	3.60	278.0	10.0
NH.....	24	13,458	510	3.79	323	12.2
NJ.....	33	13,091	478	3.65	432	15.8
NM.....	58	16,879	601	3.56	979	34.9
NY.....	858	13,242	483	3.65	11,362	414.7
NC.....	110	14,136	526	3.72	1,555	57.8
ND.....	93	11,860	423	3.57	1,103	39.4
OH.....	370	13,000	478	3.68	4,810	177.0
OK.....	109	10,734	386	3.60	1,170	42.1
OR.....	92	15,989	598	3.74	1,471	55.0
PA.....	721	14,123	518	3.67	10,183	373.7
RI.....	2.9	13,793	509	3.69	40.0	1.5
SC.....	44	12,432	489	3.93	547	21.5
SD.....	148	11,885	428	3.60	1,759	63.3
TN.....	203	10,872	399	3.67	2,207	81.0
TX.....	329	13,070	467	3.57	4,300	153.5
UT.....	74	15,149	544	3.59	1,121	40.2
VT.....	174	13,851	517	3.73	2,410	89.9
VA.....	145	13,903	509	3.66	2,016	73.8
WA.....	208	18,091	668	3.69	3,763	138.9
WV.....	32	10,906	400	3.67	349	12.8
WI.....	1,795	13,816	510	3.69	24,800	915.1
WY.....	9.7	12,371	449	3.63	120.0	4.4
US <sup>3</sup> .....	10,334	13,786	504	3.65	142,462	5,204.2

<sup>1</sup> Average number during year, excluding heifers not yet fresh.<sup>2</sup> Excludes milk sucked by calves.<sup>3</sup> U.S. total will not add due to rounding.

National Agricultural Statistics Service.

**Table 473.—Milk: Quantities used and marketed by producers, by States, 1987**  
(preliminary)

State	Milk used where produced			Milk marketed by producers		
	Fed to calves <sup>1</sup>	Used for milk, cream, and butter	Total	Sold to plants and dealers <sup>2</sup>	Sold directly to consumers <sup>3 4</sup>	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
AL.....	2	2	4	498		498
AK.....	.8		1.2	33.3	0.3	33.6
AZ.....	5	1	6	1,426		1,426
AR.....	21	8	29	719		719
CA.....	49	8	57	17,527	350	17,877
CO.....	39	8	47	1,115	30	1,145
CT.....	6	3	9	540	18	558
DE.....	1.0	1.0	2.0	137.0		137.0
FL.....	6	3	9	2,200		2,200
GA.....	6	4	10	1,145		1,145
HI.....	1.4	.9	2.3	153.7		153.7
ID.....	38	7	45	2,330		2,330
IL.....	25	6	31	2,744		2,744
IN.....	30	10	40	2,375		2,375
IA.....	80	40	120	3,430		3,430
KS.....	16	5	21	1,220		1,220
KY.....	50	44	94	2,244		2,244
LA.....	6	11	17	860		860
ME.....	12	5	17	645	9	654
MD.....	10	4	14	1,494		1,494
MA.....	5	2	7	480	17	497
MI.....	60	15	75	5,160	13	5,173
MN.....	125	23	148	10,288		10,288
MS.....	4	6	10	770	6	776
MO.....	45	15	60	2,840		2,840
MT.....	9	6	15	313	3	316
NE.....	25	10	35	1,305		1,305
NV.....	3	2	5	273		273
NH.....	5	1	6	314	3	317
NJ.....	4	1	5	411	16	427
NM.....	6	6	12	940	27	967
NY.....	160	64	224	11,095	43	11,138
NC.....	12	29	41	1,514		1,514
ND.....	31	5	36	1,067		1,067
OH.....	25	20	45	4,750	15	4,765
OK.....	17	13	30	1,140		1,140
OR.....	23	9	32	1,383	56	1,439
PA.....	41	76	117	9,770	296	10,066
RI.....	1	0	1	36	3	39
SC.....	5	3	8	525	14	539
SD.....	9	7	16	1,743		1,743
TN.....	145	30	175	2,025	7	2,032
TX.....	30	6	36	4,230	34	4,264
UT.....	21	4	25	1,045	51	1,096
VT.....	26	11	37	2,370	3	2,373
VA.....	12	6	18	1,998		1,998
WA.....	17	4	21	3,570	172	3,742
WV.....	5	4	9	333	7	340
WI.....	248	124	372	24,420	8	24,428
WY.....	5	1	6	114		114
US <sup>5</sup> .....	1,528	674	2,203	139,058	1,201	140,259

<sup>1</sup> Excludes milk sucked by calves.

<sup>2</sup> Includes the equivalent amounts of milk for cream sold to plants and dealers and milk produced by dealers' own herds, except for New York and California, where such milk is included as sold directly to consumers.

<sup>3</sup> Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds.

<sup>4</sup> For States not published, sales are nominal. Included in milk sold to plants.

<sup>5</sup> Sum of parts may not equal sum of totals due to rounding.

National Agricultural Statistics Service.

Table 474.—Milk: Production in specified countries, 1985-87

Country	Production								
	Milk cows			Yield per cow			Total milk product <sup>1</sup>		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
1,000 head	1,000 head	1,000 head	Metric ton	Metric ton	Metric ton	1,000 metric tons	1,000 metric tons	1,000 metric tons	
Argentina.....	2,950	2,990	2,830	2.003	2.178	2.262	5,909	6,296	6,400
Australia <sup>3</sup> .....	1,804	1,770	1,711	3.473	3.506	3.707	6,265	6,205	6,343
Austria.....	995	989	953	3.779	3.781	3.809	3,760	3,739	3,630
Belgium/ Luxembourg....	1,031	1,012	950	3.957	4.163	4.242	4,080	4,213	4,030
Brazil.....	14,700	14,900	15,300	.707	.658	.719	10,400	9,800	11,000
Canada.....	1,542	1,486	7,431	5.117	5.333	5.587	7,331	7,925	7,990
China.....	1,200	1,460	1,840	2.083	1.959	1.875	2,499	2,960	3,450
Chile.....	660	670	680	1.576	1.687	1.618	1,040	1,130	1,100
Czechoslovakia...	1,830	1,820	1,820	3.760	3.783	3.791	6,883	6,985	6,900
Denmark.....	896	864	805	5.691	5.915	6.051	5,099	5,111	4,855
Finland.....	628	603	580	4.909	5.093	5.143	3,083	3,071	2,983
France.....	6,764	6,506	6,359	3.967	4.215	4.139	26,830	27,420	26,320
Germany, Dem. Rep. of.....	2,080	2,064	2,045	4.348	4.385	4.576	9,044	9,044	9,358
Germany, Fed. Rep. of.....	5,547	5,437	5,150	4.628	4.846	4.816	25,674	26,350	24,800
Greece.....	355	350	348	1.825	1.834	1.825	648	642	635
Hungary.....	624	591	580	4.634	4.623	4.724	2,723	2,732	2,740
India.....	27,700	28,600	27,500	.686	.681	.644	19,000	19,500	17,700
Ireland.....	1,549	1,528	1,490	3.904	3.906	3.855	6,047	5,816	5,744
Italy.....	3,174	3,021	3,000	3.222	3.402	3.433	10,227	10,278	10,300
Japan.....	1,101	1,099	1,051	6.701	6.785	7.022	7,378	7,457	7,380
Japan.....	5,087	6,890	6,300	1.360	1.358	1.424	6,920	8,000	8,971
Mexico.....	2,354	2,247	2,145	5.331	5.650	5.454	12,550	12,695	11,700
Netherlands.....	2,165	2,221	2,252	3.633	3.704	3.235	7,876	8,226	7,285
New Zealand <sup>4</sup> ...	381	374	357	5.178	5.219	5.515	1,975	1,952	1,969
Norway.....	690	695	700	.935	.938	.936	645	652	655
Peru.....	5,528	5,207	4,940	3.000	3.018	3.117	16,585	15,712	15,400
Poland.....	260	262	263	3.154	3.214	3.308	820	842	870
Romania.....	2,550	2,450	2,500	1.402	1.500	1.500	3,575	3,675	3,750
South Africa.....	1,885	1,75	1,950	1.234	1.239	1,074	2,327	2,200	2,095
Soviet Union.....	43,600	42,900	42,400	2.262	2.382	2,434	98,608	102,143	103,200
Spain.....	1,910	1,920	1,890	3.298	3.260	3,254	6,300	6,260	6,150
Sweden.....	646	600	588	5.720	5.888	5.947	3,695	3,533	3,497
Switzerland.....	816	806	801	4.712	4.770	4.822	3,845	3,845	3,855
United Kingdom.....	3,311	3,293	3,311	4.935	4.925	4,621	16,340	16,218	15,300
United States.....	11,025	10,839	10,430	5.889	6.030	6.184	64,930	65,354	64,500
Venezuela.....	1,345	1,370	1,420	1.218	1.234	1,225	1,638	1,690	1,740
Yugoslavia.....	2,640	2,600	2,580	1.772	1.793	1.793	4,679	4,661	4,625
Total.....	163,314	162,909	161,250				417,784	424,163	419,220

<sup>1</sup> May include milk other than cow's milk.<sup>2</sup> Preliminary.<sup>3</sup> Year ending June 30.<sup>4</sup> Year ending May 31.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 475.—Marketings, income, and value of milk production, by States, 1987  
(preliminary)

State	Milk sold to plants and dealers <sup>1</sup>				Milk sold directly to consumers <sup>3</sup>		
	Quantity	Percent fluid grade <sup>2</sup>	Price per 100 pounds	Cash receipts	Quantity	Price per quart	Cash receipts
	<i>Million pounds</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 quarts</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	498	99	14.70	73,206			
AK.....	33.3	100	20.10	6,693			
AZ.....	1,426	100	12.80	182,528	140	70	98
AR.....	719	95	14.20	102,098			
CA.....	17,527	97	11.43	2,002,336	162,791	50	81,395
CO.....	1,115	( <sup>5</sup> )	13.40	149,410	13,953	56	7,814
CT.....	540	100	13.50	72,900	8,372	56	4,688
DE.....	137.0	100	13.20	18,084			
FL.....	2,200	100	16.40	360,800			
GA.....	1,145	100	14.20	162,590			
HI.....	153.7	100	20.30	* 31,201			
ID.....	2,330	66	11.50	267,950			
IL.....	2,744	85	12.60	345,744			
IN.....	2,375	90	12.70	301,625			
IA.....	3,430	72	12.10	415,030			
KS.....	1,220	87	12.50	152,500			
KY.....	2,244	88	12.90	289,476			
LA.....	860	100	14.40	123,840			
ME.....	645	100	13.80	89,010	4,186	48	2,009
MD.....	1,494	100	13.10	195,714			
MA.....	480	100	13.70	65,760	7,907	57	4,507
MI.....	5,160	97	12.60	650,160	6,047	50	3,023
MN.....	10,288	71	11.86	1,220,157			
MS.....	770	97	14.00	107,800	2,791	55	1,535
MO.....	2,840	86	12.40	352,160			
MT.....	313	98	12.50	39,125	1,395	45	628
NE.....	1,305	67	12.40	161,820			
NV.....	273	100	12.50	34,125			
NH.....	314	100	13.50	42,390	1,395	55	767
NJ.....	411	100	13.10	53,841	7,442	50	3,721
NM.....	940	100	12.70	119,380	12,558	63	7,912
NY.....	11,095	100	12.70	1,409,065	20,000	52	10,400
NC.....	1,514	95	14.70	222,558			
ND.....	1,067	49	11.10	118,437			
OH.....	4,750	90	12.70	603,250	6,977	65	4,535
OK.....	1,140	95	13.40	152,760			
OR.....	1,383	96	12.40	171,492	26,047	45	11,721
PA.....	9,770	99	13.10	1,279,870	137,674	44	60,577
RI.....	36	100	13.60	4,896	1,395	56	781
SC.....	525	100	15.20	79,800	6,512	64	4,167
SD.....	1,743	49	11.70	203,931			
TN.....	2,025	90	13.40	271,350	3,256	53	1,726
TX.....	4,230	100	13.70	579,510	15,814	52	8,223
UT.....	1,045	82	11.90	124,355	23,721	42	9,963
VT.....	2,370	100	13.20	312,840	1,395	55	767
VA.....	1,998	96	13.50	269,730			
WA.....	3,570	100	12.20	435,540	80,000	46	36,800
WV.....	333	( <sup>5</sup> )	12.50	41,625	3,256	70	2,279
WI.....	24,420	76	12.15	2,967,030	3,721	42	1,563
WY.....	114	( <sup>5</sup> )	11.70	13,338			
US.....	139,058	89	* 12.54	17,451,830	558,744	48.6	271,600

See footnotes at end of table.

Table 475.—Marketings, income, and value of milk production, by States, 1987  
(preliminary)—Continued

State	Combined marketing of milk and cream				Used for milk, cream, and butter where produced		Gross producer income <sup>8</sup>	Value of all milk produced <sup>7, 9</sup>
	Milk utilized	Average returns <sup>6</sup>		Cash receipts from marketings	Milk utilized	Value <sup>7</sup>		
		Per 100 pounds milk	Per pound milkfat					
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Million pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	498	14.70	4.05	73,206	2	294	73,500	73,794
AK.....	33.6	20.21	5.91	6,791	4	81	6,872	7,034
AZ.....	1,426	12.80	3.44	182,528	1	128	182,656	183,296
AR.....	719	14.20	4.00	102,098	8	1,136	103,234	106,216
CA.....	17,877	11.66	3.21	2,084,781	8	933	2,085,664	2,091,379
CO.....	1,145	13.73	3.74	157,224	8	1,099	158,322	163,678
CT.....	558	13.90	3.74	77,588	3	417	78,006	78,840
DE.....	187.0	13.20	3.58	18,084	1.0	132	18,216	18,948
FL.....	2,200	16.40	4.67	360,800	3	492	361,292	362,276
GA.....	1,145	14.20	3.91	162,590	4	568	163,158	164,010
HI.....	153.7	20.30	5.95	31,201	9	183	31,384	31,668
ID.....	2,380	11.50	3.19	267,950	7	805	268,755	273,125
IL.....	2,744	12.60	3.43	345,744	6	756	346,500	349,650
IN.....	2,375	12.70	3.42	301,625	10	1,270	302,895	306,705
IA.....	3,480	12.10	3.33	415,030	40	4,840	419,870	429,550
KS.....	1,220	12.50	3.42	152,500	5	625	153,125	155,125
KY.....	2,244	12.90	3.51	289,476	44	5,676	295,152	301,602
LA.....	860	14.40	4.04	123,840	11	1,584	125,424	126,288
ME.....	654	13.92	3.69	91,019	5	696	91,715	93,385
MD.....	1,494	13.10	3.56	195,714	4	524	196,238	197,548
MA.....	497	14.14	3.77	70,267	2	283	70,550	71,257
MI.....	5,173	12.63	3.48	653,183	15	1,894	655,077	662,653
MN.....	10,288	11.86	3.29	1,220,157	23	2,728	1,222,885	1,237,710
MS.....	776	14.09	3.89	109,335	6	845	110,180	110,744
MO.....	2,840	12.40	3.40	352,160	15	1,860	354,020	359,600
MT.....	316	12.58	3.57	39,753	6	755	40,508	41,640
NE.....	1,305	12.40	3.39	161,820	10	1,240	163,060	166,160
NV.....	273	12.50	3.47	34,125	2	250	34,375	34,750
NH.....	317	13.61	3.59	43,157	1	136	43,294	43,974
NJ.....	427	13.48	3.69	57,562	1	135	57,697	58,236
NM.....	967	13.16	3.70	127,292	6	790	128,081	128,871
NY.....	11,138	12.74	3.49	1,419,465	64	8,156	1,427,621	1,448,012
NC.....	1,514	14.70	3.95	222,558	29	4,263	226,821	228,585
ND.....	1,067	11.10	3.11	118,437	5	555	118,992	122,433
OH.....	4,765	12.76	3.47	607,785	20	2,551	610,336	613,525
OK.....	1,140	13.40	3.72	152,760	13	1,742	154,502	156,780
OR.....	1,439	12.73	3.40	183,213	9	1,146	184,359	187,287
PA.....	10,066	13.32	3.63	1,340,447	76	10,121	1,350,567	1,356,027
RI.....	39	14.56	3.95	5,677	0	0	5,677	5,823
SC.....	539	15.58	3.96	83,967	3	467	84,435	85,214
SD.....	1,743	11.70	3.25	203,931	7	819	204,750	205,303
TN.....	2,032	13.44	3.66	273,076	30	4,032	277,107	296,593
TX.....	4,264	13.78	3.86	587,733	6	827	588,560	592,695
UT.....	1,096	12.26	3.41	134,318	4	490	134,808	137,382
VT.....	2,373	13.22	3.54	313,607	11	1,454	315,061	318,497
VA.....	1,998	13.50	3.69	269,730	6	810	270,540	272,160
WA.....	3,742	12.62	3.42	472,340	4	505	472,845	474,991
WV.....	340	12.91	3.52	43,904	4	517	44,421	45,066
WI.....	24,428	12.15	3.29	2,968,593	124	15,069	2,983,662	3,013,800
WY.....	114	11.70	3.22	13,338	1	117	13,465	14,040
US.....	140,259	12.64	3.46	17,723,430	674	86,794	17,810,224	18,003,824

<sup>1</sup> Includes the equivalent amounts of milk for cream sold to plants and dealers.

<sup>2</sup> Percentage of milk sold to plants and dealers that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured dairy products.

<sup>3</sup> Also includes milk produced by institutional herds.

<sup>4</sup> Based on unrounded value. Includes milk sold directly to consumers.

<sup>5</sup> Not published to avoid disclosing individual operations.

<sup>6</sup> Cash receipts divided by milk for milkfat represented in combined marketings.

<sup>7</sup> Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

<sup>8</sup> Cash receipts from marketings of milk and cream plus value of milk used for home consumption and producer-churned butter.

<sup>9</sup> Includes value of milk fed to calves.

National Agricultural Statistics Service.

Table 476.—Marketings, income and value of milk production, United States, 1973-87

Year	Milk sold to plants and dealers			Cream sold to plants and dealers <sup>1</sup>			Milk sold directly to consumers		
	Quantity	Price per 100 pounds	Cash receipts	Quantity milkfat	Price per pound fat	Cash receipts	Quantity	Price per quart	Cash receipts
	<i>Million pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 quarts</i>	<i>Cents</i>	<i>1,000 dollars</i>
1973.....	109,948	7.14	7,854,895	24,288	67.3	16,338	706,946	31.0	218,936
1974.....	110,420	8.33	9,193,111	15,287	63.2	9,669	717,955	34.9	250,867
1975.....	110,460	8.75	9,664,349	11,437	70.3	8,039	726,837	35.4	257,362
1976.....	115,479	9.66	11,158,050	8,350	83.4	6,966	703,114	36.4	255,651
1977.....	118,154	9.72	11,488,120	6,586	92.0	6,058	695,162	36.7	255,314
1978.....	117,203	10.60	12,400,075	3,679	102.0	3,762	693,210	38.8	268,990
1979.....	119,379	12.02	14,347,397				692,698	42.3	293,347
1980.....	124,598	13.05	16,259,004				683,488	45.3	309,484
1981.....	128,994	13.77	17,764,463				684,744	48.3	330,763
1982.....	131,859	13.61	17,945,778				597,767	48.1	287,693
1983.....	136,090	13.58	18,484,507				563,395	48.4	272,423
1984.....	131,371	13.46	17,682,385				530,837	49.2	261,233
1985.....	139,436	12.75	17,778,640				583,860	48.7	284,321
1986.....	139,792	12.51	17,488,800				547,116	48.3	264,388
1987 <sup>2</sup> .....	139,058	12.54	17,451,830				558,744	48.6	271,600

  

Year	Combined marketings of milk and cream				Used for milk, cream, and butter on farms where produced		Gross farm income from dairy products <sup>5</sup>	Farm value of all milk produced <sup>4*</sup>
	Milk utilized	Average returns <sup>3</sup>		Cash receipts from marketings	Milk utilized	Value <sup>4</sup>		
		Per 100 pounds milk	Per pound milkfat					
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Million pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	112,141	7.21	1.97	8,090,169	1,766	129,431	8,219,600	8,331,450
1974.....	112,385	8.41	2.29	9,453,647	1,643	140,079	9,593,726	9,723,186
1975.....	112,337	8.84	2.41	9,929,750	1,495	133,026	10,062,776	10,198,831
1976.....	117,221	9.74	2.66	11,420,667	1,392	136,765	11,557,432	11,706,043
1977.....	119,831	9.81	2.68	11,749,492	1,283	126,448	11,875,940	12,023,440
1978.....	118,795	10.67	2.91	12,672,827	1,168	125,155	12,797,982	12,956,601
1979.....	120,869	12.11	3.31	14,640,744	1,040	127,038	14,767,781	14,941,518
1980.....	126,067	13.14	3.60	16,568,488	943	124,815	16,693,303	16,875,623
1981.....	130,467	13.87	3.81	18,095,225	886	124,050	18,219,275	18,415,052
1982.....	133,144	13.69	3.75	18,233,471	839	115,809	18,349,280	18,559,413
1983.....	137,301	13.66	3.74	18,756,930	842	115,894	18,872,823	19,081,427
1984.....	132,513	13.54	3.69	17,943,618	804	109,831	18,053,449	18,340,937
1985.....	140,691	12.84	3.50	18,062,961	709	92,329	18,155,290	18,379,194
1986.....	140,969	12.59	3.43	17,753,188	677	86,296	17,839,484	18,058,057
1987 <sup>2</sup> .....	140,259	12.64	3.46	17,723,430	674	86,794	17,810,224	18,003,824

<sup>1</sup> After 1978 equivalent amounts of milk included in milk sold to plants and dealers.<sup>2</sup> Preliminary.<sup>3</sup> Cash receipts divided by milk or milkfat represented in combined marketings.<sup>4</sup> Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.<sup>5</sup> Cash receipts from marketings of milk and cream plus value of milk used for home consumption and producer-churned butter.<sup>6</sup> Includes value of milk fed to calves.

National Agricultural Statistics Service.

Table 477.—Federal Milk Order Markets: Measures of growth, 1973–87

Year	Markets <sup>1</sup>	Population of Federal milk marketing areas <sup>2</sup>		Handlers <sup>1</sup>	Producers <sup>3</sup>	Producer deliveries	Producer deliveries used in Class I	Percentage of producer deliveries used in Class I
		Number	Thousands					
1973.....	61	141,472	1,355	131,565	66,229	40,519	61.2	
1974.....	61	141,546	1,312	126,805	67,778	39,293	58.0	
1975.....	56	144,467	1,315	123,855	69,149	40,106	57.9	
1976.....	50	149,493	1,305	122,675	74,586	40,985	54.9	
1977.....	47	150,093	1,260	122,755	77,947	41,125	52.8	
1978.....	47	150,131	1,189	119,326	78,091	41,143	52.7	
1979.....	47	150,131	1,127	116,447	79,436	41,011	51.6	
1980.....	47	164,908	1,091	117,490	83,998	41,034	48.9	
1981.....	48	165,459	1,058	119,323	87,989	40,746	46.3	
1982.....	49	169,770	1,010	120,743	91,611	40,807	44.5	
1983.....	46	170,882	958	121,052	95,757	41,091	45.3	
1984.....	45	171,044	912	119,033	91,676	41,517	45.3	
1985.....	44	168,565	884	116,765	97,762	42,201	43.2	
1986.....	44	168,574	850	112,271	98,791	42,724	43.2	
1987.....	43	169,499	797	105,896	96,163	42,897	43.7	

  

Year	Prices at 3.5 percent butterfat content per hundredweight <sup>4</sup>		Receipts as percentage of milk sold to plants and dealers		Daily deliveries per producer	Gross value of blend price adjusted for butterfat content	
	Class I	Blend	Fluid grade	All milk		Per producer	All producers
	Dollars	Dollars	Percent	Percent	Pounds	Dollars	1,000 dollars
1973.....	8.03	7.31	78	60	1,386	37,461	4,928,514
1974.....	9.35	8.36	78	61	1,464	45,376	5,753,852
1975.....	9.36	8.64	78	63	1,532	49,233	6,097,768
1976.....	10.70	9.75	80	65	1,661	60,277	7,394,486
1977.....	10.59	9.69	80	66	1,740	62,692	7,695,764
1978.....	11.40	10.57	80	67	1,793	70,528	8,415,787
1979.....	12.88	11.97	80	66	1,870	83,262	9,695,637
1980.....	13.77	12.86	80	67	1,954	93,685	11,007,001
1981.....	14.69	13.63	80	68	2,021	102,354	12,213,199
1982.....	14.63	13.53	81	69	2,079	104,591	12,628,576
1983.....	14.69	13.53	82	70	2,168	109,142	13,211,805
1984.....	14.41	13.33	81	70	2,104	104,944	12,491,788
1985.....	13.88	12.61	80	70	2,294	107,871	12,595,522
1986.....	13.60	12.38	80	70	2,413	111,581	12,515,451
1987.....	13.89	12.50	80	70	2,540	118,284	12,525,853

<sup>1</sup> End of year. (Date on which pricing provisions became effective.) <sup>2</sup> End of year. Data for 1973-79 and 1980-87 (according to the 1970 and 1980 U.S. Census of Population, respectively.) <sup>3</sup> Average for year. <sup>4</sup> Weighted averages.

Agricultural Marketing Service.



Table 478.—Dairy products: Factory production of specified items, by States, 1985-87

State	Butter			Total American cheese <sup>2</sup>			Total cheese <sup>3</sup>		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
AL									
AZ									
AR							23,166		
CA	228,776	214,641	215,191	168,459	190,116	218,538	374,228	443,370	492,852
CO									
CT							5,213		
DE									
FL									
GA									
ID	17,744			110,010	97,676	91,879	140,421	132,885	140,839
IL							104,377	96,485	97,779
IN	19,471			43,842	41,959	35,331	45,081	41,959	35,331
IA	17,168			119,744	116,436	123,163	233,626	231,726	245,701
KS	17,501	17,230	17,365	28,665	30,249	29,080	36,446	38,917	39,881
KY				34,693	34,271	25,257	52,399	52,711	44,923
LA									
ME									
MD									
MA	1,270								
MI	45,608	37,677	27,495	20,576	22,110	24,751	51,387	53,566	55,075
MN	156,035	156,678	141,003	549,482	515,151	521,338	595,144	566,872	580,944
MS					11,318	6,296	12,570	11,522	6,500
MO	23,151	21,927	17,297	59,120	69,268	60,918	141,386	152,581	148,261
MT	1,794								
NE				20,235	18,327		81,998	92,248	94,072
NV									
NH									
NJ							43,394	43,375	44,455
NM									
NY	41,884	40,541	26,839	82,498	78,383	85,550	449,026	484,300	500,996
NC									
ND	5,479	6,086	5,200	53,991	48,493	44,948	53,991	48,493	44,948
OH	19,858	20,290	13,539	33,354	30,807	29,607	106,608	107,487	97,953
OK			13,463						
OR	15,500	12,886	12,791	31,091	26,716	30,896	31,233	26,812	30,997
PA	64,230	68,215	57,232				221,595	227,898	223,303
RI									
SC									
SD				91,458	85,016	78,435	131,777	127,259	134,082
TN							20,470	17,513	16,012
TX									
UT	8,315	7,936	9,007	44,282	41,035	33,097	71,088	68,450	58,017
VT							105,175	106,587	106,444
VA							6,445	5,826	3,093
WA	84,496	86,067	81,954	30,752	33,565	32,178	51,851	57,175	57,879
WI	295,582	273,939	261,493	1,089,231	1,081,188	1,031,110	1,778,265	1,813,542	1,874,492
WV									
US <sup>4</sup>	1,247,792	1,202,392	1,104,135	2,855,230	2,798,160	2,716,659	5,080,942	5,209,252	5,344,223

See footnotes at end of table.

**Table 478.—Dairy products: Factory production of specified items, by States, 1985-87—  
Continued**

State	Evaporated and sweetened condensed whole milk (case goods) <sup>5</sup>			Nonfat dry milk for human food			Total ice cream		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 gallons	1,000 gallons	1,000 gallons
AL.....							17,316	18,983	20,788
AZ.....							6,537	6,711	6,906
AR.....							6,554	6,629	6,200
CA.....				314,848	273,940	287,761	103,213	106,560	108,288
CO.....							9,763	10,335	9,948
CT.....									
DE.....									
FL.....							37,041	37,180	32,621
GA.....							9,497	9,768	9,577
ID.....							4,626	5,063	
IL.....							29,520	31,504	29,471
IN.....							30,694	28,347	27,666
IA.....				97,153	94,881	80,430	21,214	24,126	23,926
KS.....							7,651	7,171	8,371
KY.....									
LA.....							9,158	8,477	7,564
ME.....							1,108	1,055	
MD.....							15,644	17,695	17,529
MA.....							46,992	45,186	48,826
MI.....				105,938	94,559	71,462	35,334	33,520	34,508
MN.....				170,601	184,241	149,781	37,057	38,906	41,080
MS.....							4,333	3,109	3,321
MO.....							19,242	20,631	22,165
MT.....							1,895	1,882	1,511
NE.....									
NV.....									
NH.....									
NJ.....							25,794	23,536	22,038
NM.....									
NY.....				58,065	51,625	22,731	46,434	47,456	46,984
NC.....							29,711	31,377	30,269
ND.....				7,664	7,736	3,958	2,225	2,074	2,048
OH.....					24,737		45,106	45,444	43,804
OK.....							12,442	12,272	12,887
OR.....							8,865	8,429	8,363
PA.....							84,275	88,413	90,297
RI.....									
SC.....							11,505	11,984	15,155
SD.....									
TN.....							19,119	21,075	21,267
TX.....							52,619	55,239	55,648
UT.....							8,712	9,447	9,824
VT.....									
VA.....							14,468	13,319	14,324
WA.....							18,153	18,557	18,652
WV.....							3,118	2,998	2,755
WI.....				123,158	95,618	60,477	21,651	23,061	25,434
US <sup>4</sup> .....	635,292	584,426	579,722	1,390,033	1,284,143	1,059,049	901,449	923,597	931,398

<sup>1</sup> Preliminary.

<sup>2</sup> Includes colby, washed curd, high and low moisture jack, Monterey, and granular cheese.

<sup>3</sup> Includes full-skim American cheese; excludes cottage cheese.

<sup>4</sup> Includes data for individual States which have less than 3 plants and are not shown separately.

<sup>5</sup> Combined to avoid disclosure of individual operations.

National Agricultural Statistics Service.

**Table 479.—Milk cows, milk, and fat in cream: Average prices received by farmers, United States, 1973-87**

Year	Milk cows, per head <sup>1</sup>	Milk per 100 pounds <sup>2</sup>						Milkfat in cream, per pound <sup>4</sup>
		Eligible for fluid market <sup>3</sup>		Of manufacturing grade		All milk wholesale		
		Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Percent</i>	<i>Cents</i>
1973 .....	496.00	7.42	3.66	6.20	3.65	7.14	3.66	67.2
1974 .....	500.00	8.66	3.67	7.13	3.66	8.33	3.67	63.5
1975 .....	412.00	9.02	3.67	7.63	3.66	8.75	3.67	71.0
1976 .....	477.00	9.93	3.67	8.56	3.65	9.66	3.66	83.4
1977 .....	504.00	9.96	3.65	8.70	3.66	9.72	3.65	92.0
1978 .....	675.00	10.80	3.66	9.65	3.67	10.60	3.67	102.0
1979 .....	1,040.00	12.20	3.65	11.10	3.68	12.00	3.66	119.0
1980 .....	1,190.00	13.23	3.65	12.01	3.67	13.05	3.65	( <sup>5</sup> )
1981 .....	1,200.00	13.95	3.64	12.72	3.66	13.77	3.64	
1982 .....	1,110.00	13.80	3.65	12.60	3.68	13.61	3.65	
1983 .....	1,030.00	13.75	3.65	12.61	3.67	13.58	3.65	
1984 .....	895.00	13.61	3.66	12.49	3.69	13.46	3.66	
1985 .....	860.00	12.90	3.67	11.72	3.68	12.75	3.67	
1986 .....	820.00	12.62	3.66	11.46	3.68	12.50	3.67	
1987 .....	920.00	12.68	3.65	11.37	3.66	12.54	3.65	

  

Year	Prices paid by plants for manufacturing grade milk of average fat test for specific purposes <sup>6</sup>							
	Milk for evaporated milk <sup>7</sup>		Milk for butter and byproducts		Milk for cheese			
	Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	American cheese		All cheese	
					Price per 100 lb.	Fat test	Price per 100 lb.	Fat test
	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Percent</i>
1973 .....	5.64	3.67	6.10	3.61	6.33	3.67	6.35	3.66
1974 .....	7.13	3.64	7.00	3.63	7.16	3.67	7.19	3.67
1975 .....	7.40	3.62	7.60	3.65	7.70	3.68	7.75	3.68
1976 .....	8.32	3.63	8.39	3.60	8.60	3.65	8.65	3.66
1977 .....	8.45	3.60	8.58	3.60	8.73	3.66	8.77	3.67
1978 .....	9.22	3.60	9.54	3.63	9.71	3.68	9.76	3.68
1979 .....	10.64	3.57	10.84	3.65	11.09	3.69	11.14	3.69
1980 .....	11.49	3.56	11.95	3.64	12.04	3.68	12.08	3.68
1981 <sup>8</sup> .....	12.29	3.59	12.64	3.62	12.74	3.67	12.78	3.67

<sup>1</sup> Simple average of monthly prices, by States, weighted by the number of milk cows on farms Jan. 1 of the current year.

<sup>2</sup> Average price at average fat test for all milk sold at wholesale to plants and dealers, based on reports from milk-market administrators, cooperative milk-market associations, whole-milk distributors, and milk-products manufacturing plants, f.o.b. plant or receiving station (whichever is the customary place for determining prices) before hauling costs are deducted and including all premiums.

<sup>3</sup> Milk eligible for fluid market, including surplus diverted to manufacturing.

<sup>4</sup> Weighted average of monthly prices, by States, weighted by the estimated quantity of fat sold.

<sup>5</sup> Estimate discontinued.

<sup>6</sup> Monthly average prices and tests weighted by estimated production in each month. Price f.o.b. factory or local receiving station (whichever is the customary place for determining prices) before hauling costs are deducted and including all premiums.

<sup>7</sup> Includes milk for canned condensed milk.

<sup>8</sup> Data not available after 1981.

National Agricultural Statistics Service.

**Table 480.—Milk markets under Federal order program: Whole milk and lowfat and skim milk products sold for fluid consumption within defined marketing areas, 1986 and 1987 <sup>1</sup>**

Federal milk order marketing area	Whole milk items <sup>2</sup>				Lowfat and skim milk items <sup>3</sup>				Total fluid milk items			
	Quantity		Milkfat test		Quantity		Milkfat test		Quantity		Milkfat test	
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Percent</i>	<i>Percent</i>
Alabama-West Florida.....	528,385	511,167	3.30	3.30	372,573	401,202	1.39	1.43	900,907	912,369	2.51	2.48
Black Hills, South Dakota.....	12,162	11,957	3.34	3.31	24,609	26,107	1.82	1.87	36,771	38,065	2.33	2.32
Central Arizona.....	320,451	312,207	3.49	3.51	436,128	462,696	1.71	1.71	756,579	774,904	2.47	2.43
Central Arkansas.....	135,486	127,271	3.33	3.29	90,772	94,393	1.54	1.57	226,258	221,664	2.61	2.56
Central Illinois.....	57,720	54,856	3.26	3.25	135,413	142,322	1.76	1.77	193,132	197,178	2.21	2.18
Chicago Regional, Ill.-Wis.....	892,722	851,440	3.28	3.28	1,889,890	1,915,022	1.69	1.66	2,782,612	2,766,462	2.20	2.16
Eastern Colorado, Colo.-Kans.....	246,440	239,382	3.28	3.28	388,343	401,842	1.72	1.72	634,783	641,224	2.33	2.30
Eastern Ohio-Western Pa., Ohio-W. Va.-Pa.....	839,346	784,393	3.25	3.26	1,037,854	1,087,959	1.78	1.75	1,877,200	1,872,352	2.44	2.38
Eastern South Dakota, S. Dakota- Iowa-Minn.....	18,014	16,757	3.28	3.25	92,474	93,118	1.68	1.67	110,488	109,874	1.96	1.91
Fort Smith, Arkansas <sup>4</sup> .....	25,550	9,327	3.18	3.21	15,690	6,272	1.49	1.45	41,239	15,599	2.53	2.50
Georgia.....	676,282	660,054	3.28	3.27	459,601	483,986	1.33	1.35	1,135,883	1,144,040	2.49	2.46
Great Basin, Utah-Nev.-Wyo.....	142,007	132,991	3.24	3.27	395,282	423,173	1.80	1.77	537,289	556,165	2.18	2.13
Greater Kansas City, Mo.-Kans.....	205,389	197,495	3.26	3.25	324,654	339,052	1.62	1.63	530,042	536,547	2.26	2.22
Greater Louisiana.....	393,477	368,039	3.46	3.32	188,809	193,181	1.51	1.49	582,286	561,220	2.83	2.69
Indiana.....	365,758	329,168	3.23	3.26	832,102	857,570	1.75	1.74	1,197,860	1,186,738	2.20	2.16
Iowa, Iowa-III.....	132,626	125,886	3.32	3.31	493,424	502,017	1.68	1.61	626,050	627,403	2.00	1.95
Lake Mead, Nev.-Utah.....	87,613	88,946	3.43	3.42	77,577	79,773	1.80	1.79	165,189	168,720	2.66	2.65
Louisville-Lex.-Evans, Ky.-Ind.....	255,945	247,550	3.28	3.29	410,270	423,349	1.76	1.74	666,215	670,899	2.35	2.31
Lubbock-Plainview, Texas.....	62,879	58,467	3.34	3.31	26,372	27,067	1.42	1.43	89,252	85,534	2.77	2.71
Memphis, Tenn.-Miss.-Ark.....	110,864	108,134	3.31	3.27	96,211	98,864	1.43	1.48	207,075	206,998	2.44	2.42
Michigan Upper Peninsula, Mich.-Wis.....	23,814	22,578	3.33	3.28	65,897	70,466	1.68	1.69	89,711	93,044	2.11	2.08
Middle Atlantic, Del.-D.C.-Md.- N.J.-Pa.-Va.....	1,641,624	1,613,609	3.27	3.27	1,205,999	1,273,097	1.46	1.47	2,847,623	2,886,706	2.50	2.48
Nashville, Tenn.-Ky.....	192,678	187,924	3.33	3.35	165,177	173,272	1.48	1.49	357,855	361,197	2.48	2.46
Nebraska-Western Iowa, Nebr.- Iowa-S. Dak.....	140,776	129,631	3.25	3.23	334,479	339,235	1.62	1.60	475,255	468,866	2.10	2.05
New England, Mass.-Conn.- N.H.-R.I.-Vt.....	1,730,670	1,657,538	3.30	3.32	1,020,238	1,099,911	1.12	1.18	2,750,908	2,757,449	2.49	2.47
New Orleans-Mississippi, La.-Miss.....	525,030	492,594	3.54	3.31	266,185	281,897	1.28	1.31	791,214	774,491	2.79	2.58
New York-New Jersey.....	3,218,846	3,203,116	3.38	3.38	1,291,660	1,276,570	1.27	1.27	4,510,506	4,479,686	2.78	2.78
Ohio Valley, Ind.-Ky.- Mich.-Ohio-W. Va.....	715,488	683,707	3.26	3.25	1,154,168	1,178,291	1.77	1.76	1,869,657	1,861,998	2.34	2.31

Oregon-Washington.....	223,397	204,333	3.33	3.34	648,221	684,545	1.73	1.72	871,617	888,878	2.14	2.09
Paducah, Ky.-Mo.....	42,480	38,720	3.23	3.26	39,174	40,003	1.60	1.63	81,655	78,723	2.45	2.43
Puget Sound-Inland, Wash., Idaho.....	264,143	264,474	3.31	3.30	657,727	706,493	1.77	1.75	921,870	970,967	2.21	2.17
Rio Grande Valley, N. Mex., Texas-Colo.....	306,321	290,406	3.34	3.36	114,670	119,965	1.50	1.53	420,990	410,371	2.84	2.82
Southeastern Florida.....	542,541	554,917	3.32	3.29	296,348	315,059	1.32	1.32	838,889	869,976	2.61	2.58
Southern Illinois.....	162,028	154,380	3.25	3.24	326,766	343,099	1.76	1.76	488,793	497,479	2.26	2.22
Southern Michigan.....	937,084	870,799	3.26	3.26	991,338	1,046,060	1.36	1.38	1,928,422	1,918,859	2.29	2.23
Southwestern Idaho-Eastern Oregon.....	43,191	40,450	3.29	3.26	102,568	106,738	1.79	1.79	145,759	147,188	2.24	2.19
Southwest Plains, Okla., Kans., Mo. <sup>5</sup> .....	595,258	627,136	3.25	3.27	382,103	481,296	1.53	1.55	977,361	1,108,433	2.53	2.52
Tampa Bay, Fla.....	405,873	396,180	3.29	3.29	312,175	337,764	1.16	1.20	718,048	733,944	2.36	2.32
Tenn. Val.-Ky.-Va.-W. Va., Ga.....	338,661	325,478	3.29	3.30	373,489	386,827	1.54	1.56	712,150	712,305	2.37	2.36
Texas.....	1,968,442	1,879,605	3.35	3.31	959,486	1,031,933	1.39	1.42	2,927,928	2,911,538	2.71	2.65
Texas Panhandle, Texas-Okla.....	57,520	54,015	3.27	3.29	20,159	20,812	1.45	1.50	77,679	74,828	2.80	2.79
Upper Florida.....	467,661	454,145	3.29	3.28	329,059	354,864	1.20	1.26	796,720	809,009	2.42	2.40
Upper Midwest, Minn.-Wis.-N.D.-S.D.-Iowa.....	213,350	197,702	3.27	3.27	1,161,033	1,215,633	1.47	1.45	1,374,383	1,413,335	1.75	1.71
Western Colorado.....	27,418	25,218	3.21	3.26	29,258	33,935	1.71	1.71	56,676	59,154	2.43	2.37

<sup>1</sup> In-area sales include total sales in each of the areas by handlers regulated under the respective order, by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore, some handlers' in-area sales are partially estimated. <sup>2</sup> Plain, flavored, and miscellaneous whole milk products. <sup>3</sup> Plain, fortified, and flavored skim and lowfat milk, buttermilk, and miscellaneous skim and lowfat milk products. <sup>4</sup> Effective May 1, 1987, the Fort Smith marketing area was merged into the Southwest Plains marketing area. The data for 1987 are for January-April. <sup>5</sup> Effective May 1, 1987, the Southwest Plains marketing area was expanded to include the old Fort Smith marketing area and previously unregulated area in northwestern Arkansas and southwestern Missouri.

Agricultural Marketing Service.

Table 481.—Milk: Supply and

Item	1973	1974	1975	1976
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Milk production.....	115,491	115,586	115,398	120,180
Net imports of ingredients (milk equivalent) <sup>2</sup> .....	819	181	181	219
Net change in storage cream (milk equivalent) <sup>3</sup> .....	3	-33	-17	39
<b>Total supply</b> .....	<b>116,313</b>	<b>115,734</b>	<b>115,562</b>	<b>120,438</b>
Utilization (milk equivalent):				
Used in manufactured products:				
Creamery butter, total milk equivalent.....	20,663	21,571	21,992	21,947
Milk equivalent of butter from whey cream.....	2,054	2,237	2,119	2,543
Net milk equivalent.....	18,609	19,334	19,873	19,404
Cheese:				
American.....	16,760	18,550	16,452	20,581
Other.....	6,845	7,119	7,431	8,182
Cottage cheese, creamed.....	1,138	1,018	1,028	1,050
Canned milk:				
Evaporated and sweetened condensed.....	2,375	2,223	2,020	1,892
Bulk condensed whole milk:				
Unsweetened.....	381	432	510	435
Sweetened.....	179	160	176	208
Dry whole milk.....	577	499	464	554
Ice cream and other frozen dairy products, total milk equivalent.....	13,130	13,277	14,046	13,722
Milk equivalent of butter and condensed milk used in ice cream.....	2,060	2,089	2,148	2,099
Net milk equivalent.....	11,070	11,188	11,898	11,623
Other manufactured products <sup>4</sup> .....	744	804	672	744
<b>Total manufactured products</b> .....	<b>58,678</b>	<b>61,327</b>	<b>60,524</b>	<b>64,673</b>
Available for use in fluid products:				
Sold by dealers.....	50,893	48,970	49,560	49,990
Sold by producers directly to consumers <sup>5</sup> .....	1,520	1,544	1,563	1,512
<b>Total available for fluid products</b> .....	<b>52,413</b>	<b>50,514</b>	<b>51,123</b>	<b>51,502</b>
Used on farms where produced:				
Fed to calves.....	1,584	1,558	1,666	1,567
Used for farm-churned butter.....	1,766	1,643	1,495	1,392
<b>Total used on farms</b> .....	<b>3,350</b>	<b>3,201</b>	<b>3,061</b>	<b>2,959</b>
Residual <sup>6</sup> .....	1,872	692	854	1,304
<b>Total utilization</b> .....	<b>116,313</b>	<b>115,734</b>	<b>115,562</b>	<b>120,562</b>

<sup>1</sup> Preliminary.<sup>2</sup> Whole milk equivalent (milkfat basis) of net imports of dairy manufacturing ingredients such as frozen cream and butterfat-sugar mixtures.<sup>3</sup> Whole milk equivalent of net out-of-storage movement of fluid and plastic cream during the year. A negative figure represents a net movement of cream into storage.<sup>4</sup> Whole milk equivalent of dry cream, malted milk powder, part-skim milk, dry or concentrated ice cream mix, dehydrated butterfat, and other miscellaneous products using milkfat.

National Agricultural Statistics Service.

Utilization, United States, 1973-87

1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987 <sup>1</sup>
Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
122,654	121,641	123,350	128,406	132,770	135,505	139,672	135,450	143,147	143,381	142,462
228	232	237	203	192	273	263	220	254	254	289
-16	-11	24	-3	11	7	18	-2	-12	16	13
122,866	121,682	123,611	128,606	132,973	135,785	139,953	135,668	143,389	143,651	142,714
24,396	22,372	22,191	25,824	27,806	28,352	29,342	24,877	28,079	27,073	24,966
2,543	2,660	2,810	2,998	3,192	3,365	3,554	3,406	3,694	3,799	3,894
21,853	19,712	19,381	22,826	24,614	24,987	25,788	21,471	24,385	23,274	21,072
20,480	20,737	21,856	23,765	26,215	27,540	29,314	26,403	28,556	27,976	27,297
8,385	9,180	9,701	10,160	10,331	11,363	11,692	12,315	13,144	14,263	15,554
1,056	1,056	1,028	1,016	977	950	941	932	917	914	884
1,809	1,725	1,752	1,594	1,669	1,490	1,525	1,419	1,509	1,278	1,272
398	348	381	377	475	543	475	544	656	666	707
182	186	187	147	164	161	173	180	161	169	184
514	549	627	607	686	758	823	880	877	901	1,067
13,805	13,859	13,767	14,010	14,080	14,268	14,720	14,783	15,021	15,451	15,697
2,098	2,115	2,088	2,084	2,116	2,133	2,122	2,123	2,166	2,225	2,241
11,707	11,744	11,679	11,926	11,964	12,135	12,598	12,660	12,855	13,226	13,456
684	707	912	909	821	656	663	488	477	559	452
67,068	65,944	67,504	73,327	77,916	80,583	83,992	77,292	83,537	83,226	81,945
49,885	49,685	49,884	49,385	48,743	48,061	48,494	49,464	50,750	51,460	52,232
1,495	1,490	1,489	1,470	1,472	1,285	1,211	1,141	1,264	1,176	1,201
51,380	51,175	51,373	50,855	50,215	49,346	49,705	50,605	52,014	52,636	53,433
1,541	1,497	1,442	1,395	1,418	1,521	1,527	2,134	1,747	1,736	1,528
1,283	1,168	1,040	943	886	839	842	804	709	677	674
2,824	2,665	2,483	2,338	2,304	2,361	2,369	2,938	2,456	2,412	2,203
1,594	1,898	2,251	2,086	2,538	3,495	3,887	4,833	5,382	5,377	5,133
122,866	121,682	123,611	128,606	132,973	135,785	139,953	135,668	143,389	143,651	142,714

<sup>5</sup> Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds.

<sup>6</sup> Includes minor miscellaneous uses and any inaccuracies in production and utilization estimates.

**Table 482.—Milk markets under Federal order program: Blend and Class I milk deliveries used in Class I, Class I percentage, average daily deliveries per producer,**

Federal milk order marketing area	Average minimum prices per 100 pounds				Average number of producers	
	Blend price <sup>1</sup>		Class I price <sup>2</sup>		1986	1987
	1986	1987	1986	1987		
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Number</i>	<i>Number</i>
Alabama-West Florida <sup>2 3</sup> .....	13.53	13.86	14.00	14.42	956	1,038
Central Arizona <sup>4</sup> .....	12.68	12.75	13.70	13.86	156	146
Central Arkansas-Ft. Smith <sup>2 5</sup> .....	13.19	13.67	13.69	14.11	797	618
Central Illinois <sup>2 6</sup> .....	12.17	12.31	12.74	12.95	244	252
Chicago Regional, Ill.-Wis. <sup>2 7</sup> .....	11.73	11.73	12.54	12.74	18,058	17,613
Eastern Colorado, Col.-Kans. <sup>2 8</sup> .....	12.89	13.04	13.77	14.07	564	535
Eastern Ohio-Western Pa., Ohio-Pa.-W. Va. <sup>2 9</sup> .....	12.19	12.35	13.10	13.34	5,885	5,605
Eastern South Dak.-Black Hills <sup>2 10</sup> .....	11.81	11.93	12.60	12.84	430	406
Georgia <sup>2 11</sup> .....	13.51	13.96	13.99	14.43	1,597	1,379
Great Basin, Utah-Nev.-Wyo. <sup>12</sup> .....	12.20	12.25	13.08	13.24	740	713
Greater Kansas City, Mo.-Kans. <sup>2 13</sup> .....	12.16	12.36	13.04	13.27	1,117	888
Greater Louisiana <sup>2 14</sup> .....	13.59	13.98	14.18	14.62	628	609
Indiana <sup>2 15</sup> .....	12.42	12.62	13.02	13.34	2,754	2,634
Iowa, Iowa-Ill. <sup>2 16</sup> .....	11.81	11.84	12.69	12.89	3,732	3,689
Lake Mead, Nev.-Utah <sup>17 18</sup> .....	12.10	12.29	12.76	12.94	126	50
Louisville-Lex.-Evans, Ky.-Ind. <sup>2</sup> .....	12.39	12.71	13.15	13.45	1,703	1,531
Lubbock-Plainview, Texas <sup>2</sup> .....	13.40	13.59	13.66	13.85	34	35
Memphis, Tenn.-Miss.-Ark. <sup>2</sup> .....	13.12	13.53	13.66	14.11	488	495
Michigan Upper Peninsula, Mich.-Wis. <sup>18 19</sup> .....	12.26	12.38	12.52	12.69		
Middle Atlantic, Del.-D.C.-Md.-N.J.-Pa.-Va. <sup>2 20</sup> .....	12.65	12.83	14.13	14.37	6,586	6,406
Nashville, Tenn.-Ky. <sup>2</sup> .....	13.46	13.60	13.51	13.87	455	354
Nebraska-Western Iowa, Nebr.-Iowa-S. Dak. <sup>2 21</sup> .....	11.97	11.99	12.88	13.10	1,879	1,870
New England, Mass.-Conn.-N.H.-R.I.-Vt. <sup>2 22</sup> .....	13.12	13.27	14.34	14.58	5,891	5,412
New Orleans-Mississippi, La.-Miss. <sup>2 23</sup> .....	13.79	14.20	14.69	15.19	1,240	1,169
New York-New Jersey <sup>2 24</sup> .....	12.63	12.74	14.22	14.48	15,876	14,715
Ohio Valley, Ind.-Ky.-Mich.-Ohio-W. Va. <sup>2 25</sup> .....	12.32	12.51	13.11	13.38	4,909	4,589
Oregon-Washington <sup>26</sup> .....	12.01	12.06	13.13	13.29	1,008	883
Paducah, Ky.-Mo. <sup>2</sup> .....	12.95	13.27	13.36	13.73	208	233
Puget Sound-Inland, Wash.-Idaho <sup>27</sup> .....	11.94	12.00	13.03	13.19	1,215	1,072
Rio Grande Valley, N. Mex.-Tex.-Colo. <sup>28</sup> .....	12.79	13.06	13.53	13.69	100	92
Southeastern Florida <sup>2 29</sup> .....	14.69	15.08	15.02	15.49	216	176
Southern Illinois <sup>2 30</sup> .....	12.36	12.55	12.98	13.26	2,688	2,622
Southern Michigan <sup>2 31</sup> .....	12.03	12.11	12.88	13.09	5,527	5,054
SW. Idaho-Eastern Oregon <sup>32</sup> .....	11.53	11.55	12.68	12.84	312	285
Southwest Plains <sup>2 33</sup> .....	12.65	12.89	13.69	14.11	3,473	3,393
Tampa Bay, Fla. <sup>2</sup> .....	14.23	14.81	14.66	15.30	205	199
Tenn. Val., Tenn.-Va.-W. Va.-Ky.-Ga. <sup>2 34</sup> .....	13.08	13.45	13.71	14.12	1,789	1,549
Texas <sup>2 35</sup> .....	13.20	13.45	14.13	14.62	2,703	2,559
Texas Panhandle, Texas-Okla. <sup>2 36</sup> .....	12.81	13.30	13.58	13.84	64	53
Upper Florida <sup>2 37</sup> .....	14.13	14.47	14.53	14.93	197	229
Upper Midwest, Minn.-Wis.-N.D.-S.D.-Iowa <sup>2 38</sup> .....	11.47	11.47	12.36	12.54	15,681	14,714
Western Colorado <sup>39</sup> .....	12.64	12.88	13.18	13.34	42	37

<sup>1</sup> For individual-handler pools, weighted average of blend prices for all handlers. For markets with base-excess plans, weighted average of base and excess prices. <sup>2</sup> Effective May 1, 1986, the Class I differentials in 35 orders were increased as mandated by the Food Security Act of 1985. <sup>3</sup> Zone 2 (Birmingham). <sup>4</sup> Phoenix. <sup>5</sup> Little Rock. Note: Price data are for Central Arkansas. Other data are a combination of Central Arkansas and Fort Smith for 1986 only, Effective May 1, 1987, the Fort Smith market was merged with Southwest Plains. See (33). <sup>6</sup> Peoria. <sup>7</sup> Zone I (Chicago). <sup>8</sup> Denver. <sup>9</sup> Zone I (Erie, Pennsylvania) for 1986; Cleveland and Pittsburgh for 1987. <sup>10</sup> Sioux Falls. Note: Price data are for Eastern South Dakota. Other data are a combination of Eastern South Dakota and Black Hills. <sup>11</sup> Atlanta. <sup>12</sup> Salt Lake City, Utah. <sup>13</sup> Kansas City and Topeka. <sup>14</sup> Monroe and Shreveport. <sup>15</sup> Indianapolis. <sup>16</sup> Zone I (Des Moines). <sup>17</sup> Las Vegas, Nevada. <sup>18</sup> Some of the data were restricted—pertains to fewer than three firms. <sup>19</sup> Zone II (Marquette). <sup>20</sup> Philadelphia, Baltimore, and Washington, D.C. Price excludes a 6-cent delivery differential applicable to milk delivered to Philadelphia. <sup>21</sup> Zone I (Omaha).

Agricultural Marketing Service. Compiled from reports of market administrators.



prices at 3.5 percent fat test, number of producers, producer deliveries, producer average fat test of milk delivered, by markets, 1986 and 1987

Producer deliveries		Producer deliveries used in Class I		Class I utilization percentage		Daily deliveries per producer		Average fat test	
1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
Million pounds	Million pounds	Million pounds	Million pounds	Percent	Percent	Pounds	Pounds	Percent	Percent
1,088	1,175	893	956	82	81	3,126	3,134	3.67	3.63
1,370	1,444	789	826	58	57	24,084	27,269	3.69	3.72
505	449	404	376	80	84	2,135	2,396	3.51	3.51
144	159	86	96	60	60	1,619	1,732	3.71	3.69
14,177	14,528	2,862	2,901	20	20	2,151	2,260	3.70	3.68
1,078	1,101	656	655	61	59	5,280	5,640	3.68	3.67
3,884	3,842	1,985	2,023	51	53	1,807	1,877	3.70	3.71
388	345	144	155	42	45	2,155	2,328	3.65	3.63
1,797	1,601	1,461	1,340	81	84	3,083	3,184	3.65	3.63
1,381	1,500	601	640	44	43	5,094	5,767	3.58	3.61
855	719	410	386	48	54	2,127	2,278	3.63	3.66
578	569	469	468	81	82	2,525	2,569	3.59	3.60
1,964	1,947	1,226	1,193	62	61	1,953	2,025	3.72	3.71
2,664	2,784	741	786	28	28	1,981	2,092	3.68	3.64
227	206					15,111	14,393	3.49	3.60
1,064	984	638	652	60	66	1,712	1,764	3.69	3.70
120	122	107	110	89	90	17,961	17,795	3.63	3.54
325	334	251	261	77	78	2,447	2,464	3.61	3.59
6,412	6,281	2,986	3,152	47	50	2,668	2,686	3.68	3.69
208	195	192	169	92	87	1,376	1,571	3.69	3.65
1,559	1,637	598	586	38	36	2,290	2,428	3.67	3.66
5,341	5,173	2,814	2,813	53	54	2,484	2,619	3.72	3.72
1,015	980	720	705	71	72	2,238	2,299	3.61	3.62
11,729	11,321	4,665	4,594	40	41	2,022	2,107	3.66	3.64
3,331	3,242	1,822	1,820	55	56	1,858	1,935	3.67	3.69
2,170	2,188	862	887	40	41	5,911	6,791	3.77	3.70
144	169	115	137	80	81	1,915	2,009	3.73	3.80
2,768	2,727	981	1,006	35	37	6,244	6,970	3.69	3.67
529	491	356	353	67	72	18,529	19,547	3.63	3.57
1,082	975	967	866	89	89	13,278	15,038	3.56	3.51
2,081	2,174	1,229	1,318	59	61	2,118	2,269	3.68	3.66
4,782	4,616	2,055	1,998	43	43	2,349	2,502	3.68	3.63
707	687	125	128	18	18	6,231	6,597	3.67	3.64
2,805	2,871	1,391	1,390	49	48	2,232	2,381	3.61	3.63
784	927	674	799	86	86	10,417	12,230	3.59	3.53
1,517	1,307	1,108	997	73	76	2,323	2,316	3.69	3.68
4,569	4,725	3,009	2,934	66	62	4,630	5,063	3.59	3.57
136	108	93	86	68	79	11,140	11,377	3.65	3.60
671	717	579	611	86	85	8,740	8,159	3.62	3.60
10,817	10,736	1,488	1,529	14	14	1,888	1,999	3.69	3.60
107	105	77	80	71	76	7,076	7,826	3.65	3.64

<sup>22</sup> Zone I (Boston). Price at 201-210 mile zone: Class I and blend are 72 cents less. <sup>23</sup> Zone I (New Orleans).  
<sup>24</sup> New York metropolitan area. Prices at 201-210 mile zone: Class I and blend 59 cents less. <sup>25</sup> Central zone  
(Cincinnati and Columbus), January-July 1986. Zone 3 (Columbus), August 1986-December 1987. <sup>26</sup> Portland.  
<sup>27</sup> Zone I (Seattle). <sup>28</sup> Albuquerque, Santa Fe, and El Paso. <sup>29</sup> Miami. <sup>30</sup> Base zone (Alton). <sup>31</sup> Zone I,  
Detroit. Price excludes direct delivery differential applicable to milk delivered to Detroit of 10 cents. <sup>32</sup> Boise,  
Idaho. <sup>33</sup> Zone I (Oklahoma City). Beginning in 1987, includes Fort Smith. <sup>34</sup> Bristol, Chattanooga, and  
Knoxville. <sup>35</sup> Zone I (Dallas). <sup>36</sup> Amarillo. <sup>37</sup> Jacksonville and Tallahassee. <sup>38</sup> Zone I (Minneapolis).  
<sup>39</sup> Grand Junction.

Table 483.—Dairy products: Quantities manufactured, United States, 1980-87

Product	1980	1981	1982	1983	1984	1985	1986	1987 <sup>1</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Creamery butter.....	1,145,254	1,228,190	1,256,964	1,299,247	1,103,316	1,247,792	1,202,392	1,104,135
American cheese:								
Whole milk.....	2,375,756	2,642,263	2,752,298	2,927,716	2,648,459	2,855,230	2,798,160	2,716,659
Part skim.....	5,381	5,860	6,928	4,115	2,711	2,380	2,051	858
Swiss cheese (including block).....	218,940	214,410	221,085	209,467	207,958	222,886	227,340	227,241
Munster cheese.....	69,982	67,359	71,681	69,599	76,046	82,096	88,488	92,629
Brick cheese.....	15,373	13,878	14,251	14,157	16,032	20,131	20,387	28,939
Limburger cheese.....	1,564	1,248	1,456	1,149	1,225	1,049	1,119	1,067
Cream and Neufchatel cheese.....	228,587	241,335	262,780	269,993	276,466	293,769	321,504	342,230
Blue cheese.....	33,043	30,214	31,013	31,496	34,115	33,433	34,198	35,863
All Italian varieties of cheese.....	982,731	994,398	1,087,781	1,200,204	1,318,816	1,491,314	1,632,921	1,799,770
All other varieties of cheese <sup>2</sup> .....	52,909	66,596	92,396	90,572	92,165	77,742	82,097	98,967
Total of all cheese <sup>2</sup> .....	3,984,266	4,277,561	4,541,669	4,819,471	4,673,993	5,080,942	5,209,252	5,344,223
Cottage cheese:								
Curd <sup>3</sup> .....	667,433	647,541	628,949	618,162	606,219	598,845	600,122	573,885
Creamed <sup>3</sup> .....	824,546	773,321	748,869	742,506	736,061	715,581	704,819	674,538
Lowfat <sup>3</sup> .....	179,836	208,333	217,572	215,941	229,331	244,390	265,475	270,285
Sweetened condensed milk:								
Bulk goods:								
Skimmed.....	45,681	46,007	49,148	51,394	51,343	49,551	55,416	57,541
Unskimmed.....	63,763	70,351	69,639	74,704	66,061	69,481	72,803	78,728
Unsweetened condensed milk (plain, condensed):								
Bulk goods:								
Skimmed.....	685,881	659,641	632,133	693,832	803,641	841,100	957,039	954,683
Unskimmed.....	156,406	195,619	223,889	193,348	238,273	272,044	276,530	292,219
Evaporated and condensed milk:								
Case goods:								
Skimmed.....	15,793	20,490	19,531	16,038	18,035	20,837	17,673	16,966
Unskimmed.....	724,665	757,919	734,921	694,185	647,663	635,292	584,426	579,722
Condensed or evaporated buttermilk.....	40,016	41,159	50,869	51,011	37,899	41,264	41,549	51,908
Dry buttermilk.....	43,875	43,814	38,632	46,497	43,485	51,523	65,677	55,687
Dry whole milk.....	82,712	92,724	102,226	111,209	119,622	118,856	122,366	145,861
Nonfat dry milk.....	1,160,691	1,314,270	1,400,455	1,499,902	1,160,670	1,390,033	1,284,143	1,059,049
Dry skim milk (animal feed).....	6,944	7,846	9,731	10,324	7,672	8,262	9,718	20,204
Dry whey.....	689,718	778,720	790,502	892,164	897,946	986,829	1,031,033	1,034,300
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
Ice cream.....	829,798	832,450	852,072	881,543	894,468	901,449	923,597	931,398
Sherbet (does not include water ices).....	45,187	45,732	45,575	47,732	47,488	48,206	49,679	49,709
Ice milk <sup>4</sup> .....	293,384	290,992	280,559	294,913	299,825	301,312	314,673	330,312

<sup>1</sup> Preliminary.<sup>2</sup> Includes full-skim American cheese beginning 1978.<sup>3</sup> Cottage cheese curd includes pot and bakers' cheese. Creamed cottage cheese contains not less than 4 percent milkfat. Lowfat cottage cheese contains less than 4 percent milkfat and has not been legal in interstate commerce, but beginning 1972, is legal under Federal standards if its content of milkfat is not less than 0.5 percent and not more than 2.0 percent by weight.<sup>4</sup> Includes freezer-made milkshake in most States.

National Agricultural Statistics Service.

**Table 484.—Mellorine-type frozen desserts: Production by States, United States totals, 1973-87**

Year	Ala- bama	Arizo- na	Arkan- sas	Cali- fornia	Illi- nois	Louisi- ana	Mis- sour- i	Monta- na	Okla- homa	Or- egon	Texas	United States <sup>1</sup>
	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons	1,000 gal- lons
1973.....		527	903	9,759	3,226	345	1,522		1,380	766	18,813	39,775
1974.....		526	922	8,295	1,915	336	1,377		1,198	532	17,008	34,605
1975.....		546	713	6,747	1,402	217	993		1,037	532	15,833	30,038
1976.....		437	656	5,258	1,140	112	889		657	402	11,507	23,284
1977.....		393	571	4,077	1,004	116	752		536	295	9,100	18,795
1978.....			468	3,421	954	32	527		456	261	7,949	16,264
1979.....			413	2,725	1,070		519	58	375	230	6,913	15,674
1980.....			393	2,263	912		487		241	203	6,052	13,190
1981.....			378	1,744	857	4	479		204	190	5,642	11,191
1982.....			399	1,146	812		495		196		5,120	10,130
1983.....	147		310	807	639		170		167		5,473	10,086
1984.....			621	665	716				138		3,857	8,886
1985.....			528	594	346				103		4,184	8,752
1986.....			267	287	168				64		4,622	8,429
1987 <sup>2</sup> .....			602	281	149						4,690	10,110

<sup>1</sup> Includes several minor producing States which are not shown separately.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 485.—Dairy products: Manufacturers' average selling price of specified products, United States, 1973-87**

Year	Unsweetened evaporated milk, per case of 48 14½- ounce cans, f.o.b. factory	Nonfat dry milk for human food, per pound, f.o.b. factory	Dry skim milk for animal feed, per pound, f.o.b. factory	Dry whole milk, per pound, f.o.b. factory <sup>1</sup>
	Dollars	Cents	Cents	Cents
1973.....	8.10-9.26	45.79	34.51	57.95
1974.....	10.18-12.75	58.37	37.74	66.08
1975.....	10.98-14.15	62.13	37.93	71.30
1976.....	11.88-14.77	63.30	34.60	79.24
1977.....	12.05-15.62	66.65	32.02	80.69
1978.....	( <sup>2</sup> )	71.01	33.14	89.63
1979.....		79.94	35.63	101.58
1980.....		88.58	40.31	110.97
1981.....		93.92	43.66	118.53
1982.....		( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
1983.....		93.84	39.91	119.65
1984.....		91.17	40.64	118.38
1985.....		84.59	41.18	114.18
1986.....		80.94	40.78	111.87
1987.....		79.30	43.57	112.71

<sup>1</sup> Includes milk sold in bulk and in package.<sup>2</sup> Estimate discontinued.<sup>3</sup> Data not available for 1982.

National Agricultural Statistics Service.

**Table 486.—Dairy products: Manufacturers' stocks, end of month, United States, 1986 and 1987**

Month	Evaporated and sweetened condensed whole milk (case goods)		Dry whole milk		Nonfat dry milk (human food)	
	1986	1987	1986	1987	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	61,340	49,908	5,490	6,501	68,089	55,251
February.....	72,741	53,256	6,278	8,049	63,288	66,543
March.....	73,191	55,004	7,037	7,407	74,433	60,459
April.....	86,157	58,822	6,931	9,183	79,211	65,348
May.....	91,608	69,877	4,944	6,562	85,245	86,803
June.....	103,452	84,241	4,435	8,196	85,304	83,384
July.....	106,912	93,910	6,765	7,293	67,247	71,274
August.....	111,766	100,880	6,804	6,285	65,082	65,416
September.....	105,057	85,548	6,608	5,669	52,072	55,096
October.....	87,793	64,158	4,275	6,404	39,892	44,992
November.....	62,118	34,765	5,634	6,543	43,700	45,122
December.....	45,001	31,757	6,692	8,042	57,898	65,097

National Agricultural Statistics Service.

**Table 487.—Dairy products: Cold-storage holdings, first of month, United States, 1986 and 1987**

Month	Creamery butter		American cheese		Swiss cheese		Total natural cheese <sup>1</sup>	
	1986	1987	1986	1987	1986	1987	1986	1987
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	206,259	206,613	742,075	590,341	10,784	11,982	835,843	683,856
February.....	242,369	231,603	721,916	564,290	12,366	10,751	813,189	652,421
March.....	283,270	253,967	724,643	557,083	11,547	12,071	815,727	646,518
April.....	304,950	247,892	742,876	553,304	11,660	10,676	838,428	645,118
May.....	330,823	251,087	778,478	569,441	11,577	11,692	873,301	666,784
June.....	342,785	237,912	794,408	564,678	11,052	11,226	892,843	659,026
July.....	337,641	211,210	815,068	547,089	11,540	11,671	915,573	642,489
August.....	304,351	187,266	816,002	509,092	11,852	11,434	916,166	606,624
September.....	279,621	176,200	759,888	485,301	12,634	11,381	858,982	580,790
October.....	253,271	165,553	711,222	441,158	10,974	13,992	804,994	537,982
November.....	218,527	158,486	665,473	403,351	9,672	10,991	757,003	495,935
December.....	192,963	143,212	601,669	367,411	10,726	9,961	693,639	457,124

<sup>1</sup> Includes American, Swiss, and other types of natural cheese.

National Agricultural Statistics Service.

**Table 488.—Dairy products: Dec. 31 stocks, United States, 1973-87**

Year	Butter <sup>1 2</sup>	Cheese <sup>1 3</sup>	Canned milk <sup>4</sup>	Dry whole milk	Nonfat dry milk for human consumption <sup>1</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1973.....	46,379	357,808	69,217	5,377	74,585
1974.....	49,227	493,973	79,199	6,419	293,203
1975.....	10,856	368,579	58,617	5,636	468,943
1976.....	47,058	478,465	70,677	9,085	485,396
1977.....	184,907	486,031	75,164	5,972	677,886
1978.....	206,930	457,261	70,300	4,383	585,091
1979.....	177,760	512,221	76,955	4,812	485,242
1980.....	304,646	690,730	53,009	5,268	586,770
1981.....	429,184	975,762	46,808	5,953	889,639
1982.....	466,822	1,064,224	52,878	6,024	1,281,967
1983.....	499,372	1,266,388	47,656	6,411	1,405,178
1984.....	309,849	1,061,881	41,952	5,434	1,247,633
1985.....	216,698	944,276	63,283	6,509	1,011,112
1986.....	251,739	789,100	50,553	6,632	686,841
1987.....	n.a.	n.a.	n.a.	n.a.	n.a.

<sup>1</sup> Includes Government holdings.

<sup>2</sup> Includes butter equivalent of butteroil held by CCC.

<sup>3</sup> Exclude cottage and full-skim American cheese. Includes process American cheese held by CCC.

<sup>4</sup> Includes stock held by CCC.

n.a. not available.

Economic Research Service.

**Table 489.—Fluid milk and cream: Total disappearance, and total and per capita civilian consumption, United States, 1973-87 <sup>1</sup>**

Year	Total disappearance	Civilian consumption		Year	Total disappearance	Civilian consumption		Year	Total disappearance	Civilian consumption	
		Total	Per capita			Total	Per capita			Total	Per capita
	<i>Billion pounds</i>	<i>Billion pounds</i>	<i>Pounds</i>		<i>Billion pounds</i>	<i>Billion pounds</i>	<i>Pounds</i>		<i>Billion pounds</i>	<i>Billion pounds</i>	<i>Pounds</i>
1973.....	54.2	53.4	255	1978.....	52.4	51.7	235	1983.....	50.6	49.9	215
1974.....	52.2	51.5	243	1979.....	52.5	51.8	232	1984.....	51.4	50.8	217
1975.....	52.6	52.0	243	1980.....	51.8	51.2	227	1985.....	52.7	52.1	220
1976.....	52.9	52.3	242	1981.....	51.1	50.5	222	1986.....	53.4	52.8	221
1977.....	52.7	52.1	239	1982.....	50.2	49.6	216	1987.....	n.a.	n.a.	n.a.

<sup>1</sup> Milk equivalent of fluid items—whole milk, low-fat fluid items, and cream—at the average annual fat test of milk produced. Civilian consumption is total consumption less military takings. Per capita consumption is based on the number of persons eating from civilian supplies.

n.a. not available.

Economic Research Service.

**Table 490.—Dairy products: Total disappearance, and total and per capita civilian consumption, United States, 1973-87<sup>1</sup>**

Year	Butter <sup>2</sup>			Cheese <sup>3</sup>			Condensed and evaporated milk <sup>4</sup>		
	Total disappearance	Civilian consumption		Total disappearance	Civilian consumption		Total disappearance	Civilian consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1973.....	1,025	999	4.8	2,888	2,849	13.6	1,353	1,248	5.9
1974.....	972	956	4.5	3,117	3,071	14.6	1,278	1,175	5.6
1975.....	1,024	1,012	4.7	3,115	3,072	14.3	1,239	1,118	5.3
1976.....	945	934	4.3	3,418	3,375	15.7	1,192	1,067	5.0
1977.....	950	941	4.3	3,560	3,514	16.1	1,036	939	4.3
1978.....	974	966	4.4	3,792	3,737	17.0	1,019	899	4.1
1979.....	1,016	1,005	4.5	3,908	3,837	17.2	1,028	911	4.1
1980.....	1,020	1,012	4.5	4,037	3,975	17.6	969	854	3.8
1981.....	1,107	970	4.3	4,241	4,169	18.3	1,035	932	4.1
1982.....	1,223	991	4.3	4,722	4,617	20.1	1,030	925	4.0
1983.....	1,270	1,134	4.9	4,903	4,798	20.7	981	900	3.9
1984.....	1,295	1,146	4.9	5,184	5,058	21.6	968	880	3.8
1985.....	1,345	1,157	4.9	5,501	5,358	22.6	966	876	3.7
1986.....	1,171	1,107	4.6	5,661	5,544	23.2	955	878	3.7
1987.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )

  

Year	Ice cream (product weight)			Dry whole milk			Nonfat dry milk (human food)		
	Total disappearance	Civilian consumption		Total disappearance	Civilian consumption		Total disappearance	Civilian consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1973.....	3,714	3,634	17.3	76	21	.10	1,154	1,113	5.3
1974.....	3,753	3,679	17.4	67	15	.07	916	884	4.2
1975.....	4,015	3,945	18.5	63	16	.08	828	703	3.3
1976.....	3,928	3,858	17.9	75	33	.15	911	764	3.5
1977.....	3,887	3,817	17.5	72	34	.16	917	729	3.3
1978.....	3,914	3,844	17.4	77	56	.25	1,015	689	3.1
1979.....	3,893	3,823	17.1	85	66	.30	1,010	739	3.3
1980.....	3,984	3,914	17.3	82	63	.28	1,064	674	3.0
1981.....	3,996	3,926	17.2	104	83	.36	1,014	493	2.2
1982.....	4,090	4,020	17.5	102	88	.38	1,010	482	2.1
1983.....	4,231	4,161	17.9	111	94	.40	1,389	515	2.3
1984.....	4,293	4,223	18.0	121	98	.42	1,321	586	2.5
1985.....	4,327	4,257	18.0	117	105	.44	1,630	530	2.2
1986.....	4,433	4,363	18.3	122	113	.47	1,610	588	2.5
1987.....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )

<sup>1</sup> Total disappearance is based on production, imports, and change in stocks during the year. Production statistics for these commodities appear in other tables in this chapter. The total apparent civilian consumption was obtained by subtracting ending stocks, shipments, exports, and military takings from the total supply. The per capita civilian consumption for each year was obtained by dividing the total apparent civilian consumption by the number of persons eating out of civilian supplies.

<sup>2</sup> Includes both farm and factory-made butter.

<sup>3</sup> Includes all kinds of cheese except cottage and full-skim American.

<sup>4</sup> The evaporated milk is unskimmed, unsweetened, case goods. The condensed milk is unsweetened (plain condensed), unskimmed, bulk goods; and sweetened condensed milk, unskimmed, case and bulk goods.

<sup>5</sup> Not available.

Economic Research Service.

**Table 491.—Dairy products: Average price per pound for specified products, 1967 and 1984-87**

Item and market	1967	1984	1985	1986	1987
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Butter, bulk, wholesale selling prices, Chicago:					
Grade AA (93-score).....	0.6671	1.4947	1.4197	1.4522	1.4172
Grade A (92-score).....	.6668	1.4881	1.4111	1.4452	1.4020
Butter, one-pound prints, wholesale selling prices, California cities:					
Grade AA (93-score).....	.7898	1.7459	1.6894	1.7140	1.6748
Butter, spot cash call prices, <sup>1</sup> Chicago Mercantile Exchange:					
Grade AA (93-score):					
High.....	.6875	1.6075	1.4550	1.5375	1.5000
Low.....	.6575	1.4100	1.3825	1.3625	1.3050
Grade A (92-score):					
High.....	.6850	1.6075	1.4500	1.5375	1.5000
Low.....	.6575	1.3750	1.3825	1.3625	1.3000
Cheese, Cheddar, f.o.b. Wisconsin Assembly Points:					
Barrels.....		1.3078	1.2208	1.2029	1.1698
40-pound blocks.....	.4522	1.3796	1.2772	1.2730	1.2321
Cheese, prices <sup>1</sup> National Cheese Exchange, Inc.: <sup>2</sup>					
Cheddar, barrels:					
High.....	.4200	1.3350	1.3075	1.2450	1.2000
Low.....	.4025	1.2750	1.1650	1.1725	1.1000
Cheddar, 40-pound blocks:					
High.....	.4400	1.3950	1.3450	1.3050	1.3000
Low.....	.4225	1.3100	1.2125	1.2175	1.1900
Nonfat dry milk, f.o.b. plant, Central States Production Area:					
Extra Grade <sup>3</sup> .....	1.2075	.9100	.8406	.8064	.7908
Grade A.....		.9198	.8503	.8159	.8131
Whey powder, f.o.b. plant, Central States Production Area:					
Edible (nonhygroscopic).....		.1752	.1520	.1316	.2351
Used for animal feed (spray process).....		.1549	.1386	.1176	.2128

<sup>1</sup> Prices represent high and low for the year.<sup>2</sup> Green Bay, Wisconsin.<sup>3</sup> Average for high and low heat processing.<sup>4</sup> Includes Grade A.

Agricultural Marketing Service.

Table 492.—Butter: Production in specified countries, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>	Continent and country	1985	1986	1987 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:				Czechoslovakia.....	150	150	150
Canada.....	108	109	105	German Dem. Rep.....	316	320	325
Mexico.....	18	21	26	Hungary.....	31	33	33
United States.....	566	545	495	Poland.....	308	289	295
Total.....	692	675	626	Romania.....	47	52	48
				Yugoslavia.....	10	9	9
South America:				Total Eastern Europe.....	862	853	860
Argentina.....	32	32	33	Total Europe.....	3,128	3,274	3,003
Brazil.....	70	65	75				
Venezuela.....	6	5	5	Soviet Union.....	1,596	1,700	1,650
Total.....	108	102	113				
Europe:				Africa:			
Belgium and Luxembourg.....	105	108	98	South Africa.....	17	15	13
Denmark.....	110	112	97				
France.....	595	633	570	Asia:			
Germany, Fed. Rep. of.....	515	567	463	India.....	700	720	660
Greece.....	5	6	5	Japan.....	89	88	75
Ireland.....	163	160	150	Total.....	789	808	735
Italy.....	70	70	70				
Netherlands.....	229	264	200	Oceania:			
Portugal.....	4	4	5	Australia <sup>2</sup> .....	114	105	104
Spain.....	15	29	26	New Zealand <sup>3</sup> .....	293	299	248
United Kingdom.....	202	222	200	Total.....	407	404	352
Total EC.....	2,013	2,175	1,904	Grand total.....	6,737	6,978	6,492
Austria.....	43	46	44				
Finland.....	73	72	71				
Norway.....	25	25	25				
Sweden.....	74	66	64				
Switzerland.....	37	37	35				
Total other Western Europe.....	253	246	239				

<sup>1</sup> Preliminary.<sup>2</sup> Year ending June 30.<sup>3</sup> Year ending May 31.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.



Table 493.—Cheese: Production in specified countries, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>	Continent and country	1985	1986	1987 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:				Europe—Con.			
Canada.....	213	226	245	Sweden.....	109	106	105
Mexico.....	187	262	298	Switzerland.....	126	131	133
United States.....	2,305	2,363	2,385	Total other Western Europe.....	469	464	468
Total.....	2,705	2,851	2,928	Czechoslovakia.....	131	132	132
South America:				German Dem. Rep.....	246	253	264
Argentina.....	210	256	269	Hungary.....	51	50	51
Brazil.....	205	185	205	Poland.....	118	114	115
Venezuela.....	73	83	84	Romania.....	97	110	105
Total.....	488	524	558	Yugoslavia.....	52	45	44
Europe:				Total Eastern Europe.....	695	704	711
Belgium and Luxembourg.....	53	53	54	Total Europe.....	5,142	5,225	5,331
Denmark.....	253	252	264	Soviet Union.....	809	844	855
France <sup>2</sup> .....	1,300	1,300	1,365	Africa:			
Germany, Fed. Rep. of.....	495	530	550	South Africa.....	34	36	35
Greece.....	193	203	195	Asia and Oceania:			
Ireland.....	78	66	57	Japan.....	20	24	26
Italy.....	684	694	690	Australia <sup>3</sup> .....	160	169	177
Netherlands.....	522	534	559	New Zealand <sup>4</sup> .....	118	127	113
Portugal.....	39	42	43	Total.....	298	321	316
Spain.....	101	110	110	Grand total.....	9,476	9,801	10,023
United Kingdom.....	260	256	265				
Total EC.....	3,978	4,057	4,152				
Austria.....	83	78	78				
Finland.....	79	77	78				
Norway.....	72	72	74				

<sup>1</sup> Preliminary. <sup>2</sup> Includes uncurd cheese. <sup>3</sup> Year ending June 30. <sup>4</sup> Year ending May 31.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 494.—Dairy products: United States imports by type of product, 1973-87

Year	Dried milk <sup>1</sup>	Cheese				Butter	Casein
		Swiss <sup>2</sup>	Cheddar <sup>3</sup>	Other	Total		
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973.....	120,913	29,593	9,602	65,028	104,223	19,880	51,178
1974.....	52,200	35,892	48,635	58,637	143,164	5,252	51,206
1975.....	1,121	26,717	4,834	49,862	81,413	239	26,510
1976.....	824	34,639	3,649	55,714	94,002	255	50,867
1977.....	831	33,978	4,246	56,760	94,984	337	65,429
1978.....	1,120	42,010	4,880	62,988	110,998	334	62,204
1979.....	989	34,169	4,653	73,820	112,642	357	68,415
1980.....	2,218	30,214	4,858	69,778	104,850	258	69,019
1981.....	1,248	29,990	4,750	77,600	112,340	810	57,981
1982.....	878	30,479	5,751	85,944	122,174	764	80,175
1983.....	1,136	31,045	5,781	93,014	129,840	768	72,428
1984.....	1,113	31,513	6,300	100,997	138,810	742	87,357
1985.....	1,316	31,627	5,778	99,811	137,216	852	87,321
1986.....	969	29,904	6,445	97,610	133,959	926	107,938
1987 <sup>4</sup> .....	1,301	26,665	4,493	88,968	120,126	905	108,136

<sup>1</sup> Includes whole and skimmed milk. <sup>2</sup> Includes Emmenthaler with eye-formation. <sup>3</sup> Includes colby cheese.

<sup>4</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 495.—Dairy products: United States imports by country of origin, 1985-87

Commodity and country of origin	1985	1986	1987 <sup>1</sup>	Commodity and country of origin	1985	1986	1987 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Cheese, all types:</b>				<b>Cheese, cheddar:<sup>2</sup></b>			
Canada.....	1,705	1,782	2,301	Canada.....	569	605	787
Argentina.....	4,815	4,038	4,014	Austria.....	20	5	4
Austria.....	7,719	7,523	7,383	Ireland.....	51	18	18
Belgium and Luxembourg.....	1,879	2,730	325	United Kingdom.....	216	192	139
Denmark.....	18,497	13,212	10,508	Australia.....	1,226	1,194	1,262
Finland.....	10,838	10,478	10,423	New Zealand.....	3,529	4,300	2,101
France.....	12,082	10,374	9,491	Other countries.....	167	160	183
Germany, Fed. Rep. of.....	8,279	10,359	9,230	<b>Total.....</b>	<b>5,778</b>	<b>6,461</b>	<b>4,494</b>
Iceland.....	622	623	522				
Ireland.....	598	562	1,338	<b>Cheese, Swiss:<sup>3</sup></b>			
Italy.....	14,215	12,665	15,998	Austria.....	7,029	6,891	6,709
Netherlands.....	7,647	7,013	6,837	Denmark.....	2,151	1,370	794
Norway.....	7,301	7,319	7,549	Finland.....	9,514	9,218	9,052
Portugal.....	722	2,238	5,509	France.....	687	577	281
Sweden.....	1,360	1,412	1,318	Germany, Fed. Rep. of.....	4,777	4,774	1,631
Switzerland.....	6,167	5,313	4,362	Iceland.....	299	300	257
United Kingdom.....	2,572	2,402	2,177	Netherlands.....	1,528	1,194	605
Israel.....	755	930	883	Norway.....	6,781	6,863	7,060
Czechoslovakia.....	181	123	236	Switzerland.....	4,969	4,082	3,263
Hungary.....	648	862	717	Other countries.....	909	1,948	3,240
Poland.....	1,079	1,093	1,153	<b>Total.....</b>	<b>38,644</b>	<b>37,217</b>	<b>32,892</b>
New Zealand.....	20,053	22,574	9,944				
Other countries.....	7,482	8,334	7,883				
<b>Total.....</b>	<b>137,216</b>	<b>133,959</b>	<b>120,161</b>				

<sup>1</sup> Preliminary.<sup>2</sup> Includes colby cheese.<sup>3</sup> Includes Emmenthaler with eye-formation and Gruyère process cheese.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

**Table 496.—Dairy products: Exports by principal exporting countries, 1985-87**

Commodity and country of destination	1985	1986	1987 <sup>1</sup>	Commodity and country of destination	1985	1986	1987 <sup>1</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Butter:</b>				<b>Condensed milk:</b>			
Belgium Luxembourg .....	157,000	137,000	147,000	United States .....	835	2,622	1,121
Denmark .....	59,000	66,000	64,000	Belgium/Luxembourg.....	5,273	n.a.	n.a.
France .....	188,000	112,000	147,000	France .....	32,822	n.a.	n.a.
Germany, Fed. Rep. of .....	87,000	206,000	250,000	Germany, Fed. Rep. of .....	6,991	n.a.	n.a.
Ireland .....	105,000	78,000	102,000	Netherlands .....	111,018	n.a.	n.a.
Netherlands .....	165,000	151,000	145,000	<b>Total</b> .....	<b>156,939</b>	<b>n.a.</b>	<b>n.a.</b>
United Kingdom .....	25,000	34,000	80,000	<b>Milk, dried whole:</b>			
Australia <sup>2</sup> .....	47,000	49,000	29,000	United States .....	749	1,317	3,966
New Zealand <sup>3</sup> .....	227,000	224,000	236,000	Belgium/Luxembourg.....	32,412	27,000	45,000
<b>Total</b> .....	<b>1,060,000</b>	<b>1,057,000</b>	<b>1,200,000</b>	Denmark .....	85,215	84,000	94,000
<b>Cheese:</b> <sup>4</sup>				France .....	156,016	140,000	212,000
Denmark .....	201,000	198,000	209,000	Germany, Fed. Rep. of .....	42,191	55,000	50,000
Finland .....	36,000	33,000	32,000	Ireland .....	28,586	24,000	34,000
France .....	248,000	237,000	240,000	Netherlands .....	204,352	195,000	210,000
Germany, Fed. Rep. of .....	280,000	296,000	311,000	United Kingdom .....	40,478	34,000	n.a.
Ireland .....	65,000	67,000	54,000	Australia <sup>2</sup> .....	49,000	49,000	62,000
Italy .....	50,000	48,000	60,000	New Zealand <sup>3</sup> .....	133,804	155,000	182,000
Netherlands .....	356,000	376,000	385,000	<b>Total</b> .....	<b>772,803</b>	<b>764,317</b>	<b>n.a.</b>
Switzerland .....	66,000	64,000	64,000	<b>Milk, nonfat dry milk:</b>			
Australia <sup>2</sup> .....	68,000	66,000	62,000	Canada .....	61,000	66,000	65,000
New Zealand <sup>3</sup> .....	85,000	91,000	101,000	United States .....	347,329	365,962	298,781
<b>Total</b> .....	<b>1,455,000</b>	<b>1,476,000</b>	<b>1,518,000</b>	Belgium/Luxembourg.....	98,000	118,000	97,000
<b>Evaporated milk:</b>				Denmark .....	25,000	18,000	19,000
United States .....	4,425	2,287	1,227	France .....	191,000	285,000	205,000
Denmark .....	8,112	n.a.	n.a.	Germany, Fed. Rep. of .....	471,000	406,000	575,000
France .....	45,003	n.a.	n.a.	Ireland .....	201,000	132,000	123,000
Germany, Fed. Rep. of .....	205,946	n.a.	n.a.	Netherlands .....	109,000	181,000	120,000
Netherlands .....	380,012	n.a.	n.a.	United Kingdom .....	133,000	170,000	125,000
United Kingdom .....	34,636	n.a.	n.a.	Australia <sup>2</sup> .....	93,000	83,000	83,000
<b>Total</b> .....	<b>678,134</b>	<b>n.a.</b>	<b>n.a.</b>	New Zealand <sup>3</sup> .....	235,000	179,000	183,000
				<b>Total</b> .....	<b>1,964,329</b>	<b>2,003,962</b>	<b>1,893,781</b>

<sup>1</sup> Preliminary.

<sup>2</sup> Year ending June 30.

<sup>3</sup> Year ending May 31.

<sup>4</sup> Excludes fresh cheese.

n.a. not available.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 497.—Dairy products: United States exports<sup>1</sup> by country of destination, 1985-87**

Commodity and country of destination	1985	1986	1987 <sup>2</sup>	Commodity and country of destination	1985	1986	1987 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Butter:</b>				<b>Cheese, all types:</b>			
Bahamas .....	34	20	19	Australia .....	20	31	11
Canada .....	40	8	56	Bahamas .....	123	138	129
Dominican Rep. ....	255	0	0	Barbados .....	21	22	31
Egypt .....	17,340	2,025	0	Bermuda .....	61	90	138
Jamaica .....	8	104	543	Belize .....	79	51	47
Mexico .....	10,933	3,758	3,030	Canada .....	999	840	1,442
Mozambique .....	973	0	3,175	Cayman Island .....	95	95	93
Poland .....	280	84	0	Chile .....	2,142	185	839
Trust Territory of the Pacific Islands .....	1	0	0	Columbia .....	103	77	110
Iraq .....	0	0	477	Dominican Rep. ....	522	25	68
Other countries .....	101	166	172	Egypt .....	4,120	506	0
<b>Total</b> <sup>3</sup> .....	<b>29,965</b>	<b>6,165</b>	<b>7,472</b>	Haiti .....	82	105	218
				Hong Kong .....	88	65	146

See footnotes at end of table.

Table 497.—Dairy Products: United States exports<sup>1</sup> by country of destination, 1985-87—Continued

Commodity and country of destination	1985	1986	1987 <sup>2</sup>	Commodity and country of destination	1985	1986	1987 <sup>2</sup>
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Cheese, all types—Con.</b>				Burkina.....	6,460	5,801	5,656
Indonesia.....	35	15	12	Chad.....	5,745	0	0
Jamaica.....	826	1,035	1,033	Chile.....	16,864	6,481	3,560
Japan.....	710	784	929	Egypt.....	19,471	4,376	2,293
Korea.....	109	75	105	El Salvador.....	7,421	6,413	5,304
Leeward-Windward Is....	17	27	17	Ethiopia.....	26,290	21,557	4,014
Mexico.....	3,958	6,065	9,729	Guatemala.....	6,248	7,872	6,620
Mozambique.....	329	0	1,103	Haiti.....	5,279	4,040	7,653
Netherlands.....	39	0	22	India.....	451	535	0
Netherlands Antilles.....	81	145	157	Indonesia.....	3,562	4,653	4,351
Panama.....	474	429	364	Iraq.....	0	6,066	0
Peru.....	0	8	4	Jamaica.....	3,449	9,668	5,739
Poland.....	0	0	0	Kenya.....	1,473	0	0
Saudi Arabia.....	97	42	75	Mauritania.....	7,099	3,810	520
Singapore.....	7	47	54	Mexico.....	33,663	58,291	61,612
South Africa.....	37	44	46	Morocco.....	6,429	6,639	2,934
Taiwan.....	119	21	75	Nigeria.....	6,921	1,970	5
Trinidad and Tobago.....	18	181	75	Pakistan.....	7,971	3,709	0
Trust Territory of the Pacific Islands.....	6	0	12	Peru.....	3,839	14,817	4,706
Venezuela.....	36	32	20	Philippines.....	9,797	14,580	24,917
Other countries.....	339	1,259	2,531	Poland.....	5,664	1,828	0
Total.....	15,692	12,440	19,560	Senegal.....	4,815	2,032	1,526
				Somalia.....	4,844	1,601	873
<b>Evaporated milk:</b>				South Africa.....	4,292	244	367
Bahamas.....	42	135	56	Spain.....	47,402	0	0
Haiti.....	362	256	483	Sudan.....	11,904	3,093	0
Mexico.....	3,242	1,452	354	Other countries.....	51,385	67,959	75,322
Nigeria.....	0	109	0	Total <sup>3</sup> .....	347,329	399,223	311,852
Trinidad—Tobago.....	106	92	0				
Trust Territory of the Pacific Islands.....	440	108	0	<b>Infants dietary supplements, dry milk base:</b>			
Other countries.....	219	135	334	Canada.....	266	256	228
Total.....	4,425	2,287	1,227	Dominican Republic.....	105	18	16
				Bermuda.....	65	59	101
<b>Condensed milk:</b>				Bahamas.....	64	102	61
Bahamas.....	101	696	198	Israel.....	84	129	12
Barbados.....	0	294	0	Mexico.....	6	13	7
Belize.....	0	145	0	Panama.....	22	38	39
Bermuda.....	0	213	25	Poland.....	206	77	20
Hong Kong.....	72	72	37	Peru.....	37	8	0
Mexico.....	94	120	38	Taiwan.....	168	128	0
Netherlands Antilles.....	0	397	0	Hong Kong.....	247	378	549
Trust Territory of the Pacific Islands.....	37	90	0	Malaysia.....	121	76	41
Other countries.....	534	595	763	Italy.....	49	35	8
Total.....	898	2,622	1,121	Spain.....	42	9	9
				Singapore.....	57	22	38
<b>Milk, nonfat dry:</b>				United Kingdom.....	176	47	15
Angola.....	3,491	4,356	2,955	Australia.....	255	101	77
Austria.....	0	28,905	10,115	El Salvador.....	0	0	993
Bolivia.....	4,412	6,436	7,436	Soviet Union.....	0	0	1,579
Brazil.....	25,638	101,491	73,373	Iraq.....	0	0	748
				Other countries.....	752	1,232	837
				Total <sup>3</sup> .....	2,722	2,728	5,378

<sup>1</sup> Excludes exports for relief.

<sup>2</sup> Preliminary.

<sup>3</sup> Totals may not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 498.—Dairy products: Price-support operations, United States, 1973-87

Marketing year <sup>1</sup>	Manufacturing milk			Butterfat <sup>3</sup>	Product purchase price per pound <sup>4</sup>			Product purchases <sup>8</sup>			
	Support level		Average price received by farmers per cwt.		Average price received by farmers per lb.	Butter <sup>5</sup>	Cheddar cheese <sup>6</sup>	Nonfat milk, spray process <sup>7</sup>	Quantity		Percentage of milk and cream marketed by farmers
	At National Average Milkfat test, per cwt.	Percentage of parity equivalent price <sup>2</sup>		Milkfat content					Nonfat solids content	Milkfat content	Nonfat solids content
	Dollars	Percent	Dollars	Cents	Cents	Cents	Mil-lion pounds	Mil-lion pounds	Per-cent	Per-cent	
1973	<sup>9</sup> 5.29	75	6.95	68.3	60.9	<sup>10</sup> 62.0	37.5	28	53	0.7	0.6
	<sup>11</sup> 5.61	80				<sup>11</sup> 65.0	<sup>11</sup> 41.4				
1974	6.57	81	6.87	61.3	60.57	70.75	56.6	90	415	2.2	4.3
	<sup>12</sup> 7.24	89			<sup>12</sup> 68.07	<sup>12</sup> 77.25	<sup>12</sup> 60.6				
1975	7.24	79	8.12	74.6	69.19	79.25	60.06	36	280	1.0	3.0
	<sup>13</sup> 7.71	84			<sup>13</sup> 79.69	<sup>13</sup> 85.00	<sup>13</sup> 62.4				
1976	8.13	80	8.52	<sup>15</sup> 83.4	85.817	<sup>14</sup> 90.50	62.4	126	213	2.9	2.1
	<sup>14</sup> 8.26	81			<sup>14</sup> 90.817	<sup>14</sup> 92.50					
( <sup>16</sup> )	(9.00)	(82)	(8.65)		(100.71)	(98.00)	(68.0)	(139)	(362)	(6.2)	(6.9)
1977 <sup>1</sup>	9.00	82	9.30	<sup>15</sup> 92.0	100.71	98.00	68.0	125	343	2.9	3.4
	<sup>17</sup> 9.43	86			106.71	103.25	71.0				
1978	9.87	80	10.86	<sup>15</sup> 102.0	111.30	106.0	73.75	44	202	1.0	2.0
	<sup>18</sup> 10.76	87			121.80	116.0	79.0				
1979	11.49	80	11.75	<sup>15</sup> 119.0	131.33	124.0	84.0	301	679	6.7	6.3
	<sup>19</sup> 12.36	86			140.58	132.5	89.5				
1980	13.10	80	12.71		149.00	139.5	94.0	465	928	9.9	8.3
1981	13.49	75	12.66		153.00	143.25	96.5	508	1,104	10.5	9.7
	<sup>20</sup> 13.10	73			149.00	139.50	94.0				
1982	13.10	69	12.66		149.00	139.50	94.0	604	1,268	12.1	10.9
	13.10	65	12.47		149.00	139.50	94.0	374	914	7.5	7.7
1983	<sup>21</sup> 12.60	62			143.25	134.75	91.0				
	12.60	59	12.08		143.25	134.75	91.0	420	974	8.4	8.3
1984	<sup>22</sup> 12.10	57			143.25	128.75	84.75				
	<sup>23</sup> 11.60	54			139.75	124.00	80.75				
1985	11.60	55	11.31		139.75	<sup>24</sup> 125.00	80.75				
	<sup>25</sup> 11.60	54			139.75	125.00	80.75				
1986	11.35	53	11.42		<sup>25</sup> 137.75	<sup>25</sup> 122.50	<sup>25</sup> 78.75				
	11.10	52			135.75	120.00	76.75				
1987	10.60	50			<sup>26</sup> 132.00	<sup>26</sup> 115.25	<sup>26</sup> 72.75				

<sup>1</sup> Marketing year changed from April-March to October-September on Oct. 1, 1977. <sup>2</sup> Percentage of the parity equivalent price for manufacturing milk and the parity price for butterfat as of the beginning of the marketing year. <sup>3</sup> The agricultural Act of 1949, as amended, required that the price of butterfat be supported through March 31, 1970. This requirement was superseded by the Agricultural Act of 1970 and terminated by the Agriculture and Consumer Protection Act of 1973. <sup>4</sup> Announced purchase prices for products in bulk containers. <sup>5</sup> Through March 31, 1985, indicated price is for Chicago (which represents an approximate U.S. average purchase price) based on New York prices less 80 percent of the lowest rail freight rate from Chicago to New York. Effective April 1, 1985, single nationwide price. <sup>6</sup> U.S. Grade A or higher, standard moisture basis. <sup>7</sup> U.S. Extra Grade, not more than 3.5 percent moisture content. Prices quoted are for product in 100-lb. bags, Nov. 4, 1955 through Aug. 18, 1967 and 50-lb. bags beginning Aug. 19, 1967. <sup>8</sup> Milkfat and nonfat solids content of butter, cheese, and nonfat dry milk purchased under price support and related programs. (Excludes purchases of fluid milk partly paid for by CCC under military and veterans milk program). Includes purchases at market prices for domestic school lunch and welfare programs beginning with the 1966-67 marketing year and ending in the 1973-74 marketing year under Section 709 of the Food and Agriculture Act of 1965. Includes purchases with Section 32 funds for distribution to needy persons of evaporated milk beginning in the 1968-69 marketing year and purchases of dry whole milk during 1971-72 through 1974-75. Purchases were also made in 1973-74 through 1975-76 marketing year under Section 4(a) of the Agriculture and Consumer Protection Act of 1973. <sup>9</sup> Effective Jan. 10, 1971. <sup>10</sup> Effective Mar. 15, 1973. <sup>11</sup> Effective Aug. 10, 1973. <sup>12</sup> Effective Jan. 4, 1975. <sup>13</sup> Effective Oct. 2, 1975. <sup>14</sup> Effective Oct. 1, 1976. <sup>15</sup> Calendar year average, discontinued after 1979. <sup>16</sup> Transition period. <sup>17</sup> Effective Apr. 1, 1978 (80 percent of parity as of that date). <sup>18</sup> Effective Apr. 1, 1979 (78 percent of parity as of that date). <sup>19</sup> Effective Apr. 1, 1980 (79 percent of parity as of that date). <sup>20</sup> Effective Oct. 21, 1981. <sup>21</sup> Effective Dec. 1, 1983. <sup>22</sup> Effective Apr. 1, 1985. <sup>23</sup> Effective July 1, 1985. <sup>24</sup> Effective Dec. 23, 1985. <sup>25</sup> Effective Dec. 23, 1986. <sup>26</sup> Effective Jan. 1, 1988.

Agricultural Stabilization and Conservation Service.

Table 499.—Dairy products: United States exports <sup>1</sup> by type of product, 1973-87

Year	Butter	Cheese	Milk and cream			
			Evaporated (unsweetened)	Condensed (sweetened)	Whole dried	Nonfat dry milk
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1973 .....	1,501	3,180	18,768	895	22,427	4,716
1974 .....	264	3,433	18,449	1,013	20,284	3,039
1975 .....	313	3,879	24,019	957	15,783	41,074
1976 .....	199	3,939	20,185	2,141	14,098	4,684
1977 .....	272	4,660	13,057	2,408	10,579	17,580
1978 .....	270	4,775	14,967	1,819	5,877	49,840
1979 .....	424	5,405	17,968	1,531	4,418	68,135
1980 .....	391	5,715	17,435	2,037	3,474	101,060
1981 .....	53,583	5,731	14,469	1,049	2,663	112,705
1982 .....	62,682	17,959	8,355	187	2,604	126,416
1983 .....	27,577	17,447	2,272	280	1,950	250,944
1984 .....	44,178	16,731	3,290	377	1,041	268,875
1985 .....	29,965	15,695	4,425	838	749	347,329
1986 .....	6,165	12,434	2,287	2,622	1,317	365,962
1987 <sup>2</sup> .....	7,472	19,560	1,227	1,121	3,966	298,781

<sup>1</sup> Excludes exports for relief and charity.<sup>2</sup> Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 500.—Chickens: Number and value, United States, Dec. 1, 1973-87 <sup>1</sup>

Year	Hens	Pullets			Other chickens	All chickens	Value per head	Total value
		Of laying age	3 months old and older not of laying age	Under 3 months old				
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973 .....	125,708	168,095	52,026	56,854	6,086	408,769	1.62	662,509
1974 .....	121,849	164,184	46,752	45,832	5,484	394,101	1.70	653,305
1975 .....	122,513	157,230	43,404	46,261	5,346	379,754	1.74	659,960
1976 .....	119,083	160,695	47,776	45,175	5,632	378,361	1.70	643,720
1977 .....	117,645	169,032	47,653	46,191	5,997	386,518	1.69	651,851
1978 .....	123,191	170,115	48,992	48,681	5,954	396,933	1.75	696,019
1979 .....	120,140	174,793	50,186	49,048	6,418	400,585	1.81	726,365
1980 .....	122,058	172,009	47,183	44,358	6,323	391,931	1.88	737,495
1981 .....	128,946	164,840	42,400	42,298	6,836	385,338	1.89	728,460
1982 .....	133,382	156,255	40,479	42,547	6,556	379,219	1.85	702,556
1983 .....	132,674	145,843	37,747	42,331	6,285	364,880	1.96	716,700
1984 .....	119,243	166,605	39,013	42,703	6,444	374,008	2.02	754,312
1985 .....	130,623	149,146	37,649	44,512	6,618	368,548	1.90	700,150
1986 .....	125,040	154,900	40,225	41,746	7,220	369,131	1.87	690,818
1987 <sup>2</sup> .....	124,624	160,905	41,036	44,469	6,482	377,516	1.87	706,079

<sup>1</sup> Does not include commercial broilers.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 501.—Chickens: Hens and pullets of laying age, by States, Dec. 1, 1985-87

State	Hens and pullets of laying age								
	Hens			Pullets			Total		
	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>	1985	1986	1987 <sup>1</sup>
	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands
AL.....	4,700	4,750	4,955	6,595	6,435	6,455	11,295	11,185	11,410
AK.....	24	10	1	19	43	3	43	53	4
AZ.....	298	315	221	82	165	149	380	480	370
AR.....	6,966	7,508	5,597	8,719	7,684	11,053	15,685	15,192	16,650
CA.....	16,700	15,400	15,800	15,700	17,500	18,200	32,400	32,900	34,000
CO.....	1,150	1,470	1,440	1,185	1,130	1,550	2,335	2,600	2,990
CT.....	1,816	2,182	2,505	2,915	3,211	1,997	4,731	5,398	4,502
DE.....	110	150	131	468	465	545	578	615	676
FL.....	7,900	6,750	6,100	3,100	3,710	4,700	10,400	10,460	10,800
GA.....	8,892	7,335	6,932	8,951	11,134	11,724	17,843	18,469	18,656
HI.....	609	609	598	391	364	384	1,000	973	982
ID.....	598	509	550	449	371	370	1,047	880	920
IL.....	1,310	1,230	1,240	1,370	1,450	1,820	2,650	2,680	3,060
IN.....	9,930	8,855	9,200	11,950	12,745	13,340	21,860	21,600	22,540
IA.....	2,700	2,600	2,900	3,500	3,400	3,900	6,200	6,000	6,800
KS.....	590	650	660	1,390	1,270	1,040	1,980	1,920	1,700
KY.....	875	880	950	930	925	985	1,805	1,805	1,935
LA.....	835	720	580	755	800	870	1,590	1,520	1,450
ME.....	2,267	2,148	3,262	2,700	2,714	1,940	4,967	4,862	5,202
MD.....	1,300	1,434	1,415	2,112	2,395	2,209	3,412	3,819	3,624
MA.....	360	500	305	680	630	585	1,040	1,130	890
MI.....	2,900	2,550	2,650	4,200	4,150	3,950	7,100	6,700	6,600
MN.....	3,945	4,700	4,400	5,725	5,300	5,200	9,670	10,000	9,600
MS.....	2,959	2,460	2,279	2,561	2,888	2,893	5,520	5,348	5,172
MO.....	2,100	2,700	2,500	3,900	3,600	4,600	6,000	6,300	7,100
MT.....	388	352	331	402	438	439	790	790	770
NE.....	1,900	1,800	1,800	1,590	1,600	2,080	3,490	3,400	3,880
NV.....	10	10	10	2	2	3	12	12	13
NH.....	221	157	98	201	146	167	422	303	265
NJ.....	1,255	1,020	1,070	545	900	580	1,800	1,920	1,650
NM.....	638	743	660	462	427	560	1,100	1,170	1,220
NY.....	2,800	2,400	1,500	3,700	3,200	2,800	6,500	5,600	4,300
NC.....	6,200	6,570	5,745	7,700	7,380	8,455	13,900	13,950	14,200
ND.....	275	128	95	165	102	140	440	230	235
OH.....	4,800	6,350	9,000	10,400	9,550	8,600	15,200	15,900	17,600
OK.....	1,700	1,300	900	2,130	2,100	2,300	3,830	3,400	3,200
OR.....	1,840	1,610	1,300	840	965	1,005	2,680	2,575	2,305
PA.....	8,300	5,700	7,100	10,100	11,600	11,400	18,400	17,300	18,500
RI.....	100	35	89	217	192	104	317	227	193
SC.....	2,550	2,750	2,570	3,870	3,490	3,710	6,420	6,240	6,280
SD.....	640	821	600	1,050	719	900	1,690	1,540	1,500
TN.....	1,120	1,000	1,260	1,560	1,585	1,210	2,680	2,585	2,470
TX.....	7,300	6,100	6,500	6,800	8,700	7,600	14,100	14,800	14,100
UT.....	910	1,213	1,086	838	845	939	1,748	1,858	2,025
VT.....	101	72	99	119	148	116	220	220	215
VA.....	1,596	1,590	1,639	1,728	2,113	2,085	3,324	3,703	3,724
WA.....	3,074	2,744	2,160	2,190	2,357	2,899	5,264	5,101	5,059
WV.....	203	341	308	268	157	241	471	498	549
WI.....	1,450	1,818	1,520	1,910	1,894	2,100	3,360	3,712	3,620
WY.....	18	11	13	12	11	10	30	22	23
US.....	130,623	125,040	124,624	149,146	154,900	160,905	279,769	279,940	285,529

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 502.—Chickens: Pullets not of laying age, and other chickens, by States, Dec. 1, 1985–87 <sup>1</sup>

State	Pullets 3 months old and older not of laying age			Pullets under 3 months old			Other chickens		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
AL.....	1,790	2,270	2,000	3,150	2,120	2,040	640	940	855
AK.....	21	3	0	1	1	1	1	1	1
AZ.....	56	21	6	9	11	4	15	16	5
AR.....	3,195	4,322	3,654	3,884	3,609	3,941	1,002	1,259	1,098
CA.....	2,300	4,800	3,400	4,300	2,900	3,100	220	300	200
CO.....	75	124	234	172	200	240	13	11	6
CT.....	667	842	818	741	385	1,090	37	14	80
DE.....	127	104	107	157	145	175	67	74	69
FL.....	1,050	1,300	980	1,700	1,700	1,580	150	150	150
GA.....	3,312	3,085	3,038	3,661	3,040	3,324	879	1,102	977
HI.....	92	107	124	118	105	106	0	0	0
ID.....	122	137	213	239	238	156	12	15	11
IL.....	390	290	380	500	260	520	40	40	50
IN.....	2,740	2,770	3,150	3,920	3,470	3,215	80	75	75
IA.....	900	800	750	950	850	800	50	50	50
KS.....	200	210	210	320	220	180	20	20	10
KY.....	( <sup>1</sup> )	320	180	( <sup>1</sup> )	120	435	( <sup>1</sup> )	55	50
LA.....	250	250	370	370	385	330	90	95	100
ME.....	631	579	1,020	1,026	1,054	1,115	15	13	13
MD.....	735	591	677	534	615	849	101	104	60
MA.....	192	30	134	109	130	222	24	20	24
MI.....	1,200	620	720	860	750	1,150	40	30	30
MN.....	1,720	1,260	1,000	1,250	1,485	1,250	60	55	50
MS.....	913	1,120	1,047	1,204	1,410	1,348	372	397	358
MO.....	650	750	1,000	1,000	870	500	50	80	100
MT.....	128	91	152	84	125	61	8	4	7
NE.....	180	225	200	280	350	350	20	25	20
NV.....	2	2	3	2	2	1	1	1	1
NH.....	81	63	21	58	56	75	11	8	4
NJ.....	90	10	90	160	135	5	5	5	5
NM.....	171	111	80	190	328	141	9	6	4
NY.....	700	500	480	740	570	600	60	30	20
NC.....	3,225	3,535	2,960	3,125	3,245	3,050	1,000	830	730
ND.....	43	30	52	46	24	23	11	6	5
OH.....	1,720	1,950	3,700	2,200	2,900	3,200	80	100	100
OK.....	370	480	670	220	450	590	130	170	140
OR.....	300	330	280	260	410	370	40	50	20
PA.....	1,710	2,200	2,400	1,810	2,400	2,920	180	150	130
RI.....	0	23	53	3	3	32	1	0	7
SC.....	650	960	730	430	1,150	1,030	100	100	60
SD.....	139	94	114	117	211	182	4	5	4
TN.....	( <sup>1</sup> )	265	290	( <sup>1</sup> )	550	410	( <sup>1</sup> )	100	80
TX.....	1,300	1,200	1,600	1,600	1,100	2,100	500	400	400
UT.....	377	203	325	297	345	167	3	3	3
VT.....	53	48	27	25	45	38	2	2	3
VA.....	636	624	771	688	472	549	174	172	215
WA.....	590	220	390	720	352	540	50	27	16
WV.....	( <sup>1</sup> )	41	45	( <sup>1</sup> )	75	73	( <sup>1</sup> )	56	54
WI.....	410	314	390	550	374	290	30	53	30
WY.....	2	1	1	1	1	1	2	1	2
US.....	37,649	40,225	41,036	44,512	41,746	44,469	6,618	7,220	6,482

<sup>1</sup> Data for Kentucky, Tennessee, and West Virginia not shown to avoid disclosing individual operations.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.



Table 503.—Chickens: Number, value per head, and total value, by States, Dec. 1, 1985-87<sup>1</sup>

State	Number			Value per head			Total value		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	16,875	16,515	16,305	1.90	2.15	2.30	32,063	35,507	37,502
AK.....	66	58	6	4.40	4.85	4.10	290	281	25
AZ.....	460	528	385	1.55	2.25	1.60	713	1,188	616
AR.....	23,766	24,382	25,343	2.85	2.50	2.70	67,733	60,955	68,426
CA.....	39,220	40,900	40,700	1.65	1.50	1.75	64,713	61,350	71,225
CO.....	2,595	2,935	3,470	1.75	1.35	1.45	4,541	3,962	5,032
CT.....	6,176	6,634	6,490	2.45	2.35	2.60	15,131	15,590	16,874
DE.....	929	938	1,027	4.45	4.05	4.35	4,134	3,799	4,467
FL.....	13,300	13,610	13,510	1.35	1.95	1.30	17,955	26,540	17,563
GA.....	25,695	25,696	25,995	2.15	2.25	2.45	55,244	57,816	63,688
HI.....	1,210	1,185	1,212	3.05	2.90	2.95	3,691	3,437	3,575
ID.....	1,420	1,270	1,300	1.80	1.60	1.35	2,556	2,032	1,755
IL.....	3,610	3,270	4,010	1.40	1.85	1.95	5,054	6,050	7,820
IN.....	28,620	27,915	28,980	1.20	1.40	1.30	34,344	39,081	37,674
IA.....	8,100	7,700	8,400	1.75	1.90	1.60	14,175	14,630	13,440
KS.....	2,520	2,370	2,100	1.35	1.60	1.25	3,402	3,792	2,625
KY.....	3,340	2,300	2,600	1.75	1.80	1.70	5,845	4,140	4,420
LA.....	2,300	2,250	2,250	2.20	2.20	2.15	5,060	4,950	4,838
ME.....	6,639	6,508	7,350	2.25	2.35	2.25	14,274	15,294	16,538
MD.....	4,782	5,129	5,210	2.55	2.15	1.80	12,194	11,027	9,378
MA.....	1,365	1,310	1,270	2.85	1.95	2.10	3,890	2,555	2,667
MI.....	9,200	8,100	8,500	1.45	1.45	1.30	13,340	11,745	11,050
MN.....	12,700	12,800	11,900	1.80	1.40	1.45	22,860	17,920	17,255
MS.....	8,009	8,275	7,925	2.50	2.65	2.80	20,023	21,929	22,190
MO.....	7,700	8,000	8,700	1.60	1.65	1.75	12,320	13,200	15,225
MT.....	1,010	1,010	990	1.80	2.00	2.45	1,818	2,020	2,426
NE.....	3,970	4,000	4,450	2.25	2.15	2.40	8,933	8,600	10,680
NV.....	17	17	18	2.60	2.90	3.10	44	49	56
NH.....	572	430	365	3.20	2.75	2.20	1,830	1,183	803
NJ.....	2,055	2,070	1,750	1.85	1.95	2.20	3,802	4,037	3,850
NM.....	1,470	1,615	1,445	2.25	2.45	2.00	3,308	3,957	2,890
NY.....	8,000	6,700	5,400	1.85	1.70	1.85	14,800	11,390	9,990
NC.....	21,250	21,560	20,940	2.15	1.85	1.55	45,688	39,886	32,457
ND.....	540	290	315	2.00	2.10	2.20	1,080	609	693
OH.....	19,200	20,850	24,600	1.35	1.45	1.40	25,920	30,233	34,440
OK.....	4,550	4,500	4,600	3.10	3.30	3.25	14,105	14,850	14,950
OR.....	3,280	3,365	2,975	1.90	1.90	1.60	6,232	6,394	4,760
PA.....	22,100	22,050	23,950	1.65	1.85	1.70	36,465	40,793	40,715
RI.....	321	253	285	2.60	2.05	2.85	835	519	812
SC.....	7,600	8,450	8,100	1.70	1.35	1.40	12,920	11,408	11,340
SD.....	1,950	1,850	1,800	1.80	1.60	1.85	3,510	2,960	3,330
TN.....	3,300	3,500	3,250	1.85	1.70	1.25	6,105	5,950	4,063
TX.....	17,500	17,500	18,200	2.00	1.60	1.70	35,000	28,000	30,940
UT.....	2,425	2,409	2,520	1.75	1.80	1.80	4,244	4,336	4,536
VT.....	300	315	283	2.70	2.35	2.15	810	740	608
VA.....	4,822	4,971	5,259	3.00	2.95	3.15	14,466	14,664	16,566
WA.....	6,624	5,700	6,005	1.85	1.60	1.60	12,254	9,120	9,608
WV.....	710	670	721	4.15	3.40	3.15	2,947	2,278	2,271
WI.....	4,350	4,453	4,330	1.70	1.80	1.70	7,395	8,015	7,361
WY.....	35	25	27	2.75	2.40	2.55	96	60	69
US.....	368,548	369,131	377,516	1.90	1.87	1.87	700,150	690,818	706,079

<sup>1</sup> Excludes commercial broilers.<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

Table 504.—Total poultry meat: Production in specified countries, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:			
Canada .....	608	628	646
Mexico .....	627	530	515
United States .....	7,865	8,262	9,105
Total .....	9,100	9,480	10,426
Central America:			
Guatemala .....	42	52	74
South America:			
Argentina .....	340	370	410
Brazil .....	1,530	1,680	1,865
Venezuela .....	363	366	413
Total .....	2,232	2,416	2,688
Europe:			
Belgium and Luxembourg .....	159	169	172
Denmark .....	115	115	113
France .....	1,272	1,325	1,393
Germany, Fed. Rep. of .....	357	376	389
Greece .....	146	146	148
Ireland .....	54	57	58
Italy .....	929	940	982
Netherlands .....	425	442	471
Portugal .....	159	162	197
Spain .....	810	759	790
United Kingdom .....	875	922	999
Total EC .....	5,301	5,413	5,712
Austria .....	71	73	75
Finland .....	20	22	27
Sweden .....	45	45	46
Switzerland .....	28	28	29
Total other Western Europe .....	164	168	177
Bulgaria .....	158	165	165
Czechoslovakia .....	183	185	189
Germany, Dem. Rep. .....	160	160	160
Hungary .....	400	445	478
Poland .....	285	325	332
Romania .....	450	455	425
Yugoslavia .....	297	329	323
Total Eastern Europe .....	1,933	2,064	2,072
Total Europe .....	7,398	7,645	7,961
Soviet Union .....	2,816	2,988	3,126
Africa:			
Egypt .....	170	160	150
South Africa .....	505	484	534
Total Africa .....	675	644	684
Asia, Middle East, and Oceania:			
Australia .....	345	367	403
Hong Kong .....	38	42	40
India .....	161	175	206
Iraq .....	221	230	172
Israel .....	180	152	157
Japan .....	1,395	1,421	1,465
Korea .....	128	132	144
Kuwait .....	19	19	19
New Zealand .....	42	46	47
Philippines .....	210	220	215
Saudi Arabia .....	186	196	230
Singapore .....	57	67	62
Syria .....	90	78	75
Taiwan .....	393	431	464
Thailand .....	393	431	464
Turkey .....	108	119	221
United Arab Emirates .....	12	14	14
Yemen .....	52	67	70
Total .....	3,982	4,169	4,410
Grand total .....	26,246	27,394	29,209

<sup>1</sup> Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 505.—Chickens: Lost, sold, and value of sales, 1987 (preliminary) <sup>1</sup>

State	Number		Pounds (live weight)	Price per pound live weight	Value of sales
	Lost <sup>2</sup>	Sold	Sold		
	<i>Thousands</i>	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	1,400	10,000	46,000	10.9	5,014
AK.....	50	10	45	50.0	23
AZ.....	54	403	1,612	10.0	161
AR.....	2,400	18,200	80,080	14.7	11,772
CA.....	4,100	18,600	74,400	7.5	5,580
CO.....	235	1,690	7,943	12.0	953
CT.....	477	4,451	22,255	9.0	2,003
DE.....	200	757	5,678	11.0	625
FL.....	1,560	4,600	22,080	9.0	1,987
GA.....	2,750	16,070	86,778	11.5	9,979
HI.....	172	350	1,260	15.2	192
ID.....	110	460	1,748	5.0	87
IL.....	400	2,100	9,660	12.2	1,179
IN.....	2,750	15,800	56,880	10.0	5,688
IA.....	1,000	5,000	17,500	10.9	1,908
KS.....	190	1,450	7,975	15.0	1,196
KY.....	300	1,300	4,550	14.0	637
LA.....	260	1,100	6,050	13.0	787
ME.....	306	3,810	20,955	9.0	1,886
MD.....	520	2,700	14,310	11.0	1,574
MA.....	77	1,072	5,896	9.0	531
MI.....	920	4,400	20,240	9.0	1,822
MN.....	1,300	7,700	27,720	11.0	3,049
MS.....	1,300	8,100	49,410	11.0	5,435
MO.....	1,100	5,000	31,500	13.0	4,095
MT.....	110	620	2,480	6.0	149
NE.....	420	1,790	6,981	10.0	698
NV.....	4	4	16	9.1	1
NH.....	14	319	1,755	9.0	158
NJ.....	250	1,060	4,452	18.0	801
NM.....	98	670	2,881	8.0	230
NY.....	500	6,500	25,350	7.1	1,800
NC.....	1,600	11,800	94,400	14.0	13,216
ND.....	120	250	1,000	6.0	60
OH.....	1,900	11,200	40,320	9.0	3,629
OK.....	500	3,000	22,800	14.7	3,352
OR.....	350	1,850	8,880	8.0	710
PA.....	1,800	15,900	87,450	9.0	7,871
RI.....	13	240	1,200	9.0	108
SC.....	790	4,300	19,350	11.5	2,225
SD.....	190	1,050	4,200	7.0	294
TN.....	310	1,650	6,600	10.0	660
TX.....	2,080	10,900	35,970	13.4	4,820
UT.....	212	955	3,820	6.0	229
VT.....	15	212	1,166	9.0	105
VA.....	302	2,740	20,550	12.5	2,569
WA.....	600	3,600	13,680	8.0	1,094
WV.....	90	370	1,665	10.0	167
WI.....	270	2,100	7,980	9.0	718
WY.....	12	9	42	5.0	2
US.....	36,481	218,212	1,037,512	11.0	113,828

<sup>1</sup> Estimates covers the 12-month period, Dec. 1 previous year through Nov. 30 and excludes broilers.<sup>2</sup> Includes death and other losses.

National Agricultural Statistics Service.

**Table 506.—Chickens: Production, disposition, cash receipts, and gross income, United States, 1973-87 <sup>1</sup>**

Year	Number				
	Raised	Lost <sup>2</sup>	Produced <sup>3</sup>	Consumed on production units	Sold
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1973.....	298,826	47,769	251,057	14,658	231,821
1974.....	288,353	46,235	242,118	14,421	252,365
1975.....	276,035	43,210	232,825	13,451	223,721
1976.....	270,678	42,077	228,601	12,775	217,219
1977.....	288,162	42,775	245,387	12,164	225,066
1978.....	283,066	41,371	241,695	11,420	219,860
1979 <sup>4</sup> .....	293,260	42,545	250,715	11,207	235,856
1980.....	285,057	44,421	240,636	10,795	238,495
1981.....	282,953	40,468	242,485	10,502	238,576
1982.....	281,365	35,191	246,174	10,266	242,027
1983.....	272,551	40,835	231,716	9,345	236,710
1984.....	288,698	46,229	242,469	8,677	224,664
1985.....	.....	37,502	.....	.....	220,395
1986.....	.....	35,820	.....	.....	216,338
1987 <sup>5</sup> .....	.....	36,481	.....	.....	218,212

  

Year	Pounds (live weight)			Price per pound live weight	Value of chickens produced	Cash receipts (sales)	Value of chickens consumed on production units	Gross income
	Produced	Consumed on production units	Sold					
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	1,172,220	56,245	1,121,546	15.1	176,454	169,495	7,878	177,373
1974.....	1,186,148	55,162	1,202,562	9.7	114,896	116,414	5,213	121,627
1975.....	1,066,512	51,393	1,047,000	9.9	104,669	104,093	5,175	109,268
1976.....	1,108,914	49,595	1,046,091	13.0	144,981	135,539	6,279	141,818
1977.....	1,171,656	47,491	1,082,313	12.3	145,429	132,675	5,706	138,381
1978.....	1,136,231	44,606	1,050,474	12.4	141,840	130,048	5,476	135,524
1979 <sup>4</sup> .....	1,216,156	43,802	1,147,638	13.9	170,593	160,088	6,084	166,172
1980.....	1,177,554	41,776	1,167,017	11.0	128,698	128,268	4,539	132,807
1981.....	1,214,886	41,443	1,187,255	11.1	135,282	132,271	4,508	136,779
1982.....	1,171,585	40,399	1,158,703	10.3	121,021	118,915	4,080	122,995
1983.....	1,137,215	36,820	1,158,551	12.7	145,327	147,454	4,670	152,124
1984.....	1,137,774	34,246	1,067,729	15.9	180,823	169,732	5,488	175,220
1985.....	.....	.....	1,029,146	14.8	152,175	.....	.....	.....
1986.....	.....	.....	1,019,446	12.5	127,572	.....	.....	.....
1987 <sup>5</sup> .....	.....	.....	1,037,512	11.0	113,828	.....	.....	.....

<sup>1</sup> Excludes broiler production.<sup>2</sup> Loss during year.<sup>3</sup> The quantity available for utilization during the year, i.e., sales plus home consumption plus or minus the change in inventory.<sup>4</sup> Included are layers destroyed because of possible PCB contamination.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 507.—Chickens and turkeys: Participation in the National Poultry and Turkey Improvement Plans, by States 1986<sup>1</sup>**

State	National Poultry Improvement Plan				National Turkey Improvement Plan			
	Hatcheries		Supply flocks		Hatcheries		Supply flocks	
	Number	Egg capacity <i>Thousands</i>	Flocks <i>Number</i>	Birds <i>Thousands</i>	Number	Egg capacity <i>Thousands</i>	Flocks <i>Number</i>	Birds <i>Thousands</i>
AL.....	57	72,316	417	4,602				
AZ.....	2	89	1					
AR.....	65	42,311	477	3,951	2	1,204	20	122
CA.....	4	( <sup>2</sup> )	10	129	7	( <sup>2</sup> )	114	659
CO.....	1	230	3	3	2	945	20	60
CT.....	6	1,973	219	371				
DE.....	4	11,361	24	143				
FL.....	35	15,561	146	1,330	3	410		
GA.....	37	61,838	677	7,685	1	400	9	35
ID.....	2	1,158	2	84				
IL.....	72	2,075	156	942	1	212	3	7
IN.....	29	8,978	172	809	1	350	10	14
IA.....	23	5,437	104	300	3	699	13	47
KS.....	14	1,634	211	33	3	578	4	35
KY.....	5	1,394	27	98				
LA.....	49	3,239	121	786				
ME.....	5	4,092	81	88			6	( <sup>3</sup> )
MD.....	16	31,072	302	541	1	10	2	( <sup>3</sup> )
MA.....	8	1,882	198	180			4	2
MI.....	5	866	10	57	1	617	5	34
MN.....	46	6,219	89	398	7	8,124	118	808
MS.....	88	31,074	317	3,047				
MO.....	15	5,512	321	114	4	2,520	15	188
MT.....	4	251	5	3				
NE.....	13	1,261	77	23			4	16
NH.....	1	1,200	42	99	1	58	2	1
NJ.....	10	384	14	6	2	82	2	2
NM.....	2	204			2	42		
NY.....	42	916	58	64				
NC.....	34	48,212	890	8,610	8	4,875	174	1,078
ND.....	4	124	3	4				
OH.....	20	2,474	146	96	3	2,148	48	249
OK.....	53	7,626	358	1,082	2	658		
OR.....	13	4,332	21	76	3	405	4	20
PA.....	33	15,684	130	804	3	370	3	12
RI.....			15	1	1	20	1	( <sup>3</sup> )
SC.....	6	2,970	60	205	1	832		
SD.....	9	866	10	36	1	10		
TN.....	19	790	53	295				
TX.....	20	8,087	69	180	2	646	12	142
UT.....	1	500	1	10	2	810	2	46
VT.....	1	( <sup>2</sup> )	19	17				
VA.....	7	9,812	56	232	3	1,788	43	213
WA.....	7	2,363	30	166			4	29
WV.....	2	2,058	5	150				
WI.....	36	3,209	34	182	3	976	18	98
US.....	925	423,633	6,181	37,324	73	29,789	660	3,918

<sup>1</sup> Year beginning July 1, 1986.

<sup>2</sup> Not reported.

<sup>3</sup> Less than 1,000 birds.

Animal and Plant Health Inspection Service.

**Table 508.—Chickens: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1973-87**

Year	Production			Com- mercial storage at begin- ning of year	Exports and ship- ments to ter- ritories	Com- mercial storage at end of year	Consumption	
	Com- mercial broilers	Other chickens	Total <sup>1</sup>				Total <sup>1</sup>	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1973.....	8,025	736	8,760	111	203	147	8,521	40.2
1974.....	8,126	789	8,915	147	235	175	8,652	40.4
1975.....	8,127	696	8,823	175	273	115	8,610	39.8
1976.....	9,067	684	9,752	115	451	155	9,261	42.4
1977.....	9,418	700	10,118	155	481	139	9,652	43.9
1978.....	10,129	665	10,793	139	505	102	10,325	46.4
1979.....	11,219	731	11,950	102	597	142	11,312	50.3
1980.....	11,353	756	12,109	142	781	136	11,334	49.7
1981.....	11,985	757	12,742	136	920	149	11,810	51.3
1982.....	12,167	744	12,912	149	675	135	12,251	52.7
1983.....	12,400	717	13,117	135	591	113	12,548	53.4
1984.....	13,016	672	13,688	113	580	139	13,083	55.2
1985.....	13,762	636	14,397	139	582	171	13,784	57.6
1986.....	14,316	627	14,943	171	734	187	14,192	58.7
1987 <sup>2</sup> .....	15,594	650	16,245	187	920	213	15,298	62.8

<sup>1</sup> Totals may not add due to rounding. <sup>2</sup> Preliminary.

Economic Research Service.

**Table 509.—Chickens: Broiler production and value, United States, 1973-87 <sup>1</sup>**

Year	Production		Price per pound <sup>2</sup>	Value of produc- tion <sup>3</sup>	Year	Production		Price per pound <sup>2</sup>	Value of produc- tion <sup>3</sup>
	Number	Weight				Number	Weight		
	<i>Thou- sands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Thou- sands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1973 <sup>4</sup> .....	3,008,667	11,219,885	24.0	2,690,362	1981.....	4,147,521	16,519,568	28.4	4,699,379
1974.....	2,992,820	11,320,396	21.5	2,436,224	1982.....	4,148,970	16,759,860	26.9	4,502,214
1975.....	2,950,099	11,096,015	26.3	2,915,017	1983.....	4,183,660	17,037,998	28.6	4,872,707
1976.....	3,273,556	12,481,136	23.6	2,945,058	1984.....	4,282,391	17,862,944	33.7	6,017,504
1977.....	3,398,897	12,961,942	23.6	3,059,497	1985.....	4,478,749	18,850,790	30.1	5,680,188
1978.....	3,613,647	13,999,702	26.3	3,675,628	1986.....	4,646,312	19,651,075	34.5	6,780,124
1979.....	3,951,291	15,521,728	26.0	4,031,945	1987 <sup>5</sup> .....	5,002,934	21,520,242	28.7	6,175,721
1980.....	3,963,211	15,538,573	27.7	4,302,818					

<sup>1</sup> Broilers are young chickens of the heavy breeds and other meat-type birds, to be marketed at 2-5 pounds live weight, and from which no pullets are kept for egg production. These figures are not included in farm production of chickens.<sup>2</sup> Live weight equivalent price.<sup>3</sup> Includes value of consumption in households of producers, which is less than 1 percent of total production.<sup>4</sup> Commercial broilers reported on a Dec. 1 through Nov. 30 marketing year.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

Table 510.—Chickens: Broiler production and gross income, by States, 1986 and 1987 <sup>1</sup>

State	1986				1987 <sup>4</sup>			
	Production		Price per pound <sup>2</sup>	Value of production <sup>3</sup>	Production		Price per pound <sup>2</sup>	Value of production <sup>3</sup>
	Number	Weight			Number	Weight		
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	587,563	2,350,252	33.0	775,583	666,538	2,732,806	27.0	737,858
AR.....	786,779	3,225,794	36.0	1,161,286	878,574	3,690,011	30.0	1,107,003
CA.....	184,832	868,710	36.0	312,736	196,120	921,764	37.0	341,053
DE.....	196,783	944,558	37.5	354,209	209,818	1,049,090	30.5	319,972
FL.....	111,884	447,536	33.0	147,687	116,980	479,618	26.5	127,099
GA.....	697,364	2,928,929	32.5	951,902	733,417	3,153,693	26.5	835,729
HI.....	2,288	8,923	51.0	4,551	2,311	9,475	52.0	4,927
IA.....	2,700	22,950	33.0	7,574	2,600	23,400	27.0	6,318
KY.....	3,012	12,650	33.0	4,175	2,894	12,155	37.0	3,282
MD.....	263,885	1,134,706	37.5	425,515	264,196	1,162,462	30.5	354,551
MI.....	600	2,520	35.0	882	675	2,303	29.0	842
MN.....	29,700	136,620	33.0	45,085	31,700	145,820	26.0	37,913
MS.....	335,704	1,376,386	35.5	488,617	343,995	1,407,920	29.5	415,336
NE.....	832	3,744	40.0	1,498	1,074	5,907	31.0	1,881
NY.....	2,000	9,000	36.0	3,240	2,100	9,450	30.0	2,835
NC.....	450,500	2,027,250	33.0	668,993	477,700	2,197,420	26.5	582,316
OH.....	9,900	42,570	34.0	14,474	11,000	47,300	23.0	10,879
OK.....	79,500	325,950	35.0	114,083	90,600	362,400	23.0	105,096
OR.....	15,800	71,100	32.0	22,752	17,800	79,900	28.0	22,372
PA.....	101,907	428,009	32.0	136,963	115,635	485,667	29.0	140,843
SC.....	63,801	242,444	33.0	80,006	68,051	272,204	26.5	72,134
TN.....	82,500	346,500	31.5	109,148	92,500	388,500	25.5	99,068
TX.....	238,600	1,025,980	36.0	369,353	259,000	1,087,800	31.0	337,218
VA.....	154,156	693,702	35.0	242,796	154,036	708,566	28.5	201,941
WA.....	25,100	112,950	31.0	25,015	26,200	120,520	29.0	34,951
WV.....	29,010	104,436	36.5	38,119	32,770	121,249	25.5	30,918
WI.....	11,600	48,720	34.0	16,565	13,200	55,440	30.5	16,909
Other States.....	260,512	1,054,685	27.7	291,810	192,850	786,303	28.5	224,526
Total.....	4,646,312	19,651,075	34.5	6,680,124	5,002,934	21,520,242	28.7	6,175,721

<sup>1</sup> Commercial broiler production including other meat-type breeds; excludes States producing less than 500,000 birds. Estimates of commercial broilers are for a Dec. 1 through Nov. 30 marketing year. <sup>2</sup> Live-weight equivalent price. <sup>3</sup> Value income including home consumption. <sup>4</sup> Preliminary.

National Agricultural Statistics Service.

Table 511.—Chicks hatched by commercial hatcheries: Number, average price, and value, United States, 1973-87

Year	Chicks hatched			Average price of baby chicks per 100	Value of chick production <sup>1</sup>
	Broiler-type	Egg-type	All		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	3,206,986	534,256	3,741,242	12.70	441,968
1974.....	3,104,430	473,403	3,577,833	14.10	473,759
1975.....	3,169,071	453,804	3,622,875	14.60	493,198
1976.....	3,488,326	492,180	3,980,506	15.40	568,957
1977.....	3,636,672	501,913	4,138,585	15.80	612,591
1978.....	3,879,339	491,578	4,370,917	16.30	687,723
1979.....	4,197,758	518,953	4,716,711	16.80	749,572
1980.....	4,280,338	484,622	4,764,960	17.10	777,664
1981.....	4,416,641	454,175	4,870,816	18.10	843,926
1982.....	4,445,583	444,420	4,890,003	18.20	854,091
1983.....	4,446,999	405,935	4,853,934	18.30	851,142
1984.....	4,593,930	458,530	5,052,460	19.20	930,487
1985.....	4,802,156	406,837	5,208,993	18.80	939,116
1986.....	5,013,303	423,721	5,437,024	18.70	975,780
1987.....	5,373,228	427,785	5,801,013	19.80	1,105,993

<sup>1</sup> Excludes egg-type cockerels destroyed.  
National Agricultural Statistics Service.

**Table 512.—Chicks hatched by commercial hatcheries: Number and average price, by regions, 1986 and 1987**

Region <sup>1</sup>	Broiler-type chicks				Egg-type chicks			
	Hatched		Average price per 100		Hatched		Average price per 100	
	1986	1987	1986	1987	1986	1987	1986	1987
	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>
Northeast.....	666,336	667,507	17.80	16.70	66,038	64,419	45.10	44.40
Lake States.....	45,786	47,873	37.30	45.30	35,297	41,583	45.60	44.00
Corn Belt.....	79,524	94,687	36.80	33.80	111,999	116,056	50.70	52.10
Appalachian.....	659,513	736,935	16.60	17.70	19,610	19,975	45.60	38.70
Southeast.....	1,649,138	1,786,588	12.50	15.70	80,189	73,455	61.30	64.50
Delta States.....	1,301,297	1,423,653	15.40	15.50	30,855	30,643	38.20	38.20
Southern Plains.....	330,225	358,309	30.20	31.40	9,745	9,770	44.40	42.00
Pacific.....	244,924	259,257	33.60	33.80	52,500	53,658	54.50	56.40
US <sup>2</sup> .....	5,013,303	5,379,228	17.30	18.60	423,721	427,785	50.70	51.10

<sup>1</sup> Northeast—New England, Delaware, Maryland, New Jersey, New York, Pennsylvania; Lake States—Michigan, Minnesota, Wisconsin; Corn Belt—Illinois, Indiana, Iowa, Missouri, Ohio; Appalachian—Kentucky, North Carolina, Tennessee, Virginia, West Virginia; Southeast—Alabama, Florida, Georgia, South Carolina; Delta States—Arkansas, Mississippi, Louisiana; Southern Plains—Oklahoma, Texas; Pacific—California, Oregon, Washington.

<sup>2</sup> Includes other regions not published separately.

National Agricultural Statistics Services.

**Table 513.—Poultry: Feed-price ratios, and poultry ration cost, United States, 1973-87**

Year	Ratios <sup>1 2</sup>			Year	Ratios <sup>1 2</sup>		
	Egg-feed	Broiler-feed	Turkey-feed		Egg-feed	Broiler-feed	Turkey-feed
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>		<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1973.....	7.9	3.2	4.4	1981.....	6.0	2.5	3.1
1974.....	7.0	2.6	3.3	1982.....	6.2	2.6	3.3
1975.....	7.0	3.2	4.0	1983.....	6.0	2.6	3.0
1976.....	7.8	2.8	3.7	1984.....	6.9	2.9	3.9
1977.....	7.3	2.7	3.8	1985.....	6.3	3.0	4.5
1978.....	6.9	3.1	4.6	1986.....	7.0	3.7	4.1
1979.....	7.0	2.8	4.2	1987.....	6.4	3.2	3.2
1980.....	6.1	2.7	3.6				

<sup>1</sup> Number of pounds of poultry feed equivalent in value at local market prices to 1 dozen eggs, or 1 pound of chicken or turkey live weight. Simple average of monthly ratios.

<sup>2</sup> Ratio computed on a December through November marketing year rather than a calendar year.

National Agricultural Statistics Service.



**Table 514.—Poultry: Slaughtered under Federal inspection, United States, by classes, 1985-87**

Class	Number inspected			Pounds inspected (live weight)		
	1985	1986	1987	1985	1986	1987
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	4,439,051	4,642,784	4,971,470	18,623,543	19,675,636	21,339,550
Mature chickens.....	178,229	190,881	197,925	808,769	859,494	890,163
Total chickens.....	4,617,280	4,833,665	5,169,395	19,432,312	20,535,130	22,229,713
Young turkeys.....	169,614	191,429	224,530	3,444,365	3,879,405	4,609,521
Old turkeys.....	1,291	1,222	1,642	28,012	27,371	37,573
Fryer-roaster turkeys.....	4,292	4,222	4,903	41,128	40,264	46,639
Total turkeys.....	175,197	196,873	231,075	3,513,505	3,947,050	4,693,733
Ducks.....	21,608	22,882	23,216	140,272	149,335	150,552
Other poultry.....				5,441	4,871	5,826
Total poultry.....				23,091,530	24,636,386	27,079,824

  

Class	Pounds certified (ready-to-cook)			Pounds condemned		
	1985	1986	1987	Ante-mortem (live weight)		
				1985	1986	1987
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	13,569,794	14,265,627	15,502,464	60,533	61,331	71,958
Mature chickens.....	501,868	530,668	552,048	10,078	9,751	10,584
Total chickens.....	14,071,662	14,796,295	16,054,512	70,611	71,082	82,542
Young turkeys.....	2,746,289	3,080,588	3,651,843	9,454	12,519	15,964
Old turkeys.....	21,559	21,181	28,806	239	237	357
Fryer-roaster turkeys.....	32,152	31,309	36,435	90	109	81
Total turkeys.....	2,800,000	3,133,078	3,717,084	9,783	12,865	16,402
Ducks.....	97,354	104,620	106,495	156	247	304
Other poultry.....	3,213	2,871	3,455	13	10	10
Total poultry.....	16,972,229	18,036,864	19,881,546	80,563	84,204	99,258

  

Class	Pounds condemned—Continued		
	Post-mortem (New York dressed weight)		
	1985	1986	1987
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	278,689	321,427	349,317
Mature chickens.....	27,024	30,922	34,169
Total chickens.....	305,713	352,340	383,486
Young turkeys.....	54,521	67,555	86,281
Old turkeys.....	1,100	1,097	1,918
Fryer-roaster turkeys.....	581	462	566
Total turkeys.....	56,203	69,114	88,765
Ducks.....	2,056	2,037	1,873
Other poultry.....	72	50	78
Total poultry.....	364,044	423,564	474,202

National Agricultural Statistics Service.

**Table 515.—Poultry: Inspected for further processing and cut up under Federal inspection, United States, 1973-87**

Year	Young chickens		Mature chickens		Turkeys			Other poultry <sup>1</sup>		Total poultry	
	Further processed	Cut up	Further processed	Cut up	Further processed		Cut up	Further processed <sup>3</sup>	Cut up	Further processed	Cut up
					Whole <sup>2</sup>	Other					
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1973.....	485,339	2,443,143	481,253	5,413	790,841		262,702	115,121	1,446	1,872,554	2,712,704
1974.....	495,659	2,465,624	423,278	6,885	386,953	509,397	295,444	89,722	706	1,905,009	2,768,659
1975.....	540,640	2,582,072	356,247	9,926	371,623	536,224	312,764	87,500	483	1,892,234	2,905,245
1976.....	643,443	3,113,600	435,859	8,202	446,215	607,724	387,067	117,270	684	2,250,511	3,509,553
1977.....	715,839	3,521,522	417,921	10,495	459,294	665,452	426,125	129,547	2,115	2,388,053	3,960,257
1978.....	830,229	3,717,089	453,299	10,898	500,892	710,438	466,067	127,358	2,339	2,622,216	4,196,393
1979.....	989,120	3,988,043	472,933	4,260	537,739	799,653	525,905	138,212	1,174	2,937,657	4,519,382
1980.....	1,219,925	4,882,312	518,036	5,123	671,124	952,774	655,797	204,658	2,281	3,566,517	5,545,513
1981.....	1,352,259	5,237,755	503,546	15,183	705,498	984,606	701,267	275,850	2,239	3,821,759	5,956,444
1982.....	1,510,095	5,791,426	496,935	23,107	747,421	1,003,939	733,976	324,967	2,569	4,083,357	6,551,078
1983.....	1,846,364	6,439,971	550,316	26,495	708,678	1,144,446	809,195	360,564	15,168	4,610,368	7,290,829
1984.....	2,192,917	6,761,109	549,366	5,950	648,992	1,248,625	942,065	372,948	12,646	5,012,848	7,721,770
1985.....	2,377,537	7,247,536	529,378	29,223	683,423	1,289,960	837,278	359,534	11,241	5,239,832	8,125,278
1986.....	2,969,684	8,101,601	579,053	26,712	844,307	1,498,543	1,084,686	337,045	20,120	6,228,632	9,233,119
1987.....	3,420,568	8,697,617	660,505	9,815	1,068,465	1,658,599	1,360,857	384,759	25,042	7,192,896	10,093,331

<sup>1</sup> Poultry parts and fat used in further processing that cannot be identified by class are included in "Other poultry."

<sup>2</sup> Whole carcass turkeys which have been injected, basted, marinated, smoked, or barbecued, and packaged as such. Beginning 1974, "Whole" and "Other" estimated separately.

<sup>3</sup> Includes whole carcass turkeys.

National Agricultural Statistics Service.

**Table 516.—Poultry and poultry products: Cold-storage holdings, first of month, United States, 1986-87**

Month	Shell eggs		Frozen eggs		Turkeys		Total poultry	
	1986	1987	1986	1987	1986	1987	1986	1987
January.....	28	20	12,672	14,296	159,207	198,100	332,676	388,836
February.....	21	25	12,762	13,481	163,613	211,376	343,450	408,931
March.....	20	32	10,676	14,459	150,530	225,981	339,743	426,836
April.....	32	28	12,458	14,892	188,911	250,822	381,200	457,077
May.....	44	38	11,618	17,371	229,461	298,114	414,987	512,932
June.....	38	32	14,154	16,917	297,799	381,589	483,916	593,064
July.....	25	34	15,131	17,315	388,110	472,739	569,469	675,831
August.....	33	32	15,042	17,485	449,341	560,017	628,965	745,318
September.....	29	33	13,961	16,467	511,562	640,790	689,021	841,736
October.....	20	51	14,014	17,928	543,204	629,876	716,158	841,448
November.....	29	40	12,977	17,359	249,046	321,505	422,888	530,457
December.....	22	43	12,843	19,274	178,226	282,442	368,943	501,497

National Agricultural Statistics Service.

**Table 517.—Chickens and turkeys: Number classified as “U.S. Pullorum-Typhoid Clean,” and number and percentage of reactors, United States, 1973–86**

Year beginning July	Chicken tests				Turkey tests			
	States reporting	Chickens in tested flocks (first test)	Reactors <sup>1</sup>		States reporting	Turkeys in tested flocks (first test)	Reactors	
	Number	Thousands	Number	Percent	Number	Number	Number	Percent
1973.....	47	26,744	88	0.0012	47	3,256,168	0	0.0000
1974.....	47	25,133	165	.0029	47	2,888,688	0	.0000
1975.....	47	26,699	38	.0008	47	2,891,148	0	.0000
1976.....	47	28,846	90	.0019	47	2,693,782	0	.0000
1977.....	47	30,313	12	.0002	47	2,496,872	0	.0000
1978.....	47	33,506	1	.0000	47	2,984,142	0	.0000
1979.....	47	36,112	41	.0011	47	3,256,844	0	.0000
1980.....	47	35,767	97	.0032	47	3,172,056	0	.0000
1981.....	47	36,024	14	.0004	47	3,135,338	0	.0000
1982.....	47	36,565	344	.0127	47	2,846,709	0	.0000
1983.....	47	36,128	0	.0000	47	2,592,421	0	.0000
1984.....	47	33,811	1	.0000	47	2,974,904	0	.0000
1985.....	47	36,484	9	.0000	47	2,972,518	0	.0000
1986.....	47	37,324	187	.0005	47	3,917,589	0	.0000

<sup>1</sup> Number of reacting birds and percent of birds tested.  
Animal and Plant Health Inspection Service.

**Table 518.—Turkey breeder hens: Number, value per head, and total value, Dec. 1, 1973–87 <sup>1</sup>**

Year	Number	Value per head	Total value	Year	Number	Value per head	Total value	Year	Number	Value per head	Total value
	<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1973.....	3,148	9.47	32,378	1978.....	3,370	12.53	42,222	1983.....	3,155	17.59	55,500
1974.....	2,970	9.81	29,126	1979.....	3,705	13.57	50,288	1984 <sup>2</sup> .....	3,159	16.54	52,244
1975.....	3,014	10.81	32,580	1980.....	3,749	14.11	52,887	1985.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1976.....	3,069	11.13	34,168	1981.....	3,514	15.35	53,962	1986.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1977.....	3,038	11.39	34,614	1982.....	3,429	14.60	50,053	1987.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> Major producing States. <sup>2</sup> Estimates of Turkey Breeder Hens are terminated with 1984 data.  
National Agricultural Statistics Service.

**Table 519.—Turkeys: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1973-87**

Year	Production	Commercial storage at beginning of year	Exports and shipments to territories	Commercial storage at end of year	Consumption	
					Total <sup>1</sup>	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1973.....	1,933	208	54	281	1,806	8.5
1974.....	1,921	281	43	275	1,884	8.8
1975.....	1,808	275	53	195	1,830	8.5
1976.....	2,059	195	71	203	1,979	9.1
1977.....	2,025	203	56	168	2,003	9.1
1978.....	2,098	168	57	175	2,034	9.1
1979.....	2,344	175	57	240	2,223	9.9
1980.....	2,432	240	81	198	2,392	10.5
1981.....	2,577	198	68	238	2,468	10.7
1982.....	2,522	238	56	204	2,501	10.8
1983.....	2,649	204	54	162	2,637	11.2
1984.....	2,685	162	34	125	2,688	11.3
1985.....	2,942	125	34	150	2,884	12.1
1986.....	3,271	150	31	178	3,212	13.3
1987 <sup>2</sup> .....	3,828	178	37	282	3,686	15.1

<sup>1</sup> Totals may not add due to rounding.<sup>2</sup> Preliminary.

Economic Research Service.

**Table 520.—Turkeys: Production, and value, United States, 1973-87**

Year	Number raised <sup>1</sup>	Pounds (live weight) produced	Price per pound live weight	Value of production
1973.....	132,231	2,451,848	38.2	935,882
1974.....	131,909	2,437,121	28.0	683,164
1975.....	124,165	2,276,504	34.8	793,271
1976.....	140,021	2,606,265	31.7	825,095
1977.....	136,390	2,562,825	35.5	910,396
1978.....	138,939	2,654,788	43.6	1,157,200
1979.....	156,457	2,957,612	41.1	1,214,357
1980.....	165,243	3,076,858	41.3	1,271,637
1981.....	170,875	3,264,463	38.2	1,247,803
1982.....	165,464	3,175,060	39.5	1,254,700
1983.....	170,723	3,335,519	38.0	1,269,051
1984.....	171,296	3,385,248	48.9	1,655,256
1985.....	185,352	3,702,894	49.1	1,818,626
1986.....	207,216	4,141,697	47.0	1,948,438
1987 <sup>2</sup> .....	240,349	4,888,216	34.8	1,701,137

See footnotes on page 363.

Table 521.—Turkeys: Production and value, by States, 1987

State	Number raised <sup>1</sup>	Pounds produced <sup>2</sup>	Price per pound <sup>3</sup>	Value of production
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
AR.....	18,000	369,000	32.0	118,080
CA.....	25,500	545,700	33.0	180,081
CT.....	30	660	94.0	620
GA.....	2,432	67,366	33.0	22,231
IL.....	698	14,379	40.0	5,752
IN.....	13,000	256,100	37.0	94,757
LA.....	8,500	193,800	35.0	67,830
KS.....	193	4,632	30.0	1,390
MD and DE <sup>4</sup> .....	133	2,660	60.0	1,596
MA.....	140	2,800	99.0	2,772
MI.....	3,000	79,500	36.0	28,620
MN.....	40,500	712,800	32.0	228,096
MO.....	15,500	310,000	35.0	108,500
NE.....	1,942	35,344	36.0	12,724
NH.....	26	520	99.0	515
NJ.....	115	2,576	100.0	2,576
NY.....	437	9,439	35.0	3,304
NC.....	48,350	918,650	34.0	312,341
ND.....	1,200	23,400	30.0	7,020
OH.....	3,400	88,400	32.0	28,288
OR.....	1,830	33,855	37.0	12,526
PA.....	8,000	160,000	42.0	67,200
SC.....	3,950	109,415	34.0	37,201
SD.....	2,376	67,003	32.0	21,441
UT.....	3,731	90,290	42.0	37,922
VA.....	16,200	299,700	37.0	110,889
WV.....	2,400	44,640	30.0	13,392
WI.....	5,450	143,240	34.0	50,402
Other States <sup>5</sup> .....	13,316	297,346	41.4	123,072
US <sup>6</sup> .....	240,349	4,888,216	34.8	1,701,137

<sup>1</sup> Based on turkeys hatched from Sept. 1, 1984 through Aug. 31, 1985. Excludes young turkeys lost.

<sup>2</sup> Includes home consumption.

<sup>3</sup> Live-weight equivalent price.

<sup>4</sup> MD and DE combined.

<sup>5</sup> Colorado, Oklahoma, and Texas combined to avoid disclosing individual operations.

<sup>6</sup> Sum of States may not add to U.S. total due to rounding.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 520

<sup>1</sup> Total poults hatched less death loss of poults and young turkeys during the year.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 522.—Turkeys: Poults hatched by commercial hatcheries, by breeds, United States, 1973-87**

Year	Total all heavy breeds <sup>1</sup>	Light breeds <sup>2</sup>	Total all breeds
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1973.....	128,906	16,679	145,585
1974.....	125,559	14,420	140,019
1975.....	121,158	15,918	137,076
1976.....	130,980	18,494	149,474
1977.....	136,029	12,354	148,383
1978.....	148,838	8,689	157,527
1979.....	166,014	13,955	179,969
1980.....	171,842	16,824	188,666
1981.....	176,939	10,895	187,334
1982.....	176,769	7,472	184,241
1983 <sup>3</sup> .....	176,253	5,869	182,122
1984 <sup>3</sup> .....	(*)	(*)	184,238
1985 <sup>3</sup> .....	(*)	(*)	198,683
1986 <sup>3</sup> .....	(*)	(*)	225,380
1987 <sup>3</sup> .....	(*)	(*)	264,228

<sup>1</sup> Birds for which the normal mature marketing live weight is 12 pounds or over.

<sup>2</sup> Birds for which the normal mature marketing live weight is less than 12 pounds.

<sup>3</sup> Poults placed and excludes exported poults.

<sup>4</sup> Heavy breeds and light breeds not published.

National Agricultural Statistics Service.

**Table 523.—Turkeys: Poults placed by commercial hatcheries, U.S. and regions, 1986 and 1987**

Month	United States			1987				
	1986	1987	1987 as percent of 1986	East North Central	West North Central	North and South Atlantic	South Central	West
	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
All breeds:								
Jan.....	17,204	21,646	126	1,935	6,885	6,984	2,472	3,370
Feb.....	18,608	21,285	114	1,961	7,036	6,243	2,600	3,425
Mar.....	20,761	25,401	122	2,307	8,820	7,306	2,821	4,147
Apr.....	23,065	26,703	116	2,708	9,308	7,606	2,927	4,154
May.....	24,337	26,623	109	2,904	9,065	7,757	2,862	4,035
June.....	23,394	27,265	117	3,283	9,281	8,114	2,819	3,768
July.....	22,310	25,999	117	2,879	8,455	8,013	2,693	3,959
Aug.....	16,405	19,889	121	2,163	5,230	7,009	1,814	3,673
Sept.....	13,620	15,024	110	1,657	4,535	5,222	1,063	2,547
Oct.....	14,135	16,743	118	1,854	5,211	5,938	1,309	2,431
Nov.....	13,836	17,714	128	2,097	5,071	6,408	1,705	2,433
Dec.....	17,705	19,956	113	2,228	5,839	6,732	2,401	2,756
Total.....	225,380	264,228	117	27,976	84,736	83,332	27,486	40,698

National Agricultural Statistics Service.

Table 524.—Eggs: Number of hens and pullets, rate of lay, and production, by States, 1986 and 1987 <sup>1</sup>

State	1986			1987		
	Hens and pullets, average number during year	Rate of lay per layer during year <sup>2</sup>	Eggs produced	Hens and pullets, average number during year	Rate of lay per layer during year <sup>2</sup>	Eggs produced
	Thousands	Number	Millions	Thousands	Number	Millions
AL.....	11,047	246	2,723	11,018	236	2,605
AK.....	51	251	12.8	31	213	6.6
AZ.....	468	259	121	389	252	98
AR.....	15,518	240	3,731	16,084	241	3,874
CA.....	32,250	243	7,850	33,376	240	8,023
CO.....	2,439	236	575	2,719	236	641
CT.....	5,232	245	1,281	4,901	245	1,200
DE.....	622	217	135	688	209	144
FL.....	10,441	257	2,683	10,361	247	2,564
GA.....	17,746	243	4,318	18,407	243	4,476
HI.....	987	230	227	975	229	223.3
ID.....	922	249	230	969	246	238
IL.....	2,633	252	663	2,819	252	709
IN.....	21,746	256	5,561	22,178	259	5,750
IA.....	5,846	246	1,441	6,175	248	1,534
KS.....	1,834	252	463	1,886	258	486
KY.....	1,808	232	420	1,919	243	466
LA.....	1,506	223	336	1,472	219	323
ME.....	4,893	253	1,239	4,811	276	1,328
MD.....	3,591	248	890	3,742	247	926
MA.....	1,195	264	315	1,056	259	273
MI.....	6,513	252	1,644	6,628	250	1,656
MN.....	9,387	246	2,312	9,175	247	2,263
MS.....	5,321	239	1,274	5,272	239	1,259
MO.....	5,892	237	1,397	6,280	243	1,525
MT.....	790	254	201	789	260	205
NE.....	3,469	239	829	3,570	243	869
NV.....	12	183	2.2	12	183	2.2
NH.....	351	271	95	284	268	76
NJ.....	1,865	269	501	1,796	264	475
NM.....	1,146	244	280	1,207	250	302
NY.....	6,125	249	1,523	4,367	255	1,115
NC.....	13,761	238	3,279	13,886	234	3,251
ND.....	256	238	61	246	236	58
OH.....	15,133	256	3,873	16,662	261	4,351
OK.....	3,551	228	809	3,463	232	805
OR.....	2,644	249	659	2,488	256	638
PA.....	17,927	262	4,692	18,266	266	4,853
RI.....	231	251	58	213	258	55
SC.....	6,308	256	1,615	6,305	254	1,604
SD.....	1,619	244	395	1,501	239	358
TN.....	2,637	251	663	2,684	250	670
TX.....	13,803	243	3,355	14,347	239	3,424
UT.....	1,781	257	457	1,919	258	496
VT.....	213	268	57	224	268	60
VA.....	3,790	241	914	3,794	248	942
WA.....	5,059	256	1,295	5,016	260	1,303
WV.....	483	226	109	492	220	108
WI.....	3,393	245	830	3,597	244	877
WY.....	25	180	4.5	23	187	4.3
US <sup>3</sup> .....	276,255	248	68,398	280,475	248	69,492

<sup>1</sup> Annual estimates cover the period Dec. 1, previous year through Nov. 30.<sup>2</sup> Total egg production divided by average number of layers on hand.<sup>3</sup> Sum of States may not add to U.S. total due to rounding.

National Agricultural Statistics Service.

Table 525.—Eggs: Production in specified countries, 1985-87

Continent and country	1985	1986	1987 <sup>1</sup>	Continent and country	1985	1986	1987 <sup>1</sup>
	<i>Mil- lions</i>	<i>Mil- lions</i>	<i>Mil- lions</i>		<i>Mil- lions</i>	<i>Mil- lions</i>	<i>Mil- lions</i>
North America:				East Europe:			
Canada.....	5,855	5,898	5,706	Bulgaria.....	2,781	2,854	2,846
Mexico.....	18,092	18,563	16,685	Czechoslovakia.....	5,499	5,558	5,544
United States.....	68,261	68,459	69,558	Germany, Dem. Rep.....	5,596	5,634	5,660
Total.....	92,208	92,920	91,949	Hungary.....	4,153	4,100	4,120
South America:				Poland.....	8,631	8,303	7,896
Argentina.....	3,150	3,200	3,300	Romania.....	7,866	7,900	8,000
Brazil.....	11,800	13,000	15,400	Yugoslavia.....	4,692	4,771	4,800
Venezuela.....	2,736	2,691	2,585	Total.....	39,223	39,120	38,866
Total.....	17,686	18,891	21,285	Middle East:			
Europe:				Iraq.....	1,229	1,636	1,350
Belgium and Luxembourg.....	3,005	2,935	2,908	Israel.....	2,103	1,760	1,674
Denmark.....	1,370	1,398	1,316	Saudi Arabia.....	2,400	2,490	2,071
France.....	14,910	14,970	14,540	Turkey.....	5,700	5,900	6,100
Germany, Fed. Rep. of.....	13,150	12,765	12,315	Total.....	11,432	11,786	11,195
Greece.....	2,512	2,496	2,480	Africa:			
Ireland.....	650	640	640	Algeria.....	1,675	2,200	2,875
Italy.....	10,900	10,300	10,743	Egypt.....	2,400	2,200	2,100
Netherlands.....	10,051	10,930	10,930	South Africa.....	3,231	3,235	3,369
Portugal.....	1,399	1,428	1,587	Total.....	7,306	7,635	8,344
Spain.....	10,164	10,877	10,500	Asia:			
United Kingdom.....	13,117	13,150	13,300	Hong Kong.....	30	41	44
Total.....	82,228	81,889	81,259	Japan.....	35,700	37,080	39,567
Other West Europe:				Korea, Rep. of.....	5,250	6,011	6,574
Austria.....	1,798	1,832	1,818	Taiwan.....	4,018	4,070	4,120
Finland.....	1,495	1,426	1,370	Total.....	44,998	47,202	50,305
Switzerland.....	760	753	690	Soviet Union.....	77,225	79,892	81,917
Total.....	4,053	4,011	3,878	Oceania:			
				Australia <sup>2</sup> .....	3,285	3,215	3,210
				Total selected countries..	379,674	386,561	392,208

<sup>1</sup> Preliminary.<sup>2</sup> Year ending June 30.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 526.—Eggs: Production, disposition, cash receipts, and gross income, United States, 1973-87

Year	Hens and pullets, average number during year	Rate of lay per layer during year <sup>1</sup>	Eggs			Price per dozen	Cash receipts (sales)	Value of eggs consumed on production units	Value of production <sup>2</sup>
			Total produced	Consumed on production units	Sold				
	<i>Thou- sands</i>	<i>Number</i>	<i>Millions</i>	<i>Millions</i>	<i>Millions</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973 <sup>3</sup>	290,588	227	66,039	627	65,412	52.5	2,859,253	26,517	2,885,770
1974.....	284,732	230	65,620	580	65,040	53.2	2,884,478	25,044	2,909,522
1975.....	278,101	232	64,626	536	64,090	52.4	2,796,785	22,490	2,819,275
1976.....	274,135	235	64,511	514	63,997	58.3	3,109,304	24,060	3,133,364
1977.....	274,875	235	64,602	495	64,117	55.6	2,973,176	21,781	2,994,957
1978.....	281,544	239	67,157	468	66,689	52.2	2,901,020	19,768	2,920,788
1979 <sup>4</sup>	288,623	240	59,209	454	68,755	58.3	3,338,438	21,434	3,359,872
1980.....	287,705	242	69,686	451	69,235	56.3	3,247,120	20,443	3,267,563
1981.....	287,774	243	69,825	441	69,384	63.1	3,648,406	22,737	3,671,143
1982.....	286,369	243	69,718	427	69,291	59.5	3,437,901	20,972	3,458,873
1983.....	276,263	247	68,169	415	67,754	61.1	3,448,613	20,755	3,469,368
1984.....	278,022	245	68,230	390	67,840	72.3	4,087,773	23,147	4,110,920
1985.....	276,680	247	68,407			57.1			3,252,519
1986.....	276,255	248	68,398			61.6			3,510,273
1987 <sup>5</sup>	280,475	248	69,492			54.9			3,177,043

See footnotes on page 367.



Table 527.—Eggs: Production and value, by States, 1987 (preliminary) <sup>1</sup>

State	Eggs produced	Price per dozen	Value of production	State	Eggs produced	Price per dozen	Value of production
	<i>Mil- lions</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Mil- lions</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	2,605	71.8	155,866	NE.....	869	45.0	32,587
AK.....	6.6	133.0	731	NV.....	2.2	40.2	74
AZ.....	98	41.0	3,348	NH.....	76	83.0	5,257
AR.....	3,874	71.5	230,826	NJ.....	475	63.0	24,937
CA.....	8,023	46.0	307,548	NM.....	302	55.0	13,842
CO.....	641	58.0	30,982	NY.....	1,115	49.5	45,994
CT.....	1,200	85.0	85,000	NC.....	3,251	69.2	187,474
DE.....	144	101.0	12,120	ND.....	58	40.0	1,933
FL.....	2,564	44.0	94,013	OH.....	4,351	40.0	145,033
GA.....	4,476	68.4	255,132	OK.....	805	91.0	61,046
HI.....	223.3	76.8	14,291	OR.....	638	47.0	24,988
ID.....	238	45.0	8,925	PA.....	4,853	43.0	173,899
IL.....	709	52.1	30,782	RI.....	55	79.0	3,621
IN.....	5,750	50.0	239,583	SC.....	1,604	52.0	69,507
IA.....	1,534	39.1	49,983	SD.....	358	32.0	9,547
KS.....	486	36.0	14,580	TN.....	670	46.0	25,683
KY.....	466	50.3	19,533	TX.....	3,424	67.2	191,744
LA.....	323	88.1	23,714	UT.....	496	45.0	18,600
ME.....	1,328	79.0	87,427	VT.....	60	94.0	4,700
MD.....	926	58.0	44,757	VA.....	942	66.0	51,810
MA.....	273	90.0	20,475	WA.....	1,303	44.4	48,211
MI.....	1,656	39.6	54,648	WV.....	108	80.2	7,218
MN.....	2,263	43.0	81,091	WI.....	877	43.0	31,426
MS.....	1,259	70.0	73,442	WY.....	4.3	69.0	247
MO.....	1,525	39.6	50,325	US <sup>2</sup> .....	69,492	54.9	3,177,043
MT.....	205	50.0	8,542				

<sup>1</sup> Estimates cover the 12-month period Dec. 1, previous year through Nov. 30.<sup>2</sup> Sum of States may not add to U.S. total due to rounding.

National Agricultural Statistics Service.

## FOOTNOTES FOR TABLE 526

<sup>1</sup> Number of eggs produced during the year divided by the average of hens and pullets of laying age on hand during the year.<sup>2</sup> Value of sales plus value of eggs consumed in households of producers.<sup>3</sup> Annual production, disposition, cash receipts, and gross income estimates for eggs reported on Dec. 1 through Nov. 30 marketing year.<sup>4</sup> Included are layers and eggs destroyed because of possible PCB contamination.<sup>5</sup> Preliminary.

National Agricultural Statistics Service.

**Table 528.—Eggs: Supply, distribution, and per capita consumption, United States, 1973-87 <sup>1</sup>**

Year	Total egg production	Storage at beginning of the year <sup>1</sup>	Imports <sup>2</sup>	Exports and shipments to territories <sup>2</sup>	Eggs used for hatching	Consumption		
						Storage at end of the year <sup>2</sup>	Total	Per capita
	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Million dozen</i>	<i>Number</i>
1973.....	5,502	53	13	49	392	34	5,093	288
1974.....	5,461	34	13	57	366	42	5,042	283
1975.....	5,382	42	5	62	372	28	4,967	276
1976.....	5,377	28	3	65	419	21	4,903	270
1977.....	5,408	21	14	91	427	24	4,901	267
1978.....	5,608	24	11	120	466	20	5,037	272
1979.....	5,777	20	9	104	498	19	5,186	277
1980.....	5,806	19	5	167	499	19	5,146	271
1981.....	5,825	19	5	257	507	17	5,068	264
1982.....	5,802	17	2	185	506	20	5,111	264
1983.....	5,659	20	23	112	500	9	5,081	260
1984.....	5,708	9	32	86	530	11	5,123	259
1985.....	5,688	11	13	101	548	11	5,052	253
1986.....	5,704	11	14	130	567	10	5,023	250
1987 <sup>3</sup> .....	5,797	10	6	136	596	14	5,066	249

<sup>1</sup> Calendar years.<sup>2</sup> Shell eggs and the approximate shell-egg equivalent of egg product.<sup>3</sup> Preliminary.

Economic Research Service.

**Table 529.—Eggs, shell: Average price per dozen on consumer Grade A cartoned white eggs to volume buyers, store-door delivery, New York metropolitan area, 1973-87**

Year	Large	Year	Large	Year	Large
	<i>Cents</i>		<i>Cents</i>		<i>Cents</i>
1973.....	65.63	1978.....	61.68	1983.....	75.16
1974.....	64.49	1979.....	68.15	1984.....	80.87
1975.....	63.93	1980.....	66.86	1985.....	64.97
1976.....	70.33	1981.....	73.21	1986.....	71.38
1977.....	63.27	1982.....	70.10	1987.....	61.60

Agricultural Marketing Service.

**Table 530.—Eggs: Products under Federal inspection, United States, fiscal years 1986 and 1987**

Item	Quantity		Item	Quantity	
	1986	1987		1986	1987
	<i>1,000 dozen</i>	<i>1,000 dozen</i>		<i>1,000 pounds</i>	<i>1,000 pounds</i>
Shell eggs broken.....	838,909	922,709	Liquid product produced for immediate consumption and processing: <sup>3</sup>		
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	Whole plain.....	236,108	253,988
Edible liquid from shell eggs broken:			Whole blends.....	100,063	105,861
Whole.....	528,306	549,590	White.....	198,785	245,732
White.....	327,691	382,556	Yolk plain.....	29,219	52,255
Yolk.....	182,698	216,751	Yolk blends.....	68,710	78,749
Total.....	1,038,695	1,148,897	Total.....	632,885	736,585
Inedible liquid from shell eggs broken.....	75,954	81,754	Frozen product produced: <sup>3</sup>		
			Whole plain.....	135,742	137,737
Liquid egg used in processing: <sup>1</sup>			Whole blends.....	79,805	84,401
Whole.....	641,507	696,137	White.....	53,083	51,942
White.....	465,603	552,625	Yolk plain.....	5,231	5,892
Yolk.....	209,658	260,088	Yolk blends.....	62,929	69,653
Total.....	1,316,768	1,508,850	Total.....	336,790	349,625
Ingredients added in processing <sup>2</sup> ..	41,208	44,369	Dried product produced: <sup>3</sup>		
			Whole plain.....	16,071	17,790
			Whole blends.....	21,993	28,443
			White.....	29,586	30,300
			Yolk plain.....	14,284	16,135
			Yolk blends.....	7,152	8,400
			Total.....	89,086	101,068

<sup>1</sup> Includes all frozen eggs used for processing, excludes ingredients added.

<sup>2</sup> Includes all non-egg ingredients added.

<sup>3</sup> Includes ingredients added.

National Agricultural Statistics Service.

## CHAPTER IX

# FARM RESOURCES, INCOME, AND EXPENSES

The statistics in this chapter deal with farms, farm resources, farm income, and expenses. Many of the series are estimates developed in connection with economic research activities of the Department.

For convenience the tables have been arranged in general groups. These groups, with the beginning table indicated, are as follows:

- Economic trends, table 531.
- Farm property, table 532.
- Population and employment, table 550.
- Farm production and distribution, table 556.
- Price and income, table 572.
- Costs and expenses, table 584.

**Table 531.—Economic trends: Data relating to agriculture, United States, 1973-87**

Year	Prices paid by farmers		Prices received by farmers	Farm income			
	Total including interest, taxes, and wage rates	Production items		Gross farm income <sup>1</sup>	Production expenses	Net income	
						Current dollars	1982 dollars
	<i>Index numbers 1977=100</i>	<i>Index numbers 1977=100</i>	<i>Index numbers 1977=100</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1973.....	71	73	98	98.9	64.6	34.4	69.4
1974.....	81	83	105	98.2	71.0	27.3	50.5
1975.....	89	91	101	100.6	75.0	25.5	43.1
1976.....	95	97	102	102.9	82.7	20.2	32.0
1977.....	100	100	100	108.8	88.9	19.9	29.5
1978.....	108	108	115	128.4	103.2	25.2	34.9
1979.....	123	125	132	150.7	123.3	27.4	34.9
1980.....	138	138	134	149.3	133.1	16.1	18.8
1981.....	150	148	139	166.3	139.4	26.9	28.6
1982.....	159	153	133	163.5	140.0	23.5	23.5
1983.....	161	152	135	153.1	140.4	12.7	12.2
1984.....	165	155	142	174.7	142.7	32.2	29.9
1985.....	163	151	128	166.0	133.7	32.3	29.1
1986.....	159	144	123	159.5	122.1	37.5	32.9
1987.....	162	147	127	168.5	123.0	46.3	39.3

See footnotes at end of table.

**Table 531.—Economic trends: Data relating to agriculture, United States 1973-87—**  
Continued

Year	Farm real estate value <sup>2</sup>	National income <sup>3</sup>	Disposable personal income <sup>3</sup>	Industrial production <sup>4</sup>	Consumer prices all items <sup>5</sup>	Producer prices consumer foods <sup>5</sup>
	<i>Index numbers 1977=100</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Index numbers 1977=100</i>	<i>Index numbers 1982-84=100</i>	<i>Index numbers 1982=100</i>
1973	53	1,122.7	949.8	94.4	( <sup>6</sup> )	( <sup>6</sup> )
1974	66	1,203.5	1,038.4	93.0	( <sup>6</sup> )	( <sup>6</sup> )
1975	75	1,289.1	1,142.8	84.8	( <sup>6</sup> )	( <sup>6</sup> )
1976	86	1,441.4	1,252.6	92.6	( <sup>6</sup> )	( <sup>6</sup> )
1977	100	1,617.8	1,329.3	100.0	( <sup>6</sup> )	( <sup>6</sup> )
1978	109	1,838.2	1,551.2	106.5	( <sup>6</sup> )	( <sup>6</sup> )
1979	125	2,047.3	1,729.3	110.7	( <sup>6</sup> )	( <sup>6</sup> )
1980	145	2,203.5	1,917.9	108.6	82.4	92.4
1981	158	2,443.5	2,127.6	111.0	90.9	97.8
1982	157	2,518.4	2,261.4	103.1	96.5	100.0
1983	148	2,719.5	2,428.1	109.2	99.6	101.0
1984	146	3,028.6	2,668.6	121.4	103.9	105.4
1985	128	3,234.0	2,838.7	123.7	107.6	104.6
1986	112	3,437.1	3,019.6	125.1	109.6	107.3
1987 <sup>7</sup>	103	3,678.7	3,209.7	129.8	113.6	109.5

<sup>1</sup> Includes cash receipts from marketings, government payments, nonmoney income (gross rental value and home consumption), other income (machine hire custom work and recreational income), and value of change in farm inventories. <sup>2</sup> Farmland and buildings per acre as of Mar. 1 through 1975; Feb. 1, 1976-81; Apr. 1, 1982-85; and Feb. 1, 1986-87. <sup>3</sup> U.S. Department of Commerce. <sup>4</sup> Federal Reserve Board. <sup>5</sup> U.S. Department of Labor. <sup>6</sup> Data prior to 1980 available from U.S. Department of Labor. <sup>7</sup> Preliminary.

Economic Research and National Agricultural Statistics Service.

**Table 532.—Farms: Number, land in farms, and average size of farm, U.S., 1975-88**

Year	Farms <sup>1</sup>	Land in farms	Average size of farm
	<i>Number</i>	<i>1,000 acres</i>	<i>Acres</i>
1975	2,521,420	1,059,420	420
1976	2,497,270	1,054,075	422
1977	2,455,830	1,047,785	427
1978	2,436,250	1,044,790	429
1979	2,432,300	1,042,015	428
1980	2,432,510	1,038,885	427
1981	2,433,920	1,034,190	425
1982	2,400,550	1,027,795	428
1983	2,370,200	1,024,195	432
1984	2,328,400	1,019,378	438
1985	2,274,730	1,014,383	446
1986	2,211,920	1,007,643	456
1987	2,176,110	1,002,603	461
1988 <sup>2</sup>	2,158,800	998,692	463

<sup>1</sup> A farm is an establishment that as of June 1 sold or would normally have sold \$1,000 or more of agricultural products during the year.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

**Table 533.—Percent of farms, land in farms, and average size, by economic class, United States, June 1, 1987-88**

Economic class gross value of sales	Percent of total				Average size of farms	
	Farms		Land		1987	1988
	1987	1988	1987	1988		
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Acres</i>	<i>Acres</i>
\$1,000-\$2,499	27.1	24.5	4.6	3.5	78	66
\$2,500-\$4,999	14.8	14.7	4.0	3.3	125	104
\$5,000-\$9,999	12.8	12.1	5.4	4.9	194	187
\$10,000-\$19,999	9.8	10.4	6.7	6.5	315	289
\$20,000-\$39,999	9.5	10.5	11.0	11.3	533	498
\$40,000-\$99,999	12.8	13.3	23.0	19.1	828	664
\$100,000-\$249,999	9.3	10.2	25.8	27.1	1,278	1,229
\$250,000	3.9	4.3	19.5	24.3	2,304	2,614
Total	100.0	100.0	100.0	100.0	461	463

<sup>1</sup> Preliminary.

National Agricultural Statistics Service.

Table 534.—Farms: Number and land in farms, by States, 1987 and 1988

State	Farms <sup>1</sup>		Land in farms	
	1987	1988 <sup>2</sup>	1987	1988 <sup>2</sup>
	Number	Number	1,000 acres	1,000 acres
AL.....	49,000	49,000	11,000	11,000
AK.....	660	650	1,400	1,380
AZ.....	8,400	8,100	37,000	36,500
AR.....	49,000	47,000	15,400	15,000
CA.....	78,000	78,000	32,600	32,500
CO.....	27,000	27,300	34,000	33,700
CT.....	3,700	3,700	440	440
DE.....	3,100	3,000	620	590
FL.....	39,000	40,000	13,000	13,000
GA.....	48,000	49,000	13,000	13,000
HI.....	4,300	4,400	1,950	1,950
ID.....	23,000	22,500	13,800	13,700
IL.....	84,000	83,000	28,600	28,600
IN.....	72,000	72,000	16,200	16,400
IA.....	107,000	107,000	33,500	33,500
KS.....	70,000	69,000	47,900	47,900
KY.....	99,000	99,000	14,500	14,500
LA.....	36,000	35,000	9,700	9,500
ME.....	7,800	7,800	1,520	1,500
MD.....	16,500	16,000	2,450	2,350
MA.....	6,000	6,100	680	680
MI.....	58,000	58,000	11,300	11,200
MN.....	92,000	94,000	30,000	30,000
MS.....	45,000	43,000	13,800	13,500
MO.....	114,000	113,000	30,600	30,400
MT.....	23,300	23,300	60,800	60,700
NE.....	56,000	55,000	47,200	47,100
NV.....	2,400	2,400	8,800	8,800
NH.....	3,200	3,300	520	520
NJ.....	7,600	7,400	850	830
NM.....	13,500	13,500	44,600	45,000
NY.....	40,500	40,000	8,600	8,500
NC.....	72,000	70,000	10,800	10,500
ND.....	32,500	32,500	40,500	40,400
OH.....	84,000	84,000	15,600	15,600
OK.....	70,000	69,000	33,000	33,000
OR.....	37,000	36,500	17,900	17,800
PA.....	56,500	56,000	8,500	8,400
RI.....	750	750	73	72
SC.....	26,000	26,500	5,200	5,300
SD.....	35,000	34,500	44,300	44,100
TN.....	96,000	94,000	12,600	12,800
TX.....	160,000	156,000	133,200	132,000
UT.....	13,600	13,300	11,300	11,300
VT.....	7,100	7,100	1,600	1,580
VA.....	50,000	49,000	9,600	9,600
WA.....	38,000	38,000	16,000	16,000
WV.....	21,000	20,500	3,700	3,600
WI.....	81,000	82,000	17,600	17,600
WY.....	8,700	8,700	34,800	34,800
US.....	2,176,110	2,158,800	1,002,603	998,692

<sup>1</sup> A farm is an establishment that as of June 1 sold or would normally have sold \$1,000 or more of agricultural products during the year.

<sup>2</sup> Preliminary.

National Agricultural Statistics Service.

#### FOOTNOTES FOR TABLE 537

<sup>1</sup> Cropland harvested, crop failure, and cultivated summer fallow.

<sup>2</sup> Grassland and other nonforest pasture and range.

<sup>3</sup> Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land.

<sup>4</sup> Includes urban and transportation areas. Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads and farm roads and lanes.

<sup>5</sup> Remeasurement and increases in reservoirs account for changes in total land areas except for the major increase in 1959 when data for Alaska and Hawaii were added.

<sup>6</sup> The 1987 Census of Agriculture are not yet available to make these estimates.

Economic Research Service. Estimates based on reports and records of the U.S. Departments of Agriculture and Commerce, and public land administering and conservation agencies.

**Table 535.—Farms: Classification by tenure of operator, United States, 1880–1982**

Year	Farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1880	4,008,907				25.6
1890	4,564,641				28.4
1900	5,739,657	55.8	7.9	1.0	35.3
1910	6,361,502	52.7	9.3	.9	37.0
1920	6,453,991	52.2	8.7	1.1	38.1
1925	6,371,640	52.0	8.7	.6	38.6
1930 <sup>1</sup>	6,295,103	46.3	10.4	.9	42.4
1935	6,812,350	47.1	10.1	.7	42.1
1940 <sup>1</sup>	6,102,417	50.6	10.1	.6	38.8
1945	5,859,169	56.4	11.3	.7	31.7
1950 <sup>1</sup>	5,388,437	57.4	15.3	.4	26.9
1954	4,782,416	57.2	17.9	.4	24.4
1959 <sup>1</sup>	3,710,503	57.1	21.9	.6	20.5
1964 <sup>1</sup>	3,157,857	57.6	24.8	.6	17.1
1969 <sup>1</sup>	2,730,250	62.5	24.6		12.9
1974 <sup>1</sup>	2,314,013	61.5	27.2		11.3
1978 <sup>1</sup>	2,257,775	57.5	30.2		12.3
1982 <sup>1</sup>	2,239,300	59.2	29.3		11.6

<sup>1</sup> Includes Alaska and Hawaii.

Economic Research Service. Data from the Census of Agriculture, U.S. Department of Commerce.

**Table 536.—Land in farms: Classification by tenure of operator, United States, 1880–1982**

Year	Land in farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	<i>Acres</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1880	536,081,835				
1890	623,218,619				
1900	841,201,546	51.3	14.9	10.7	23.2
1910	878,798,325	52.9	15.2	6.1	25.8
1920	958,676,612	48.3	18.4	5.7	27.7
1925	924,319,352	45.4	21.3	4.7	28.7
1930 <sup>1</sup>	990,111,984	37.6	24.9	6.4	31.0
1935	1,054,515,111	37.1	25.2	5.8	31.9
1940 <sup>1</sup>	1,065,113,774	35.9	28.2	6.5	29.4
1945	1,141,615,364	36.1	32.5	9.3	22.0
1950 <sup>1</sup>	1,161,419,720	36.1	36.4	9.2	18.3
1954	1,158,191,511	34.2	40.6	8.6	16.6
1959 <sup>1</sup>	1,123,507,574	31.0	44.0	9.8	14.8
1964 <sup>1</sup>	1,110,187,000	28.7	48.0	10.2	13.1
1969 <sup>1</sup>	1,062,892,501	35.3	51.8		13.0
1974 <sup>1</sup>	1,017,030,357	35.3	52.6		12.0
1978 <sup>1</sup>	1,014,777,234	32.7	55.3		12.0
1982 <sup>1</sup>	986,796,579	34.7	53.8		11.5

<sup>1</sup> Includes Alaska and Hawaii.

Economic Research Service. Data from the Census of Agriculture, U.S. Department of Commerce.

**Table 537.—Land utilization, United States, selected years, 1930–87**

Major land uses	1930	1940	1950	1959	1969	1978	1982	1987
	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>
Cropland used for crops <sup>1</sup>	382	368	377	359	333	369	383	331
Idle cropland	31	31	32	33	51	26	21	( <sup>6</sup> )
Cropland used only for pasture	67	68	69	66	88	76	65	( <sup>6</sup> )
Grassland pasture <sup>2</sup>	652	650	631	633	604	587	597	( <sup>6</sup> )
Forest land <sup>3</sup>	601	608	601	728	723	703	655	( <sup>6</sup> )
Special uses <sup>4</sup>				147	174	503	544	( <sup>6</sup> )
Other land	171	179	194	305	291			
Total land area <sup>5</sup>	1,904	1,904	1,904	2,271	2,264	2,264	2,265	2,265

See footnotes on page 372.

Table 538.—Land utilization, by States, 1982

State	Cropland			Grassland pasture <sup>2</sup>	Forest land <sup>3</sup>	Special use areas <sup>4</sup>	Other land	Total land area
	Used for crops <sup>1</sup>	Idle	Used only for pasture					
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
AL.....	3,806	362	1,474	1,865	21,179	1,449	2,356	32,491
AK.....	26	21	6	1,281	87,045	141,534	135,420	365,333
AZ.....	1,174	230	129	41,565	17,846	9,063	2,638	72,645
AR.....	7,975	476	2,055	2,948	17,324	1,298	1,254	33,330
CA.....	9,579	642	1,345	22,580	37,043	13,827	15,015	100,031
CO.....	9,377	493	1,000	28,198	19,809	4,643	2,781	66,301
CT.....	181	11	43	48	1,745	157	933	3,118
DE.....	538	9	12	12	394	92	180	1,237
DC.....							40	40
FL.....	2,752	345	1,072	6,229	16,325	4,021	3,914	34,658
GA.....	5,372	462	1,290	1,850	23,768	1,869	2,545	37,156
HI.....	156	155	34	1,131	1,067	926	643	4,112
ID.....	5,624	216	763	20,407	17,880	5,167	2,687	52,744
IL.....	23,615	560	1,070	1,773	3,551	1,947	3,097	35,613
IN.....	12,779	381	798	1,352	3,878	1,082	2,726	22,996
IA.....	25,208	826	2,500	2,065	1,227	1,699	2,293	35,818
KS.....	28,352	1,318	3,232	13,907	1,359	1,745	2,425	52,338
KY.....	5,354	711	3,453	1,669	11,948	970	1,283	25,388
LA.....	5,115	420	916	2,073	13,998	1,322	4,650	28,494
ME.....	475	67	87	94	17,565	408	1,141	19,837
MD.....	1,579	71	197	222	2,420	520	1,287	6,296
MA.....	214	16	52	48	2,811	525	1,342	5,008
MI.....	7,642	606	566	1,881	18,078	1,989	5,689	36,451
MN.....	21,772	1,205	1,206	1,689	15,643	4,253	5,143	50,911
MS.....	6,143	437	1,441	2,369	16,505	850	2,484	30,229
MO.....	14,024	827	5,587	6,540	12,348	1,737	3,062	44,125
MT.....	15,247	469	1,123	48,395	18,936	5,966	2,912	93,048
NE.....	20,816	966	2,397	21,232	796	1,533	1,312	49,052
NV.....	614	58	190	45,909	7,272	7,515	8,774	70,332
NH.....	127	8	31	46	4,839	226	479	5,756
NJ.....	628	33	64	26	1,940	578	1,510	4,779
NM.....	1,690	229	450	51,217	16,805	5,279	1,984	77,654
NY.....	4,649	360	891	904	15,939	3,827	3,751	30,321
NC.....	5,154	476	806	1,010	18,604	1,937	3,273	31,260
ND.....	26,900	1,021	1,575	11,028	515	1,817	1,496	44,352
OH.....	10,845	419	982	1,430	6,837	1,245	4,485	26,243
OK.....	10,935	650	3,860	18,396	6,810	1,410	1,878	43,939
OR.....	4,324	175	858	22,011	29,477	2,707	2,006	61,558
PA.....	4,619	309	862	949	16,294	2,469	3,226	28,728
RI.....	29	3	5	3	391	71	173	675
SC.....	2,713	201	484	443	12,084	1,164	2,241	19,330
SD.....	17,657	426	2,309	23,529	1,610	1,597	1,481	48,609
TN.....	5,052	453	2,608	1,370	12,965	2,195	1,696	26,339
TX.....	25,963	3,129	10,029	103,890	14,080	4,673	5,927	167,691
UT.....	1,409	116	470	23,238	15,443	4,901	6,950	52,527
VT.....	561	18	205	260	4,432	248	211	5,935
VA.....	2,978	252	1,523	1,717	15,872	1,327	1,741	25,410
WA.....	7,559	309	612	7,705	18,557	5,356	2,469	42,567
WV.....	786	87	676	557	11,509	665	1,156	15,436
WI.....	10,404	411	1,229	2,009	14,877	2,172	3,731	34,833
WY.....	2,264	53	461	45,594	5,640	5,768	2,293	62,073
US.....	382,755	21,498	65,028	596,664	655,280	269,739	274,183	2,265,147

<sup>1</sup> Cropland harvested, crop failure, and cultivated summer fallow.

<sup>2</sup> Grassland and other nonforest pasture and range.

<sup>3</sup> Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land.

<sup>4</sup> Includes rural transportation areas, Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads, and farm roads and lanes.

Economic Research Service. Estimates based on reports and records of the U.S. Departments of Agriculture and Commerce, and public land administering and conservation agencies. Estimates developed for years coinciding with a Census of Agriculture.



Table 539.—Land in farms: <sup>1</sup> Irrigated land, by States, 1954-84

State	1954	1959	1964	1969	1974	1978 <sup>2</sup>	1982	1984 <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
AL.....	17	17	12	11	14	59	66	(*)
AK.....			(*)		1	1	1	(*)
AZ.....	1,177	1,152	1,125	1,178	1,153	1,196	1,098	893
AR.....	858	712	974	1,010	949	1,683	2,022	1,872
CA.....	7,048	7,396	7,599	7,240	7,749	8,506	8,461	7,805
CO.....	2,263	2,685	2,690	2,895	2,874	3,431	3,201	3,105
CT.....	12	5	14	9	7	7	7	(*)
DE.....	6	16	18	20	20	34	44	(*)
FL.....	428	414	1,217	1,365	1,559	1,980	1,585	1,438
GA.....	24	34	64	79	112	463	575	(*)
HI.....	(3)	141	142	142	142	159	146	(*)
ID.....	2,325	2,577	2,802	2,761	2,859	3,475	3,450	3,255
IL.....	7	10	14	51	54	130	166	(*)
IN.....	12	17	17	34	33	75	132	(*)
IA.....	2	18	22	21	39	101	91	(*)
KS.....	332	762	1,004	1,522	2,010	2,686	2,675	2,315
KY.....	13	9	14	20	11	14	23	(*)
LA.....	708	485	581	702	702	681	694	579
ME.....	1	2	4	6	6	7	6	(*)
MD.....	8	11	16	22	23	28	39	(*)
MA.....	23	20	24	22	19	17	17	(*)
MI.....	23	40	49	77	97	226	286	(*)
MN.....	9	15	18	36	78	272	315	(*)
MS.....	132	100	123	150	162	309	431	(*)
MO.....	33	30	59	156	150	320	403	(*)
MT.....	1,891	1,875	1,893	1,841	1,759	2,070	2,023	1,877
NE.....	1,171	2,078	2,169	2,857	3,967	5,883	6,039	5,828
NV.....	567	543	825	753	778	881	830	699
NH.....	1	1	3	2	2	2	1	(*)
NJ.....	59	74	96	72	89	77	83	(*)
NM.....	650	732	813	823	867	891	807	674
NY.....	59	58	79	55	55	56	52	(*)
NC.....	25	66	97	59	51	90	81	(*)
ND.....	38	48	51	63	71	141	163	144
OH.....	15	12	17	22	22	25	28	(*)
OK.....	108	198	302	524	515	602	492	440
OR.....	1,490	1,384	1,608	1,519	1,561	1,881	1,808	1,776
PA.....	18	17	23	19	18	15	18	(*)
RI.....	1	(*)	1	2	2	3	2	(*)
SC.....	22	25	19	15	10	32	81	(*)
SD.....	90	116	130	148	152	335	376	339
TN.....	23	11	11	12	10	13	18	(*)
TX.....	4,707	5,656	6,395	6,888	6,594	6,947	5,576	4,921
UT.....	1,073	1,062	1,092	1,025	970	1,169	1,082	1,054
VT.....	2	2	2	2	2	1	1	(*)
VA.....	22	31	51	37	28	42	43	(*)
WA.....	778	1,007	1,150	1,224	1,309	1,639	1,638	1,482
WV.....	1	1	2	3	2	1	1	(*)
WI.....	18	32	62	106	128	235	259	(*)
WY.....	1,263	1,470	1,571	1,523	1,460	1,662	1,565	1,550
US.....	29,552	33,164	37,057	39,122	41,243	50,350	49,002	44,731
PR.....	(*)	76	89	91	70	(*)	(*)	(*)
VI.....	(3)	(3)	(3)	(3)	(3)	(4)	(4)	(4)
Total.....	29,552	33,240	37,145	39,213	41,313	50,350	49,002	44,731

<sup>1</sup> Data may not add because of rounding.

<sup>2</sup> Data for 1978 not directly comparable with earlier censuses as it includes estimates from the direct enumeration sample for farms not represented on the mail list. Data for 1984 taken from the 1984 Farm and Ranch Irrigation Survey. For 1984 the total for 28 Eastern States is 2,684,738 total irrigated acres.

<sup>3</sup> Less than 500 acres.

<sup>4</sup> Not available.

Economic Research Service. Data from the Census of Agriculture, U.S. Department of Commerce.

## FOOTNOTES FOR TABLE 541

<sup>1</sup> Land and buildings. Excludes Alaska and Hawaii. Data as of March 1, 1950-75, Feb. 1, 1976-81, and Apr. 1, 1982-85, Feb. 1, 1986-88.

Economic Research Service.

Table 540.—Farm real estate: Value of farmland and buildings, and value of farm buildings, by States, 1984-88 <sup>1</sup>

State	Total value of land and buildings					Total value of farm buildings				
	Apr. 1, 1984	Apr. 1, 1985	Feb. 1, 1986	Feb. 1, 1987	Feb. 1, 1988	Apr. 1, 1984	Apr. 1, 1985	Feb. 1, 1986	Feb. 1, 1987	Feb. 1, 1988
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
AL.....	9,309	8,844	8,374	8,039	8,042	1,788	1,682	1,577	1,499	1,484
AZ.....	11,054	9,938	8,576	8,957	7,915	860	765	654	676	592
AR.....	15,023	13,584	11,063	9,767	9,931	2,035	1,821	1,469	1,284	1,292
CA.....	63,294	56,785	51,529	44,557	43,701	6,688	5,940	5,336	4,568	4,436
CO.....	16,180	14,964	12,199	12,370	12,386	1,772	1,622	1,309	1,314	1,303
CT.....	1,351	1,540	1,675	1,785	2,162	410	463	498	526	630
DE.....	1,231	1,067	1,124	1,118	1,194	219	188	196	193	204
FL.....	20,898	19,851	18,660	19,033	20,750	1,867	1,756	1,634	1,650	1,781
GA.....	12,291	11,678	10,929	11,003	11,241	1,901	1,788	1,657	1,651	1,670
ID.....	11,966	10,861	9,147	7,822	8,166	1,552	1,394	1,163	984	1,017
IL.....	51,667	37,712	32,809	29,752	31,850	4,070	2,941	2,533	2,274	2,410
IN.....	26,140	20,648	17,344	15,077	15,918	3,415	2,670	2,221	1,911	1,998
IA.....	50,358	35,750	28,243	25,061	29,803	5,273	3,706	2,898	2,546	2,998
KS.....	27,983	22,368	18,527	16,304	17,637	2,715	2,148	1,762	1,535	1,644
KY.....	14,602	13,137	12,612	11,476	11,403	3,016	2,686	2,553	2,300	2,282
LA.....	13,645	12,686	10,048	7,115	6,865	1,534	1,411	1,107	776	741
ME.....	1,171	1,301	1,509	1,645	1,879	404	444	510	550	622
MD.....	5,899	5,452	4,718	4,394	4,834	1,167	1,068	915	844	919
MA.....	1,415	1,613	1,871	2,039	2,403	529	597	685	739	863
MI.....	13,942	11,993	10,580	9,416	9,639	3,027	2,578	2,251	1,983	2,010
MN.....	32,937	25,019	18,271	14,799	16,889	4,841	3,640	2,632	2,110	2,384
MS.....	13,330	11,774	10,521	9,023	9,080	1,882	1,646	1,456	1,236	1,232
MO.....	26,536	20,297	18,613	16,882	17,503	3,747	2,837	2,576	2,313	2,374
MT.....	16,141	13,542	12,438	10,183	9,948	1,318	1,095	995	807	780
NE.....	29,117	20,957	17,185	15,810	17,280	2,349	1,674	1,359	1,238	1,339
NV.....	2,235	2,015	1,753	1,858	1,698	264	236	203	213	193
NH.....	678	766	856	933	1,059	206	230	255	275	309
NJ.....	3,137	3,314	3,521	4,523	5,260	702	734	772	982	1,131
NM.....	8,315	7,335	5,961	5,425	5,870	799	698	561	506	542
NY.....	7,910	7,353	7,170	8,009	8,223	2,462	2,266	2,167	2,419	2,458
NC.....	15,177	13,414	12,206	11,840	11,471	3,105	2,717	2,448	2,351	2,255
ND.....	17,999	14,724	12,894	11,419	11,846	1,781	1,442	1,250	1,096	1,126
OH.....	22,813	17,791	16,012	14,702	15,461	3,528	2,724	2,427	2,206	2,297
OK.....	23,067	18,678	15,876	14,130	13,893	2,615	2,096	1,764	1,554	1,513
OR.....	12,563	10,422	9,328	8,581	8,334	2,160	1,774	1,572	1,432	1,377
PA.....	14,282	13,137	12,322	14,663	15,462	3,814	3,473	3,225	3,799	3,966
RI.....	214	243	282	308	455	49	55	63	68	100
SC.....	5,192	4,945	4,709	4,126	4,546	903	851	802	696	759
SD.....	15,021	11,125	9,568	7,941	8,333	1,602	1,174	1,000	822	853
TN.....	13,995	13,159	12,894	12,747	13,914	3,092	2,878	2,792	2,733	2,963
TX.....	81,117	88,346	72,515	64,153	62,113	7,013	7,561	6,144	5,382	5,158
UT.....	6,740	5,962	5,449	5,132	4,840	913	799	723	674	630
VT.....	1,517	1,627	1,888	2,057	2,151	463	492	565	610	631
VA.....	10,803	10,474	10,997	10,667	10,972	2,262	2,171	2,257	2,168	2,207
WA.....	15,472	14,860	12,996	11,422	11,038	2,482	2,360	2,043	1,778	1,701
WV.....	2,536	1,994	1,988	1,949	2,004	604	470	464	450	459
WI.....	18,832	14,992	12,522	10,957	11,024	5,223	4,120	3,407	2,951	2,940
WY.....	6,851	6,160	5,359	5,252	4,877	625	556	479	465	427
48 States.....	793,946	686,194	597,632	546,223	563,265	105,049	90,442	79,352	73,137	74,969

<sup>1</sup> Total value of land and buildings are derived by multiplying average value per acre of farm real estate by the land in farms.

Economic Research Service.

Table 541.—Farm real estate: Index numbers of average value per acre, United States, 1973-88 <sup>1</sup>

[1977=100]

Date	Index	Date	Index	Date	Index
1973.....	53	1979.....	125	1985.....	128
1974.....	66	1980.....	145	1986.....	112
1975.....	75	1981.....	158	1987.....	103
1976.....	86	1982.....	157	1988.....	106
1977.....	100	1983.....	148		
1978.....	109	1984.....	146		

See footnotes on page 375.

**Table 542.—Farm real estate: Index numbers of average value per acre, by States, 1970, 1985-88 <sup>1</sup>**

[1977=100]

State	1970	1985	1986	1987	1988	State	1970	1985	1986	1987	1988
	AL.....	44	154	152	146		146	NV.....	50	173	151
AZ.....	56	163	142	149	131	NH <sup>2</sup> .....	43	185	215	234	267
AR.....	54	152	126	114	116	NJ.....	38	141	157	213	247
CA.....	80	201	183	159	156	NM.....	53	162	133	121	131
CO.....	37	154	126	129	129	NY.....	39	128	131	148	152
CT <sup>2</sup> .....	46	185	215	234	283	NC.....	46	142	129	125	121
DE.....	35	128	137	138	148	ND.....	34	116	102	91	95
FL.....	48	147	138	141	154	OH.....	35	90	81	75	79
GA.....	43	116	110	113	115	OK.....	45	126	107	95	93
ID.....	41	129	111	98	102	OR.....	54	114	103	95	92
IL.....	30	84	73	67	72	PA.....	34	127	122	145	152
IN.....	32	96	81	71	75	RI <sup>2</sup> .....	47	185	215	234	346
IA.....	29	77	61	54	64	SC.....	40	121	117	107	118
KS.....	41	98	81	71	77	SD.....	39	101	87	72	76
KY.....	42	129	124	113	112	TN.....	45	127	128	131	143
LA.....	53	181	145	106	102	TX.....	52	229	190	169	164
ME <sup>2</sup> .....	45	185	215	234	287	UT.....	48	165	153	146	137
MD.....	44	158	142	138	152	VT <sup>2</sup> .....	45	185	215	234	246
MA <sup>2</sup> .....	46	185	215	234	276	VA.....	40	140	147	143	147
MI.....	44	121	108	96	98	WA.....	50	151	133	118	114
MN.....	32	109	81	66	75	WV.....	33	143	139	136	140
MS.....	57	163	147	128	129	WI.....	38	126	106	93	94
MO.....	44	102	94	85	88	WY.....	43	122	106	104	97
MT.....	39	125	115	94	92	48 States.....	42	128	112	103	106
NE.....	37	82	67	62	68						

<sup>1</sup> All farmlands with improvements as of Mar. 1, 1970 and Apr. 1, 1985, and Feb. 1, 1986-88.

<sup>2</sup> Based on an average for the six New England States for 1985-87.

Economic Research Service.

**Table 543.—Livestock: Number and value, United States, Jan. 1, 1986-88**

Class of livestock and poultry	Number			Value					
	1986	1987	1988 <sup>1</sup>	Per head <sup>2</sup>			Total		
				1986	1987	1988 <sup>1</sup>	1986	1987	1988 <sup>1</sup>
	<i>Thou-</i>	<i>Thou-</i>	<i>Thou-</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
	<i>sands</i>	<i>sands</i>	<i>sands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>
Cattle.....	105,468	102,000	98,994	391	407	523	41,279,479	41,482,765	51,807,580
Hogs <sup>3</sup> .....	52,313	50,920	54,365	69.60	91.90	76.20	3,640,368	4,679,398	4,096,647
Sheep and lambs.....	9,983	10,334	10,774	67.40	75.70	89.90	673,048	782,108	968,918
Goats <sup>4</sup> .....	1,700	1,670	1,650	40.10	46.40	60.10	68,212	77,571	99,165
Total <sup>5</sup> .....							45,661,107	47,021,842	56,972,310
Chickens <sup>3</sup> .....	368,548	369,131	377,516	1.90	1.87	1.87	700,150	690,818	706,079
Turkey breeder hens <sup>3 6</sup> .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
Total <sup>7</sup> .....							46,361,257	47,712,660	57,678,389

<sup>1</sup> Preliminary.

<sup>2</sup> Based on reporters' estimates of average price per head in their localities.

<sup>3</sup> Dec. 1 of preceding year.

<sup>4</sup> Texas only.

<sup>5</sup> Cattle, hogs, sheep, and goats.

<sup>6</sup> 24 Major States. Estimates discontinued in 1986.

<sup>7</sup> Includes all cattle, hogs, sheep, goats, and chickens (excluding broilers and turkey breeder hens in 1986 and 1987).

National Agricultural Statistics Service.

**Table 544.—Farm real estate: Average value per acre of land and buildings, by State, March 1, 1970, April 1, 1985, and February 1, 1986-88**

State	Mar. 1, 1970	Apr. 1, 1985	Feb. 1, 1986	Feb. 1, 1987	Feb. 1, 1988	State	Mar. 1, 1970	Apr. 1, 1985	Feb. 1, 1986	Feb. 1, 1987	Feb. 1, 1988
	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>		<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>
AL.....	200	769	761	731	731	NV.....	53	229	199	211	193
AZ.....	70	265	231	242	214	NH.....	239	1,419	1,646	1,794	2,037
AR.....	260	849	705	634	645	NJ.....	1,092	3,525	3,913	5,321	6,189
CA.....	479	1,726	1,571	1,366	1,341	NM.....	42	163	134	122	132
CO.....	95	435	357	364	364	NY.....	273	808	824	951	956
CT.....	921	3,208	3,721	4,056	4,914	NC.....	333	1,242	1,130	1,096	1,062
DE.....	499	1,642	1,757	1,775	1,895	ND.....	94	360	317	282	292
FL.....	355	1,527	1,435	1,464	1,596	OH.....	399	1,126	1,013	942	991
GA.....	234	865	822	846	865	OK.....	173	566	481	428	421
ID.....	177	749	644	567	592	OR.....	150	579	521	479	466
IL.....	490	1,314	1,143	1,040	1,114	PA.....	373	1,510	1,450	1,725	1,820
IN.....	406	1,259	1,058	931	983	RI.....	734	3,335	3,869	4,217	6,240
IA.....	392	1,064	841	748	890	SC.....	261	899	872	794	874
KY.....	159	466	387	340	308	SD.....	84	250	215	178	187
KS.....	253	906	870	791	786	TN.....	268	982	992	1,012	1,104
LA.....	321	1,256	1,005	734	708	TX.....	148	652	541	482	466
ME.....	161	856	993	1,082	1,236	UT.....	92	514	478	454	428
MD.....	640	2,097	1,887	1,831	2,014	VT.....	224	1,017	1,180	1,286	1,345
MA.....	565	2,372	2,752	2,999	3,534	VA.....	286	1,091	1,146	1,111	1,143
MI.....	326	1,052	936	833	853	WA.....	224	923	812	723	699
MN.....	226	823	609	493	563	WV.....	136	554	537	527	542
MS.....	234	835	752	654	658	WI.....	232	847	711	626	630
MO.....	224	659	606	552	572	WY.....	41	177	154	151	140
MT.....	60	222	204	167	164						
NE.....	154	444	364	335	366	48 States...	196	679	595	547	564

Economic Research Service.

**Table 545.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 1972-87**

Item	1972	1973	1974	1975 <sup>1</sup>	1976	1977	1978	1979
<b>ASSETS</b>								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate.....	243.0	297.8	335.1	383.2	456.5	509.1	601.9	706.2
Non-real-estate:								
Livestock <sup>2</sup> .....	34.1	42.4	24.5	29.4	29.0	31.9	51.3	61.4
Machinery and motor vehicles.....	34.4	39.5	48.3	57.2	63.1	69.6	75.5	85.8
Crops stored on and off farms <sup>3</sup> .....	13.0	21.4	23.0	21.1	22.2	20.6	25.3	29.2
Financial assets:								
Demand deposits.....	4.8	4.9	4.8	5.0	5.0	5.2	5.3	5.4
Currency.....	2.2	2.2	2.0	2.0	1.9	1.9	1.9	1.9
Investments in cooperatives.....	8.9	9.9	10.2	11.9	13.2	13.3	15.9	18.0
Total <sup>4</sup> .....	340.2	418.1	447.9	509.7	589.9	651.6	777.2	907.8
<b>CLAIMS</b>								
Liabilities:								
Real-estate debt.....	32.0	36.1	40.8	45.3	50.5	58.4	65.7	79.7
Non-real-estate debt to—								
Reporting institutions <sup>5</sup> .....	20.8	24.8	27.7	31.3	35.8	40.4	46.7	55.3
Nonreporting creditors <sup>6</sup> .....	5.9	6.7	7.4	8.4	9.8	12.0	14.0	16.3
Total liabilities <sup>4</sup> .....	58.7	67.6	75.9	85.0	97.1	110.8	126.4	151.3
Proprietors' equity.....	281.5	350.5	372.1	424.7	493.9	540.7	649.7	756.2
Total <sup>4</sup> .....	340.2	418.1	447.9	509.7	589.9	651.6	777.2	907.8
<b>ASSETS</b>								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate.....	782.9	784.7	748.8	739.6	639.6	558.6	510.1	522.6
Non-real-estate:								
Livestock <sup>2</sup> .....	60.6	53.5	53.0	49.7	49.6	46.3	47.6	57.6
Machinery and motor vehicles.....	93.1	101.4	102.0	100.8	96.9	87.6	80.3	73.9
Crops stored on and off farms <sup>3</sup> .....	33.0	29.1	27.9	23.9	29.6	23.5	19.1	20.5
Financial assets:								
Demand deposits.....	5.5	5.6	5.8	6.1	6.2	6.7	7.6	7.2
Currency.....	1.9	1.9	2.0	2.0	2.1	2.3	2.5	2.7
Investments in cooperatives.....	19.2	20.4	21.8	23.2	24.4	24.0	24.4	24.5
Total <sup>4</sup> .....	996.1	996.7	961.2	945.3	848.5	749.0	691.6	708.9
<b>CLAIMS</b>								
Liabilities:								
Real-estate debt.....	89.6	98.7	102.5	104.8	103.6	97.7	88.5	80.8
Non-real-estate debt to—								
Reporting institutions <sup>5</sup> .....	60.1	65.3	67.9	69.3	69.4	62.5	54.7	51.0
Nonreporting creditors <sup>6</sup> .....	17.4	18.4	19.1	18.6	17.6	15.1	12.1	10.9
Total liabilities <sup>4</sup> .....	167.1	182.4	189.5	192.7	190.6	175.3	155.3	142.7
Proprietors' equity.....	829.3	814.4	771.7	752.6	657.7	573.8	536.3	566.2
Total <sup>4</sup> .....	996.1	996.7	961.2	945.3	848.5	749.0	691.6	708.9

<sup>1</sup> Beginning with 1975, data are for farms included in new farm definition, that is assets and debts on places with sales less than \$1,000 annually are excluded.

<sup>2</sup> Horses and mules are excluded.

<sup>3</sup> Excludes all crops held on farms including crops under loan to Commodity Credit Corporation, and crops held off farms as security for CCC loans.

<sup>4</sup> Total of rounded data.

<sup>5</sup> Loans of all operating banks, the production credit associations, the Farmers Home Administration, and discounts of the Federal intermediate credit banks for agricultural credit corporations and livestock loan companies.

<sup>6</sup> Loans and credits extended by dealers, merchants, finance companies, individuals, and others.

<sup>7</sup> Preliminary.

**Table 546.—Farm assets and claims: Comparative balance sheet of the farming sector, including farm households, United States, Dec. 31, 1972-87**

Item	1972	1973	1974	1975 <sup>1</sup>	1976	1977	1978	1979
<b>ASSETS</b>								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate .....	268.6	328.6	368.7	420.6	499.6	556.4	656.1	768.0
Non-real-estate:								
Livestock <sup>2</sup> .....	34.1	42.4	24.5	29.4	29.0	31.9	51.3	61.4
Machinery and motor vehicles .....	39.3	44.2	53.6	63.1	70.1	76.4	83.3	93.2
Crops stored on and off farms <sup>3</sup> .....	13.0	21.4	23.0	21.1	21.2	20.6	25.3	29.2
Household furnishings and equipment .....	11.9	12.3	11.2	11.7	12.1	13.8	16.0	17.2
Financial assets:								
Deposits and currency .....	14.0	14.9	14.0	14.5	14.8	15.2	15.5	15.9
United States savings bonds .....	4.0	4.2	3.8	3.9	3.8	3.9	4.2	4.0
Investments in cooperatives .....	8.9	9.9	10.2	11.9	13.2	13.3	15.9	18.0
Total <sup>4</sup> .....	393.7	477.7	509.0	576.1	664.0	731.4	867.7	1,006.9
<b>CLAIMS</b>								
Liabilities:								
Real estate debt <sup>5</sup> .....	35.6	40.1	45.1	49.9	55.4	63.9	72.8	86.8
Non-real estate debt to—								
Reporting institutions <sup>6</sup> .....	22.0	26.2	29.2	33.1	37.8	42.7	49.5	58.8
Nonreporting creditors <sup>7</sup> .....	6.0	6.9	7.5	8.6	10.0	12.2	14.3	16.6
Total liabilities <sup>4</sup> .....	63.6	73.2	81.8	91.6	103.2	118.8	136.6	162.2
Proprietors' equity .....	330.4	404.9	427.3	484.6	560.8	612.5	731.2	844.4
Total <sup>4</sup> .....	393.7	477.7	509.0	576.1	664.0	731.4	867.7	1,015.3
<b>ASSETS</b>								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate .....	850.8	851.7	812.2	801.8	693.7	606.4	554.0	567.2
Non-real-estate:								
Livestock <sup>2</sup> .....	60.6	53.5	53.0	49.7	49.6	46.3	47.6	57.6
Machinery and motor vehicles .....	99.3	107.8	107.9	106.2	102.7	92.4	84.4	78.6
Crops stored on and off farms <sup>3</sup> .....	33.0	29.1	27.9	23.9	29.6	23.5	19.1	20.5
Household furnishings and equipment .....	19.4	20.8	23.0	24.4	26.1	27.8	30.5	33.3
Financial assets:								
Deposits and currency .....	16.2	16.7	17.4	18.2	19.8	21.1	24.8	26.4
United States savings bonds .....	3.8	3.6	3.5	3.6	3.7	3.9	4.5	5.0
Investments in cooperatives .....	19.2	20.4	21.8	23.2	24.4	24.0	24.3	24.5
Total <sup>4</sup> .....	1,102.3	1,103.7	1,066.6	1,051.0	949.7	845.4	789.4	813.1
<b>CLAIMS</b>								
Liabilities:								
Real estate debt <sup>5</sup> .....	97.5	107.2	111.3	113.7	112.4	105.9	95.8	87.4
Non-real estate debt to—								
Reporting institutions <sup>6</sup> .....	63.9	69.5	72.3	73.9	74.2	67.2	59.2	54.8
Nonreporting creditors <sup>7</sup> .....	17.7	18.8	19.5	18.9	18.0	15.4	12.4	11.1
Total liabilities <sup>4</sup> .....	179.1	195.5	203.1	206.5	204.6	188.5	167.4	153.3
Proprietors' equity .....	923.6	908.2	863.5	844.6	745.2	657.3	622.6	659.8
Total <sup>4</sup> .....	1,102.3	1,103.7	1,066.6	1,051.0	949.7	845.4	789.4	813.1

<sup>1</sup> Beginning with 1975, data are for farms included in new farm definition, that is, assets and debts on places with sales less than \$1,000 annually are excluded.

<sup>2</sup> Horses and mules are excluded.

<sup>3</sup> Does not include crops under loan to Commodity Credit Corporation.

<sup>4</sup> Total of rounded data.

<sup>5</sup> Includes Commodity Credit Corporation storage and drying facility loans.

<sup>6</sup> Loans of all operating banks, the production credit associations, the Farmers Home Administration, and discounts of the Federal intermediate credit banks for agricultural credit corporations and livestock loan companies.

<sup>7</sup> Loans and credits extended by dealers, merchants, finance companies, individuals, and others.

<sup>8</sup> Preliminary.

Economic Research Service.

**Table 547.—Farm machinery and equipment: Number of specified kinds on farms, and tractor horsepower, United States, Jan. 1, 1973-87**

Year	Tractors (exclusive of steam and garden)			Tractor horsepower	Motor-trucks	Grain combines <sup>1</sup>	Corn heads <sup>2</sup>	Pickup balers <sup>3</sup>	Field forage harvesters <sup>4</sup>
	Total	Wheel	Crawler						
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Millions</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1973 .....	4,518	4,345	173	212	3,013	701	621	684	292
1974 .....	4,493	4,329	164	219	3,023	698	618	674	295
1975 .....	4,469	4,311	158	222	3,032	524	615	667	255
1976 .....	4,434	4,281	153	228	3,043	527	610	641	263
1977 .....	4,402	4,260	142	232	3,044	535	605	615	270
1978 <sup>5</sup> .....	4,804	4,653	151	251	3,386	656	695	747	296
1979 .....	4,776	4,626	150	301	3,358	655	706	744	295
1980 .....	4,752	4,604	148	304	3,344	652	701	756	293
1981 .....	4,726	4,580	146	306	3,350	650	696	770	291
1982 .....	4,697	4,552	145	306	3,389	647	690	785	288
1983 .....	4,669	4,524	145	309	3,435	644	684	800	285
1984 .....	4,671	4,527	144	311	3,402	644	684	800	285
1985 .....	4,676	4,533	143	311	3,380	643	684	800	285
1986 .....	4,670	4,528	142	311	3,380	640	683	798	281
1987 <sup>6</sup> .....									

<sup>1</sup> Data for 1975 and thereafter are for self-propelled combines only.

<sup>2</sup> Includes cornpickers and picker-shellers.

<sup>3</sup> Does not include large balers that produce over 200-pound bales.

<sup>4</sup> Data for 1976 and thereafter do not include flail-type forage harvesters.

<sup>5</sup> U.S. totals for 1978 are not directly comparable with totals for 1974 or earlier census years, because they include State-level data from farm operators represented on the Census mailing list, plus estimates from the direct enumeration sample for farms not on the mailing list. As a result, figures for nearly all categories are somewhat higher than they would be using the earlier base. The 1974 U.S. data include only operations represented on the mailing list. Estimates are pegged to Census year data for all noncensus years before 1978.

<sup>6</sup> Data on number of specified kinds of farm machinery and equipment on farms will henceforth only be reported following the Census of Agriculture.

Economic Research Service.

#### FOOTNOTES FOR TABLE 550

<sup>1</sup> Total population includes Armed Forces overseas. April figures for 1973-83; July figures for later years.

<sup>2</sup> April-centered five-quarter averages for 1973-83; annual averages of monthly data for later years.

<sup>3</sup> Farm population is defined as all persons living on rural places of 10 or more acres with at least \$50 worth of agricultural products sold in reporting year, and rural places of under 10 acres if at least \$250 worth of agricultural products were sold. Last year of data was 1983.

<sup>4</sup> Beginning 1978, the farm population is defined as all persons living on rural places with \$1,000 or more of agricultural sales in the reporting year.

Economic Research Service and the U.S. Department of Commerce.

Table 548.—Farm machines, selected types: Units shipped in the United States, 1973–86

Year	Moldboard plows	Subsoilers, deep tillage	Chisel plows or tillers (chisel or sweep type)	Field cultivators	Cultivators <sup>1</sup>	Power sprayers and dusters	Crop driers (heated air)
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1973.....	59,636		23,817	19,387	36,133	63,359	23,364
1974.....	60,543		29,466	25,615	41,450	81,039	34,781
1975.....	56,659		35,898	30,178	48,404	61,835	30,808
1976.....	52,711		38,199	31,942	40,299	55,593	29,904
1977.....	46,325		30,278	26,462	33,999	54,957	41,427
1978.....	32,111		23,169	18,712	38,355	62,269	39,951
1979.....	39,507		26,554	24,251	42,555	75,428	32,308
1980.....	26,759	8,302	20,407	20,154	32,876	63,588	24,301
1981.....	23,398	4,812	15,550	13,652	25,197	53,717	20,271
1982.....	8,538	3,010	8,971	8,517	14,622	42,897	27,360
1983.....	5,724	2,360	5,800	7,173	8,510	37,168	9,123
1984.....	5,081	2,727	6,066	5,935	9,419	39,671	9,798
1985.....	3,212	2,208	3,866	6,543	8,168	41,606	14,497
1986.....	1,906	1,018	2,824	2,827	4,130	34,309	11,738

  

Year	Side delivery hay rakes	Pick-up hay balers	Field forage harvesters	Combines (harvester threshers)	Small grain headers for combines	Corn picking units (combine attachments)	Cotton strippers and pickers
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1973.....	19,436	32,656	26,890	25,241		24,985	2,591
1974.....	21,010	41,890	25,304	28,644		29,228	2,612
1975.....	22,591	49,118	22,792	31,259		26,741	1,361
1976.....	21,896	50,151	22,627	31,712		25,087	1,127
1977.....	20,328	42,621	18,740	31,943		24,035	1,816
1978.....	20,602	43,982	16,941	32,020		18,629	1,775
1979.....	19,126	52,310	17,090	32,357		20,052	1,279
1980.....	19,707	49,511	15,823	28,502	46,162	14,601	8,108
1981.....	13,615	39,149	9,563	32,062	48,695	17,107	7,337
1982.....	10,089	24,432	6,365	22,726	24,656	7,228	5,031
1983.....	7,266	25,018	5,357	13,673	14,699	4,121	3,028
1984.....	9,069	24,807	4,653	11,296	14,151	4,388	3,989
1985.....	8,072	19,989	3,244	7,027	9,978	2,829	4,073
1986.....	2,746	9,711	2,419	8,288	9,835	4,291	3,013

  

Year	Peanut combines	Potato harvesters	Manure spreaders	Power grinders and crushers	Silo unloaders <sup>2</sup>	Milking machines <sup>3</sup>	Mower-conditioners (combination) <sup>4</sup>
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1973.....	2,236	746	30,615	8,653	27,424	14,826	29,881
1974.....	2,131	1,183	38,004	7,386	27,822	16,252	37,258
1975.....	2,647	1,273	29,977	9,080	20,288	10,976	35,539
1976.....	1,919	1,328	26,239	4,871	21,556	9,303	32,940
1977.....	1,790	1,005	24,541	6,508	25,899	10,704	27,517
1978.....	1,974	758	24,118	10,614	29,040	11,507	29,921
1979.....	1,632	362	24,649	11,077	25,663	14,274	35,039
1980.....	880	258	24,217	8,065	21,415	10,392	38,171
1981.....	270	389	16,254	6,682	16,599	90,381	31,059
1982.....	974	342	11,540	4,206	10,402	66,083	20,051
1983.....	1,055	302	11,451	3,334	8,699	48,855	15,048
1984.....	1,145	347	11,466	2,623	8,194	38,113	19,218
1985.....	1,296	302	9,923	3,416	7,501	60,841	12,397
1986.....	1,148	109	11,357	2,712	4,719	69,956	4,844

<sup>1</sup> Row cultivators, tractor-drawn or mounted; beet or field cultivators not included.<sup>2</sup> Beginning 1973, horizontal silo unloaders not included.<sup>3</sup> Includes all mechanical milking machines.<sup>4</sup> Includes also self-propelled windrowers.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.



**Table 549.—Farm machines and equipment: Value of shipments, including exports, by classes, United States, 1973-86**

Year	Total	Plows and listers	Harrows, rollers, pulverizers, and stalk cutters	Planting and fertilizing machinery	Cultivators and weeders	Harvesting machinery	Haying machinery	Machines for preparing crops for market or use
1973.....	4,455,022	130,635	249,018	244,528	104,196	832,482	256,596	171,860
1974.....	5,959,092	182,301	394,993	354,436	162,786	1,093,207	407,652	254,921
1975.....	7,046,354	250,134	476,274	480,273	227,440	1,253,430	481,334	262,379
1976.....	7,525,216	266,660	478,322	516,847	224,013	1,435,307	508,250	293,656
1977.....	7,986,664	239,151	465,974	550,782	212,634	1,599,772	469,715	308,932
1978.....	7,829,004	203,617	462,419	522,416	206,125	1,815,631	533,738	356,008
1979.....	9,791,383	273,496	601,262	652,944	275,519	2,133,516	674,621	384,916
1980.....	9,450,357	245,875	555,377	680,743	275,793	2,207,075	778,199	340,083
1981.....	10,001,549	233,199	522,491	802,378	235,994	2,579,889	711,748	319,425
1982.....	7,768,197	151,887	360,522	673,080	202,153	2,069,585	545,099	282,420
1983.....	6,158,809	129,746	340,951	447,490	132,889	1,478,807	541,899	194,556
1984.....	6,821,686	152,464	369,681	601,094	175,355	1,424,639	611,568	197,790
1985.....	4,983,626	110,984	166,014	453,250	139,985	1,190,831	498,116	193,727
1986.....	4,366,870	96,491	100,328	374,464	86,192	1,210,637	197,047	205,854

  

Year	Tractors for farm use	Farm wagons and trucks	Sprayers and dusters	Elevators and blowers	Dairy equipment	Poultry equipment	Hog equipment	Other barn and barnyard equipment
1973.....	1,830,337	144,848	99,791	69,258	67,157	72,374	37,382	144,560
1974.....	2,321,839	186,204	139,287	91,952	80,309	76,154	45,480	167,521
1975.....	2,867,473	178,577	155,752	100,404	68,037	70,023	37,574	137,250
1976.....	3,044,640	173,130	158,848	87,611	77,087	100,472	59,793	160,580
1977.....	3,211,575	183,934	161,709	114,691	97,347	127,867	54,481	188,150
1978.....	3,203,157	247,779	197,931	157,168	108,920	159,452	95,266	251,587
1979.....	3,514,388	276,557	245,368	173,492	134,301	223,333	120,728	306,942
1980.....	3,108,391	207,105	254,083	140,809	143,732	174,931	68,951	274,220
1981.....	3,414,133	212,087	248,491	117,986	159,961	144,939	41,530	257,298
1982.....	2,474,884	172,989	257,882	112,436	110,656	110,409	41,946	202,249
1983.....	1,996,498	140,300	228,465	72,576	116,133	102,443	50,490	184,566
1984.....	2,393,918	133,386	252,992	69,778	105,430	120,646	44,038	168,912
1985.....	1,418,936	105,480	244,412	66,877	92,308	109,000	35,938	156,768
1986.....	1,269,312	106,401	220,545	79,560	77,227	121,692	42,639	178,481

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 550.—Population: Total and rural farm, United States, 1973-87**

Year	Total popula- tion <sup>1</sup>	Farm population		Year	Total popula- tion <sup>1</sup>	Farm population			
		Num- ber <sup>2</sup>	Perce- ntage of total			Year	Total popula- tion <sup>1</sup>	Num- ber <sup>2</sup>	Perce- ntage of total
Previous definition: <sup>3</sup>				Current definition: <sup>4</sup>					
1973.....	211,420	9,472	4.5	1978.....	221,991	6,501	2.9		
1974.....	213,361	9,264	4.3	1979.....	224,438	6,241	2.8		
1975.....	215,353	8,864	4.1	1980.....	227,061	6,051	2.7		
1976.....	217,528	8,253	3.8	1981.....	229,542	5,850	2.5		
1977.....	219,684	7,806	3.6	1982.....	231,932	5,628	2.4		
1978.....	221,991	8,005	3.6	1983.....	234,237	5,787	2.5		
1979.....	224,438	7,553	3.4	1984.....	237,001	5,754	2.4		
1980.....	227,061	7,241	3.2	1985.....	239,279	5,355	2.2		
1981.....	229,542	7,014	3.1	1986.....	241,613	5,226	2.2		
1982.....	231,932	6,880	3.0	1987.....	243,915	4,986	2.0		
1983.....	234,237	7,029	3.0						

See footnotes on page 381.

**Table 551.—Farm labor: Number of workers on farms and average wage rates, by States and regions <sup>1</sup>**

State and region <sup>2</sup>	Workers on farms		Farm wage rates <sup>4</sup>				
	Unpaid <sup>3</sup>	Hired	Type of worker			Method of pay	
			Field	Livestock	Field and livestock	Hourly	Other
	Thousands	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>Jan. 11-17, 1987</i>							
FL.....	18	67	5.70	4.84	5.62	4.95	6.62
So. Plains.....	144	72	5.25	4.13	4.73	5.09	4.98
Mountain III.....	31	17	4.30	4.51	4.40	4.46	5.97
CA.....	54	141	5.10	5.66	5.18	5.05	8.60
HI.....	3	10	6.68	( <sup>5</sup> )	6.61	7.30	10.47
<i>April 12-18, 1987</i>							
Northeast I.....	55	54	4.66	3.60	4.17	4.55	4.43
Northeast II.....	68	46	4.87	3.90	4.50	4.81	5.16
Appalachian I.....	75	37	3.98	4.31	4.11	4.22	5.38
Appalachian II.....	134	31	3.76	3.90	3.85	3.80	4.52
Southeast.....	70	41	3.73	4.36	3.95	3.98	4.19
FL.....	15	54	4.64	4.54	4.63	4.47	6.70
Lake.....	267	79	4.36	3.88	4.15	4.09	4.94
Cornbelt I.....	185	66	5.04	4.17	4.64	5.07	4.79
Cornbelt II.....	203	37	4.37	4.39	4.38	4.83	4.25
Delta.....	68	40	3.86	4.00	3.90	3.97	4.59
N. Plains.....	192	42	4.29	4.43	4.35	4.56	4.29
S. Plains.....	161	87	4.26	4.93	4.62	4.62	5.36
Mountain I.....	50	27	3.94	3.44	3.77	4.61	3.48
Mountain II.....	41	18	4.33	4.18	4.26	4.59	4.34
Mountain III.....	32	23	4.50	4.29	4.45	4.36	5.53
Pacific.....	75	45	4.89	5.14	4.93	4.93	5.97
CA.....	57	148	5.44	5.58	5.46	5.22	8.20
HI.....	3	10	7.82	( <sup>5</sup> )	7.68	7.85	9.97
US (49 States).....	1,751	885	4.70	4.32	4.57	4.67	5.16

<sup>1</sup> Excludes agricultural service workers. <sup>2</sup> Regions consist of the following: Northeast I: CT, ME, MA, NH, NY, RI, VT; Northeast II: DE, MD, NJ, PA; Appalachian I: NC, VA; Appalachian II: KY, TN, WV; Southeast: AL, GA, SC; Lake: MI, MN, WI; Cornbelt I: IL, IN, OH; Cornbelt II: IA, MO; Delta: AR, LA, MS; No. Plains: KS, NE, ND, SD; So. Plains: OK, TX; Mountain I: ID, MT, WY; Mountain II: CO, NV, UT; Mountain III: AZ, NM; Pacific: OR, WA.

<sup>3</sup> Includes farm operators doing 1 or more hours of farm work and other unpaid workers working 15 hours or more during survey week. <sup>4</sup> Includes all persons doing work for pay during survey week. <sup>5</sup> Insufficient data.

National Agricultural Statistics Service.

Table 552.—Farm labor: Number of workers on farms and average wage rates, by States and regions <sup>1</sup>

State and region <sup>2</sup>	Workers on farms		Farm wage rates <sup>4</sup>				
	Unpaid <sup>3</sup>	Hired	Type of worker			Method of pay	
			Field	Livestock	Field and livestock	Hourly	Other
	Thousands	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>July 12-18, 1937</i>							
Northeast I.....	57	69	4.59	3.90	4.34	4.88	3.97
Northeast II.....	90	73	5.13	4.17	4.91	4.92	5.75
Appalachian I.....	86	65	3.84	4.51	3.97	3.90	5.31
Appalachian II.....	126	43	3.69	4.17	3.89	3.79	4.87
Southeast.....	63	73	3.63	4.43	3.87	3.93	4.99
FL.....	21	39	4.51	5.17	4.62	4.62	7.45
Lake.....	280	132	4.51	3.69	4.17	4.47	3.89
Cornbelt I.....	232	106	4.77	4.68	4.74	4.75	5.80
Cornbelt II.....	203	54	4.00	4.70	4.22	4.35	5.28
Delta.....	88	56	3.83	4.10	3.90	3.93	4.41
No. Plains.....	218	61	4.35	4.32	4.34	4.67	4.27
So. Plains.....	213	90	3.90	4.23	4.02	3.90	4.97
Mountain I.....	55	41	4.03	3.58	3.94	3.98	3.92
Mountain II.....	47	31	4.31	3.67	4.15	4.41	4.17
Mountain III.....	33	22	4.07	4.09	4.07	4.13	4.90
Pacific.....	63	87	4.90	5.37	4.94	4.96	5.73
CA.....	62	216	5.54	5.93	5.58	5.39	8.25
HI.....	4	12	7.93	( <sup>5</sup> )	7.82	7.72	10.71
US (49 States).....	1,941	1,270	4.60	4.29	4.52	4.59	5.11
<i>October 11-17, 1937</i>							
Northeast I.....	51	61	4.67	4.00	4.42	4.74	4.32
Northeast II.....	92	49	5.48	3.64	4.99	5.67	4.68
Appalachian I.....	80	51	4.45	4.57	4.49	4.49	5.07
Appalachian II.....	118	33	3.81	4.26	3.98	3.89	5.16
Southeast.....	69	42	3.73	4.10	3.84	4.02	3.99
FL.....	19	55	4.66	4.52	4.65	4.85	7.06
Lake.....	268	86	4.92	3.68	4.35	4.77	3.66
Cornbelt I.....	221	76	4.38	4.54	4.42	4.56	5.10
Cornbelt II.....	224	40	4.29	3.87	4.18	4.16	4.78
Delta.....	80	51	3.84	4.31	3.94	3.96	4.29
No. Plains.....	194	46	4.90	3.88	4.35	4.23	5.11
So. Plains.....	186	91	4.59	4.73	4.65	4.68	5.59
Mountain I.....	54	24	4.46	3.82	4.21	4.64	3.60
Mountain II.....	39	26	4.69	3.97	4.49	4.66	4.45
Mountain III.....	34	16	4.51	4.11	4.36	4.51	5.20
Pacific.....	49	58	6.11	5.56	6.04	5.40	6.07
CA.....	64	181	5.20	6.05	5.32	5.20	8.18
HI.....	4	11	7.67	( <sup>5</sup> )	7.62	7.87	10.36
US (49 States).....	1,846	997	4.80	4.27	4.64	4.72	5.15

See footnotes for table 551 on page 384.

**Table 553.—Farm labor: Number of workers on farms, average wage rates, and indexes, United States, 1973–87<sup>1</sup>**

Year	Total workers		Unpaid workers <sup>2</sup>		Hired workers <sup>3</sup>		Hired farm workers <sup>3</sup>	
	Number of workers	Index <sup>4</sup> 1977=100	Number of workers	Index <sup>4</sup> 1977=100	Number of workers	Index <sup>4</sup> 1977=100	Wage rates	Index <sup>4</sup> 1977=100
1973.....	4,386.7	104	3,169.0	111	1,167.7	89	1.73	60
1974.....	4,388.9	105	3,074.7	107	1,314.2	101	2.25	78
1975.....	4,342.1	104	3,025.5	106	1,316.6	101	2.43	85
1976.....	4,373.9	105	2,997.2	105	1,376.7	105	2.66	93
1977.....	4,169.9	100	2,863.0	100	1,306.9	100	2.87	100
1978 <sup>5</sup> .....	3,656.6	95	2,688.9	94	1,267.7	97	3.09	108
Jan.....	3,009.5	93	2,245.2	93	764.3	94	3.18	107
Apr.....	3,038.5	89	2,593.4	87	1,095.1	95	3.09	110
July.....	4,967.8	98	3,119.8	98	1,848.0	99	2.94	106
Oct.....	4,080.0	98	2,762.6	97	1,317.4	100	3.19	107
1979.....	3,774.2	91	2,501.2	87	1,273.0	97	3.39	118
Jan.....	2,996.5	93	2,198.7	91	797.8	98	3.38	114
Apr.....	3,480.6	84	2,424.4	82	1,056.2	91	3.40	121
July.....	4,639.3	92	2,831.9	89	1,807.4	97	3.23	117
Oct.....	3,943.5	95	2,525.1	89	1,418.4	108	3.57	119
1980.....	3,705.3	89	2,402.3	84	1,303.0	100	3.66	128
Jan.....	3,021.5	94	2,111.9	88	909.6	111	3.69	125
Apr.....	3,441.4	83	2,255.0	76	1,186.4	103	3.61	128
July.....	4,542.6	90	2,751.2	86	1,791.4	96	3.54	128
Oct.....	3,791.4	91	2,485.4	88	1,306.0	99	3.85	129
1981.....	2,997.5	93	2,068.9	86	928.6	114	4.12	139
Apr.....	3,662.5	89	2,402.9	81	1,259.6	109	3.92	139
1982.....	4,043.4	80	2,494.4	78	1,549.0	83	4.00	144
1983.....	3,749.0	74	2,271.0	71	1,478.0	79	4.11	148
1984.....	3,750.0	74	2,315.0	73	1,435.0	77	4.16	150
Oct.....	3,059.0	74	2,034.0	72	1,025.0	78	4.56	153
1985.....	2,821.0	68	1,914.0	64	907.0	78	4.51	160
Apr.....	3,570.0	71	2,197.0	69	1,373.0	73	4.24	153
Oct.....	2,956.0	71	1,941.0	68	1,015.0	77	4.56	153
1986.....	2,718.0	66	1,808.0	61	910.0	79	4.71	167
Apr.....	3,204.0	63	1,971.0	62	1,233.0	66	4.57	165
Oct.....	2,814.0	68	1,839.0	65	975.0	74	4.83	162
1987.....	2,636.0	64	1,751.0	59	885.0	76	4.90	174
Apr.....	3,211.0	63	1,941.0	61	1,270.0	68	4.78	173
Oct.....	2,843.0	68	1,846.0	65	997.0	76	4.92	165

<sup>1</sup> Through 1973 arithmetic means of monthly estimates of persons employed during last full calendar week ending at least one day before the end of the month. For 1974 through 1980, annual averages are the sum of regional and State averages of the quarterly Multiple Frame Labor Surveys which cover the weeks that include the twelfth of January, April, July, and October. The quarterly farm labor surveys were discontinued after April 1981. An annual survey was implemented in 1982 which surveyed establishments in July obtaining data for the week that included the 12th. Beginning in July 1984, three surveys a year were conducted in the 48 contiguous States and Hawaii.

<sup>2</sup> Includes farm operators doing 1 or more hours of farm work and other unpaid workers working 15 hours or more during the survey week without cash wages.

<sup>3</sup> Includes all persons doing farm work for pay during the survey week.

<sup>4</sup> Index is not seasonally adjusted.

<sup>5</sup> Hawaii included in U.S. average beginning 1978.

National Agricultural Statistics Service.

**Table 554.—Workers who did only hired farm work: Number of workers, average days worked and earnings received, United States, selected years 1973–87<sup>1</sup>**

Year	Workers who did 25 days or more of hired farm work			Year	Workers who did 25 days or more of hired farm work		
	Total	Average days worked	Average earnings received during year		Total	Average days worked	Average earnings received during year
	<i>Thousands</i>	<i>Days</i>	<i>Dollars</i>		<i>Thousands</i>	<i>Days</i>	<i>Dollars</i>
1973.....	1,072	175	2,645	1981.....	1,035	179	4,986
1974.....	1,073	166	2,814	1982 <sup>2</sup> .....			
1975.....	972	171	3,082	1983.....	1,118	172	5,544
1976.....	1,068	160	3,176	1984 <sup>2</sup> .....			
1977.....	1,133	170	3,592	1985.....	1,007	196	6,251
1978 <sup>2</sup> .....				1986 <sup>2</sup> .....			
1979.....	1,168	169	4,126	1987 <sup>2</sup> .....	1,002	194	5,987
1980 <sup>2</sup> .....							

<sup>1</sup> Data are obtained from persons 14 years of age and over in the civilian noninstitutional population at or near the end of the year who did hired farm work at some time during the year. This series differs from the hired workers series shown in table 552 which estimates farm employment from a survey of farm operators.

<sup>2</sup> Beginning in 1977, the survey was conducted biennially.

<sup>3</sup> Preliminary.

Economic Research Service. Based on data from an enumerative sample survey made by the Bureau of the Census, U.S. Department of Commerce for the Economic Research Service.

**Table 555.—All hired farm workers: Number and sex of workers, average days worked and earnings received, United States, selected years 1973–87<sup>1</sup>**

Year	All hired farm workers			Workers with 25 days or more of hired farm work during the year				
	Total	Male	Female	Number of hired farm workers	Average days worked		Average earnings received during year	
					At farm and nonfarm work	At farm work	At farm and nonfarm work	At farm work
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Days</i>	<i>Days</i>	<i>Dollars</i>	<i>Dollars</i>
1973.....	2,671	2,115	555	1,585	188	154	2,942	2,303
1974.....	2,737	2,165	572	1,568	178	145	3,051	2,433
1975.....	2,638	2,036	602	1,458	179	146	3,274	2,584
1976.....	2,767	2,086	681	1,622	174	139	3,516	2,714
1977.....	2,730	2,092	638	1,675	182	146	3,973	3,018
1978 <sup>2</sup> .....								
1979.....	2,652	2,075	576	1,753	190	150	4,883	3,605
1980 <sup>2</sup> .....								
1981.....	2,492	1,918	574	1,523	188	154	5,281	4,214
1982 <sup>2</sup> .....								
1983.....	2,595	2,017	578	1,623	191	155	5,934	4,878
1984 <sup>2</sup> .....								
1985.....	2,522	1,980	542	1,579	211	165	6,838	5,047
1986 <sup>2</sup> .....								
1987 <sup>2</sup> .....	2,463	1,962	501	1,605	217	167	7,437	5,033

<sup>1</sup> Data are obtained from persons 14 years of age and over in the civilian noninstitutional population at or near the end of the year who performed hired farm work at some time during the year. This series differs from the hired workers series shown in table 553 which estimates farm employment from a survey of farm operators.

<sup>2</sup> Beginning in 1977, survey data were collected biennially.

<sup>3</sup> Preliminary.

Economic Research Service. Based on data from an enumerative sample survey made by the Bureau of the Census, U.S. Department of Commerce for the Economic Research Service.

Table 556.—Crops: Area, yield, production, and value, United States, 1985-87 <sup>1</sup>

Crop	Area harvested			Yield per harvested acre			Production			Value of production			
	1985	1986	1987 <sup>2</sup>	Unit	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>					<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Corn for grain .....	75,224	69,159	59,167	Bushel	118.0	119.3	119.4	8,876,706	8,249,864	7,064,143	19,521,975	12,541,426	12,129,690
Corn for forage .....	306	( <sup>3</sup> )											
Corn for silage .....	7,160	6,274	5,872	Ton	14.4	14.1	14.6	102,753	88,660	85,586	( <sup>3</sup> )		
Wheat, all <sup>4</sup> .....	64,734	60,723	55,930	Bushel	37.5	34.4	37.6	2,425,105	2,091,635	2,105,200	7,374,181	5,044,347	5,371,133
Winter <sup>5</sup> .....	47,953	43,205	39,917	do	38.1	35.2	39.8	1,827,615	1,521,498	1,562,896	5,429,571	3,583,338	3,886,297
Durum .....	3,094	2,877	3,279	do	36.4	34.0	28.2	112,510	97,907	92,617	362,036	271,276	303,245
Other spring .....	13,687	14,641	13,334	do	35.4	32.3	33.7	484,980	472,230	449,687	1,582,574	1,189,733	1,181,591
Oats <sup>4</sup> .....	8,177	6,860	6,925	do	63.7	56.3	54.0	520,800	386,356	373,765	644,765	470,625	581,382
Barley <sup>4</sup> .....	11,603	12,007	10,027	do	51.0	50.8	52.6	591,383	610,522	527,010	1,132,537	993,905	935,163
Rye .....	717	677	683	do	28.8	28.8	28.9	20,637	19,522	19,718	41,902	29,159	28,891
Flaxseed .....	584	683	463	do	14.2	16.9	16.1	8,293	11,538	7,444	41,912	39,962	23,879
Rice .....	2,492.0	2,360.0	2,330.0	Cwt.	* 5,414	* 5,651	* 5,482	134,913	133,356	127,725	893,377	495,505	919,620
Sorghum for grain .....	16,782	13,859	10,604	Bushel	66.8	67.7	69.9	1,120,271	938,124	740,869	2,243,450	1,322,196	1,156,438
Sorghum for forage .....	796	( <sup>3</sup> )											
Sorghum for silage .....	534	550	424	Ton	12.3	11.8	12.2	6,566	5,898	5,157	( <sup>3</sup> )		
Cotton lint .....	10,229.0	8,468.4	10,035.3	Bale	* 630	* 552	* 706	13,432.2	9,731.1	14,759.9	3,628,112	2,449,111	4,547,024
Cottonseed .....				Ton				5,279.2	3,800.9	5,769.2	347,640	303,965	474,703
Hay, all .....	60,423	62,419	60,748	Ton	2.46	2.49	2.46	148,601	155,529	149,142	9,437,282	8,610,996	9,103,346
Beans, dry edible .....	1,481.4	1,495.0	1,708.4	Cwt. <sup>7</sup>	* 1,497	* 1,531	* 1,540	22,175	22,886	26,309	389,376	436,254	406,622
Soybeans for beans .....	61,584	58,292	56,437	Bushel	34.1	33.3	33.7	2,098,531	1,940,101	1,904,712	10,581,712	9,262,746	10,364,516
Peanuts for nuts .....	1,467.4	1,537.2	1,546.4	Pound	2,810	2,407	2,340	4,122,787	3,700,745	3,619,440	1,003,412	1,074,487	976,252
Potatoes .....	1,361.1	1,219.6	1,282.1	Cwt.	299	296	301	407,109	361,511	385,774	1,570,600	1,808,483	1,701,580
Sunflower .....	2,844	1,955	1,775	Pound	1,109	1,369	1,469	3,153,020	2,675,750	2,608,150	251,505	185,119	187,043
Sweetpotatoes .....	105.3	93.9	93.3	Cwt.	141	136	129	14,853	12,674	12,064	130,450	138,551	159,721
Taro .....	4	4	4	Pound	17,200	16,200	15,500	6,860	6,330	6,200	1,578	1,462	1,674
Tobacco .....	688.0	582.0	590.4	do	2,197	2,001	2,026	1,511,638	1,163,940	1,196,086	2,486,520	1,771,578	1,877,483
Sugarcane for sugar and seed .....	770.0	796.2	823.6	Ton	36.6	38.1	35.5	28,213	30,311	29,218	717,690	824,724	n.a.
Sugarbeets .....	1,102.5	1,191.2	1,251.4	Ton	20.4	21.1	22.3	22,529	25,162	27,987	761,236	902,199	n.a.
Mint oil .....	95.2	92.7	89.6	Pound				6,334	6,986	6,499	71,073	76,614	76,800
Hops .....	28.1	25.0	28.3	do	1,769	1,962	1,768	49,713	49,062	50,048	101,046	87,257	78,075
Apples, commercial crop .....				do				7,923,500	7,933,000	10,542,600	916,533	1,058,879	869,053
Peaches .....				do				2,147,300	2,328,400	2,428,800	307,338	327,155	326,087
Pears .....				Ton				747	766	940	201,109	202,760	184,890
Grapes .....				Ton				5,607	5,226	5,204	959,108	1,173,038	1,291,312
Cherries .....				Ton				419	562	569	163,881	1,157,039	172,702
Apricots .....				Ton				132	55	115	28,137	22,174	36,536
Plums (California) .....				Ton				167	152	245	85,512	99,857	75,361
Prunes, dried (California) .....				Ton				141	99	228	95,880	81,081	166,440
Prunes and plums, fresh basis (excluding California) .....				Ton									
Figs <sup>8</sup> .....				Ton				48	44	49	11,047	11,448	7,045
Nectarines .....				Ton				51	48	53	11,047	11,448	7,045
				Ton				210	172	191	68,723	75,720	65,545

Olives .....				Ton.....				96	112	67	53,635	65,740	32,170
Dates .....				Ton.....				29	19	18	24,854	14,738	15,889
Kiwi fruit .....				Ton.....				22	24	28	16,667	24,102	18,886
Avocados <sup>9</sup> .....				Ton.....				189	303	239	178,816	103,862	150,798
Bananas .....	8	9	9	Pound.....	9,700	9,900	10,300	8,160	9,700	10,100	2,472	2,910	3,386
Papayas .....	2.7	2.4	2.4	.....do.....	35,800	34,600	44,300	60,400	61,000	66,000	8,579	11,123	11,050
Pineapples .....	35.0	36.0	36.1	Ton.....	n.a.	n.a.	n.a.	565	646	692	90,530	99,720	99,286
Pomegranates .....				Ton.....				19	22	20	5,529	7,666	5,631
Cranberries .....	24.4	24.9	25.1	Barrel.....	142.8	146.2	129.8	3,485	3,640	3,258	189,959	188,377	168,652
Strawberries .....	44.1	44.4	44.6	Cwt.....	231	230	249	10,188	10,193	11,117	450,819	503,641	549,082
Oranges <sup>10</sup> .....				Box.....				158,750	175,710	182,225	1,459,334	1,092,225	1,263,627
Grapefruit <sup>10</sup> .....				Box.....				55,800	57,470	63,025	308,537	340,012	413,782
Lemons <sup>10</sup> .....				Box.....				25,800	18,350	28,600	168,051	219,270	182,076
Limes <sup>10</sup> .....				Box.....				1,640	1,725	1,450	19,901	21,901	19,569
Tangerines <sup>10</sup> .....				Box.....				3,430	3,650	4,230	49,432	48,309	53,547
Tangelos <sup>10</sup> .....				Box.....				3,600	2,950	4,000	34,354	19,141	24,276
Temple <sup>10</sup> .....				Box.....				3,250	2,950	3,400	26,225	16,052	20,020
Pecans .....				Pound.....	244,400	272,700		244,400	272,700	262,200	166,288	196,649	139,109
Pistachios .....				.....do.....				27,100	74,900	33,100	36,471	79,501	45,477
Walnuts .....				Ton.....				219	180	245	174,762	194,400	234,650
Almonds .....				Pound.....	465,000			465,000	250,000	660,000	360,640	461,568	649,635
Filberts .....				Ton.....				24	15	21	16,738	10,967	18,918
Macadamia nuts .....				Pound.....	42,000			42,000	44,000	45,000	30,450	35,200	35,868
Coffee .....	1.7	2.0	2.1	.....do.....	2,050	1,120	1,500	1,850	3,000	1,700	5,180	8,700	4,250
Commercial vegetables:													
Beans, snap <sup>11</sup> .....	222.2	190.6	220.3	Ton.....	3.16	3.20	3.07	702.5	609.4	676.3	118,799	97,262	108,194
Broccoli .....	109.5	119.1	120.2	Cwt.....	97	97	95	10,627	11,529	11,432	239,345	239,739	238,846
Carrots .....	90.1	86.1	93.1	Cwt.....	254	272	274	22,916	23,434	25,539	206,426	235,942	215,870
Cauliflower .....	61.2	67.8	66.1	Cwt.....	109	111	112	6,664	7,527	7,375	169,133	191,863	187,555
Celery .....	33.9	33.3	33.9	Cwt.....	542	528	526	18,349	17,614	17,847	139,527	121,065	198,617
Corn, sweet <sup>12</sup> .....	625.9	598.0	620.5	Ton.....	5.47	5.54	5.86	3,426.1	3,310.3	3,636.6	367,529	359,742	368,261
Honeydew melons .....	25.7	28.8	28.6	Cwt.....	185	189	168	4,758	5,438	4,811	58,055	69,132	69,293
Lettuce .....	225.6	216.0	221.3	Cwt.....	274	271	263	61,804	58,622	58,103	675,270	701,341	856,815
Onions .....	123.0	115.3	123.7	Cwt.....	367	375	364	45,059	43,301	44,997	347,247	427,669	503,666
Peas, green <sup>11</sup> .....	353.6	272.4	290.3	Ton.....	1.63	1.52	1.51	577.8	414.9	439.5	138,489	93,781	98,576
Tomatoes <sup>12</sup> .....	390.1	379.2	386.2	Ton.....	22.23	23.66	23.78	8,672.0	8,971.0	9,183.9	1,197,904	1,264,914	1,274,700

<sup>1</sup> Hawaii is included in commercial vegetables and in area and production of sugarcane, but is excluded from other crops. <sup>2</sup> Preliminary. <sup>3</sup> Discontinued. <sup>4</sup> Includes area seeded in preceding fall. <sup>5</sup> Area seeded in preceding fall. <sup>6</sup> Yield in pounds. <sup>7</sup> Clean basis. <sup>8</sup> Fresh basis. <sup>9</sup> Year of bloom. <sup>10</sup> Crop year begins with bloom in one year and ends with completion of harvest the following year. Citrus production is for the year of harvest. <sup>11</sup> Processing only. <sup>12</sup> For breakdown between fresh market and processing, see individual crop tables. n.a. not available.

National Agricultural Statistics Service.

Table 557.—Crops: Area, United States, 1973-87

Year	Principal crops				Commercial vegetables, harvested area <sup>5</sup>	Fruits and planted nuts, bearing area <sup>6</sup>
	Harvested area			Planted area total <sup>4</sup>		
	Feed grains <sup>1</sup>	Food grains <sup>2</sup>	Total <sup>3</sup>			
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
1973.....	101,908	57,273	309,956	318,381	3,363.6	3,248.1
1974.....	99,752	68,683	315,941	326,076	3,333.4	3,314.4
1975.....	104,683	73,045	324,040	332,236	3,416.6	3,437.6
1976.....	106,245	74,126	325,324	336,091	3,202.0	3,374.6
1977.....	108,624	69,612	333,282	344,873	3,217.0	3,485.8
1978.....	105,714	60,391	326,423	336,438	3,255.6	3,504.6
1979.....	102,510	66,173	336,736	345,803	3,298.0	3,510.9
1980.....	101,391	75,087	340,103	355,677	3,044.9	3,556.0
1981.....	106,646	85,119	354,295	363,167	2,971.5	3,537.4
1982.....	106,127	81,876	349,644	358,708	2,189.8	3,551.6
1983.....	80,287	64,455	293,944	309,536	2,135.2	3,580.8
1984.....	106,664	70,711	334,723	345,110	2,446.1	3,545.0
1985.....	111,786	67,943	330,063	342,224	2,467.2	3,502.6
1986.....	101,885	63,760	311,151	326,930	2,313.3	3,445.8
1987.....	86,723	58,943	288,716	304,185	2,413.8	3,457.1

<sup>1</sup> Corn for grain, oats, barley, and sorghum for grain. <sup>2</sup> Wheat, rye, and rice. <sup>3</sup> Crop area included is for corn, sorghum, oats, barley, wheat, rice, rye, soybeans, flaxseed, peanuts, sunflower (beginning 1975), cotton, all hay, dry edible beans, potatoes, sweetpotatoes, tobacco, sugarcane, and sugarbeets; popcorn. Beginning 1986 also includes dry edible peas, Austrian winter peas and lentils. <sup>4</sup> Crop area included is as follows: Planted areas for corn, sorghum, oats, barley, durum and other spring wheat, rice, soybeans, flaxseed, peanuts, sunflower (beginning 1975), cotton, dry edible beans, potatoes, sweetpotatoes, and sugarbeets; harvested areas for winter wheat, rye, all hay, tobacco and sugarcane; popcorn. Beginning 1986 also includes dry edible peas, Austrian winter peas and lentils. <sup>5</sup> Area for fresh market is area for harvest, including any partially harvested or not harvested because of low prices or other economic factors. Area for processing is area harvested. <sup>6</sup> Includes the following fruits and nuts: Citrus fruits—oranges, tangerines, lemons, limes and tangelos (area is for the year of harvest); deciduous fruits—commercial apples, peaches, pears, grapes, cherries, plums, prunes, apricots, bananas, nectarines, figs, kiwifruit (beginning 1980), olives, avocados, papayas, dates, persimmons (prior to 1978), pineapples and pomegranates; nuts—walnuts, almonds, filberts, macadamias, and pistachios (beginning 1977).

National Agricultural Statistics Service.

Table 558.—Harvested crops: Area required for specified purposes, United States, 1973-87

Year	Crops harvested <sup>1</sup>	Area used for producing—				Total population July 1 <sup>3</sup>	Year	Crops harvested <sup>1</sup>	Area used for producing—				Total population July 1 <sup>3</sup>
		Export products <sup>2</sup>	Products for domestic use		Total				Export products <sup>2</sup>	Products for domestic use		Total	
			Million acres	Million acres						Per capita	Million acres		
1973.....	321	96	225	1.06	212	1981.....	366	129	237	1.03	230		
1974.....	328	99	229	1.07	214	1982.....	362	113	249	1.07	232		
1975.....	336	100	236	1.09	216	1983.....	306	124	182	.77	235		
1976.....	337	97	240	1.10	218	1984.....	348	96	252	1.06	237		
1977.....	345	112	233	1.06	220	1985.....	342	79	263	1.10	239		
1978.....	338	114	224	1.00	223	1986.....	325	96	231	.95	242		
1979.....	348	125	223	.99	225	1987 <sup>4</sup> .....	301	107	194	.80	244		
1980.....	352	137	215	.94	228								

<sup>1</sup> Area in principal crops harvested as reported by The Agricultural Statistics Board, NASS, plus area in vegetables, fruits, tree nuts, and farm gardens.

<sup>2</sup> Area for exports relate to exports for year beginning July 1 through 1974 and for October 1 thereafter. Area includes seeds for crops and feed for livestock that are exported.

<sup>3</sup> Includes persons in our military forces in this country and abroad.

<sup>4</sup> Preliminary.

Economic Research Service.



**Table 559.—Total farm input: Index numbers of farm input by major subgroups, United States, 1973-87**

[1977 = 100]

Year	Total input	Farm labor	Farm real estate	Mechanical power and machinery	Agricultural chemicals <sup>1</sup>	Feed, seed, and livestock purchases <sup>2</sup>	Taxes and interest	Miscellaneous
1973.....	98	109	100	90	90	107	102	90
1974.....	98	109	99	92	92	99	103	87
1975.....	97	106	97	96	83	98	100	82
1976.....	98	100	98	98	96	101	102	90
1977.....	100	100	100	100	100	100	100	100
1978.....	102	100	100	104	107	108	99	103
1979.....	105	99	103	104	123	115	103	113
1980.....	103	96	103	101	123	114	100	96
1981.....	102	96	104	98	129	108	99	108
1982.....	99	93	102	92	118	107	92	115
1983.....	97	97	101	89	105	109	97	100
1984.....	95	92	97	85	121	105	88	110
1985.....	92	85	95	81	121	105	91	117
1986.....	87	80	93	76	109	102	91	110
1987 <sup>3</sup> .....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

<sup>1</sup> Includes fertilizer, lime, and pesticides. <sup>2</sup> Nonfarm portion of feed, seed, and livestock purchases. <sup>3</sup> Preliminary. n.a. not available.  
Economic Research Service.

**Table 560.—Farm production and output: Index numbers of total output, and gross production of livestock and crops, by groups, United States, 1973-87**

[1977 = 100]

Year	Farm output	Livestock and products <sup>1</sup>				Crops									
		All livestock and products <sup>2</sup>	Meat animals <sup>3</sup>	Dairy products <sup>4</sup>	Poultry and eggs <sup>5</sup>	All crops <sup>6</sup>	Feed grains <sup>7</sup>	Hay and forage <sup>8</sup>	Food grains <sup>9</sup>	Vegetables <sup>10</sup>	Fruits and nuts <sup>11</sup>	Sugar crops <sup>12</sup>	Cotton	Tobacco	Oil crops <sup>13</sup>
1973.....	93	99	102	94	94	92	91	101	86	99	93	95	91	91	87
1974.....	88	100	104	94	94	84	74	96	91	101	94	89	82	104	71
1975.....	95	95	97	94	92	93	91	100	108	97	98	114	58	114	86
1976.....	97	99	100	98	98	92	96	94	107	99	96	112	74	112	74
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	104	101	100	99	106	102	108	106	93	103	100	100	100	106	105
1979.....	111	104	103	101	114	113	116	108	108	107	105	101	76	106	105
1980.....	104	108	107	105	115	101	97	98	121	104	119	94	102	80	129
1981.....	118	109	106	108	119	117	121	106	144	111	107	109	108	114	99
1982.....	116	107	101	110	119	117	122	109	138	116	113	96	85	104	121
1983.....	96	109	104	114	120	88	67	100	117	107	110	93	55	75	91
1984.....	112	107	101	110	123	111	116	107	129	117	114	95	91	90	106
1985.....	118	110	102	117	128	118	134	106	121	122	119	97	94	81	117
1986.....	111	110	100	117	133	109	123	106	107	117	112	106	69	63	110
1987 <sup>14</sup> .....	109	111	98	116	143	106	105	103	106	120	121	112	104	64	106

<sup>1</sup> Production of livestock and livestock products for human use, horses and mules excluded. <sup>2</sup> Includes clipped wool, mohair, honey, and beeswax. These items are not included in the separate groups of livestock and products shown. <sup>3</sup> Cattle and calves, sheep and lambs, and hogs. <sup>4</sup> Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. <sup>5</sup> Chicken eggs, commercial broilers, chickens, and turkeys. <sup>6</sup> Includes production of hayseeds, pasture seeds and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. <sup>7</sup> Corn for grain, oats, barley, and sorghum grain. <sup>8</sup> All hay, sorghum forage, corn silage, and sorghum silage. <sup>9</sup> All wheat, rye, and rice. <sup>10</sup> Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market having value. <sup>11</sup> Fruits, berries, and tree nuts having value. Citrus production is based on year of harvest for 1960 to date; earlier years are based on year of bloom. <sup>12</sup> Sugarbeets, sugarcane for sugar and seed, sugarcane sirup, and maple sirup. <sup>13</sup> Soybeans, peanuts harvested for nuts, cottonseed, and flaxseed. <sup>14</sup> Preliminary.  
Economic Research Service.

**Table 561.—Livestock and livestock products: Production and value, United States, 1985-87**

Product	Production <sup>1</sup>			Value of production		
	1985	1986	1987 <sup>2</sup>	1985	1986	1987 <sup>2</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Cattle and calves .....	40,157,633	40,474,970	40,282,378	21,196,786	20,935,311	24,623,290
Sheep and lambs.....	694,217	721,464	741,805	427,805	443,899	498,926
Hogs.....	20,164,269	19,415,403	20,419,243	8,871,310	9,555,767	10,426,796
Chickens <sup>3</sup> .....	19,879,936	20,670,521	22,557,754	5,832,363	6,907,696	6,289,549
Turkeys.....	3,702,194	4,141,697	4,888,216	1,818,626	1,948,438	1,701,137
Milk.....	143,147,000	143,381,000	142,462,000	18,379,194	18,058,057	18,003,824
Wool (shorn).....	87,941	84,829	85,757	55,657	56,595	78,156
Mohair <sup>4</sup> .....	13,300	16,000	16,200	45,885	40,160	42,606
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>			
Eggs.....	68,407,000	68,398,000	69,492,000	3,252,519	3,510,273	3,177,043

<sup>1</sup> For cattle, sheep, and hogs, the quantity of net production is the live weight actually produced during the year, adjustments having been made for animals shipped in and changes in inventory.

<sup>2</sup> Preliminary.

<sup>3</sup> Including commercial broiler production. Pounds sold replace production of chickens, beginning 1985.

<sup>4</sup> Texas only.

National Agricultural Statistics Service.

**Table 562.—Agricultural productivity: Index numbers of farm output per unit of input, United States, 1973-87**

[1977 = 100]

Year	Productivity <sup>1</sup>	Year	Productivity <sup>1</sup>	Year	Productivity <sup>1</sup>
1973 .....	95	1978 .....	101	1983 .....	99
1974 .....	90	1979 .....	105	1984 .....	118
1975 .....	99	1980 .....	101	1985 .....	128
1976 .....	98	1981 .....	116	1986 .....	127
1977 .....	100	1982 .....	118	1987 <sup>2</sup> .....	n.a.

<sup>1</sup> Productivity is the output-input ratio. The ratio is obtained by dividing the index of farm output in table 565 by the index of total input in table 559.

<sup>2</sup> Preliminary.

n.a. not available.

Economic Research Service.

FOOTNOTES FOR TABLE 566

<sup>1</sup> Cropland used for crops is the sum of the area of land from which one or more crops were harvested plus area of crop failure and summer fallow. For States included in regions, see footnote 1, table 597.

<sup>2</sup> Preliminary.

Economic Research Service.

**Table 563.—Labor: Indexes of farm production per hour, by farming regions, 1973-87 <sup>1</sup>**

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lach-ian	South-east	Delta States	South-ern Plains	Moun-tain	Pa-cific	United States
1973.....	84	75	80	93	93	94	81	84	90	88	86
1974.....	88	72	72	78	92	99	79	72	92	92	81
1975.....	92	79	88	87	94	103	87	84	98	98	90
1976.....	102	79	96	88	104	111	94	93	107	106	97
1977.....	100	100	100	100	100	100	100	100	100	100	100
1978.....	109	102	105	104	106	110	104	92	109	99	104
1979.....	112	109	117	117	111	122	116	105	105	106	113
1980.....	116	115	112	102	106	106	95	95	117	115	109
1981.....	133	128	124	124	124	130	118	119	128	121	123
1982.....	134	133	123	129	127	139	127	112	126	116	125
1983.....	118	112	84	105	93	112	94	95	110	101	99
1984.....	83	80	95	125	159	258	154	92	113	197	121
1985.....	87	87	127	160	166	274	176	111	109	185	139
1986 <sup>2</sup> .....	88	97	114	166	166	221	178	118	140	166	139
1987 <sup>2</sup> .....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	140

<sup>1</sup> New, survey-based labor series. Not directly comparable to previous year's tables of labor usage. <sup>2</sup> Preliminary. n.a. not available.

Economic Research Service.

**Table 564.—Labor: Indexes of farm production per hour used for farm work, by enterprise groups, United States, 1973-85**

[1977=100]

Year	Livestock and products					Crops									
	Farm out-put	All live-stock and prod-ucts	Meat ani-mals	Milk cows	Pou-ltry	All crops	Feed grains	Hay and for-age	Food grains	Vege-tables	Fruits and nuts	Sugar crops	Cot-ton	To-bacco	Oil crops
1973.....	81	76	78	70	70	87	88	89	100	96	91	85	51	91	84
1974.....	79	82	84	75	76	80	75	87	89	97	96	82	47	98	76
1975.....	89	85	87	81	81	89	90	94	101	93	97	97	57	97	88
1976.....	94	93	94	91	94	91	95	90	98	100	101	100	70	101	84
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	108	109	108	109	109	105	111	109	104	104	103	103	100	109	98
1979.....	119	117	117	122	119	118	125	116	115	109	104	103	132	99	110
1980.....	113	129	127	135	125	105	107	109	116	113	112	104	103	104	90
1981.....	131	136	136	150	135	121	132	122	129	119	108	111	145	117	110
1982.....	133	143	138	164	142	124	136	128	129	120	115	109	149	122	113
1983.....	122	154	149	187	152	105	96	122	131	119	115	106	141	106	96
1984.....	138	162	153	212	162	123	133	132	140	117	116	108	172	129	109
1985 <sup>1</sup> .....	155	175	163	244	173	136	149	135	142	123	119	109	194	137	133

<sup>1</sup> Last year of series.

Economic Research Service.

Table 565.—Farm output: Index numbers by farming regions,<sup>1</sup> 1973-87

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
1973.....	95	85	90	100	97	101	92	95	98	89	93
1974.....	99	80	80	86	98	106	88	79	98	95	88
1975.....	100	84	95	92	102	108	89	88	104	100	95
1976.....	103	79	97	88	107	112	93	90	108	103	97
1977.....	100	100	100	100	100	100	100	100	100	100	100
1978.....	110	102	105	104	109	111	101	88	112	98	104
1979.....	109	105	115	116	106	120	111	103	106	109	111
1980.....	108	106	105	98	102	107	87	85	113	117	104
1981.....	119	112	115	121	123	127	112	112	127	123	118
1982.....	118	115	112	121	121	125	114	98	121	121	116
1983.....	110	97	80	101	91	109	89	86	114	113	96
1984.....	118	112	103	119	118	121	112	92	115	125	112
1985.....	119	115	122	129	115	122	107	97	109	123	118
1986.....	112	111	116	128	100	103	96	86	115	117	111
1987 <sup>2</sup> .....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	109

<sup>1</sup> For States included in regions, see footnote 1, table 618. <sup>2</sup> Preliminary. n.a. not available.  
Economic Research Service.

Table 566.—Cropland used for crops: Index numbers by farming regions,<sup>1</sup> 1973-87

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
1973.....	95	90	93	98	89	87	86	90	96	95	93
1974.....	98	93	96	98	92	91	87	91	98	100	96
1975.....	98	95	97	99	95	94	89	96	101	102	97
1976.....	99	97	98	98	96	95	96	94	100	103	98
1977.....	100	100	100	100	100	100	100	100	100	100	100
1978.....	99	97	97	96	101	99	100	93	100	101	97
1979.....	101	99	101	99	103	101	102	96	102	102	100
1980.....	102	101	102	99	104	101	102	98	103	104	101
1981.....	103	102	102	102	105	101	102	99	104	106	102
1982.....	103	101	101	102	105	100	100	96	102	103	101
1983.....	97	86	83	92	90	90	84	75	99	96	88
1984.....	101	100	99	101	101	98	95	85	105	100	99
1985.....	101	99	100	101	101	91	92	89	102	99	98
1986.....	97	94	95	99	94	79	84	83	103	95	94
1987 <sup>2</sup> .....	93	85	86	95	88	71	79	73	98	88	87

See footnotes on page 392.

Table 567.—Crop production per acre of cropland used for crops: Index numbers by regions,<sup>1</sup> 1973-87

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
1973.....	102	90	95	97	110	122	109	107	96	94	99
1974.....	106	78	77	77	108	125	100	77	98	97	88
1975.....	103	83	97	87	111	121	99	84	97	97	96
1976.....	102	70	94	81	113	121	93	89	103	98	94
1977.....	100	100	100	100	100	100	100	100	100	100	100
1978.....	109	102	108	110	109	114	100	88	109	95	105
1979.....	109	105	116	119	102	120	112	109	107	107	113
1980.....	104	100	102	92	95	102	81	79	111	113	100
1981.....	112	106	114	116	118	130	110	106	117	112	115
1982.....	114	114	117	120	120	133	118	91	116	115	116
1983.....	104	101	88	102	88	122	98	97	110	114	100
1984.....	116	110	105	118	116	129	118	100	107	121	112
1985.....	120	114	124	129	111	135	114	105	104	124	120
1986.....	112	114	124	131	95	121	106	92	112	122	116
1987 <sup>2</sup> .....	110	119	122	127	100	139	122	116	123	139	122

See footnotes on page 396.

**Table 568.—Selected crops: Labor-hours per unit of production and related factors, United States, indicated periods, 1935-86 <sup>1</sup>**

Crop and item	1935-39	1945-49	1955-59	1965-69	1975-79	1981-85	1982-86 <sup>2</sup>
<b>Corn for grain:</b>							
Hours per acre.....	28.1	19.2	9.9	5.8	3.6	3.1	3.1
Yield-bushels.....	26.1	36.1	48.7	78.5	95.3	107.2	109.3
Hours per 100 bushels.....	108	53	20	7	4	3	3
<b>Sorghum grain:</b>							
Hours per acre.....	13.1	8.8	5.9	4.2	3.8	3.5	3.5
Yield-bushels.....	12.8	17.8	29.2	52.9	54.1	59.8	60.6
Hours per 100 bushels.....	102	49	20	8	7	6	6
<b>Wheat:</b>							
Hours per acre.....	8.8	5.7	3.8	2.9	2.8	2.6	2.5
Yield-bushels.....	13.2	16.9	22.3	27.5	31.3	36.9	37.1
Hours per 100 bushels.....	67	34	17	11	9	7	7
<b>Hay:</b>							
Hours per acre.....	11.3	8.4	6.0	3.8	3.4	3.0	3.0
Yield-ton.....	1.24	1.35	1.61	1.97	2.21	2.43	2.45
Hours per ton.....	9.1	6.2	3.7	1.9	1.6	1.3	1.2
<b>Potatoes:</b>							
Hours per acre.....	69.7	68.5	53.1	45.1	37.6	33.3	32.6
Yield-cwt.....	70.3	117.8	178.1	212.8	263.2	281.0	288.9
Hours per ton.....	20	12	6	4	3	2	2
<b>Sugarbeets:</b>							
Hours per acre.....	98	85	51	33	26	21	20
Yield-ton.....	11.6	13.6	17.4	17.5	20.0	20.7	20.4
Hours per ton.....	8.4	6.3	2.9	1.9	1.3	1.0	1.0
<b>Cotton:</b>							
Hours per acre.....	99	83	66	30	8	6	5
Yield-pounds.....	226	273	428	484	484	576	581
Hours per bale.....	209	146	74	30	8	5	5
<b>Tobacco:</b>							
Hours per acre <sup>3</sup> .....	415	460	475	427	254	223	218
Yield-pounds.....	886	1,176	1,541	1,960	2,001	2,098	2,080
Hours per 100 pounds.....	47	39	31	22	13	11	10
<b>Soybeans:</b>							
Hours per acre.....	11.8	8.0	5.2	4.8	3.7	3.2	3.2
Yield-bushels.....	18.5	19.6	22.7	25.8	29.6	30.0	30.7
Hours per 100 bushels.....	64	41	23	19	12	11	10

<sup>1</sup> Labor-hours per acre harvested, including preharvest work on area abandoned, grazed, and turned under.

<sup>2</sup> Series discontinued, last year of data.

<sup>3</sup> Per acre planted and harvested.

Economic Research Service.

**Table 569.—Livestock: Labor-hours per unit of production and related factors, United States, indicated periods, 1935-86**

Kind of livestock and item	1935-39	1945-49	1955-59	1965-69	1975-79	1981-85	1982-86 <sup>1</sup>
<b>Milk cows:</b>							
Hours per cow.....	148	129	109	78	45	27	24
Milk per cow (pounds).....	4,401	4,992	6,307	8,820	11,034	12,513	12,734
Hours per cwt. of milk.....	3.4	2.6	1.7	.9	.4	.2	.2
<b>Cattle other than milk cows:</b>							
Hours per cwt. of beef produced <sup>2 3</sup> .....	4.2	4.0	3.2	2.1	1.3	.9	.9
<b>Hogs:</b>							
Hours per cwt. produced <sup>3</sup> .....	3.2	3.0	2.4	1.4	.5	.3	.3
<b>Chickens (laying flocks and eggs):</b>							
Hours per 100 layers.....	221	240	175	97	60	46	44
Rate of lay.....	129	161	200	219	236	245	246
Hours per 100 eggs produced.....	1.7	1.5	.9	.4	.3	.2	.2
<b>Chickens (farm raised):</b>							
Hours per 100 birds.....	30	29	23	14	12	10	10
Hours per cwt. produced <sup>3</sup> .....	9.0	7.7	6.7	3.7	2.9	2.5	2.5
<b>Chickens (broilers):</b>							
Hours per 100 birds.....	25	16	4	2	.6	.4	.4
Hours per cwt. produced <sup>3</sup> .....	8.5	5.1	1.3	.5	.2	.1	.1
<b>Turkeys:</b>							
Hours per cwt. produced <sup>3</sup> .....	23.7	13.1	4.4	1.3	.5	.3	.2

<sup>1</sup> Series discontinued, last year of data.

<sup>2</sup> Production includes beef produced as a byproduct of the milk-cow enterprise.

<sup>3</sup> Live-weight production.

Economic Research Service.

**Table 570.—Industrial production and income: Index numbers of production in selected lines, United States, 1973-87**

Year	Industrial production <sup>1</sup>				
	Total	Manufacturing	Durable manufacturing	Nondurable manufacturing	Mining
	<i>1977=100</i>	<i>1977=100</i>	<i>1977=100</i>	<i>1977=100</i>	<i>1977=100</i>
1973.....	94.4	94.0	96.3	90.8	99.3
1974.....	93.0	92.6	94.3	90.2	98.8
1975.....	84.8	83.4	82.6	84.5	96.6
1976.....	92.6	91.9	91.1	93.1	97.4
1977.....	100.0	100.0	100.0	100.0	100.0
1978.....	106.5	107.1	108.2	105.5	103.6
1979.....	110.7	111.5	113.9	108.2	106.4
1980.....	108.6	108.2	109.1	107.0	112.4
1981.....	111.0	110.5	111.1	109.7	117.5
1982.....	103.1	102.2	99.9	105.5	109.3
1983.....	109.2	110.2	107.7	113.7	102.9
1984.....	121.4	123.4	124.2	122.3	111.1
1985.....	123.7	126.4	127.6	124.6	108.9
1986.....	125.1	129.1	128.4	130.1	100.4
1987 <sup>2</sup> .....	129.8	134.7	133.1	136.8	100.7

<sup>1</sup> Data from Board of Governors of the Federal Reserve System.<sup>2</sup> Preliminary.

Economic Research Service.

## FOOTNOTES FOR TABLE 567

<sup>1</sup> For States included in regions, see footnote 1, table 599.<sup>2</sup> Preliminary.

Economic Research Service.

**Table 571.—Marketing bill for U.S. farm foods, farm value, and civilian consumer expenditures, 1973-87 <sup>1</sup>**

Year	Total marketing bill	Farm value	Civilian expenditures for farm foods	Year	Total marketing bill	Farm value	Civilian expenditures for farm foods
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>		<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1973.....	87.1	51.7	138.8	1981.....	204.5	83.2	287.7
1974.....	98.2	56.4	154.6	1982.....	215.2	83.7	298.9
1975.....	111.4	55.6	167.0	1983.....	229.3	85.7	315.0
1976.....	125.0	58.3	183.3	1984.....	240.6	91.4	332.0
1977.....	132.7	58.2	190.9	1985.....	257.1	88.3	345.4
1978.....	147.4	69.5	216.9	1986.....	270.5	89.1	359.6
1979.....	166.0	79.2	245.2	1987 <sup>2</sup> .....	283.2	93.9	377.1
1980.....	182.7	81.7	264.4				

<sup>1</sup> The total marketing bill is the difference between total civilian expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. It relates only to domestic food bought by civilian consumers and not to that sold to the Armed Forces or exported.

<sup>2</sup> Preliminary.

Economic Research Service.

**Table 572.—Marketing costs for farm food products, United States, 1973-87**

Year	Labor <sup>1</sup>	Packaging materials	Intercity transportation rail and truck	Fuels and electricity	Corporate profits before taxes	Other <sup>2</sup>	Total marketing bill <sup>3</sup>
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1973.....	39.7	9.4	6.4	2.8	5.4	23.4	87.1
1974.....	44.3	11.8	7.5	3.7	6.1	24.8	98.2
1975.....	48.3	13.3	8.4	4.6	7.1	29.7	111.4
1976.....	53.8	14.5	9.1	5.0	7.7	34.9	125.0
1977.....	58.3	15.1	9.7	6.0	8.0	35.6	132.7
1978.....	66.2	16.6	10.5	7.1	10.3	36.7	147.4
1979.....	75.2	18.6	11.8	8.2	10.4	41.9	166.1
1980.....	81.5	21.0	13.0	9.0	10.2	48.0	182.7
1981.....	91.0	22.6	14.3	10.0	10.0	56.6	204.5
1982.....	96.6	23.7	14.7	11.0	9.6	59.6	215.2
1983.....	102.4	24.7	15.4	11.7	9.3	65.3	229.3
1984.....	109.3	26.2	15.9	12.5	9.7	67.0	240.6
1985.....	116.5	26.9	16.5	13.1	9.5	74.6	257.1
1986.....	124.2	27.7	16.8	13.3	9.3	79.2	270.5
1987 <sup>4</sup> .....	130.7	29.5	17.2	13.8	9.6	82.4	283.2

<sup>1</sup> Includes employee wages or salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration.

<sup>2</sup> Includes depreciation, rent, advertising and promotion, interest, property taxes, and insurance, accounting and professional services, and many miscellaneous items.

<sup>3</sup> The marketing bill is the difference between the farm value or payments to farmers for foodstuffs and consumer expenditures for these foods both at foodstores and away from home eating places. Thus, it covers processing, wholesaling, transportation, and retailing costs and profits.

<sup>4</sup> Preliminary.

Economic Research Service.

**Table 573.—Farm-retail price spreads: Market basket of farm-originated food products by food group, United States, 1973-87 <sup>1</sup>**

Year	Market basket of farm food products				Bakery and cereal products			
	Retail cost <sup>2</sup>	Farm value <sup>3</sup>	Farm to retail spread <sup>4</sup>	Farm value share of retail cost <sup>5</sup>	Retail cost	Farm value	Farm to retail spread	Farm value share of retail cost
	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>
1973.....	52	68	44	44	44	90	38	22
1974.....	60	73	53	42	56	130	48	25
1975.....	64	76	58	40	63	107	57	19
1976.....	65	72	61	38	62	87	59	15
1977.....	66	72	63	37	62	72	61	12
1978.....	74	83	68	38	68	83	66	13
1979.....	82	92	77	38	75	95	72	14
1980.....	88	97	83	37	84	111	81	14
1981.....	95	99	92	36	92	109	90	13
1982.....	98	99	98	35	96	96	97	12
1983.....	99	97	100	34	100	101	99	12
1984.....	103	104	103	35	104	103	104	12
1985.....	104	96	108	32	108	94	110	11
1986.....	106	95	112	31	111	76	116	8
1987 <sup>6</sup> .....	112	97	119	30	115	71	121	8
	Meat products				Fruits and vegetables, fresh			
	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>
1973.....	60	74	46	60	49	61	45	34
1974.....	61	67	55	54	51	62	47	33
1975.....	66	77	56	57	53	63	49	33
1976.....	66	70	63	53	54	61	52	31
1977.....	65	70	60	53	62	70	59	31
1978.....	77	85	69	54	71	80	67	31
1979.....	90	97	84	52	76	79	75	29
1980.....	93	96	89	51	81	78	82	26
1981.....	96	97	95	49	91	97	89	29
1982.....	101	104	98	52	97	100	95	34
1983.....	99	97	102	49	96	90	99	31
1984.....	100	99	100	50	108	111	106	34
1985.....	99	91	107	47	110	101	115	30
1986.....	102	94	110	47	114	96	122	28
1987 <sup>6</sup> .....	110	101	118	47	128	113	136	29
	Dairy products				Fats and oils			
	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>
1973.....	51	52	49	50	47	66	40	38
1974.....	61	61	59	49	71	124	52	47
1975.....	63	63	61	50	77	97	69	34
1976.....	68	71	64	52	66	79	60	32
1977.....	70	72	68	50	71	95	62	36
1978.....	74	77	71	51	78	98	70	34
1979.....	83	88	78	52	84	106	75	34
1980.....	91	96	86	52	89	96	87	29
1981.....	97	102	93	51	99	100	98	27
1982.....	99	100	97	49	96	80	102	22
1983.....	100	100	100	48	97	96	98	27
1984.....	101	99	103	47	107	124	100	31
1985.....	103	95	110	44	109	104	111	26
1986.....	103	93	113	43	106	76	118	19
1987 <sup>6</sup> .....	106	93	118	42	108	74	121	18

See footnotes at end of table.



**Table 573.—Farm-retail price spreads: Market basket of farm-originated food products by food group, United States, 1973-87 <sup>1</sup>—Continued**

Year	Retail cost <sup>2</sup>	Farm value <sup>3</sup>	Farm to retail spread <sup>4</sup>	Farm value share of retail cost <sup>5</sup>	Retail cost	Farm value	Farm to retail spread	Farm value share of retail cost
	Poultry				Fruits and vegetables, processed			
	Index 1982-84=100	Index 1982-84=100	Index 1982-84=100	Percent	Index 1982-84=100	Index 1982-84=100	Index 1982-84=100	Percent
1973.....	76	84	68	59	44	41	42	19
1974.....	72	76	69	56	58	57	50	22
1975.....	80	88	71	59	61	63	57	21
1976.....	76	79	75	55	62	61	59	20
1977.....	77	81	74	56	64	59	66	19
1978.....	85	92	76	58	71	88	67	25
1979.....	89	92	86	55	77	91	74	23
1980.....	94	96	91	55	83	97	79	23
1981.....	97	95	100	52	92	106	89	23
1982.....	96	91	101	51	97	100	97	24
1983.....	97	96	98	53	98	93	100	23
1984.....	107	113	101	56	104	107	103	24
1985.....	106	106	107	53	107	118	104	26
1986.....	114	115	113	54	105	102	106	23
1987 <sup>6</sup> .....	113	94	134	45	109	111	108	24

<sup>1</sup> The market basket consists of foods originating on U.S. farms bought in foodstores in a base period, currently 1982-84. <sup>2</sup> Indexes of retail prices are components of the Consumer Price Index published by the Bureau of Labor Statistics. <sup>3</sup> Gross return or payment to farmers for the farm products equivalent to foods in the market basket. <sup>4</sup> The spread between the retail cost and farm value is an estimate of the gross margin received by marketing firms for assembling, processing, transporting, and distributing the products. <sup>5</sup> Farm value share for most food groups was revised for 1982-86. <sup>6</sup> Preliminary.

Economic Research Service.

**Table 574.—Farm product prices: Season average prices received by farmers and parity prices for selected months, United States, 1986 and 1987**

Commodity and unit	Season average price <sup>1</sup>		Parity price <sup>3</sup>				
	1986 <sup>2</sup>	1987 <sup>2</sup>	1986 <sup>2</sup>		1987 <sup>2</sup>		
			Based on data for—	Parity price	Based on data for—	Parity price	
	Dollars	Dollars	Dollars		Dollars		
<b>Basic commodities:</b>							
Cotton:							
American Upland.....	pound...	0.515	0.635	July.....	1.24	July.....	1.28
Extra long staple.....	do.....	899	1.04	July.....	1.87	July.....	1.84
Wheat.....	bushel.....	2.42	2.55	June.....	6.72	June.....	6.72
Rice.....	cwt.....	3.75	7.50	June.....	19.20	June.....	18.90
Corn.....	bushel.....	1.50	1.75	Sept.....	4.94	Sept.....	4.94
Peanuts.....	pound.....	292	277	July.....	448	July.....	467
Tobacco:							
Flue-cured, types 11-14.....	do.....	1,527	1,587	June.....	2.88	June.....	2.94
Va., fire-cured, type 21.....	do.....	1,278	1,315	Nov.....	2.21	Nov.....	2.25
Ky-Tenn., fire-cured, types 22-23.....	do.....	1,445	1,513	Dec.....	2.76	Dec.....	2.78
Burley, type 31.....	do.....	1,565	1,563	Oct.....	2.97	Oct.....	3.07
Maryland, type 32 <sup>4</sup> .....	do.....	1,065	1,139	Mar.....	2.50	Mar.....	2.42
Dark air-cured, types 35-36.....	do.....	1,201	1,304	Nov.....	2.34	Nov.....	2.38
Sun-cured, type 37.....	do.....	1,242	1,025	Oct.....	2.05	Oct.....	2.11
Pa., seedleaf, type 41.....	do.....	.660	.720	Dec.....	1.40	Dec.....	1.43
Cigar filler and binder, types 42-44, 54-55.....	pound.....	932	1,000	Sept.....	1.95	Sept.....	1.97
Puerto Rican filler, type 46.....	do.....	722	722	Jan.....	1.79	Jan.....	1.88
Cigar binder, types 51-52.....	do.....	1,755	1,700	Oct.....	2.97	Oct.....	3.17
<b>Designated nonbasic commodities:</b>							
Milkfat, in cream.....	pound.....	( <sup>5</sup> )	( <sup>5</sup> )	Dec. <sup>6</sup> .....	n.a.	Dec. <sup>6</sup> .....	n.a.
All milk, sold to plants.....	cwt.....	12.50	12.54	Dec. <sup>6</sup> .....	23.20	Dec. <sup>6</sup> .....	24.00
Fluid market.....	cwt.....	12.62	12.68	.....	.....	.....	.....
Manufacturing grade.....	cwt.....	11.46	11.37	.....	.....	.....	.....
Honey, all.....	pound.....	.511	.507	Dec. <sup>6</sup> .....	1.09	Dec. <sup>6</sup> .....	1.11
<b>Wool and mohair:</b>							
Wool <sup>7</sup> .....	pound.....	.668	.917	Dec. <sup>6</sup> .....	2.43	Dec. <sup>6</sup> .....	2.67
Mohair <sup>8</sup> .....	do.....	2.51	2.63	Dec. <sup>6</sup> .....	7.82	Dec. <sup>6</sup> .....	8.28

See footnotes at end of table.

**Table 574.—Farm product prices: Season average prices received by farmers and parity prices for selected months, United States, 1986 and 1987—Continued**

Commodity and unit	Season average price <sup>1</sup>		Parity price <sup>3</sup>				
	1986 <sup>2</sup>	1987 <sup>2</sup>	1986 <sup>2</sup>		1987 <sup>2</sup>		
			Based on data for—	Parity price	Based on data for—	Parity price	
	Dollars	Dollars	Dollars		Dollars		
<b>Other nonbasic commodities:</b>							
<b>Field crops and miscellaneous:</b>							
Barley.....	bushel.....	1.61	1.80	June.....	4.45	June.....	4.40
Beans, dry edible.....	cwt.....	19.10	14.90	July.....	38.10	July.....	38.10
Cottonseed.....	ton.....	80.00	82.50	July.....	196.00	July.....	192.00
Crude pine gum.....	barrel.....	( <sup>5</sup> )	( <sup>6</sup> )	Jan.....	156.00	Jan.....	152.00
Flaxseed.....	bushel.....	3.47	3.28	June.....	11.60	June.....	11.00
Hay, all, baled.....	ton.....	59.70	65.80	Jan.....	124.00	Jan.....	119.00
Hops.....	pound.....	1.78	1.51	July.....	2.75	July.....	2.92
Oats.....	bushel.....	1.21	1.57	June.....	2.85	June.....	2.77
Peas, dry field.....	cwt.....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	20.90	July.....	21.30
Peppermint oil.....	pounds.....	10.70	11.70	July.....	20.80	July.....	19.90
Popcorn, shelled basis.....	cwt.....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	20.10	July.....	20.40
Potatoes.....	cwt.....	5.03	4.47	Apr.....	9.54	Apr.....	8.85
Rye.....	bushel.....	1.49	1.51	June.....	4.33	June.....	4.08
Sorghum grain.....	cwt.....	2.45	2.79	Sept.....	8.39	Sept.....	8.41
Soybeans.....	bushel.....	4.78	5.55	Aug.....	12.20	Aug.....	12.10
Spearmint oil.....	pound.....	11.40	12.10	July.....	20.80	July.....	1.82
Sweetpotatoes.....	cwt.....	10.70	11.60	June.....	24.50	June.....	24.10
<b>Tobacco:</b>							
Cigar wrapper, type 61.....	pound.....	13.10	15.50	Dec.....	18.20	Dec.....	20.00
Cigar wrapper, type 62.....	do.....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	9.51	July.....	9.67
<b>Fruits:</b>							
Citrus (equiv. on-tree): <sup>9</sup>							
Grapefruit.....	box.....	5.00	n.a.	Aug.....	4.89	Aug.....	5.16
Lemons.....	box.....	3.55	n.a.	Oct.....			
Limes, Florida.....	box.....	8.57	16.14	Mar.....	17.50	Mar.....	16.80
Oranges.....	box.....	5.03	n.a.	Oct.....	8.53	Oct.....	9.19
Tangelos.....	box.....	3.64	n.a.				
Tangerines.....	box.....	10.04	n.a.	Oct.....	11.40	Oct.....	12.70
Templets.....	box.....	3.45	n.a.				
<b>Deciduous and other:</b>							
<b>Apples:</b>							
For all sales.....	pound.....	134	085				
For fresh consumption <sup>10</sup> .....	do.....	191	122	June.....	269	June.....	287
For processing <sup>11</sup> .....	ton.....	116.00	80.30	July.....	206.00	July.....	207.00
<b>Apricots:</b>							
For all sales.....	ton.....	402.00	349.00				
For fresh consumption <sup>10</sup> .....	ton.....	950.00	646.00	May.....	1,380.00	May.....	1,530.00
Dried, California (dried basis) <sup>11</sup> .....	ton.....	1,840.00	2,450.00	June.....	3,750.00	June.....	3,650.00
For processing (except dried) <sup>11</sup> .....	ton.....	270.00	292.00	July.....	454.00	July.....	328.00
Avocados <sup>12</sup> .....	ton.....	343.00	631.00	Sept.....	1,250.00	Sept.....	1,250.00
<b>Berries for processing (Washington and Oregon):</b>							
Blackberries.....	pound.....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	687	July.....	699
Boysenberries/youngberries.....	do.....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	1.17	July.....	1.19
Gooseberries.....	do.....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	974	July.....	991
Loganberries.....	do.....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	413	July.....	420
Raspberries, black.....	do.....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	668	July.....	680
Raspberries, red.....	do.....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	935	July.....	951
<b>Cherries:</b>							
Sweet.....	ton.....	825.00	743.00	Apr.....	1,160.00	Apr.....	1,230.00
Tart.....	pound.....	203	061	May.....	606	May.....	592
Cranberries <sup>13</sup> .....	barrel.....	51.80	n.a.	Aug.....	54.00	Aug.....	70.20
Dates, California <sup>13</sup> .....	ton.....	828.00	819.00	Aug.....	1,400.00	Aug.....	109.00
Figs, canned, California.....	ton.....	282.00	310.00				
<b>Grapes:</b>							
For all sales.....	ton.....	224.00	259.00				
Raisin varieties dried, California (dried basis) <sup>11</sup> .....	ton.....	733.00	831.00	Aug.....	1,770.00	Aug.....	1,760.00
Grapes, excluding raisin varieties dried California (fresh basis).....	ton.....	240.00	279.00	May.....	387.00	May.....	427.00
<b>Nectarines (California):</b>							
For fresh consumption <sup>12</sup> .....	ton.....	445.00	344.00	May.....	494.00	May.....	528.00
For processing <sup>11</sup> .....	ton.....	35.00	26.00	July.....	134.00	July.....	107.00

See footnotes at end of table.

Table 574.—Farm product prices: Season average prices received by farmers and parity prices for selected months, United States, 1986 and 1987—Continued

Commodity and unit	Season average price <sup>1</sup>		Parity price <sup>3</sup>				
	1986 <sup>2</sup>	1987 <sup>2</sup>	1986 <sup>2</sup>		1987 <sup>2</sup>		
			Based on data for—	Parity price	Based on data for—	Parity price	
	Dollars	Dollars		Dollars		Dollars	
Other nonbasic commodities—Con.							
Fruits—Con.							
Deciduous and other—Con.							
Olives (California): <sup>13</sup>							
For all sales.....	ton....	294.00	615.00				
Crushed for oil.....	ton....	17.00	16.00	July.....	87.00	July.....	68.00
For processing (except							
crushed).....	ton....	620.00	644.00	July.....	899.00	July.....	947.00
For canning.....	ton....	709.00	709.00	July.....	978.00	July.....	1,050.00
Peaches:							
For all sales.....	pound....	.146	.142				
For fresh consumption <sup>14</sup> .....	do....	.244	.229	Apr.....	.387	Apr.....	.399
Dried, California (dried							
basis) <sup>11</sup> .....	ton....	864.00	909.00	July.....	2,220.00	July.....	2,110.00
For processing (except dried):							
Clingstone <sup>13</sup> .....	ton....	168.00	189.00	June.....	313.00	June.....	301.00
Freestone <sup>11</sup> .....	ton....	169.00	177.00	July.....	278.00	July.....	286.00
Pears:							
For all sales.....	ton....	267.00	197.00				
For fresh consumption <sup>10</sup> .....	ton....	369.00	225.00	May.....	469.00	May.....	513.00
Dried, California (dried							
basis) <sup>13</sup> .....	ton....	672.00	753.00	Aug.....	1,760.00	Aug.....	1,660.00
For processing (except							
dried) <sup>11</sup> .....	ton....	168.00	172.00	July.....	288.00	July.....	296.00
Plums (equiv. on-tree) (California):							
For all sales.....	ton....	542.00	193.00				
For fresh consumption.....	ton....	544.00	206.00				
For processing.....	ton....	25.00	133.00				
Pomegranates, California.....	ton....	395.00	341.00				
Prunes, dried (California) <sup>11</sup> .....	ton....	819.00	730.00				
Prunes and plums (excl. California):							
For fresh consumption <sup>14</sup> .....	ton....	516.00	237.00				
For processing (except							
dried) <sup>11</sup> .....	ton....	94.00	91.00				
Strawberries:							
For fresh consumption <sup>16</sup> .....	pound....	.576	.585	Jan.....	.890	Jan.....	.885
For processing <sup>11</sup> .....	do....	.284	.285	July.....	.484	July.....	.461
Seed crops:							
Alfalfa.....	cwt....	(5)	(5)	July.....	214.00	July.....	218.00
Bentgrass.....	cwt....	(5)	(5)	July.....	209.00	July.....	213.00
Chewings fescue (Oregon).....	cwt....	(5)	(5)	Jan.....	112.00	Jan.....	109.00
Crimson clover.....	cwt....	(5)	(5)	Jan.....	94.60	Jan.....	91.60
Hairy vetch.....	cwt....	(5)	(5)	Jan.....	65.10	Jan.....	63.40
Ladino clover.....	cwt....	(5)	(5)	Jan.....	277.00	Jan.....	269.00
Lespedeza.....	cwt....	(5)	(5)	July.....	92.10	July.....	93.70
All Kentucky bluegrass.....	cwt....	(5)	(5)				
Orchardgrass.....	cwt....	(5)	(5)	Jan.....	80.30	Jan.....	78.10
Red clover.....	cwt....	(5)	(5)	July.....	133.00	July.....	135.00
Red fescue.....	cwt....	(5)	(5)	Jan.....	113.00	Jan.....	110.00
Tall fescue.....	cwt....	(5)	(5)	Jan.....	41.10	Jan.....	40.00
Timothy.....	cwt....	(5)	(5)	July.....	70.90	July.....	72.10
Sugar crops:							
Maple sirup.....	gallon....	(5)	(5)				
Sugarbeets.....	ton....	35.90	38.60	July.....	61.40	July.....	63.60
Sugarcane for sugar <sup>18</sup> .....	ton....	27.30	29.20	July.....	47.90	July.....	49.90
Tree nuts: <sup>17</sup>							
Almonds.....	pound....	1.92	.950	July.....	1.95	July.....	2.19
Filberts.....	ton....	726.00	959.00	July.....	1,440.00	July.....	1,450.00
Pecans, all.....	ton....	1,440.00	1,060.00	July.....	2,460.00	July.....	2,410.00
Improved.....	ton....	1,590.00	1,200.00				
Seeding.....	ton....	1,150.00	754.00				
Walnuts.....	ton....	1,080.00	950.00	July.....	1,640.00	July.....	1,720.00
Vegetables for fresh market: <sup>15</sup>							
Artichokes, California <sup>16</sup> .....	cwt....	(5)	(5)	July.....	50.40	July.....	51.30
Asparagus.....	cwt....	70.60	65.60	Jan.....	108.00	Jan.....	120.00
Broccoli.....	cwt....	20.80	20.60	Jan.....	40.20	Jan.....	39.30
Cabbage.....	cwt....	(5)	(5)	Jan.....	15.50	Jan.....	15.10
Cantaloups.....	cwt....	(5)	(5)	Jan.....	23.90	Jan.....	23.20
Carrots <sup>18</sup> .....	cwt....	10.10	8.45	Dec.....	15.60	Dec.....	16.50
Cauliflower <sup>18</sup> .....	cwt....	25.50	25.40	Nov.....	41.90	Nov.....	44.20
Celery <sup>18</sup> .....	cwt....	12.00	11.10	Dec.....	19.70	Dec.....	20.80
Cucumbers.....	cwt....	(5)	(5)	Jan.....	25.60	Jan.....	24.90

See footnotes at end of table.

**Table 574.—Farm product prices: Season average prices received by farmers and parity prices for selected months, United States, 1986 and 1987—Continued**

Commodity and unit	Season average price <sup>1</sup>		Parity price <sup>3</sup>				
	1986 <sup>2</sup>	1987 <sup>2</sup>	1986 <sup>2</sup>		1987 <sup>2</sup>		
			Based on data for—	Parity price	Based on data for—	Parity price	
	Dollars	Dollars		Dollars		Dollars	
<b>Other nonbasic commodities—Con.</b>							
<b>Vegetables for fresh market <sup>16</sup>—</b>							
<b>Con.</b>							
Eggplant.....	cwt....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	27.00	Jan.....	26.30
Escarole.....	cwt....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	34.80	Jan.....	33.80
Garlic.....	cwt....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	32.80	Jan.....	32.00
Green peppers.....	cwt....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	40.40	Jan.....	39.30
Honeydew melons.....	cwt....	12.70	14.40	Apr.....	23.30	Apr.....	23.40
Lettuce.....	cwt....	11.90	14.70	Nov.....	19.00	Nov.....	20.00
Onions <sup>17</sup> .....	cwt....	10.90	12.50	Feb.....	18.20	Feb.....	17.90
Snap beans.....	cwt....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	50.60	Jan.....	49.20
Spinach.....	cwt....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	44.30	Jan.....	43.10
Sweet corn.....	cwt....	13.90	12.90	Jan.....	20.90	Jan.....	20.90
Tomatoes.....	cwt....	25.10	26.00	Dec.....	41.80	Dec.....	43.40
Watermelons.....	cwt....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	9.48	Jan.....	9.23
<b>Vegetables for processing: <sup>11</sup></b>							
Asparagus.....	ton....	928.00	932.00	Jan.....	1,520.00	Jan.....	1,600.00
Beets.....	ton....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	87.30	Jan.....	85.00
Cabbage.....	ton....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	67.40	Jan.....	65.60
Cucumbers.....	ton....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....		Jan.....	
Green peas.....	ton....	226.00	224.00	Jan.....	418.00	Jan.....	404.00
Lima beans.....	ton....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	742.00	July.....	755.00
Snap beans.....	ton....	160.00	160.00	Jan.....	303.00	Jan.....	292.00
Spinach.....	ton....	( <sup>5</sup> )	( <sup>5</sup> )	Jan.....	163.00	Jan.....	158.00
Sweet corn.....	ton....	58.90	59.30	July.....		July.....	163.00
Tomatoes.....	ton....	63.90	59.00	Jan.....	127.00	Jan.....	121.00
<b>Livestock and livestock products:</b>							
All beef cattle.....	cwt....	52.60	61.10	Dec.....		Dec.....	105.00
Cows.....	cwt....	35.50	43.20				
Steers and heifers.....	cwt....	56.70	65.30				
Calves.....	cwt....	61.10	78.50	Dec.....	115.00	Dec.....	122.00
Beeswax.....	pound....	( <sup>5</sup> )	( <sup>5</sup> )	July.....	3.22	July.....	3.28
<b>Chickens:</b>							
Excluding broilers, live.....	do....	.125	.110				
Broilers, live.....	do....	.345	.287				
Eggs.....	dozen....	.616	.549	Dec.....	1.13	Dec.....	1.14
Hogs.....	cwt....	49.30	51.20	Dec.....	84.50	Dec.....	87.10
Lambs.....	cwt....	69.00	77.60	Dec.....	114.00	Dec.....	120.00
Milk cows <sup>18</sup> .....	head....	820.00	920.00				
Milk, retail <sup>20</sup> .....	quart....	.484	.486				
Sheep.....	cwt....	25.60	29.50	Dec.....	37.60	Dec.....	40.50
Turkeys, live.....	pound....	.471	.348	Dec.....	.753	Dec.....	.786

<sup>1</sup> Season average prices for crops; weighted calendar year average for livestock and livestock products, except chickens, eggs, and hogs, which are on a Nov.-Dec. marketing year basis. Unless otherwise noted, these are averages for marketing season or calendar year computed by weighing State prices by quantities sold, or by production for those commodities for which virtually all the production is sold.

<sup>2</sup> Preliminary.

<sup>3</sup> Parity prices as computed, currently using base prices in effect and indexes for months indicated. Parity prices shown are those for most recent month available preceding the start of the crop marketing season for crops and the calendar year for livestock and livestock products.

<sup>4</sup> Crop is sold during year following production.

<sup>5</sup> Estimates discontinued.

<sup>6</sup> Previous year.

<sup>7</sup> Average local market price for wool sold excluding incentive payment.

<sup>8</sup> Average local market price for mohair sold excluding incentive payment.

<sup>9</sup> Crop year begins with bloom in one year and ends with completion of harvest the following year. Prices refer to the year harvest begins. Thus the prices shown for 1986 relate to the citrus crop designated as 1986-87 in the production reports.

<sup>10</sup> Equivalent packinghouse-door returns for California, Oregon, Washington, and New York (starting 1985), and prices as sold for other States.

<sup>11</sup> Equivalent returns at processing plant-door.

<sup>12</sup> Equivalent returns at packinghouse-door.

<sup>13</sup> Equivalent per unit returns for bulk fruit at first delivery point.

<sup>14</sup> Average price as sold.

<sup>15</sup> FOB Shipping point.

<sup>16</sup> Continental United States only.

<sup>17</sup> Prices are in shell basis except almonds which are shelled basis.

<sup>18</sup> Includes some processing.

<sup>19</sup> Simple average of States weighted by estimated Jan. 1 head for U.S. average.

<sup>20</sup> Sold by farmers directly to consumers.

n.a. not available.

National Agricultural Statistics Service.

**Table 575.—Producer prices: Index numbers, by groups of commodities, United States, 1980-87**

[1982=100]

Year	Total finished goods	Consumer foods	Finished goods <sup>1</sup>	Total consumer goods	Total intermediate materials	Total crude materials
1980 <sup>2</sup>	88.0	92.4	86.7	87.1	90.3	95.3
1981	96.1	97.8	95.6	96.1	98.6	103.0
1982	100.0	100.0	100.0	100.0	100.0	100.0
1983	101.6	101.0	101.8	101.2	100.6	101.3
1984	103.7	105.4	103.2	102.2	103.1	103.5
1985	104.7	104.6	104.6	103.3	102.7	95.8
1986	103.2	107.3	101.9	98.5	99.1	87.7
1987 <sup>3</sup>	105.4	109.5	104.0	100.7	101.5	93.7

<sup>1</sup> Excluding consumer foods.

<sup>2</sup> Data prior to 1980 available from Department of Labor.

<sup>3</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Labor.

**Table 576.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 1973-87**

[1910-14=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit	Fruit for fresh market <sup>1</sup>	Commercial vegetables	Commercial vegetables for fresh market	Potatoes, sweet potatoes, and dry edible beans	All crops	Meat animals	Dairy products	Poultry and eggs	Live-stock and live-stock products	All farm products	Ratio <sup>2</sup>
1973	379	283	274	718	608	312	305	379	521	385	394	664	440	231	502	447	91
1974	529	423	433	821	625	319	303	403	509	543	504	553	510	214	454	481	86
1975	426	400	348	899	529	313	303	458	579	391	452	567	537	235	474	463	76
1976	355	379	504	906	551	294	291	456	579	375	443	569	591	233	485	464	71
1977	275	316	511	972	652	370	362	498	658	363	433	564	594	228	481	457	66
1978	336	320	466	1,061	608	509	522	522	695	379	456	757	647	243	595	524	70
1979	403	360	490	1,145	670	534	546	548	717	333	501	937	736	252	708	602	71
1980	452	417	583	1,219	664	458	462	562	722	469	539	878	798	254	691	614	65
1981	456	446	566	1,363	718	480	478	677	887	643	580	848	842	264	688	633	61
1982	401	378	469	1,489	575	647	673	629	790	455	524	876	831	252	696	609	57
1983	407	452	531	1,505	663	475	474	649	847	445	554	831	830	270	679	615	56
1984	394	459	554	1,484	708	747	794	661	873	570	599	854	823	308	701	649	57
1985	365	385	474	1,492	546	666	693	641	807	448	519	802	779	271	654	585	52
1986	300	309	462	1,339	502	630	645	646	811	413	461	817	766	293	666	560	51
1987 <sup>3</sup>	281	269	502	1,255	517	674	698	717	970	460	458	921	765	244	703	578	52

See footnotes on page 409.

**Table 577.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 1973-87**

[1977=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit	Fruit for fresh market <sup>1</sup>	Commercial vegetables	Commercial vegetables for fresh market	Potatoes, sweet potatoes, and dry edible beans	All crops	Meat animals	Dairy products	Poultry and eggs	Livestock and live-stock products	All farm products	Ratio <sup>2</sup>
1973.....	138	90	54	74	93	84	84	76	79	106	91	118	74	101	104	98	138
1974.....	192	134	85	85	96	86	84	81	77	150	117	98	86	94	94	105	130
1975.....	155	127	68	93	81	85	84	92	88	108	105	100	90	103	98	101	113
1976.....	129	120	99	93	85	80	80	91	88	104	102	101	100	102	101	102	107
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	122	101	91	109	93	137	144	105	106	104	105	134	109	106	124	115	106
1979.....	147	114	96	118	103	144	151	110	109	92	116	166	124	111	147	132	107
1980.....	165	132	114	125	102	124	128	113	110	129	125	156	135	112	144	134	97
1981.....	166	141	111	140	110	130	132	136	135	177	134	150	142	116	143	139	92
1982.....	146	120	92	153	88	175	186	126	120	125	121	155	140	110	145	133	84
1983.....	148	143	104	155	102	128	131	130	129	123	128	147	140	118	141	135	84
1984.....	144	145	108	153	109	202	220	133	133	157	138	151	139	135	146	142	86
1985.....	133	122	93	153	84	180	192	129	122	124	120	142	131	119	136	128	79
1986.....	109	98	91	138	77	170	178	130	123	114	107	145	129	128	138	123	77
1987 <sup>3</sup> .....	103	85	98	129	79	182	193	144	147	127	106	163	129	107	146	127	78

<sup>1</sup> Fresh market for noncitrus, and fresh market and processing for citrus. <sup>2</sup> Ratio of Index of Prices Received (1977=100) to Index of Prices Paid (1977=100). <sup>3</sup> Preliminary.

National Agricultural Statistics Service. These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been weighted by average quantities sold during 1971-73.

**Table 578.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1973-87<sup>1</sup>**

[1977=100]

Year	Production indexes														Interest	Taxes	Wage rates <sup>3</sup>	Production, interest, taxes, and wage rates	Commodities, interest, taxes, and wage rates <sup>4</sup>
	Production (all commodities)	Feed	Feeder livestock	Seed	Fertilizer	Agricultural chemicals	Fuels and energy <sup>2</sup>	Farm and motor supplies	Autos and trucks	Tractors and self-propelled machinery	Other machinery	Building and fencing	Farm services and cash rent <sup>2</sup>						
1973.....	73	86	121	64	56	67	57	78	62	58	57	64	59	55	77	69	72	71	
1974.....	83	104	93	82	32	76	79	89	69	68	65	79	72	65	81	79	81	81	
1975.....	91	100	85	94	120	102	88	102	82	82	80	90	86	77	87	85	89	89	
1976.....	97	103	97	92	102	111	93	100	91	91	92	94	92	88	94	93	95	95	
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
1978.....	108	98	140	105	100	94	105	104	106	109	108	108	107	117	100	107	109	108	
1979.....	125	110	185	110	108	96	137	115	117	122	119	118	117	143	107	117	125	123	
1980.....	138	123	177	118	134	102	188	134	123	136	132	128	144	178	114	127	139	138	
1981.....	148	134	164	138	144	111	213	147	143	152	146	134	157	216	123	138	151	150	
1982.....	153	122	164	141	144	119	210	152	159	165	160	135	169	249	124	144	159	159	
1983.....	152	134	160	141	137	125	202	152	170	174	171	138	145	258	129	148	159	161	
1984.....	155	135	154	151	143	128	201	147	182	181	180	138	152	257	132	151	162	165	
1985.....	151	116	154	153	135	128	201	146	193	178	183	136	150	237	133	154	157	163	
1986.....	144	108	153	148	124	127	162	144	198	174	182	136	145	219	134	160	150	159	
1987.....	147	103	179	148	118	124	161	144	208	174	185	137	146	207	136	167	152	162	

<sup>1</sup> Index values for 1973 through 1975 were revised and published in May 1976 using 1971-73 weights. Indexes were reordered and several new indexes introduced. <sup>2</sup> New index; values for years prior to 1973 are not available. <sup>3</sup> Simple average of seasonally adjusted quarterly indexes. <sup>4</sup> Family Living component included.

National Agricultural Statistics Service.

Table 579.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1973-87 <sup>1</sup>

[1910-14=100]

Year	Family living indexes							Production indexes					
	Family living (all commodities)	Food	Clothing	Housing <sup>2</sup>	Autos and auto supplies	Medical and health care <sup>2</sup>	Education, recreation, and other <sup>2</sup>	Production (all commodities)	Feed	Feeder livestock	Seed	Fertilizer	Agricultural chemicals
1973	426	460	559	424	452	472	412	424	342	742	397	150	292
1974	484	531	637	496	530	513	438	481	414	570	512	246	329
1975	533	574	682	558	595	576	474	528	399	517	582	320	443
1976	563	589	739	592	639	631	495	559	408	594	574	272	481
1977	576	(*)	(*)	(*)	(*)	(*)	(*)	579	398	611	621	266	434
1978	616	(*)	(*)	(*)	(*)	(*)	(*)	628	390	853	650	265	407
1979	683	(*)	(*)	(*)	(*)	(*)	(*)	720	436	1,129	681	287	415
1980	776	(*)	(*)	(*)	(*)	(*)	(*)	798	491	1,084	736	357	443
1981	858	(*)	(*)	(*)	(*)	(*)	(*)	855	532	1,004	858	383	480
1982	914	(*)	(*)	(*)	(*)	(*)	(*)	886	484	1,002	877	384	518
1983	944	(*)	(*)	(*)	(*)	(*)	(*)	883	532	975	878	365	543
1984	985	(*)	(*)	(*)	(*)	(*)	(*)	900	539	941	939	381	556
1985	1,019	(*)	(*)	(*)	(*)	(*)	(*)	874	461	941	949	358	554
1986	1,040	(*)	(*)	(*)	(*)	(*)	(*)	835	430	934	918	329	549
1987	1,076	(*)	(*)	(*)	(*)	(*)	(*)	850	408	1,092	922	314	538

  

Year	Production indexes—Continued							Interest	Taxes	Wage rates <sup>6</sup>	Production, interest, taxes, and wage rates	Commodities, interest, taxes, and wage rates <sup>7</sup>
	Fuels and energy	Farm and motor supplies	Autos and trucks	Tractors and self-propelled machinery	Other machinery	Building and fencing	Farm services and cash rent <sup>5</sup>					
1973	204	320	714	695	633	594	396	920	1,236	1,314	532	491
1974	281	392	793	816	725	733	482	1,103	1,305	1,506	605	558
1975	313	450	940	990	895	835	578	1,303	1,400	1,627	665	613
1976	331	439	1,043	1,102	1,025	871	621	1,481	1,518	1,781	709	653
1977	357	441	1,151	1,205	1,120	928	674	1,688	1,614	1,915	743	689
1978	376	458	1,218	1,315	1,211	1,001	720	1,981	1,612	2,053	806	745
1979	488	506	1,343	1,466	1,332	1,099	791	2,420	1,730	2,262	926	848
1980	672	592	1,417	1,640	1,483	1,185	970	2,933	1,859	2,421	1,032	950
1981	762	647	1,650	1,831	1,637	1,241	1,059	3,556	1,983	2,626	1,121	1,037
1982	750	671	1,834	1,982	1,789	1,254	1,141	4,085	1,998	2,760	1,176	1,097
1983	722	668	1,957	2,100	1,913	1,281	980	4,370	2,085	2,836	1,179	1,105
1984	718	649	2,097	2,179	2,010	1,275	1,025	4,358	2,122	2,872	1,200	1,132
1985	718	645	2,219	2,142	2,051	1,263	1,014	4,013	2,142	2,935	1,163	1,120
1986	578	637	2,273	2,095	2,035	1,259	980	3,709	2,165	3,049	1,116	1,096
1987	576	635	2,392	2,098	2,081	1,276	986	3,510	2,192	3,174	1,130	1,115

<sup>1</sup> Index values for 1973 through 1975 were revised and published in May 1976 using 1971-73 weights. Indexes were reordered and several new indexes introduced.

<sup>2</sup> Based on Consumer Price Indexes of Bureau of Labor Statistics.

<sup>3</sup> Beginning 1977, based on Consumer Price Indexes of Bureau of Labor Statistics.

<sup>4</sup> Discontinued.

<sup>5</sup> New index, values for years prior to 1973 are not available.

<sup>6</sup> Simple average of seasonally adjusted quarterly indexes.

<sup>7</sup> The index known as the Parity Index is the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Wage Rates expressed on the 1910-14=100 base.

National Agricultural Statistics Service.

Table 580.—Prices paid by farmers: Prices, by commodities, United States, 1983-87 <sup>1 2</sup>

Commodity and unit	1983	1984	1985	1986	1987
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
<b>Building materials:</b>					
Framing lumber, 2 by 4 inches, per 1,000 board feet:					
Pine, Standard and better.....	362.00	361.00	347.00	350.00	369.00
Fir, Standard and better.....	393.00	388.00	376.00	382.00	392.00
Boards, per 1,000 board feet:					
Rough, for farm fences and construction.....	474.00	483.00	492.00	489.00	499.00
Dressed, 1-inch, pine S4S, standard and better or No. 2 and better <sup>3</sup> .....	615.00	633.00	646.00	653.00	674.00
Nails, 8d, common, per pound.....	.660	.643	.647	.643	.650
Roofing, galvanized steel, per 100 square feet.....	43.00	42.60	41.50	41.20	41.40
Shingles, fiberglass, per square.....	28.80	27.80	26.70	25.30	24.00
Insulating sheathing, (asphalt-treated) regular density, ½-inch, per sheet 4 feet by 8 feet.....	5.00	5.12	5.21	5.40	5.44
Concrete blocks, per 100.....	87.50	90.20	92.50	94.70	96.30
Portland cement, per 94 pounds.....	5.88	6.06	6.19	6.25	6.29
Paint, house, exterior, latex per gallon <sup>4</sup> .....	16.50	16.10	16.10	16.10	15.80
Barbed wire, 2-point, per 80-rod spool.....	36.20	35.50	34.70	34.70	33.70
Barbed wire, 4-point, per 80-rod spool.....	40.50	39.50	37.60	37.50	36.60
Posts, wood, farm line fence, each.....	3.68	.365	.354	.344	3.50
Posts, steel, each.....	2.96	2.79	2.73	2.60	2.50
Staples, fence, per pound.....	.730	.704	.709	.707	.716
Woven wire fencing, 32-inch, per 20-rod roll.....	80.60	77.30	75.40	74.30	72.20
Iron pipe, galvanized, 1¼-inch, I.D., per foot.....	2.06	1.98	1.96	1.90	1.98
Plastic tubing, 1-inch, I.D., per foot.....	.257	.254	.250	.246	.262
<b>Fuels and energy:</b>					
Fuel, per gallon:					
Diesel fuel.....	1.00	1.00	.967	.693	.712
Gasoline, service station, unleaded regular.....	1.23	1.20	1.20	.930	.863
Gasoline, bulk delivery, leaded regular.....	1.18	1.16	1.15	.894	.919
L. P. gas, bulk delivery.....	.770	.760	.726	.670	.592
Electricity, per kilowatt hour.....	.0648	.683	.717	(1 <sup>6</sup> )	(1 <sup>6</sup> )
<b>Motor supplies:</b>					
Grease, 35 lb. pail.....	31.70	31.50	31.80	31.90	31.60
Motor oil, per gallon:					
All weather, high detergent.....	5.40	5.00	4.99	4.96	4.83
Heavy duty, detergent.....	4.99	4.68	4.68	4.68	4.63
Regular, nondetergent.....	4.50	4.27	4.29	4.31	4.33
Spark plugs, each.....	1.91	1.85	1.79	1.73	1.77
Storage batteries, CPR 220-310 amps, each.....	50.30	48.40	48.00	47.10	47.80
<b>Tires:</b>					
Auto tires, bias-belted const., E78-14, tubeless each <sup>5</sup> .....	47.50	44.10	43.50	42.60	41.50
Auto tires, radial, steel-belted, P/195/75R14/ER78-14 tubeless, each <sup>6</sup> .....	67.30	61.20	58.60	56.30	54.20
Truck tires, 10.00-20, load range F, each.....	178.00	167.00	200.00	206.00	201.00
Tractor tires, rear, 15.5-38, 6-ply, each.....	306.00	289.00	291.00	285.00	280.00
Tractor tires, rear, 18.4-34, 6-ply, each.....	392.00	376.00	406.00	406.00	398.00
<b>New motor vehicles:</b>					
Autos, 4-door sedans:					
Compact <sup>7</sup> .....	8,538.00	8,540.00	8,870.00	9,240.00	9,750.00
Intermediate size <sup>8</sup> .....	9,797.00	10,100.00	10,750.00	11,500.00	12,300.00
Standard <sup>9</sup> .....	11,417.00	12,400.00	13,480.00	14,300.00	15,100.00
<b>New trucks:</b>					
2-ton, cab and chassis, each <sup>10</sup> .....	18,150.00	18,380.00	19,170.00	18,300.00	20,400.00
¾-ton pickup <sup>11</sup> .....	9,815.00	10,350.00	11,150.00	11,700.00	12,400.00
<b>Tractors:</b>					
2-wheel, 30-39 P.T.O. or belt horsepower.....	11,200.00	11,400.00	11,260.00	10,800.00	11,100.00
2-wheel, 50-59 P.T.O. or belt horsepower.....	17,000.00	17,400.00	16,900.00	16,660.00	16,600.00
2-wheel, 110-129 P.T.O. or belt horsepower.....	39,700.00	41,800.00	40,100.00	38,700.00	38,900.00
4-wheel, 170-240 P.T.O. or belt horsepower.....	78,100.00	79,930.00	78,600.00	77,100.00	74,700.00

See footnotes at end of table.



Table 580.—Prices paid by farmers: Prices, by commodities, United States, 1983-87<sup>1 2</sup>—  
Continued

Commodity and unit	1983	1984	1985	1986	1987
	Dollars	Dollars	Dollars	Dollars	Dollars
<b>Farm machinery:</b>					
Plows, moldboard, 3-bottom, each.....	2,580.00	2,670.00	2,620.00	2,600.00	2,610.00
Plows, moldboard, 5-bottom, each.....	6,680.00	6,870.00	6,730.00	6,790.00	6,590.00
Plows, moldboard, 7-bottom, each.....	9,720.00	10,130.00	9,960.00	9,750.00	9,750.00
Disk harrows, tandem, 16-ft., each.....	7,750.00	7,090.00	7,970.00	7,800.00	7,600.00
Disk harrows, tandem, 19-ft., each.....	10,200.00	10,670.00	10,480.00	10,100.00	9,800.00
Cultivators, 4-row, tractor, each.....	2,450.00	2,480.00	2,500.00	2,520.00	2,510.00
Corn planters, 4-row, plain, each.....	6,590.00	6,900.00	7,020.00	7,040.00	7,390.00
Grain drills, tractor-drawn, 16-tube, plain, each.....	5,070.00	5,360.00	5,460.00	5,630.00	5,750.00
Grain drills, tractor-drawn, 13-tube, with fertilizer attachment, each.....	4,950.00	5,210.00	5,560.00	5,520.00	5,730.00
Mowers, tractor, 7 ft., each.....	2,680.00	2,440.00	2,480.00	2,530.00	2,640.00
Pick-up balers, automatic tie, P.T.O., each <sup>12</sup> .....	8,200.00	8,920.00	9,200.00	9,420.00	9,840.00
<b>Combines, self-propelled:</b>					
Medium capacity, each.....	60,700.00	62,200.00	62,550.00	62,000.00	63,500.00
Large capacity, each.....	84,500.00	86,400.00	86,650.00	85,100.00	83,800.00
Corn picker-huskers, 2-row, each.....	13,000.00	13,700.00	13,800.00	13,700.00	13,400.00
Farm wagons, without box and tires, each.....	979.00	1,030.00	1,060.00	1,060.00	1,070.00
Power sprayers, boom type, tr. mtd., each.....	1,880.00	1,940.00	1,990.00	2,080.00	2,270.00
Electric motors, ½-horsepower, each.....	74.50	75.70	76.90	79.00	82.90
<b>Farm supplies:</b>					
Hammers, nail, 16 oz. head, with handle, each.....	13.10	13.20	13.50	13.20	12.50
Pitchfork, 4-tine, each.....	19.50	20.10	21.00	20.90	20.20
Hoes, 6-inch blade, each <sup>13</sup> .....	10.60	11.00	11.00	11.00	10.30
Metal pails, 12 quarts, each <sup>14</sup> .....	5.27	5.08	5.01	5.30	5.75
Rope, polypropylene, ½-inch, per 100 feet <sup>15</sup> .....	20.20	19.80	19.10	19.40	20.40
Baler twine, per 40-pound bale.....	24.10	21.60	19.00	18.80	18.40
New baskets, round stave, bushel, with cover, per dozen.....	18.60	19.30	20.20	(16)	(16)
<b>Farm services:</b>					
Telephone, per month.....	14.40	15.60	16.40	(16)	(16)
<b>Fertilizer:</b>					
<b>Mixed fertilizer:</b>					
0-20-20, per ton.....	169.00	173.00	160.00	153.00	156.00
3-9-9, per ton.....	168.00	177.00	173.00	168.00	159.00
4-8-12, per ton.....	165.00	173.00	167.00	167.00	158.00
5-10-10, per ton.....	142.00	145.00	138.00	129.00	128.00
5-10-15, per ton.....	149.00	155.00	149.00	141.00	139.00
5-20-20, per ton.....	175.00	182.00	168.00	157.00	158.00
6-24-24, per ton.....	204.00	210.00	191.00	177.00	177.00
10-10-10, per ton.....	157.00	161.00	155.00	145.00	142.00
12-12-12, per ton.....	180.00	182.00	180.00	174.00	170.00
16-20-0, ammonium phosphate, per ton.....	220.00	216.00	219.00	213.00	207.00
18-46-0, per ton.....	247.00	261.00	239.00	219.00	219.00
Nitrate of soda, per ton.....	194.00	196.00	200.00	201.00	203.00
Sulphate of ammonia, per ton.....	148.00	151.00	153.00	150.00	145.00
Ammonium nitrate, per ton.....	185.00	196.00	189.00	172.00	158.00
Superphosphate, 44-46% P <sub>2</sub> O <sub>5</sub> , per ton.....	212.00	222.00	202.00	189.00	194.00
Muriate of potash, 60% K <sub>2</sub> O, per ton.....	140.00	140.00	125.00	110.00	118.00
Agricultural limestone, spread on field, per ton.....	15.90	16.10	16.00	16.00	16.50
<b>Livestock:</b>					
<b>Feeders and stockers:</b>					
Cattle and calves, per 100 pounds.....	61.20	59.20	59.50	58.60	70.40
Pigs (40-60 lbs. av.), per 100 pounds.....	77.00	84.10	83.80	96.60	104.00
Broiler chicks, per 100.....	16.70	17.50	17.50	17.30	18.50
Egg-type chicks, per 100.....	50.40	50.70	50.80	50.70	51.00
Turkey poults, each.....	.928	.946	.957	.951	.929

See footnotes at end of table.

Table 580.—Prices paid by farmers: Prices, by commodities, United States, 1983-87<sup>1 2</sup> —  
Continued

Commodity and unit	1983	1984	1985	1986	1987
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
<b>Feed:</b>					
Cottonseed meal, 41% protein, per 100 pounds.....	14.50	15.10	11.50	11.90	12.80
Soybean meal, 44% protein, per 100 pounds.....	14.30	13.30	10.30	11.40	11.90
Bran, per 100 pounds.....	9.96	10.30	9.50	9.19	8.79
Middlings, per 100 pounds.....	9.56	9.80	8.79	8.25	7.61
Cornmeal, per 100 pounds.....	8.16	8.59	7.29	6.57	6.03
Laying feed, per ton <sup>17</sup> .....	204.00	206.00	182.00	174.00	169.00
Broiler grower, per ton <sup>17</sup> .....	223.00	233.00	197.00	186.00	186.00
Chick starter, per ton <sup>17</sup> .....	228.00	230.00	199.00	187.00	191.00
<b>Dairy feed:</b>					
14 percent protein, per ton.....	174.00	179.00	160.00	151.00	143.00
16 percent protein, per ton.....	188.00	191.00	168.00	160.00	154.00
18 percent protein, per ton.....	200.00	199.00	171.00	170.00	163.00
20 percent protein, per ton.....	203.00	202.00	172.00	173.00	166.00
32 percent protein, per ton.....	279.00	268.00	227.00	242.00	248.00
Stock salt, per 100 pounds.....	6.20	6.35	6.50	6.52	6.57
<b>Seeds:</b>					
Barley, per bushel.....	5.80	6.00	6.03	5.30	4.56
Corn, hybrid, per bushel.....	64.60	70.20	71.80	(1*)	(1*)
Corn, hybrid, 80,000 kernels.....			67.30	65.60	65.10
Oats, per bushel.....	4.82	4.95	4.73	3.96	3.90
Potatoes, per 100 pounds.....	6.90	8.76	8.06	6.98	7.62
Rye, per bushel.....	6.62	6.90	6.80	(1*)	(1*)
Soybeans, per bushel.....	10.10	13.40	11.90	11.10	11.20
Wheat, per bushel.....	7.07	6.94	6.78	6.25	5.66
Grain sorghum, hybrid, per 100 pounds.....	65.30	64.20	66.10	67.10	64.50
Alfalfa, uncertified, per 100 pounds.....	164.00	162.00	156.00	167.00	172.00
Alfalfa, certified, per 100 pounds.....	209.00	220.00	224.00	221.00	221.00
Red clover, per 100 pounds.....	151.00	147.00	128.00	131.00	153.00
Lespedeza, Korean, per 100 pounds.....	72.10	85.70	115.00	92.50	72.20
Sudangrass, per 100 pounds.....	45.00	42.40	43.50	44.40	44.30
Timothy, per 100 pounds.....	67.40	69.60	63.30	74.70	99.80

<sup>1</sup> Prices paid by farmers are collected, for the most part, from retail establishments located in small cities and towns in rural areas.

<sup>2</sup> Family living surveys for food, clothing, and household furnishings were discontinued in 1977.

<sup>3</sup> Pine added to description in 1980.

<sup>4</sup> Latex added to description in 1980.

<sup>5</sup> G78-15 prior to 1981.

<sup>6</sup> 205-15, GR78-15 prior to 1980.

<sup>7</sup> Current coverage includes Chevrolet Cavalier, Ford Tempo, and Plymouth Reliant.

<sup>8</sup> Current coverage includes Chevrolet Celebrity, and Ford LTD. Chevrolet Celebrity and Ford Taurus (beginning Apr. 1986).

<sup>9</sup> Current coverage includes Chevrolet Caprice, Ford Crown Victoria, and Buick LeSabre Limited; includes Chrysler E-Class (beginning Nov. 1983).

<sup>10</sup> Coverage includes Ford and Chevrolet.

<sup>11</sup> Coverage includes Ford, Chevrolet, and Dodge.

<sup>12</sup> "Conventional size bales, under 200 lbs." added in 1976.

<sup>13</sup> Beginning Feb. 1985, changed to 6-inch blade.

<sup>14</sup> Prior to 1980, "Milk Pails."

<sup>15</sup> Prior to 1980, "manila rope, ½ in., per 100 ft."

<sup>16</sup> Discontinued.

<sup>17</sup> Specifications call for "complete feed."

National Agricultural Statistics Service.

**Table 581.—Farm income: Cash receipts from farm marketings, by commodities or commodity groups, United States, 1973-87**

Year	Cattle and calves	Hogs	Sheep and lambs	Dairy products	Chicken eggs	Broilers	Turkeys	Other poultry <sup>1</sup>	Other livestock and products <sup>2</sup>	Total livestock and products <sup>3</sup>
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1973.....	22,336	7,529	390	8,090	2,947	2,739	936	288	517	45,772
1974.....	17,844	6,947	369	9,454	2,854	2,456	679	230	493	41,326
1975.....	17,520	7,916	386	9,923	2,814	2,953	794	250	534	43,089
1976.....	19,294	7,488	393	11,428	3,135	2,918	825	277	565	46,323
1977.....	20,225	7,281	386	11,752	2,919	3,103	910	280	778	47,635
1978.....	28,248	8,754	453	12,724	2,939	3,715	1,156	300	873	59,162
1979.....	35,025	9,058	470	14,642	3,329	4,026	1,216	352	1,117	69,236
1980.....	31,819	8,943	471	16,365	3,247	4,303	1,273	337	1,233	67,991
1981.....	29,538	9,794	416	18,095	3,648	4,646	1,248	407	1,358	69,151
1982.....	29,813	10,659	445	18,234	3,439	4,461	1,255	365	1,586	70,257
1983.....	28,682	9,785	426	18,763	3,451	4,873	1,269	388	1,801	69,438
1984.....	30,662	9,703	466	17,944	4,090	6,018	1,656	461	1,967	72,966
1985.....	29,057	9,029	503	18,063	3,252	5,680	1,819	459	1,979	69,842
1986.....	28,923	9,716	484	17,753	3,508	6,777	1,952	443	1,994	71,548
1987 <sup>4</sup> .....	33,829	10,326	560	17,829	3,177	6,176	1,701	433	2,187	76,218

  

Year	Food grains	Feed crops	Cotton (lint and seed)	Oil-bearing crops	Tobacco	Fruits and tree nuts	Vegetables <sup>5</sup>	Other crops <sup>6</sup>	Total crops <sup>3</sup>
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1973.....	7,194	10,605	2,798	7,580	1,570	3,445	4,351	3,572	41,114
1974.....	8,581	13,935	2,893	9,963	2,097	3,441	5,336	4,820	51,065
1975.....	8,195	12,183	2,311	7,480	2,155	3,563	5,346	4,579	45,813
1976.....	7,112	13,127	3,477	9,443	2,310	3,714	5,231	4,619	49,032
1977.....	6,055	11,906	3,470	9,722	2,331	4,603	5,609	4,903	48,600
1978.....	5,839	11,427	3,538	13,023	2,604	5,764	6,127	4,876	53,198
1979.....	9,047	14,040	4,330	14,300	2,271	6,462	6,480	5,363	62,293
1980.....	10,402	18,308	4,447	15,493	2,672	6,557	7,307	6,560	71,746
1981.....	11,619	17,770	4,055	13,853	3,250	6,603	8,772	6,543	72,465
1982.....	11,412	17,409	4,457	13,817	3,342	6,846	8,063	6,993	72,338
1983.....	9,713	15,535	3,705	13,546	2,752	6,056	8,459	7,365	67,129
1984.....	9,740	15,668	3,674	13,641	2,813	6,737	9,138	8,060	69,469
1985.....	8,993	22,520	3,687	12,474	2,722	6,843	8,558	8,378	74,173
1986.....	5,631	16,982	3,551	10,592	1,918	7,288	8,630	8,962	63,554
1987 <sup>4</sup> .....	5,411	13,061	4,027	10,800	1,827	7,369	9,223	9,658	61,876

<sup>1</sup> Ducks, geese, guineas, pigeons, quail, pheasants, and turkey hatching eggs.

<sup>2</sup> Horses and mules, mohair, honey, beeswax, bees, goats, rabbits, and fur animals.

<sup>3</sup> Totals may not add due to rounding.

<sup>4</sup> Preliminary.

<sup>5</sup> Includes melons.

<sup>6</sup> Sugar crops, greenhouse and nursery products, forest products, legume and grass seeds, hops, mint, broomcorn, popcorn, hem fiber and seeds, and flax fiber.

Economic Research Service.

FOOTNOTES FOR TABLE 576

<sup>1</sup> Fresh market for noncitrus, and fresh market and processing for citrus.

<sup>2</sup> Ratio of Index of Prices Received to the Parity Index; (Index of prices paid by farmers for commodities and services, interest, taxes, and farm wage rates).

<sup>3</sup> Preliminary.

National Agricultural Statistics Service. These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been weighted by average quantities sold during 1971-73. (See table 577 for data on 1977=100 basis.)

Table 582.—Agricultural commodity support prices

Commodity and unit	1973 <sup>2</sup>	1974 <sup>3</sup>	1975 <sup>3</sup>	1976 <sup>3</sup>	1977 <sup>3</sup>	1978 <sup>3</sup>
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
<b>MANDATORY <sup>4</sup></b>						
<b>Basic commodities:</b>						
<b>Corn:</b>						
Support level..... bushel.....	1.64	1.38	1.38	1.57	2.00	2.10
Loan rate..... do.....	1.05	1.10	1.10	1.50	2.00	2.00
<b>Cotton:</b>						
<b>American upland: <sup>5</sup></b>						
Support level..... pound.....	.4152	.3800	.3800	.4320	.4780	.5200
Loan rate..... do.....	.1950	.2526	.3427	.3712	.4258	.4800
<b>Extra-long staple:</b>						
Support level..... do.....	.5421	.6058	.7410	.7475	.7670	.8320
Loan rate..... do.....	.3820	.4972	.6774	.7324	.7670	.8320
Peanuts..... do.....	.1642	.1830	.1972	.2070	.2153	<sup>6</sup> .2100
<b>Rice:</b>						
Support level..... cwt.....				8.25	8.25	8.57
Loan rate..... cwt.....	6.07	7.54	8.52	6.19	6.19	6.40
<b>Wheat:</b>						
Support level..... bushel.....	3.39	2.05	2.05	2.29	<sup>7</sup> 2.90	3.40
Loan rate..... do.....	1.25	1.37	1.87	2.25	2.25	2.85
<b>Tobacco:</b>						
Flue-cured, types 11-14..... pound.....	.766	.833	.932	1.060	1.138	1.210
Fire-cured, types 21-23..... do.....	.535	.582	.652	.741	.795	.846
Burley, type 31..... do.....	.789	.868	.961	1.093	1.173	1.247
Dark air-cured, types 35-36..... do.....	.476	.518	.580	.659	.707	.752
Virginia sun-cured, type 37..... do.....	.476	.518	.580	.659	.707	.752
Cigar filler, Puerto Rican, type 46..... do.....	.410	.446	.499	.567	.609	.647
Cigar binder, types 51-52..... do.....	.546	.594	.665	.756	.812	.863
Ohio filler and Wisconsin binder types 42-44 and 53-55..... do.....	.395	.429	.480	.546	.586	.623
<b>Nonbasic commodities:</b>						
Milk for manufacturing..... cwt.....	5.29	6.57	7.24	8.13	9.00	9.87
Honey, extracted..... pound.....	.161	.206	.255	.294	.327	.368
Mohair..... do.....	.802	.802	.802	.802	1.498	1.647
Tung nuts..... ton.....	74.75	80.60	79.95	80.00		
Wool..... pound.....	.72	.72	.72	.72	.99	1.08
<b>Barley: <sup>8</sup></b>						
Support level..... bushel.....	1.27	1.13	1.13	1.28	1.39	2.25
Loan rate..... do.....	.86	.90	.90	1.22	1.63	1.63
<b>Sorghum grain: <sup>8</sup></b>						
Support level..... cwt.....	2.61	2.34	2.34	2.66	2.89	4.07
Loan rate..... cwt.....	1.79	1.88	1.88	2.55	2.70	3.39
<b>Oats: <sup>8</sup></b>						
Support level..... bushel.....						
Loan rate..... do.....	.54	.54	.54	.72	1.03	1.03
Rye <sup>8</sup> ..... do.....	.89	.89	.89	1.20	1.70	1.70
<b>NONMANDATORY</b>						
<b>Nonbasic commodities:</b>						
Beans, dry edible..... cwt.....	6.40	6.40	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
Cottonseed <sup>10</sup> ..... ton.....	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
Flaxseed..... bushel.....	2.50	2.50	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	4.50
Soybeans..... do.....	2.25	2.25	( <sup>9</sup> )	2.50	3.50	4.50
Sugar, raw..... pound.....					1350	1473

<sup>1</sup> National averages during the marketing years for the individual crops, beginning in the years shown.

<sup>2</sup> Support level represents the average loan rate plus any direct price-support payment (or in the case of wheat the value of the domestic marketing certificate) received by participants in the program for the commodity. The basis of such payments varies among the crops and from year to year.

<sup>3</sup> Support level for 1974 through 1987 represents the statutory established price (the so-called target price) except for extra-long staple cotton which began in 1984.

<sup>4</sup> Commodities grouped under "Mandatory" are those which the Commodity Credit Corporation is required by law to support.

<sup>5</sup> 1-inch middling through 1973, 1½ strict low middling 1974 and subsequent years.

per unit, United States, 1973-88 <sup>1</sup>

1979 <sup>a</sup>	1980 <sup>a</sup>	1981 <sup>a</sup>	1982 <sup>a</sup>	1983 <sup>a</sup>	1984 <sup>a</sup>	1985 <sup>a</sup>	1986 <sup>a</sup>	1987 <sup>a</sup>	1988 <sup>a</sup>
Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
2.20	2.35	2.40	2.70	2.86	3.03	3.03	3.03	3.03	2.93
2.00	2.25	2.40	2.55	2.65	2.55	2.55	1.92	1.82	1.77
.5770	.5840	.7087	.7100	.7600	.8100	.8100	.8100	.7940	.7590
.5023	.4800	.5246	.5708	.5500	.5500	.5730	.5500	.5225	.5180
.9295	.9350	.9900	.9989	.9625	.9900	1.0314	1.0248	.9770	.9570
.9295	.9350	.9900	.9989	.9625	.8250	.8595	.8540	.8140	.8092
*.2100	*.2275	*.2275	*.2750	*.2750	*.2750	*.2795	*.3037	*.3037	*.3076
9.05	9.49	10.68	10.85	11.40	11.90	11.90	11.90	11.66	11.15
6.79	7.12	8.01	8.14	8.14	8.00	8.00	7.20	6.84	6.63
3.40	3.63	3.81	4.05	4.30	4.38	4.38	4.38	4.38	4.23
2.50	3.00	3.20	3.55	3.65	3.30	3.30	2.40	2.28	2.21
1.293	1.415	1.587	1.699	1.699	1.699	1.699	1.438	1.435	1.442
.903	.989	1.110	1.230	1.230	1.230	1.230	1.242	1.238	n.a.
1.333	1.459	1.636	1.751	1.751	1.751	1.488	1.488	1.488	1.500
.804	.880	.987	1.057	1.057	1.057	1.047	1.058	1.054	n.a.
.804	.880	.987	1.094	1.094	1.094	1.094	1.060	1.056	n.a.
.692	.757	.849	.909	.909	.740	.740	.750	.747	n.a.
.923	1.010	1.133	1.212	1.212	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
.667	.729	.818	.907	.907	.907	.907	.916	.914	n.a.
11.49	13.10	13.10	13.10	13.10	12.60	11.60	11.60	11.10	10.60
.439	.503	.574	.604	.622	.658	.653	.640	.630	.591
1.943	2.903	3.718	3.980	4.63	5.17	4.43	4.93	4.95	4.69
1.15	1.23	1.35	1.37	1.53	1.65	1.65	1.78	1.81	1.78
2.40	2.55	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.51
1.71	1.83	1.95	2.08	2.16	2.08	2.08	1.56	1.49	1.44
4.11	4.46	4.55	4.64	4.86	5.14	5.14	5.14	5.14	4.96
3.57	3.82	4.07	4.32	4.50	4.32	4.32	3.25	3.11	3.00
1.08	1.16	1.24	* 1.50	1.60	1.60	1.60	1.60	1.60	1.55
1.79	1.91	2.04	1.31	1.36	1.31	1.31	.99	.94	.90
( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
4.50	4.50	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
4.50	5.02	5.02	5.02	5.02	5.02	5.02	4.77	4.77	n.a.
.1300	( <sup>9</sup> )	( <sup>9</sup> )	.1700	.1750	.1775	.1800	.1800	.1800	.1800

<sup>6</sup> For quota portion of crop.

<sup>7</sup> Target level for wheat planted within allotment was \$2.90; target level of \$2.47 for unplanted allotment acreage.

<sup>8</sup> Grade No. 2 or better except for oats which is Grade No. 3. Oats target or price support level began in 1982.

<sup>9</sup> No support program.

<sup>10</sup> For ginners purchases from producers, basis Grade 100, plus appropriate differentials to reflect ginners' normal handling costs.

n.a. not available.

Agricultural Stabilization and Conservation Service.

Table 583.—Farm income: Gross and net income from farming, United States, 1973-87

Year	Gross income									Production expenses	Net income of farm operators	
	Cash receipts			Nonmoney and other farm income					Total		Current dollars	1982/84 dollars
	Farm marketings <sup>1</sup>	Government payments	Total	Home consumption	Imputed rent	Other farm income <sup>2</sup>	Change in inventory	Total				
Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	
1973 .....	86,886	2,607	89,493	1,115	4,147	749	3,406	9,417	98,910	64,554	34,357	77,381
1974 .....	92,391	530	92,921	1,190	4,942	805	-1,611	5,326	98,247	70,980	27,266	55,306
1975 .....	88,902	807	89,709	1,129	5,355	998	3,399	10,881	100,590	75,043	25,547	47,485
1976 .....	95,355	734	96,089	1,182	6,115	1,079	-1,548	6,828	102,917	82,742	20,176	35,459
1977 .....	96,235	1,818	98,053	1,161	7,250	1,222	1,080	10,713	108,766	88,885	19,882	32,809
1978 .....	112,360	3,030	115,390	1,215	8,057	1,893	1,892	13,057	128,447	103,249	25,197	38,646
1979 .....	131,529	1,376	132,905	1,346	9,256	2,238	4,975	17,815	150,720	123,305	27,416	37,763
1980 .....	139,737	1,285	141,022	1,233	11,045	2,273	-6,300	8,251	149,273	133,139	16,134	19,580
1981 .....	141,616	1,933	143,549	1,214	12,597	2,475	6,488	22,774	166,323	139,444	26,879	29,570
1982 .....	142,595	3,492	146,087	1,146	13,121	4,533	-1,382	17,418	163,505	139,978	23,525	24,378
1983 .....	136,567	9,296	145,863	1,073	12,468	4,500	-10,851	7,190	153,053	140,375	12,676	12,727
1984 .....	142,435	8,431	150,866	1,063	12,317	4,383	6,258	24,021	174,887	142,669	32,218	31,009
1985 .....	144,015	7,705	151,720	927	10,917	5,042	-2,357	14,529	166,249	133,957	32,292	30,011
1986 .....	135,102	11,814	146,916	888	9,740	5,107	-2,818	12,917	159,833	122,336	37,498	34,214
1987 <sup>3</sup> .....	138,094	16,747	154,841	854	9,136	5,556	-622	14,924	169,765	123,502	46,263	40,724

<sup>1</sup> Excludes forest product sales starting with 1973 data.<sup>2</sup> Includes forest product sales starting with 1978 data.<sup>3</sup> Preliminary.

Economic Research Service.

Table 584.—Farm income: Cash receipts from farming and value of home consumption, by States, 1987 (preliminary)

State	Cash receipts from farming				Value of home consumption <sup>1</sup>			Cash receipts from farming and value of home consumption	
	Farm marketings			Government payment	Total	Livestock and products	Crops		Total
	Livestock and products	Crops	Total						
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	
AL.....	1,559,653	588,402	2,148,055	125,228	2,273,283	13,781	3,755	17,536	2,290,819
AK.....	10,685	18,749	29,434	2,378	31,812	825	51	876	32,688
AZ.....	774,110	1,006,660	1,780,770	97,338	1,878,108	5,945	644	6,589	1,884,697
AR.....	2,116,476	1,026,918	3,143,394	397,644	3,541,038	9,945	3,755	13,700	3,554,738
CA.....	4,740,981	10,780,851	15,521,832	462,011	15,983,843	23,111	5,901	29,012	16,012,855
CO.....	2,321,104	870,342	3,191,446	341,991	3,533,437	10,143	2,054	12,197	3,545,634
CT.....	195,780	170,053	365,833	4,517	370,350	1,897	284	2,181	377,531
DE.....	370,322	114,229	484,551	12,176	496,727	1,675	238	1,913	498,640
FL.....	1,101,730	4,125,268	5,226,998	42,532	5,269,530	4,206	2,989	7,195	5,276,725
GA.....	1,826,053	1,260,834	3,086,887	245,184	3,332,071	5,770	3,679	9,449	3,341,520
HI.....	87,973	470,529	558,502	377	558,879	2,597	322	2,919	561,798
ID.....	926,475	1,120,047	2,046,522	234,373	2,280,895	10,432	1,763	12,195	2,293,090
IL.....	2,261,845	3,912,632	6,174,477	1,477,640	7,652,117	23,575	6,438	30,013	7,682,130
IN.....	1,856,250	2,016,113	3,872,363	670,244	4,542,607	21,701	5,518	27,219	4,569,826
IA.....	5,270,416	3,509,853	8,780,269	1,987,685	10,767,954	25,086	8,200	33,286	10,801,249
KS.....	3,914,297	1,807,212	5,721,509	966,320	6,687,829	14,322	5,365	19,687	6,707,516
KY.....	1,505,707	912,904	2,418,611	178,338	2,596,949	23,485	7,587	31,072	2,628,021
LA.....	250,531	899,176	1,149,707	209,299	1,629,006	8,750	2,759	11,509	1,640,515
ME.....	243,325	169,933	413,258	8,110	421,368	3,628	598	4,226	425,594
MD.....	734,210	398,589	1,127,799	48,963	1,176,762	5,989	1,303	7,292	1,184,054
MA.....	124,268	268,388	392,656	4,833	397,489	2,083	460	2,543	400,032
MI.....	1,285,179	1,218,705	2,503,884	391,143	2,895,027	15,787	4,445	20,232	2,915,259
MN.....	3,644,652	2,164,613	5,809,265	1,193,845	7,003,110	27,670	7,051	34,721	7,037,831
MS.....	1,040,150	938,877	1,979,027	302,538	2,281,565	11,116	3,449	14,565	2,296,130
MO.....	2,173,329	1,517,275	3,690,604	489,800	4,180,404	29,536	8,737	38,273	4,218,677
MT.....	760,269	587,140	1,347,409	352,330	1,699,739	10,786	1,786	12,572	1,712,311
NE.....	4,847,955	1,975,098	6,823,053	1,274,843	8,097,896	15,720	4,292	20,012	8,117,908
NV.....	167,393	75,787	243,180	3,887	247,067	3,291	184	3,475	250,542
NH.....	65,962	37,915	103,877	2,808	106,685	1,564	245	1,809	108,494
NJ.....	139,678	423,285	562,963	11,886	574,349	1,825	582	2,407	576,756
NM.....	816,741	330,520	1,147,261	93,346	1,240,607	7,858	1,035	8,893	1,249,500
NY.....	1,800,193	726,307	2,526,500	109,304	2,635,804	18,448	3,104	21,552	2,657,356
NC.....	2,081,057	1,634,183	3,715,190	190,172	3,905,362	22,900	5,518	28,418	3,933,780
ND.....	759,708	1,548,394	2,308,102	719,783	3,027,885	9,804	2,491	12,295	3,040,180
OH.....	1,614,110	1,807,664	3,421,774	431,877	3,853,651	24,979	6,438	31,417	3,885,068
OK.....	2,052,402	699,817	2,752,219	362,769	3,114,988	29,221	5,365	34,586	3,149,574
OR.....	655,216	1,205,524	1,860,740	127,438	1,988,178	23,373	2,836	26,209	2,014,387
PA.....	2,319,173	905,047	3,224,220	71,766	3,295,986	30,454	4,330	34,784	3,330,770
RI.....	11,919	63,386	75,305	119	75,424	636	57	693	76,117
SC.....	460,966	470,189	931,155	114,086	1,045,241	10,317	1,993	12,310	1,057,551
SD.....	1,909,696	812,952	2,722,648	504,827	3,227,475	13,407	2,682	16,089	3,243,564
TN.....	1,106,790	825,905	1,932,695	156,745	2,089,440	22,951	7,357	30,308	2,119,748
TX.....	6,059,064	3,027,418	9,086,482	1,441,175	10,527,657	34,051	12,262	46,313	10,573,970
UT.....	462,471	133,612	596,083	44,513	640,596	6,543	1,042	7,585	648,181
VT.....	376,903	35,475	412,378	7,067	419,445	5,398	552	5,950	425,395
VA.....	1,244,029	448,150	1,692,179	87,285	1,779,464	14,544	3,832	18,376	1,797,840
WA.....	981,852	1,859,572	2,841,424	292,170	3,133,594	27,792	2,836	30,628	3,164,222
WV.....	168,959	51,978	220,937	10,584	231,521	8,218	1,609	9,827	241,348
WI.....	4,221,897	795,086	5,016,983	405,969	5,422,952	36,217	6,131	42,348	5,465,300
WY.....	528,396	113,600	641,996	35,976	677,972	3,960	667	4,627	682,599
US.....	76,218,300	61,876,106	138,094,406	16,746,732	154,841,138	687,312	166,571	853,883	155,695,021

<sup>1</sup> Value of farm products consumed directly in farm households where produced. Economic Research Service.

Table 585.—Expenses: Farm production expenses, United States, 1973-87

Year	Feed purchased	Live-stock and poultry purchased	Seed purchased <sup>1</sup>	Fertilizer, lime, and pesticides	Petroleum fuel and oils <sup>2</sup>	Depreciation and other consumption of farm capital <sup>3</sup>	Contract and hired labor <sup>4</sup>	Taxes on farm property <sup>5</sup>	Interest on farm mortgage debt <sup>6</sup>	Net rent to non-operator landlords <sup>7</sup>	Miscellaneous <sup>8</sup>	Total production expenses
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1973.....	13,224	8,065	1,617	4,917	1,877	8,946	5,154	2,886	2,385	4,780	10,702	64,554
1974.....	14,513	5,181	1,941	7,566	2,690	10,540	6,075	3,096	2,833	4,102	12,493	70,980
1975.....	12,907	4,954	2,138	8,443	3,318	12,354	6,586	3,198	3,317	4,024	13,809	75,043
1976.....	14,370	5,884	2,366	8,576	3,966	13,778	7,510	3,491	3,785	3,465	15,551	82,742
1977.....	13,967	7,072	2,484	8,467	4,356	15,493	7,953	3,660	4,329	3,412	17,691	88,885
1978.....	16,036	10,150	2,638	9,276	4,609	16,963	8,279	3,603	5,060	3,963	22,672	103,249
1979.....	19,314	13,012	2,904	10,805	5,635	19,345	8,981	3,871	6,190	6,182	27,066	123,305
1980.....	20,971	10,670	3,220	13,030	7,879	21,474	9,293	3,891	7,544	6,075	29,092	133,139
1981.....	20,855	8,999	3,428	13,610	8,570	23,573	8,931	4,246	9,142	6,184	31,906	139,444
1982.....	18,592	9,684	3,172	12,300	7,888	24,287	10,075	4,036	10,481	6,059	33,405	139,978
1983.....	21,725	8,814	2,993	11,221	7,503	23,873	9,725	4,469	10,815	5,060	34,179	140,375
1984.....	19,852	9,498	3,448	12,196	7,143	23,105	9,729	4,059	10,733	8,640	34,266	142,669
1985.....	18,015	8,958	3,350	12,252	6,584	20,847	9,799	4,231	9,878	8,158	31,884	133,957
1986.....	16,179	9,744	2,984	10,271	4,790	18,916	9,879	4,125	9,131	6,698	29,618	122,336
1987 <sup>9</sup> .....	16,093	12,014	3,009	9,980	4,442	17,348	10,747	4,345	8,202	6,987	30,334	123,502

<sup>1</sup> Includes bulbs, plants, and trees. <sup>2</sup> For farm business use only. <sup>3</sup> Estimated outlay necessary, at current prices, for the replacement of capital equipment that has been used up during the year. <sup>4</sup> Includes contract labor expenses and hired labor cash wages, perquisites, and Social Security taxes paid by employers. <sup>5</sup> Includes taxes levied against farm real estate and farm personal property. <sup>6</sup> Interest charges payable during the calendar year on outstanding farm-mortgage debt. <sup>7</sup> Different data sources were used for the three time periods 1978 and previous years, 1973-1983, and 1984-1985. Estimates are not strictly compatible among the three periods. <sup>8</sup> For 1978 and later years, includes interest on nonreal estate debt; electricity; repairs and maintenance of farm buildings, motor vehicles, and other farm machinery; other land improvements; machine hire and custom work; marketing, storage and transportation of all crops, livestock, poultry and dairy products; other miscellaneous livestock purchases; livestock rental fees; health and breeding services and supplies, custom feeding and grazing; production fees; farm supplies; tools and shop equipment; net insurance; uninsured damages paid; motor vehicle registration and licensing fees; and other management expenses. Prior to 1978, includes interest on nonreal estate debt; electricity; repairs and maintenance of farm buildings, motor vehicles, and other farm machinery; other land improvements; machine hire and custom work; fruit and vegetable containers; cotton ginning; livestock marketing; milk hauling; binding materials; dairy supplies; net Federal Crop Insurance Corporation payments; greenhouse and nursery; grazing; harness and saddlery; small hand tools; telephones; veterinarian fees; dairy assessment fees; net insurance; motor vehicle registration and licensing fees; and other miscellaneous expenses. Estimates are not strictly compatible between the two periods. <sup>9</sup> Preliminary.

Economic Research Service.

Table 586.—Labor: Hours required for livestock and crop production, by enterprise groups, United States, 1973-86<sup>1</sup>

Year	Livestock and livestock products				Crops									
	All <sup>2</sup>	Meat animals <sup>3</sup>	Milk cows	Poultry <sup>4</sup>	All crops <sup>5</sup>	Feed grains <sup>6</sup>	Hay and forage <sup>7</sup>	Food grains <sup>8</sup>	Vegetables <sup>9</sup>	Fruits and nuts <sup>10</sup>	Sugar crops <sup>11</sup>	Cotton	To-bacco	Oil crops <sup>12</sup>
	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.	Mil.
1973.....	1,964	850	661	300	2,667	386	310	178	351	477	69	188	245	234
1974.....	1,850	812	612	274	2,657	369	298	212	357	470	66	183	261	211
1975.....	1,701	731	568	251	2,630	377	287	222	355	472	77	105	286	219
1976.....	1,613	693	530	240	2,556	376	285	226	339	448	73	111	271	197
1977.....	1,522	653	491	229	2,530	372	271	207	342	469	65	105	245	224
1978.....	1,422	606	446	222	2,449	359	263	185	337	452	64	80	239	240
1979.....	1,348	574	408	220	2,432	345	254	195	356	472	60	80	200	261
1980.....	1,286	548	381	211	2,442	338	243	215	315	495	60	81	213	247
1981.....	1,212	509	355	203	2,442	341	236	233	317	484	62	79	227	233
1982.....	1,143	477	328	194	2,369	335	230	221	330	460	57	59	208	239
1983.....	1,082	456	301	181	2,135	259	222	184	308	449	57	40	174	212
1984.....	1,008	432	257	175	2,266	325	219	191	342	457	57	55	172	218
1985.....	955	408	234	171	2,170	333	213	175	340	429	58	51	146	196
1986 <sup>13</sup> .....	911	384	217	167	2,074	304	206	163	325	429	61	45	123	188

<sup>1</sup> Does not include overhead labor hours. <sup>2</sup> Includes wool and minor livestock which are excluded from separate enterprises shown. <sup>3</sup> Cattle and calves, sheep and lambs, and hogs. <sup>4</sup> Chickens, broilers, and turkeys. <sup>5</sup> Includes hay seeds, pasture seeds, cover-crop seeds, and minor crops which are excluded from separate crops shown. <sup>6</sup> Corn for grain, oats, barley, and sorghum grain. <sup>7</sup> All hay, corn silage, and sorghum forage and silage. <sup>8</sup> All wheat, rye, and rice. <sup>9</sup> Potatoes, sweetpotatoes, dry edible beans, dry field peas, and truck crops. <sup>10</sup> Fruits, berries, and tree nuts. <sup>11</sup> Sugarbeets, sugarcane for sugar and seed, sugarcane sirup, and maple products. <sup>12</sup> Soybeans, peanuts, and flaxseed. <sup>13</sup> Series discontinued, last year of data.

Economic Research Service.



**Table 587.—Farm family income: Number of farm families and percentage distribution by size of total money income, United States, 1973-78 <sup>1</sup>**

Year	Number <sup>2</sup>	Less than \$1,000	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$4,999	\$5,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median income
	Thousands	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Dollars
1973.....	2,542	2.6	3.5	3.9	11.6	12.4	15.8	22.0	19.4	8.9	10,045
1974.....	2,392	7.2		4.0	9.0	11.2	15.4	20.5	22.0	10.7	10,612
1975.....	2,200	5.5		3.9	11.0	9.9	16.2	19.9	22.2	11.4	10,845
1976.....	2,184	6.7		2.9	8.6	9.8	14.1	19.5	23.5	14.9	11,663
1977.....	2,172	8.3		2.2	7.7	9.3	11.5	19.0	24.2	17.8	12,637
1978.....	2,051	5.4		2.1	5.0	7.6	10.5	18.2	28.3	23.0	15,284

**Farm family income: Number of farm families and percentage distribution by size of total money income, United States, 1979-87 <sup>1</sup>**

Year	Number <sup>3</sup>	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$29,999	\$30,000 to \$39,999	\$40,000 or more	Median income
	Thousands	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Dollars
1979.....	1,666	5.0	5.6	8.0	8.5	18.7	14.4	11.0	8.4	9.8	10.6	16,357
1980.....	1,631	7.3	4.4	9.8	9.1	17.4	13.0	12.4	8.8	9.0	8.8	17,670
1981.....	1,598	9.4	4.3	6.3	7.0	17.8	12.4	13.6	8.0	10.6	10.6	18,306
1982.....	1,617	7.5	3.7	5.9	7.8	14.0	14.1	13.5	9.1	13.8	10.6	19,903
1983.....	1,558	7.8	3.9	5.7	5.8	16.3	13.5	12.0	8.9	11.9	14.2	20,681
1984.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
1985.....	1,562	7.3	3.1	3.7	5.9	13.6	12.1	9.4	10.5	15.4	19.0	21,853
1986.....	1,448	4.9	3.2	4.4	4.6	12.1	11.7	13.0	10.3	14.5	21.6	23,326
1987.....	1,428	2.4	2.0	2.9	3.6	11.4	11.1	14.3	10.7	15.1	26.5	26,016

<sup>1</sup> The term "family" refers to a group of two or more persons related by blood, marriage, or adoption and residing together; all such persons are considered as members of the same family. Thus, if the son of the head of the household and son's wife are in the household, they are treated as part of the head's family. Total money income includes net income from farm and nonfarm self-employment, wages and salaries, dividends and interest, Social Security and other pensions, and welfare.

<sup>2</sup> The term "farm resident" is the same as that used in the 1960 and 1970 censuses.

<sup>3</sup> The term "farm resident" is the same as that used in the 1980 census.

<sup>4</sup> Data not available from the Bureau of the Census.

Economic Research Service. Estimates are from the annual issue of *Money Income and Poverty Status of Families and Persons in the United States*. Bureau of the Census.

**Table 588.—Fertilizers: Quantities of commercial fertilizers consumed and their average primary plant-nutrient content, United States, 1973-85<sup>1</sup>**

Year ending June 30	Mixed fertilizers				All fertilizers containing primary nutrients				Other fertiliz- ers <sup>2</sup>
	Quantity	Nitrogen (N)	Available phosphor- ic oxide (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	Quantity	Nitrogen (N)	Available phosphor- ic oxide (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	Quantity
	<i>1,000 tons</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>1,000 tons</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>1,000 tons</i>
1973.....	22,547	10.21	18.79	12.76	41,822	19.83	12.16	11.12	1,466
1974.....	24,067	10.10	17.75	12.66	44,964	20.37	11.34	11.30	2,130
1975.....	20,647	10.16	17.99	12.50	40,606	21.18	11.10	10.97	1,878
1976.....	22,958	10.53	19.29	12.52	46,893	22.20	11.15	11.11	2,296
1977.....	24,099	10.58	19.87	12.78	49,099	21.69	11.47	11.88	2,525
1978.....	22,110	10.74	19.63	12.79	45,621	21.82	11.16	12.10	1,877
1979.....	23,742	10.84	20.09	12.84	49,342	21.72	11.36	12.66	2,139
1980.....	23,270	10.79	19.61	13.06	50,491	22.59	10.76	12.37	2,296
1981.....	23,525	10.99	20.13	12.75	51,761	23.04	10.50	12.21	2,227
1982.....	20,857	11.23	20.39	12.37	46,911	23.41	10.26	12.00	1,758
1983.....	18,352	11.52	19.96	12.30	40,203	22.70	10.29	12.02	1,610
1984.....	21,174	11.59	20.52	12.20	48,102	23.06	10.19	12.05	1,954
1985 <sup>3</sup> .....	19,501	11.80	21.18	11.43	47,179	24.38	9.84	11.68	1,829

<sup>1</sup> Includes Alaska, District of Columbia, Hawaii, and Puerto Rico. Includes fertilizers distributed by Government agencies.

<sup>2</sup> Products that do not contain primary nutrients. Includes gypsum, but not liming materials.

<sup>3</sup> Last year of series. Fertilizer consumption statistics discontinued.

National Agricultural Statistics Service.

**Table 589.—Pesticides: Inorganic materials for formulation or manufacture and shipments to agriculture, United States, 1977-86**

Item	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Used in pesticide formulation:										
Talc, soapstone, and pyrophyllite.....	<i>Tons</i> 22,664	<i>Tons</i> 40,000	<i>Tons</i> 46,000	<i>Tons</i> 39,000	<i>Tons</i> 42,000	<i>Tons</i> 26,000	<i>Tons</i> 17,000	<i>Tons</i> 22,000	<i>Tons</i> 19,000	<i>Tons</i> 18,000
Fuller's earth.....	195,180	181,008	199,296	180,594	184,218	167,537	153,589	216,423	256,812	163,989
Kaolin.....	22,312	33,052	46,056	48,834	80,661	29,945	17,678	42,281	67,812	20,778
Bentonite.....	5,000	4,755	4,190	5,945	3,378	5,097	7,788	6,802	1,132	5,377
Other clays.....	15,450	15,666	732	898	10,763	( <sup>1</sup> )	( <sup>1</sup> )	9,320	5,144	3,948
Used in manufacture:										
Mercury.....	22	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Shipments to agriculture:										
Copper sulfate.....	16,487	12,096	13,403	15,593	22,704	14,707	18,566	21,896	16,226	24,030
Zinc sulfate (dry basis) ..	4,489	5,705	8,264	12,397	13,807	13,341	13,113	12,573	15,083	20,520

<sup>1</sup> Not available.

Agricultural Stabilization and Conservation Service. Based on data reported by the U.S. Department of the Interior.

**Table 590.—Pesticides (insecticides, fungicides, and weed killers): Production and foreign trade, United States, 1980–86**

Item	1980	1981	1982	1983	1984	1985	1986
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
<b>PRODUCTION</b>							
Copper sulfate .....	68,365	78,564	71,048	82,673	76,851	72,179	( <sup>1</sup> )
2,4-D acid .....	13,589	12,916	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other organic pesticides .....	1,454,613	1,417,159	1,112,798	1,016,544	1,189,169	1,234,914	1,180,042
<b>IMPORTS</b>							
Pyrethrum flowers .....	342	209	413	244	163	407	693
Pyrethrum extract .....	383	151	431	283	326	356	274
Rotenone-bearing roots .....	1,323	1,109	686	1,122	1,105	619	619
<b>EXPORTS</b>							
Fungicides <sup>2</sup> .....	90,375	79,422	88,258	81,360	102,960	101,086	104,088
2,4-D and 2,4,5-T, acid basis <sup>3</sup> .....	7,528	6,314	12,738	10,252	15,677	14,860	14,897
Other herbicides .....	251,079	213,954	209,987	217,602	277,340	378,972	276,118
DDT .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other polychlor insecticides .....	65,639	35,452	20,264	16,599	12,086	12,855	( <sup>1</sup> )
Organophosphorus insecticides .....	105,335	70,114	74,097	75,117	81,345	78,819	( <sup>1</sup> )
Other agricultural insecticides .....	88,159	87,859	83,702	77,021	95,067	87,728	( <sup>1</sup> )
Fumigants .....	17,991	14,368	13,550	15,254	15,812	22,244	( <sup>1</sup> )
Disinfectants, deodorants, and germicides. Household and industrial insecticides, re- pellents, and rodenticides .....	13,167	7,424	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
	7,741	5,903	5,438	5,482	5,276	4,524	( <sup>1</sup> )

<sup>1</sup> Not available.

<sup>2</sup> Includes copper sulfate and agricultural sulfur, which were previously listed separately.

<sup>3</sup> Preparations containing 2,4-D and 2,4,5-T included in "Other herbicides."

Agricultural Stabilization and Conservation Service. Based on data reported by the U.S. Department of Commerce, the International Trade Commission, and the U.S. Department of the Interior.

## CHAPTER X

# TAXES, INSURANCE, CREDIT, AND COOPERATIVES

The statistics in this chapter deal with taxes, insurance, agricultural credit, and farm cooperatives. Some of the series were developed in connection with research activities of the Department, while others, such as data from agricultural credit agencies, are primarily records of operations.

**Table 591.—Taxes levied on farm real estate: Amount, amount per acre, index numbers of amount per acre, United States, 1973-87**

Year	Farm real estate		
	Amount	Taxes per acre	
		Amount	Index
	<i>Million dollars</i>	<i>Dollars</i>	<i>1977=100</i>
1973.....	2,450.1	2.56	77
1974.....	2,584.9	2.70	81
1975.....	2,634.8	2.90	87
1976.....	2,849.2	3.15	94
1977.....	3,016.4	3.34	100
1978.....	3,004.7	3.34	100
1979.....	3,215.0	3.58	107
1980.....	3,450.9	3.85	115
1981.....	3,695.5	4.12	123
1982.....	3,704.2	4.14	124
1983.....	3,884.8	4.32	129
1984 <sup>1</sup> .....	3,926.0	4.40	132
1985 <sup>1</sup> .....	3,962.0	4.44	133
1986 <sup>1</sup> .....	4,004.9	4.49	134
1987 <sup>1</sup> .....	4,055.5	4.54	136

<sup>1</sup> Preliminary.

Economic Research Service.

Table 592.—Taxes levied on farm real estate: Amount levied on farm real estate, amount per acre, index numbers of amount per acre, and amount per \$100 of full value, by States, 1985 and 1986 <sup>1</sup>

State	Amount levied on farm real estate		Taxes per acre				Taxes per \$100 of full value	
	1985	1986	Amount		Index		1985	1986
			1985	1986	1985	1986		
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1977=100</i>	<i>1977=100</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	12.4	12.4	1.14	1.14	200	200	0.15	0.15
AK.....	4	4	4.67	4.76	88	90	.49	.49
AZ.....	26.8	28.2	2.61	2.74	112	118	.48	.62
AR.....	37.0	38.1	2.61	2.69	145	149	.81	.38
CA.....	204.5	204.5	7.58	7.58	62	62	.42	.47
CO.....	58.3	56.4	1.92	1.86	152	147	.43	.50
CT.....	9.9	10.3	24.84	26.08	138	150	.77	.70
DE.....	1.3	1.3	2.14	2.16	115	116	.13	.12
FL.....	85.3	93.0	6.97	7.60	135	147	.46	.53
GA.....	63.7	67.5	4.44	4.71	150	159	.51	.57
HI.....	21.2	20.8	10.16	9.99	170	167	.73	.72
ID.....	39.6	42.0	3.43	3.64	120	127	.40	.49
IL.....	369.8	362.3	12.88	12.62	118	116	.98	1.10
IN.....	160.3	168.3	9.58	10.06	185	194	.76	.95
IA.....	271.7	271.7	8.57	8.57	107	107	.81	1.02
KS.....	160.8	162.2	3.39	3.42	128	129	.73	.88
KY.....	30.0	30.0	2.16	2.16	105	105	.24	.25
LA.....	19.8	19.8	2.21	2.21	165	165	.18	.22
ME.....	11.2	12.3	7.50	8.25	166	183	.88	.83
MD.....	22.4	24.0	8.59	9.19	131	140	.41	.49
MA.....	12.2	13.4	22.98	25.28	116	128	.97	.92
MI.....	240.5	226.0	23.96	22.52	213	200	2.28	2.41
MN.....	144.3	138.4	5.17	4.96	139	133	.63	.81
MS.....	28.1	29.3	2.14	2.23	163	170	.26	.30
MO.....	77.9	77.8	2.64	2.64	98	98	.40	.44
MT.....	63.4	65.9	1.26	1.31	143	149	.53	.61
NE.....	272.6	272.6	6.13	6.13	189	189	1.36	1.64
NV.....	3.0	3.1	.50	.52	64	67	.24	.23
NH.....	6.7	7.0	12.89	13.53	176	185	.91	.82
NJ.....	24.2	24.0	25.89	25.63	143	142	.73	.65
NM.....	6.4	6.4	.20	.20	77	78	.12	.16
NY.....	162.2	170.4	18.72	19.66	174	183	2.32	2.27
NC.....	51.6	53.7	4.94	5.14	174	181	.40	.45
ND.....	94.5	96.5	2.35	2.40	135	138	.63	.73
OH.....	129.9	130.0	8.59	8.59	118	118	.76	.85
OK.....	58.0	59.9	1.87	1.93	140	144	.33	.40
OR.....	62.7	64.0	3.81	3.89	125	128	.62	.85
PA.....	93.2	97.9	12.54	13.17	158	166	.83	.91
RI.....	2.8	3.0	45.33	48.50	188	201	1.36	1.25
SC.....	14.1	14.1	2.56	2.56	139	139	.28	.29
SD.....	108.7	111.0	2.84	2.90	146	149	1.02	1.22
TN.....	46.4	48.8	3.73	3.92	152	160	.38	.40
TX.....	236.9	248.6	1.83	1.92	137	144	.28	.35
UT.....	15.4	15.7	2.10	2.14	133	136	.31	.34
VT.....	16.6	17.5	10.58	11.11	168	176	1.04	.94
VA.....	41.5	41.5	4.57	4.57	152	152	.42	.40
WA.....	59.3	59.8	4.39	4.43	118	119	.44	.49
WV.....	3.4	3.4	.94	.94	129	129	.17	.18
WI.....	274.0	274.0	16.26	16.26	188	188	1.92	2.29
WY.....	18.0	18.0	.72	.72	138	138	.33	.38
US.....	3,962.0	4,004.0	4.44	4.49	133	134	.62	.71

<sup>1</sup> Totals may not add due to rounding.  
Economic Research Service.

Table 593.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948-87

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drainage)	Frost freeze, (other cold damage)	Flood	Cy-clone, tornado, wind, hot wind	Insects	Dis-ease	All others
		Percent	Percent	Percent	Per-cent	Percent	Per-cent	Per-cent	Per-cent	Percent
Almonds.....	1981-87	0.5	1.8	56.4	37.3	0.1	2.2			1.7
Apples.....	1956-87	4.3	19.6	.2	70.9	.1	2.2			2.0
Barley.....	1956-87	63.9	10.6	8.9	3.3	.7	1.7	7.8	0.6	1.3
Bean, dry edible.....	1948-87	14.3	30.6	15.5	13.1	3.3	2.7	.6	10.6	1.5
Cherry, red tart.....	1963-87		7.7		88.9		3.2			.2
Citrus.....	1951-87	.5	.6	.1	96.0		1.5			1.1
Corn.....	1948-87	62.3	8.6	12.9	4.5	3.2	3.3	1.1	1.2	1.7
Cotton.....	1948-87	33.2	15.6	23.8	10.0	1.9	3.5	7.3	.4	2.6
Cotton, ELS.....	1985-87		25.4			74.6	.1			
Cranberries.....	1984-87	11.8	5.9	21.1	54.7			2.0	3.9	.7
Citrus trees.....	1983-87				99.7					.3
Flax.....	1948-87	37.9	8.9	26.1	7.9	1.4	6.3	1.6	2.5	6.6
Forage production.....	1979-87	55.4	.1	.2	40.0			1.4	2.0	
Forage seeding.....	1978-87	66.6	.6	11.0	10.4		.1	5.3		4.6
Fresh sweet corn.....	1986-87	.7			99.2					.2
Fresh tomato.....	1984-87	.4	1.1	6.6	80.4		11.5			
Grain sorghum.....	1959-87	49.3	5.7	15.3	13.0	2.1	3.7	5.6	.4	2.4
Grape.....	1967-87	12.1	5.2	26.3	50.6	1.3	1.6	.1	.2	2.7
Hybrid seed.....	1983-87	82.4	2.1	7.9	1.4	.4	1.1	1.8	.5	2.3
Oat.....	1956-87	49.4	15.4	17.5	7.6	.4	3.6	2.0	.9	1.6
Pea, dry and green.....	1962-87	35.3	8.3	20.1	21.6	.1	11.8	.1	1.0	1.5
Peach.....	1957-87	2.2	11.5		84.1					1.0
Peach, canning.....	1985-87	3.6		96.0	.4					
Peanut.....	1962-87	75.5	.1	13.0	2.9	.4	.3	.1	5.1	2.0
Peppers.....	1984-87	.1	.7	5.0	91.5		2.4			
Popcorn.....	1984-87	16.8	17.7	15.5	30.3	10.9	7.1	.8	.1	.7
Potato.....	1962-87	18.2	9.0	33.8	19.1	12.0	.3	.5	5.6	1.2
Prevented planting.....	1982-87			23.6		76.4				
Prunes.....	1985-87	4.2	1.5	90.5		3.8				
Raisin.....	1961-87			99.7						
Rice.....	1958-87	12.6	.5	33.8	5.6	4.3	8.7	.4	21.5	12.6
Rye.....	1980-87	29.3	26.0	16.0	8.7	3.5		2.8		1.3
Safflower.....	1964-87	61.2	5.9	1.5		.3		30.7	.1	.2
Soybean.....	1955-87	63.9	4.5	23.6	1.2	2.2	1.0	.1	1.1	1.2
Sugarbeet.....	1965-87	18.0	6.5	26.1	12.6	11.6	8.2	3.2	11.1	2.1
Sugarcane.....	1967-87	4.8	.1	13.8	62.7	.3	5.1	11.1	1.6	.5
Sunflower.....	1976-87	30.4	13.5	11.0	25.9	.1	3.4	6.5	1.9	2.5
Sweet corn.....	1978-87	42.3	5.2	32.7	9.4	.4	3.2	.3	1.4	4.1
Table grapes.....	1984-87	34.5	3.2	36.6	8.5		8.4		.2	8.6
Tobacco.....	1948-87	66.6	19.7	33.9	2.1	1.5	6.4	.3	11.5	7.0
Tomato.....	1963-87	40.6	.9	42.7	9.6	.7	1.4	.2	3.3	.6
Tung nut.....	1965-70				100.0					
Walnuts.....	1984-87	7.3		44.2	45.9		1.2			1.5
Wheat.....	1948-87	51.7	12.7	9.5	11.0	1.6	3.7	3.5	3.0	1.8
All crops.....	1948-87	51.8	9.3	18.2	10.0	2.0	2.8	2.4	2.3	2.0

Federal Crop Insurance Corporation.

Table 594.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1985-87 <sup>1</sup>

Commodity and year	Coverage				Amount of premium <i>1,000 dollars</i>	Indemnities		
	County programs	Insured units <sup>2</sup>	Area insured <sup>3</sup> <i>1,000 acres</i>	Maximum insured production <i>1,000 dollars</i>		Number	Area indemnified <sup>3</sup> <i>1,000 acres</i>	Amount <i>1,000 dollars</i>
<b>Almonds:</b>								
1985	18	859	51	47,400	3,478	148	13	3,562
1986	18	762	51	36,512	2,461	523	40	13,267
1987	18	1,292	77	73,623	4,911	30	2	668
<b>Apple:</b>								
1985	110	578	14	16,726	1,485	250	6	4,007
1986	131	1,141	32	41,399	3,774	422	19	9,574
1987	131	1,571	42	51,442	4,876	215	10	4,284
<b>Barley:</b>								
1985	2,620	45,535	3,053	194,498	16,052	20,634	1,602	69,592
1986	2,620	46,256	3,331	171,425	13,577	7,636	897	24,897
1987	2,620	45,901	2,821	127,095	9,635	5,833	523	11,784
<b>Bean, dry edible:</b>								
1985	214	5,896	311	49,440	3,874	1,317	93	7,928
1986	215	7,142	400	62,198	5,227	812	94	6,805
1987	236	10,222	583	87,515	7,022	1,841	155	12,925
<b>Citrus:</b>								
1985	35	2,361	57	30,442	2,704	1,549	37	7,556
1986	35	1,981	56	31,226	2,799	207	10	1,575
1987	43	2,265	55	32,261	2,720	45	1	355
<b>Citrus tree:</b>								
1985	3	1,009	9	5,609	256			
1986	3	1,548	15	14,340	660	1	0	58
1987	3	1,608	17	26,286	1,082			
<b>Combined crop: <sup>4</sup></b>								
1985	5	1,297	144	9,590	348	69	7	207
1986	5	894	105	6,649	186	0	0	0
1987	5	754	84	4,424	129			
<b>Corn:</b>								
1985	2,850	197,291	12,184	2,277,265	113,828	18,201	1,086	62,323
1986	2,850	227,513	11,888	1,906,620	100,312	18,955	1,461	82,540
1987	2,850	237,177	11,338	1,597,669	79,788	15,156	991	46,875
<b>Cotton:</b>								
1985	690	18,514	1,373	212,812	19,814	2,274	181	10,209
1986	691	24,092	1,718	212,521	22,557	7,449	995	63,196
1987	692	31,724	2,327	272,452	28,950	2,805	269	13,710
<b>Cotton ELS:</b>								
1985	12	17	1	815	44	1		1
1986	12	32	2	1,081	85	1		1
1987	12	22	1	665	45	2		60
<b>Cranberries:</b>								
1985	11	66	1	6,323	185	7	(*)	35
1986	11	66	2	12,705	389	14	1	533
1987	11	92	4	19,772	577	15	1	438
<b>Flax:</b>								
1985	118	2,481	93	3,797	460	578	23	530
1986	118	2,795	113	4,474	510	505	28	668
1987	119	2,424	85	3,181	370	386	18	341
<b>Forage production:</b>								
1985	20	34	1	103	6	6	1	16
1986	20	10		29	2			
1987	20	8		29	2			
<b>Forage seeding:</b>								
1985	8	83	2	65	6	8	(*)	4
1986	8	65	1	45	4	13		5
1987	21	62	1	55	4	2		2
<b>Fresh Sweet Corn:</b>								
1985	1	72	7	2,210	111	14	1	289
1986	1	158	17	7,382	411	12	5	654
1987	1	198	19	7,671	415	12	3	566
<b>Fresh Tomato:</b>								
1985	4	155	10	26,578	1,821	97	7	10,616
1986	13	317	22	52,446	3,861	26	5	5,018
1987	26	512	29	69,287	6,336	47	7	3,135
<b>Grain sorghum:</b>								
1985	2,471	38,152	2,209	204,356	14,819	8,099	626	24,057
1986	2,471	44,827	2,277	172,986	13,802	6,814	772	25,897
1987	2,471	38,445	1,566	108,445	8,311	4,318	319	8,980

See footnotes at end of table.

**Table 594.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1985-87 <sup>1</sup>—Continued**

Commodity and year	Coverage				Amount of premium <i>1,000 dollars</i>	Indemnities		
	County programs	Insured units <sup>2</sup>	Area insured <sup>3</sup>	Maximum insured production		Number	Area indemnified <sup>3</sup>	Amount
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 acres</i>	<i>1,000 dollars</i>
<b>Grape:</b>								
1985	60	1,297	47	28,226	1,914	271	7	1,458
1986	60	1,192	41	22,643	1,608	167	8	1,166
1987	60	1,252	46	31,153	2,203	123	5	858
<b>Hybrid seed:</b>								
1985	398	7,944	368	141,537	10,110	900	50	6,090
1986	398	6,308	252	96,913	6,762	604	35	4,756
1987	398	4,576	180	69,832	4,796	616	35	4,488
<b>Oat:</b>								
1985	2,532	10,823	330	14,461	1,350	1,720	81	1,978
1986	2,532	7,403	223	8,544	770	1,584	63	1,333
1987	2,532	9,102	263	8,608	741	1,813	62	990
<b>Pea, dry green:</b>								
1985	149	1,472	83	11,722	911	187	14	857
1986	150	1,513	82	11,181	881	223	16	694
1987	153	1,742	94	12,466	1,004	230	12	566
<b>Peach:</b>								
1985	48	631	33	19,312	1,894	404	15	4,670
1986	72	734	36	13,329	1,496	254	17	3,628
1987	72	733	35	13,671	1,608	243	15	3,565
<b>Peaches, canning:</b>								
1986	10	130	5	7,880	605	32	1	561
1987	10	72	2	3,373	240	4	0	21
<b>Peanut:</b>								
1985	258	19,782	630	272,127	15,481	3,011	106	14,531
1986	271	20,806	638	310,541	16,222	3,116	256	45,607
1987	278	23,510	755	412,992	21,044	4,250	296	47,549
<b>Pepper:</b>								
1985	4	65	2	4,716	427	35	22	1,393
1986	10	150	7	13,630	1,292	28	2	1,923
1987	10	93	5	10,137	947	4		181
<b>Popcorn:</b>								
1985	113	446	33	6,303	351	68	7	740
1986	119	356	26	4,647	227	64	6	426
1987	175	648	42	7,785	421	51	4	244
<b>Potato:</b>								
1985	167	1,278	107	67,174	3,519	343	34	8,704
1986	187	1,882	108	67,424	3,302	275	33	10,091
1987	211	1,742	156	105,762	5,666	296	43	13,419
<b>Prevented plant:</b>								
1985	10	17	1	61	1	1	(*)	3
1986	10	154	38	388	11	23	5	217
1987		5	0	24	1			
<b>Prunes:</b>								
1986	13	86	7	7,551	489	55	5	3,414
1987	13	162	12	11,131	714	5		91
<b>Raisins:</b>								
1985	7	4,369	* 284	118,801	9,829	104	6	798
1986	7	2,983	* 173	74,933	6,544	54	2	367
1987	7	3,354	* 205	99,424	8,735			
<b>Rice:</b>								
1985	165	1,294	142	35,990	1,105	301	35	2,957
1986	165	1,514	157	35,914	1,034	315	40	2,913
1987	165	3,256	293	60,364	1,756	572	68	4,681
<b>Rye:</b>								
1985	36	101	4	165	18	29	1	17
1986	36	83	4	142	14	9	1	9
1987	36	87	5	147	13	12	1	10
<b>Safflower:</b>								
1987	40	345	21	524	68	45	5	67
<b>Soybean:</b>								
1985	1,867	187,195	9,633	1,290,098	91,411	31,722	2,764	152,525
1986	1,868	181,562	9,672	1,067,116	72,256	23,049	3,029	147,195
1987	1,868	200,697	10,929	1,165,092	75,931	20,898	2,635	99,349
<b>Sugarbeet:</b>								
1985	144	1,714	110	40,586	1,912	302	18	1,612
1986	145	2,330	155	56,709	2,660	240	26	2,832
1987	143	3,235	238	99,428	4,577	320	24	2,281
<b>Sugarcane:</b>								
1985	23	228	26	13,561	838	3		10
1986	23	173	23	9,834	627	5	1	117
1987	23	89	12	5,647	292	3		132

See footnotes at end of table.



**Table 594.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1985-87 <sup>1</sup>—Continued**

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units <sup>2</sup>	Area insured <sup>3</sup>	Maximum insured production		Number	Area indemnified <sup>3</sup>	Amount
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 acres</i>	<i>1,000 dollars</i>
<b>Sunflower:</b>								
1985 .....	165	13,669	805	62,909	4,982	6,026	359	18,315
1986 .....	165	10,429	638	41,212	3,475	1,452	190	5,459
1987 .....	169	11,027	667	33,509	2,787	635	59	1,532
<b>Sweet Corn:</b>								
1985 .....	144	498	25	4,991	310	71	3	261
1986 .....	159	514	23	4,426	282	51	2	124
1987 .....	176	752	38	7,097	445	44	3	225
<b>Table Grape:</b>								
1985 .....	10	310	12	17,452	1,334	111	4	1,941
1986 .....	10	209	9	12,685	1,031	48	2	898
1987 .....	10	173	7	9,727	794	29	1	275
<b>Tobacco:</b>								
1985 .....	489	79,637	276	639,899	18,074	2,793	11	10,477
1986 .....	489	62,339	217	463,223	13,708	5,357	39	23,726
1987 .....	494	65,553	224	517,905	14,897	5,380	25	22,530
<b>Tomato:</b>								
1985 .....	47	779	58	55,574	3,300	95	9	2,097
1986 .....	65	817	59	56,339	3,909	73	6	2,065
1987 .....	74	748	50	48,241	3,125	51	4	971
<b>Walnut:</b>								
1985 .....	29	55	3	1,792	100	3	( <sup>4</sup> )	6
1986 .....	29	57	3	2,005	108	24	2	322
1987 .....	29	59	3	2,118	116	4		18
<b>Wheat:</b>								
1985 .....	2,348	220,176	15,788	1,183,857	90,008	57,965	5,183	220,624
1986 .....	2,349	185,014	15,579	1,087,436	69,158	26,124	3,816	117,790
1987 .....	2,349	188,091	15,339	851,493	56,202	18,706	2,605	57,751
<b>Total, all commodities:</b>								
1985 .....	18,903	868,180	48,321	7,122,343	438,470	159,717	12,414	652,995
1986 .....	19,064	847,637	48,204	6,210,683	379,098	106,616	11,930	612,321
1987 .....	19,274	895,380	48,670	6,069,522	364,296	85,041	8,201	365,917

<sup>1</sup> Data for 1987 are preliminary.

<sup>2</sup> Number of farms on which the insured crop was planted including duplication where both the landlord and tenant are insured. Insured farms on which no insured crop was planted are not included.

<sup>3</sup> The insured's share of the planted area on the farm.

<sup>4</sup> Includes a combination of commodities varying by counties.

<sup>5</sup> Less than 500 acres.

<sup>6</sup> Thousands of tons insured for raisins (not included in total of all commodities).

n.a. not available.

Federal Crop Insurance Corporation.

**Table 595.—Farm real estate debt: Amount outstanding by farming regions, Dec. 31, 1972-87<sup>1</sup>**

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1972.....	1,806,226	3,521,638	7,944,630	3,836,893	2,468,730	2,371,469
1973.....	2,099,783	3,911,437	8,880,393	4,194,115	2,846,204	2,872,470
1974.....	2,401,636	4,332,574	9,959,599	4,672,578	3,293,116	3,367,041
1975.....	2,617,094	4,785,059	11,143,474	5,245,892	3,730,799	3,806,246
1976.....	2,778,693	5,392,578	12,770,539	6,042,629	4,084,187	4,063,345
1977.....	3,070,146	6,385,341	15,274,768	7,171,902	4,599,753	4,567,935
1978.....	3,361,661	7,457,469	17,907,192	8,120,333	5,146,741	5,096,946
1979.....	4,043,785	9,089,732	21,442,912	9,686,622	6,233,217	5,937,062
1980.....	4,488,821	10,417,609	24,172,820	10,959,905	7,002,986	6,667,999
1981.....	4,802,334	11,656,068	26,494,864	12,149,225	7,599,092	7,416,770
1982.....	4,999,752	12,138,637	27,224,547	12,695,795	7,884,971	7,654,829
1983.....	5,055,098	12,548,241	27,481,721	12,927,837	7,954,741	7,768,451
1984.....	4,897,702	12,465,632	26,862,422	12,799,494	7,823,129	7,736,521
1985.....	4,652,363	11,738,512	24,902,363	11,896,287	7,407,967	7,347,741
1986.....	4,236,991	10,419,615	22,245,000	10,670,275	6,731,563	6,179,167
1987 <sup>2</sup> .....	4,048,799	9,380,812	20,041,161	9,612,181	6,304,094	6,032,403

  

Year	Delta States	Southern Plains	Mountain	Pacific	United States <sup>3</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1972.....	2,168,169	3,582,613	3,498,634	4,109,354	35,360,909
1973.....	2,405,756	4,027,589	3,856,558	4,645,050	39,805,831
1974.....	2,654,726	4,520,170	4,335,842	5,312,850	44,922,198
1975.....	2,845,302	4,923,192	4,869,871	5,812,980	49,852,886
1976.....	3,092,337	5,240,169	5,433,270	6,438,106	55,411,913
1977.....	3,496,409	5,744,756	6,217,186	7,328,901	63,949,369
1978.....	3,912,669	6,354,335	6,942,009	8,356,809	72,756,475
1979.....	4,791,295	7,292,675	8,197,719	9,913,739	86,754,557
1980.....	5,373,503	7,945,355	9,150,127	11,165,948	97,486,994
1981.....	5,962,193	8,483,570	9,898,009	12,613,498	107,230,492
1982.....	6,222,484	8,829,836	10,169,210	13,308,123	111,312,040
1983.....	6,255,182	9,205,745	10,415,701	13,879,888	113,721,549
1984.....	6,113,480	9,296,911	10,266,745	13,885,375	112,422,896
1985.....	5,603,762	9,176,682	9,632,807	13,199,941	105,850,792
1986.....	4,949,332	8,527,166	8,783,451	12,398,731	95,781,878
1987 <sup>2</sup> .....	4,552,288	7,873,394	7,873,954	11,424,246	87,411,665

<sup>1</sup> Includes operator households. Data for 1972-1987 were revised in 1987 to include Commodity Credit Corporation storage and drying facility loans. States included in regions are as follows: Northeast—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, and Maryland; Lake States—Michigan, Wisconsin, and Minnesota; Corn Belt—Ohio, Indiana, Illinois, Iowa, and Missouri; Northern Plains—North Dakota, South Dakota, Nebraska, and Kansas; Appalachian—Virginia, West Virginia, North Carolina, Kentucky, and Tennessee; Southeast—South Carolina, Georgia, Florida, and Alabama; Delta States—Mississippi, Arkansas, and Louisiana; Southern Plains—Oklahoma and Texas; Mountain—Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, and Nevada; Pacific—Washington, Oregon, and California. <sup>2</sup>Preliminary. <sup>3</sup>Includes Alaska and Hawaii.

Economic Research Service.

**Table 596.—Farm real estate debt: Amount outstanding by lender, United States, Dec. 31, 1972-87**

Year	Federal land banks <sup>1</sup>	Farmers Home Administration <sup>2</sup>	Life insurance companies <sup>3</sup>	All operating banks <sup>4</sup>	Individuals and others <sup>5</sup>	CCC storage and drying facility	Total farm mortgage debt
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1972.....	9,050,067	2,835,202	5,643,300	4,792,185	12,774,000	266,154	35,360,909
1973.....	10,901,352	3,013,440	5,964,800	5,458,278	14,190,000	277,963	39,805,831
1974.....	13,469,950	3,214,657	6,297,400	5,966,282	15,757,000	216,909	44,922,198
1975.....	16,029,465	3,368,747	6,726,000	6,296,286	17,262,000	170,387	49,852,886
1976.....	18,565,304	3,657,467	7,400,200	6,781,410	18,864,000	143,532	55,411,913
1977.....	21,540,898	3,982,054	8,819,400	7,780,261	21,335,000	491,756	63,949,369
1978.....	24,816,128	4,120,000	10,478,200	8,556,539	23,638,000	1,147,611	72,756,475
1979.....	29,819,632	6,875,481	12,165,300	8,623,281	27,880,000	1,390,863	86,754,557
1980.....	36,196,104	8,163,270	12,927,800	8,563,457	30,180,000	1,456,359	97,486,994
1981.....	43,825,201	8,876,989	13,073,900	8,342,245	31,770,000	1,342,159	107,230,492
1982.....	47,821,594	9,169,874	12,801,546	8,391,800	32,000,000	1,127,227	111,312,040
1983.....	48,929,289	9,549,601	12,717,600	9,317,100	32,320,000	887,935	113,721,549
1984.....	49,197,259	10,073,213	12,443,200	10,186,133	29,900,000	623,093	112,422,896
1985.....	44,695,433	10,426,971	11,836,400	11,384,920	27,200,000	307,068	105,850,792
1986.....	37,659,702	10,348,597	10,940,200	12,710,650	24,000,000	122,726	95,781,878
1987 <sup>6</sup> .....	32,331,744	10,083,239	9,895,800	14,455,162	20,600,000	45,713	87,411,665

See footnotes on page 425.

Table 597.—Farm real estate debt: Amount outstanding, by States, Dec. 31, 1970, 1980, 1984, 1985, 1986, and 1987 <sup>1</sup>

State	1970	1980	1984	1985	1986	1987 <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	417,923	1,241,479	1,422,627	1,312,214	1,104,074	974,483
AK.....	2,619	25,872	25,914	32,382	25,499	20,720
AZ.....	301,824	655,778	732,049	680,588	705,171	672,635
AR.....	743,015	1,987,032	2,171,041	2,061,787	1,900,835	1,766,932
CA.....	2,451,999	7,239,041	9,268,881	8,867,224	8,223,854	7,673,022
CO.....	682,274	2,236,462	2,549,356	2,374,428	2,098,655	1,833,025
CT.....	41,255	114,192	128,040	122,871	101,468	94,983
DE.....	42,108	141,693	163,358	153,827	148,653	150,537
FL.....	647,169	2,333,652	2,974,534	2,892,501	2,736,783	2,576,371
GA.....	632,776	2,273,187	2,368,790	2,225,092	1,933,356	1,804,875
HI.....	23,026	123,295	249,170	259,984	255,086	247,609
ID.....	619,135	1,797,200	2,025,049	1,940,801	1,762,702	1,566,671
IL.....	1,551,230	5,714,603	6,365,879	6,036,090	5,441,611	4,951,285
IN.....	1,127,888	4,247,972	4,656,089	4,262,819	3,813,561	3,429,739
IA.....	2,277,513	7,840,195	8,818,748	8,105,290	7,159,868	6,343,940
KS.....	1,066,214	3,291,184	3,764,024	3,517,074	3,045,806	2,767,861
KY.....	625,388	2,151,096	2,307,519	2,180,407	2,027,605	1,902,613
LA.....	479,020	1,565,065	1,728,300	1,519,863	1,245,582	1,123,486
ME.....	63,347	169,591	173,585	164,667	149,404	139,461
MD <sup>3</sup> .....	240,397	652,826	744,377	704,978	628,320	593,471
MA.....	41,209	96,059	107,776	102,153	122,305	87,730
MI.....	700,584	2,095,943	2,628,177	2,521,200	2,219,569	1,955,639
MN.....	1,377,542	5,005,871	5,850,782	5,423,034	4,850,323	4,331,465
MS.....	651,850	1,841,406	2,214,139	2,022,112	1,802,915	1,661,870
MO.....	1,077,082	3,563,856	3,959,228	3,724,851	3,343,397	3,084,068
MT.....	661,862	2,264,995	2,565,219	2,423,791	2,187,384	1,953,031
NE.....	1,149,962	3,784,748	4,375,014	4,001,414	3,662,535	3,287,867
NV.....	85,464	280,952	316,347	303,535	290,791	248,447
NH.....	19,072	56,108	55,151	49,205	44,617	39,317
NJ.....	120,634	315,152	326,990	312,931	274,633	255,375
NM.....	287,598	717,776	785,215	732,792	693,848	677,472
NY.....	431,635	1,216,789	1,289,781	1,224,560	1,102,142	1,045,431
NC.....	474,859	1,884,791	2,256,211	2,165,444	1,895,040	1,702,357
ND.....	549,263	1,965,647	2,447,033	2,318,623	2,130,523	1,943,685
OH.....	889,971	2,806,194	3,062,478	2,773,313	2,486,563	2,232,129
OK.....	805,052	2,421,534	2,854,439	2,690,247	2,455,783	2,194,954
OR.....	552,721	1,979,220	2,248,322	2,095,315	2,157,897	1,911,788
PA.....	428,045	1,513,069	1,676,050	1,579,630	1,440,219	1,433,150
RI.....	3,661	11,324	15,244	17,602	14,049	15,275
SC.....	224,699	819,681	970,570	917,934	764,954	676,674
SD.....	593,656	1,918,326	2,213,423	2,059,176	1,831,411	1,612,768
TN.....	570,928	1,583,294	1,661,102	1,508,586	1,371,526	1,279,863
TX.....	2,327,518	5,524,321	6,442,472	6,486,435	6,071,383	5,678,440
UT.....	143,625	552,503	646,626	602,346	534,202	480,132
VT.....	81,961	202,018	217,350	219,939	211,051	194,069
VA.....	366,938	1,149,283	1,365,879	1,332,146	1,234,826	1,208,275
WA.....	619,361	1,947,687	2,368,172	2,237,402	2,017,040	1,839,436
WV.....	74,743	234,522	232,418	221,384	202,566	210,986
WI.....	903,426	3,315,795	3,986,673	3,794,278	3,349,723	3,093,708
WY.....	241,318	644,461	646,884	574,526	510,698	442,541
US.....	30,638,631	97,486,994	112,422,896	105,850,792	95,781,878	87,411,665

<sup>1</sup> Includes operator households. Includes Commodity Credit Corporation storage and drying facility loans.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes District of Columbia.

Economic Research Service.

FOOTNOTES FOR TABLE 596

<sup>1</sup> Includes operator households. Includes regular mortgages, purchase-money mortgages, and sales contracts.

<sup>2</sup> Includes farm ownership loans, soil and water loans to individuals, rural and labor housing loans on farms and association loans for grazing, and for Indian tribe land acquisition.

<sup>3</sup> Compiled by American Council of Life Insurance.

<sup>4</sup> Includes all operating commercial, savings, and private banks.

<sup>5</sup> Estimated by ERS.

<sup>6</sup> Preliminary.

Economic Research Service.

**Table 598.—Farm real estate debt: Amount outstanding by lender, by States, Dec. 31, 1986 and 1987 <sup>1</sup>**

State	Federal land banks <sup>2</sup>		Life insurance companies <sup>3</sup>		Farmers Home Administration <sup>5</sup>		All operating banks		Individuals and others <sup>6</sup>	
	1986 <sup>4</sup>	1987 <sup>4</sup>	1986 <sup>4</sup>	1987 <sup>4</sup>	1986 <sup>4</sup>	1987 <sup>4</sup>	1986 <sup>4</sup>	1987 <sup>4</sup>	1986 <sup>4</sup>	1987 <sup>4</sup>
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL	532,606	441,594	87,300	68,800	144,180	133,426	172,283	187,141	166,415	142,840
AK	9,950	8,542	7,400	4,200	608	594	1,110	1,864	6,431	5,520
AZ	157,287	143,723	161,300	156,200	72,395	71,590	122,338	136,460	191,824	164,649
AR	637,815	526,286	315,000	282,200	342,695	338,438	320,669	376,676	281,869	241,937
CA	3,587,662	3,278,277	1,917,500	1,852,100	240,372	247,187	581,206	667,170	1,896,726	1,628,023
CO	1,005,074	842,887	311,600	262,000	140,661	139,574	111,400	134,574	528,063	453,254
CT	44,397	40,962	3,200	3,200	19,975	17,641	10,289	12,932	23,580	20,240
DE	73,133	70,345	1,200	1,400	20,189	18,296	21,927	32,875	32,157	27,602
FL	1,127,071	964,626	601,300	581,900	129,177	134,652	46,786	489,799	471,805	404,966
GA	936,787	801,767	181,400	158,500	234,252	234,732	341,928	405,253	237,146	203,551
HI	156,022	142,567	33,200	30,500	28,731	30,674	23,331	32,021	13,802	11,847
ID	718,816	617,122	250,300	224,100	297,988	293,161	23,259	27,669	469,868	403,303
IL	2,219,119	1,831,082	627,300	541,700	385,701	366,242	950,416	1,135,407	1,251,828	1,074,485
IN	1,275,571	1,042,009	386,900	333,200	345,005	344,836	678,550	744,709	1,122,418	963,409
IA	2,175,678	1,759,538	789,300	668,000	509,643	484,830	820,753	984,116	2,844,762	2,441,754
KS	1,413,854	1,185,702	303,200	255,900	316,288	303,432	408,031	505,126	602,532	517,174
KY	505,299	412,776	187,100	180,500	344,978	328,453	572,669	623,055	416,299	357,324
LA	532,606	441,594	195,900	188,000	181,187	187,097	195,603	186,638	139,187	119,469
ME	36,998	34,135	0	0	82,840	79,022	5,177	5,430	24,183	20,757
MD <sup>7</sup>	303,910	292,322	19,400	15,100	58,713	56,450	68,333	76,996	177,681	152,510
MA	29,598	27,308	400	600	27,305	27,250	39,583	10,767	25,373	21,778
MI	1,099,636	949,305	66,300	52,700	241,801	236,769	243,766	231,012	564,178	484,253
MN	2,072,814	1,789,440	351,200	279,800	420,718	409,788	449,958	525,544	1,538,651	1,320,675
MS	710,141	588,792	232,400	217,300	349,489	339,424	281,816	320,333	227,487	195,260
MO	978,391	807,309	299,600	267,400	467,417	451,317	715,793	802,532	878,633	754,160
MT	811,080	696,333	309,400	278,900	207,810	208,140	67,269	90,620	760,548	678,553
NE	1,322,471	1,069,523	558,700	480,200	452,249	427,948	417,129	533,382	902,280	774,457
NV	100,782	92,091	87,000	65,100	23,638	23,234	3,473	2,898	75,861	65,114
NH	14,799	13,654	4,000	3,500	8,532	7,806	4,513	3,394	12,772	10,963
NJ	118,393	109,232	2,200	1,700	30,459	29,341	18,767	25,095	104,783	89,939
NM	277,520	232,737	78,500	76,900	79,799	78,182	56,603	116,847	201,263	172,751
NY	429,173	395,967	19,400	18,000	205,035	196,976	96,585	133,534	349,013	299,569
NC	1,025,681	877,849	55,700	45,600	340,471	325,500	229,571	244,649	242,855	208,448
ND	1,083,141	985,066	51,800	46,400	388,406	382,614	173,198	208,816	430,983	369,927
OH	893,516	729,909	198,400	165,100	220,276	217,975	559,466	593,162	611,394	524,780
OK	1,053,828	883,773	154,100	139,700	409,065	405,516	330,822	330,421	507,029	435,200
OR	751,681	645,338	425,000	388,700	149,530	147,433	31,138	43,562	799,793	686,489
PA	529,811	509,609	24,400	20,100	169,890	162,935	370,925	445,075	343,663	294,978
RI	7,400	6,827	0	0	3,802	3,086	453	3,307	2,394	2,055
SC	480,532	411,272	25,100	22,500	121,791	116,842	52,975	53,698	84,053	72,145
SD	639,905	517,511	96,600	75,400	457,652	422,905	116,664	131,939	516,857	443,635
TN	406,704	332,235	52,000	49,500	308,909	299,389	368,067	397,005	233,893	200,758
TX	2,286,255	2,093,256	793,500	777,400	428,886	425,404	1,082,711	1,112,832	1,478,783	1,269,290
UT	215,057	196,512	14,000	12,400	69,516	68,092	33,046	29,342	202,135	173,499
VT	59,196	54,616	1,400	200	58,803	54,987	45,583	44,790	45,919	39,413
VA	674,452	648,736	31,600	26,700	121,419	117,237	185,522	225,616	220,826	189,542
WA	723,640	621,264	403,800	378,300	187,224	184,246	153,021	184,641	548,037	470,399
WV	43,880	42,207	9,000	21,600	58,941	58,017	54,794	60,362	35,836	30,759
WI	1,242,589	1,072,715	104,300	80,400	380,948	365,616	663,758	758,415	945,019	811,142
WY	127,981	103,502	110,600	96,200	63,238	61,307	27,623	26,039	181,116	155,458
US	37,659,703	32,331,748	10,940,200	9,895,800	10,348,597	10,083,239	12,710,650	14,455,162	24,000,002	20,600,003

<sup>1</sup> Includes operator households.<sup>2</sup> Includes mortgages in process of foreclosure.<sup>3</sup> Includes U.S. legal reserve companies only. Includes regular mortgages and purchase-money mortgages.<sup>4</sup> Revised.<sup>5</sup> Includes farm ownership loans, soil and water loans to individuals, rural and labor housing loans on farms and association loans for grazing, and for Indian tribe land acquisition.<sup>6</sup> Estimated by ERS, USDA.<sup>7</sup> Includes District of Columbia.

Economic Research Service.

**Table 599.—All operating banks: Amount of agricultural loans outstanding, by type, and by States, specified dates, 1984-87 <sup>1</sup>**

State and Territory	Farm real estate loans				Nonreal estate farm loans			
	1984	1985	1986	1987 <sup>2</sup>	1984	1985	1986	1987 <sup>2</sup>
	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	160,881	154,993	172,283	187,141	228,227	217,761	192,410	178,530
AK.....	1,522	3,533	1,110	1,864	10,428	8,945	8,959	7,521
AZ.....	17,686	57,680	122,338	136,460	556,168	511,599	549,616	571,518
AR.....	269,744	286,278	320,669	376,676	480,070	405,340	400,823	392,763
CA.....	686,699	654,893	581,206	667,170	3,935,413	3,376,856	2,685,661	2,474,899
CO.....	86,934	106,637	111,400	134,574	887,814	819,071	712,313	701,404
CT.....	10,063	10,980	10,289	12,932	16,474	20,447	29,939	25,047
DE.....	19,010	17,532	21,927	32,875	71,609	35,852	26,515	28,813
FL.....	233,376	316,145	406,786	489,799	247,280	245,805	348,341	313,515
GA.....	282,801	299,267	341,928	405,253	304,348	312,343	278,436	262,918
HI.....	26,079	29,038	23,331	32,021	24,634	22,217	24,543	22,728
ID.....	22,305	26,964	23,259	27,669	622,349	667,078	573,890	543,255
IL.....	672,012	814,920	950,416	1,135,047	2,645,765	2,191,845	1,920,120	1,728,556
IN.....	561,095	623,459	678,550	744,709	1,139,226	1,017,320	945,662	836,149
IA.....	511,766	712,869	820,753	984,116	3,870,564	3,142,643	2,543,382	2,297,362
KS.....	270,936	331,403	408,031	505,126	2,469,809	2,221,004	1,944,981	1,885,390
KY.....	459,871	526,683	572,669	623,055	599,638	586,802	562,480	379,370
LA.....	226,399	213,331	195,603	186,638	358,395	329,416	273,701	227,297
ME.....	4,750	5,214	5,177	5,430	19,182	27,413	24,284	28,577
MD <sup>3</sup> .....	64,847	65,308	68,333	76,996	73,583	68,906	78,974	67,956
MA.....	9,262	9,781	39,583	10,767	41,808	36,670	36,534	66,695
MI.....	225,912	238,739	243,766	231,012	561,210	551,024	511,298	440,639
MN.....	371,607	389,154	449,958	525,544	2,407,574	2,050,535	1,663,311	1,474,197
MS.....	273,579	268,663	281,816	320,333	432,430	366,917	333,445	288,541
MO.....	669,317	693,731	715,793	802,532	1,464,772	1,225,477	1,065,992	958,642
MT.....	38,882	60,679	67,269	90,602	705,853	693,350	588,753	525,384
NE.....	243,689	314,478	417,129	533,382	3,062,360	2,547,910	2,098,560	2,001,378
NV.....	4,128	2,947	3,473	2,898	10,986	13,437	14,317	19,014
NH.....	5,362	4,789	4,513	3,394	1,981	2,788	1,070	1,705
NJ.....	18,708	22,381	18,767	25,095	10,258	11,793	16,802	21,330
NM.....	31,465	46,993	56,603	116,847	227,132	224,128	218,612	168,917
NY.....	93,133	96,097	96,585	133,534	694,005	628,850	684,904	588,903
NC.....	144,752	176,153	229,571	244,649	296,439	269,431	247,710	265,762
ND.....	100,343	128,100	173,198	208,816	959,969	893,676	791,185	764,630
OH.....	464,475	500,066	559,466	593,162	623,522	554,419	515,163	499,385
OK.....	310,218	307,310	330,822	330,421	1,265,813	1,297,076	1,082,762	1,127,267
OR.....	21,573	22,317	31,138	43,562	356,046	370,249	331,800	334,038
PA.....	366,125	349,583	370,925	445,075	362,815	350,158	358,866	288,263
RI.....	375	2,249	453	3,307	960	4,769	2,154	2,060
SC.....	43,633	47,285	52,975	53,698	86,986	81,983	74,481	63,628
SD.....	69,401	97,788	116,664	131,939	1,432,770	1,243,983	1,023,693	933,987
TN.....	344,838	342,601	368,067	397,005	367,407	324,144	281,451	241,873
TX.....	791,474	986,327	1,082,711	1,112,832	3,108,663	2,983,249	2,791,322	2,680,194
UT.....	22,729	25,100	33,046	29,342	104,495	110,236	105,409	94,703
VT.....	23,996	35,254	45,583	44,790	29,687	24,922	27,051	28,480
VA.....	142,316	150,493	185,522	225,616	226,807	223,548	201,464	193,927
WA.....	129,354	104,706	153,021	184,641	731,059	857,148	812,478	832,354
WV.....	55,684	58,902	54,794	60,362	29,414	25,761	25,687	26,372
WI.....	558,004	616,135	663,758	758,415	1,165,930	1,064,991	992,112	914,618
WY.....	23,023	28,992	27,623	26,039	277,804	252,011	221,917	222,380
US.....	10,186,133	11,384,920	12,710,650	14,455,162	39,598,931	35,513,296	31,240,333	29,040,839

<sup>1</sup> Includes operator households. Includes loans of national and commercial, mutual savings, stock savings, and private banks. Loans are classified according to location of bank and, therefore, are not strictly comparable with data for other lenders which are classified according to location of borrower.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes District of Columbia.

Economic Research Service. Data from Federal Deposit Insurance Corporation.

**Table 600.—Farm real estate debt: Average interest rates on loans outstanding, by farming regions,<sup>1</sup> Dec. 31, 1973-87<sup>2</sup>**

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	Southern Plains	Moun-tain	Pacific	United States
	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent
1973.....	6.8	6.3	6.3	6.1	6.7	6.9	6.5	6.3	6.3	6.4	6.4
1974.....	7.1	6.7	6.6	6.4	7.1	7.3	6.8	6.8	6.6	6.6	6.7
1975.....	7.4	6.9	6.9	6.7	7.5	7.7	7.1	7.0	6.9	6.9	7.0
1976.....	7.4	7.0	7.2	6.9	7.6	7.8	7.3	7.1	7.1	7.1	7.6
1977.....	7.4	7.2	7.3	7.1	7.5	7.7	7.5	7.1	7.2	7.3	7.6
1978.....	7.4	7.3	7.5	7.3	7.7	7.8	7.8	7.3	7.3	7.5	7.4
1979.....	7.7	7.8	7.9	7.7	8.2	8.3	8.0	7.6	7.7	7.9	7.9
1980.....	8.3	8.3	8.3	8.4	8.5	8.6	8.4	8.0	8.2	8.2	8.3
1981.....	9.0	8.9	9.2	9.4	9.3	9.2	9.3	8.7	8.8	8.6	9.1
1982.....	9.6	9.6	9.9	10.1	10.1	9.9	10.1	9.3	9.3	9.1	9.7
1983.....	9.9	9.7	8.3	9.8	10.2	10.1	10.1	9.3	9.1	9.3	9.7
1984.....	9.9	9.4	9.6	9.5	10.2	9.7	10.0	9.1	9.0	9.3	9.6
1985.....	8.7	9.1	11.2	9.1	9.0	9.7	9.3	9.3	9.1	8.2	9.4
1986.....	8.5	8.9	8.9	9.0	8.9	9.5	9.4	9.0	8.4	9.1	9.1
1987 <sup>3</sup> .....	8.3	9.0	8.9	9.0	8.8	9.7	9.0	8.9	8.9	9.2	9.0

<sup>1</sup> Includes operator households. For States included in regions, see footnote 1, table 595.<sup>2</sup> Contract rates. Excludes Alaska and Hawaii.<sup>3</sup> Preliminary.

Economic Research Service.

**Table 601.—Farm real estate debt: Interest charges on debt outstanding, by farming regions,<sup>1</sup> 1973-87<sup>2</sup>**

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1973.....	133,044	234,398	528,485	246,474	178,023	181,598
1974.....	160,180	276,050	618,726	285,484	216,744	228,041
1975.....	184,826	314,743	729,633	331,056	261,671	276,810
1976.....	200,174	357,745	858,137	391,688	297,482	307,056
1977.....	215,741	423,396	1,019,455	469,839	326,389	332,079
1978.....	237,652	503,081	1,249,776	558,425	375,725	378,299
1979.....	285,209	641,902	1,556,499	685,717	463,895	457,806
1980.....	352,420	812,402	1,891,536	866,550	564,840	544,509
1981.....	416,972	977,471	2,326,800	1,089,209	682,172	649,493
1982.....	471,664	1,146,370	2,662,143	1,250,758	783,925	748,786
1983.....	499,186	1,202,708	2,275,521	1,255,045	811,025	776,740
1984.....	492,544	1,178,545	2,620,758	1,219,294	805,394	750,599
1985.....	415,005	1,098,373	2,898,655	1,118,558	684,557	728,177
1986.....	377,490	991,447	2,086,736	1,013,109	628,041	642,843
1987 <sup>3</sup> .....	345,042	888,394	1,876,072	911,247	570,831	591,939

  

Year	Delta States	Southern Plains	Mountain	Pacific	United States
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1973.....	147,666	240,446	230,092	278,065	2,403,072
1974.....	172,219	288,925	269,040	329,652	2,853,913
1975.....	196,369	328,302	316,311	382,639	3,336,106
1976.....	217,570	359,848	363,359	432,657	4,013,556
1977.....	246,421	388,008	416,640	499,876	4,558,857
1978.....	287,170	438,673	482,355	591,655	5,087,124
1979.....	348,636	518,364	582,181	720,886	6,265,249
1980.....	425,931	606,123	707,006	862,696	7,654,281
1981.....	527,830	712,939	842,792	1,028,311	9,287,378
1982.....	615,260	804,138	931,266	1,173,750	10,645,281
1983.....	631,107	840,200	940,240	1,261,036	10,951,371
1984.....	618,986	846,232	930,546	1,287,243	10,848,079
1985.....	547,523	855,968	903,558	1,243,235	10,274,307
1986.....	498,247	792,849	777,529	1,163,033	9,182,547
1987 <sup>3</sup> .....	429,491	732,238	744,844	1,093,636	8,209,120

<sup>1</sup> Includes operator households. For States included in regions, see footnote 1, table 595.<sup>2</sup> Interest charges during calendar year.<sup>3</sup> Preliminary.

Economic Research Service.

Table 602.—Interest rates: Selected series, United States, 1973-87 <sup>1</sup>

Year	Federal land banks		Production credit associations, average cost of loans <sup>4</sup>	Federal intermediate credit banks		Banks for cooperatives		Prime commercial paper (4-6 months) <sup>7</sup>	Federal Reserve Bank discount rates, New York <sup>8</sup>
	Average rate on new loans <sup>2</sup>	Bond rates <sup>3</sup>		Discount rates <sup>5</sup>	Bond rates <sup>3</sup>	Rates on loans <sup>6</sup>	Bond rates <sup>3</sup>		
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1973	7.48	6.59	8.09	7.31	7.85	5.50-9.50	8.75	8.15	6.44
1974	8.14	7.36	9.43	8.78	8.65	8.50-10.50	9.01	9.87	7.83
1975	8.69	7.60	8.91	8.14	6.88	7.25-10.50	7.03	6.33	6.25
1976	8.66	7.51	8.24	7.36	6.40	7.25-8.75	6.14	5.35	5.50
1977	8.39	7.37	7.88	6.94	6.53	6.50-8.00	6.76	5.61	5.46
1978	8.35	7.68	8.81	8.06	8.15	7.75-9.75	8.66	7.99	7.46
1979	9.20	8.74	10.71	10.21	10.37	10.00-12.75	11.09	10.91	10.28
1980	10.39	9.71	12.86	12.33	11.10	11.00-16.00	11.34	12.29	11.77
1981	11.27	11.65	14.89	14.25	14.18	14.75-16.50	14.14	14.76	13.41
1982	12.27	11.88	14.34	13.56	11.74	11.00-15.00	11.45	11.89	11.02
1983	11.63	11.83	11.49	10.55	10.26	9.85-10.90	10.71	8.89	8.50
1984	11.73	11.90	12.68	11.25	11.0	10.50-11.75	11.2	10.16	8.80
1985	12.25	11.50	11.73	11.68	9.4	9.00-10.75	10.5	8.01	7.69
1986	12.10	10.72	11.45	10.50	8.1	7.75-9.50	9.0	6.39	6.33
1987	11.10	10.50	11.60	10.25	8.6	8.00-9.75	9.5	6.85	5.66

<sup>1</sup> Includes operator households.<sup>2</sup> Contract rates on loans through Federal land bank associations. In computing the average rates, each Farm Credit district is given equal weight.<sup>3</sup> Weighted average net cost to banks of bonds outstanding at end of year.<sup>4</sup> Rate represents interest (ss patronage refunds), service fees, cost of record searches, and filing and releasing mortgages, etc., paid by borrowers as percentage of average loans outstanding during year.<sup>5</sup> Annual interest income on loans, discounts, and notes receivable as a percentage of average balance of such items outstanding during the year.<sup>6</sup> Excludes rates on loans secured by CCC documents.<sup>7</sup> Board of Governors of the Federal Reserve System and Economic Report of the President. Annual averages of prevailing open-market rates in New York City. Beginning November 1979, data are for 6-months paper.<sup>8</sup> Board of Governors of the Federal Reserve System and Economic Report of the President. Annual average in discount rates.

Economic Research Service and Farm Credit Administration.

Table 603.—Nonreal estate farm debt: Amount outstanding, by lender, United States, Dec. 31, 1973-87 <sup>1</sup>

Year	Debt owed to reporting institutions (excluding CCC)					Debts owned to individuals and others	Total excluding CCC loans	Price-support and storage loans made or guaranteed by CCC <sup>3</sup>	Total including CCC loans
	All operating banks	Production credit association	Federal intermediate credit banks <sup>2</sup>	Farmers Home Administration	Total				
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1973	17,167	7,814	331	877	26,189	6,865	33,054	750	33,804
1974	18,238	9,531	374	1,044	29,187	7,549	36,736	319	37,055
1975	20,160	10,770	350	1,772	33,052	8,553	41,605	375	41,980
1976	23,283	12,249	368	1,877	37,777	9,989	47,766	1,040	48,806
1977	25,709	13,519	374	3,141	42,743	12,244	54,987	4,540	59,527
1978	28,273	14,967	509	5,780	49,529	14,297	63,826	5,666	69,492
1979	31,034	18,113	665	8,982	58,794	16,610	75,404	5,070	80,474
1980	31,564	19,729	810	11,756	63,859	17,721	81,583	4,978	86,561
1981	32,858	21,203	913	14,452	69,426	18,780	88,296	8,011	96,307
1982	36,128	20,507	871	14,746	72,230	19,539	91,761	15,433	107,214
1983	39,026	19,314	850	14,608	73,845	18,945	92,822	10,801	103,623
1984	39,539	17,928	875	15,613	74,059	18,000	92,193	8,719	100,912
1985	35,513	14,026	537	16,721	66,870	15,378	82,248	16,928	99,176
1986	31,240	10,735	275	16,392	59,219	12,391	71,610	18,682	90,292
1987 <sup>4</sup>	29,041	9,486	165	16,049	54,741	11,139	65,880	14,695	80,575

<sup>1</sup> Includes operator households.<sup>2</sup> Loans to and discounts for livestock loans companies and agricultured credit corporations.<sup>3</sup> Although price-support loans of the Commodity Credit Corporation (CCC) are nonrecourse loans, they are treated as debts. Borrowers must either pay them or deliver the commodities on which they are based.<sup>4</sup> Preliminary.

Economic Research Service.

**Table 604.—Farm Credit System: Loans and discounts made, United States, 1973-84 <sup>1</sup>**

Year	Federal land banks	Production credit		Banks for cooperatives	Total
		Production credit associations <sup>2</sup>	Federal intermediate credit banks to other financing institutions		
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973	3,284,681	13,038,446	856,691	6,388,950	23,568,768
1974	4,243,479	14,398,388	879,070	8,372,547	27,893,484
1975	4,411,268	16,062,551	766,416	8,907,911	30,148,146
1976	4,700,361	18,327,314	830,269	10,820,401	34,678,945
1977	5,730,118	20,147,331	849,423	12,276,751	39,004,123
1978	6,355,338	23,378,215	1,194,118	14,125,181	45,052,852
1979	9,118,595	29,368,159	1,647,742	18,950,701	59,085,197
1980	10,282,308	32,874,199	1,832,043	24,675,291	69,463,841
1981	12,202,902	35,007,079	1,927,286	24,783,575	73,920,842
1982	8,511,532	32,886,688	1,825,405	23,309,795	66,533,480
1983	4,785,276	30,242,309	1,713,401	27,987,243	64,678,229
1984 <sup>3</sup>	4,309,844	28,340,982	1,776,794	29,378,182	63,805,802

<sup>1</sup> Includes Puerto Rico.<sup>2</sup> Includes renewals.<sup>3</sup> Last year of series, data no longer available.

Farm Credit Administration.

**Table 605.—Farm Credit System: Loans and discounts outstanding, United States, Jan. 1, 1973-88 <sup>1</sup>**

Year	Federal land banks	Production credit		Banks for cooperatives	Net total
		Production credit associations	Other financing institutions		
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973	9,104,930	6,636,076	252,681	2,297,805	18,291,492
1974	11,073,276	7,859,554	333,207	2,576,748	21,842,785
1975	13,863,752	9,560,649	403,402	3,575,483	27,403,286
1976	16,563,886	10,825,963	372,860	3,978,861	31,741,570
1977	19,126,749	12,297,052	385,185	5,061,669	36,870,655
1978	22,137,172	13,584,981	395,497	5,731,719	41,849,369
1979	25,626,461	15,112,202	534,139	6,217,025	47,489,827
1980	31,283,736	18,418,110	702,229	8,147,557	58,551,632
1981	38,137,543	20,160,313	845,007	9,505,526	68,648,389
1982	46,463,259	21,661,966	937,936	9,125,217	78,188,378
1983	50,375,306	20,711,081	895,376	8,259,607	80,242,112
1984	51,077,834	19,314,795	878,310	8,670,754	79,890,382
1985	50,676,659	17,543,283	926,386	8,640,733	77,187,992
1986	42,849,819	13,327,688	.....	7,763,809	63,941,316
1987	33,952,200	9,906,067	.....	7,005,092	50,863,359
1988	30,170,877	8,540,456	.....	7,713,522	46,424,855

<sup>1</sup> Includes Puerto Rico.

Farm Credit Administration.



**Table 606.—Production credit associations: Number of associations and loans outstanding on specified dates, 1987 and 1988, by Districts**

District	Production credit associations Jan. 1, 1988	Loans outstanding		
		1987		1988
		Jan. 1	July 1	Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Springfield.....	18	558,769	548,258	583,723
Baltimore.....	26	706,437	688,789	691,797
Columbus.....	1	839,494	791,379	681,277
Louisville.....	7	807,668	787,310	700,926
Jackson.....	2	446,716	420,429	345,200
St. Louis.....	4	577,340	533,474	455,964
St. Paul.....	23	1,773,805	1,722,954	1,595,397
Omaha.....	3	463,557	372,792	351,974
Wichita.....	18	522,696	420,309	431,848
Texas.....	23	834,926	712,407	742,949
Sacramento.....	21	1,965,586	1,805,982	1,664,227
Spokane.....	8	409,074	358,684	295,171
Total.....	154	9,906,067	9,162,767	8,540,456

Farm Credit Administration.

Table 607.—Farmers Home Administration: Loans made to individuals and associations for farming purposes, and amount outstanding, United States and Territories, 1973-88 <sup>1</sup>

Year	Loans to individuals														
	Farm ownership			Soil and water			Recreation			Operating			Emergency		
	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1
<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	
1973.....	11,029	387,985	2,293,604	372	2,509	32,712	27	1,416	5,827	20,296	471,798	680,181	20,296	491,921	73,295
1974.....	8,263	364,979	2,446,213	368	3,631	30,440	12	811	6,710	23,093	544,218	777,752	30,257	184,802	81,864
1975.....	7,278	355,161	2,644,583	509	6,645	30,541	15	664	7,314	19,166	536,988	923,550	40,201	880,885	109,764
1976.....	9,553	496,299	2,826,745	3,641	57,211	31,104	24	1,835	7,771	16,549	549,531	1,026,091	8,507	734,731	752,209
1977.....	9,026	501,871	3,040,062	3,334	60,493	77,283	18	1,079	8,929	15,529	539,233	1,033,648	29,707	1,855,311	842,215
1978.....	10,469	623,639	3,300,445	2,934	53,159	130,084	27	1,677	9,709	23,105	851,109	1,077,517	36,003	2,931,858	2,066,970
1979.....	9,743	831,493	3,609,729	2,158	53,683	174,658	22	2,722	10,795	19,892	949,165	1,487,523	24,568	2,857,515	4,299,570
1980.....	9,308	830,623	4,280,875	2,333	55,720	218,573	16	1,855	12,588	16,612	812,559	1,599,927	19,339	2,448,908	6,104,375
1981.....	7,948	717,373	4,876,025	1,530	43,325	262,050	11	1,450	14,133	17,104	820,626	1,854,440	47,365	4,878,941	7,316,141
1982.....	6,719	664,528	5,374,765	982	20,231	290,999	4	712	15,309	21,235	1,276,512	2,058,160	5,535	2,038,617	9,981,308
1983.....	7,035	770,583	5,852,702	709	12,710	297,737	0	0	15,420	25,022	1,750,088	2,499,344	1,729	566,268	10,029,769
1984.....	6,368	735,359	6,408,540	613	12,147	296,855	0	0	14,179	25,121	2,213,098	3,050,446	20,313	1,033,712	9,481,986
1985.....	5,269	661,123	6,957,978	393	9,018	296,346	0	0	13,848	38,749	4,694,346	3,750,587	7,661	463,544	9,785,792
1986.....	3,930	550,440	7,471,575	220	4,899	295,932	0	0	12,989	24,218	3,571,197	5,219,061	3,132	210,122	9,548,561
1987.....	2,583	391,165	7,592,580	199	4,647	285,430	0	0	11,900	16,699	2,449,059	5,524,707	1,266	102,991	9,055,526
1988.....			7,410,986			274,302			10,859			5,444,015			8,857,923

Year	Loans to associations									Economic opportunity individual loans			Economic emergency loans			Emergency livestock loans		
	Indian tribe land acquisition			Grazing association			Irrigation, drainage, and soil conservation			New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1
	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1									
	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>Number</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>
1973.....	1	2,850	4,703	11	3,899	84,048	7	338	6,950			31,513						
1974.....	3	9,786	8,910	10	2,677	81,297	5	940	7,097			22,968						
1975.....	8	8,715	16,864	9	4,290	77,553	12	1,336	9,822			17,213				2,708	323,723	
1976.....	0	11,063	23,109	9	3,987	77,073	12	4,812	7,960			12,559				2,339	361,490	
1977.....	4	13,414	33,123	6	4,948	77,589	9	5,274	9,541			8,281				1,038	169,552	
1978.....	0	6,500	45,658	3	1,703	78,314	2	86	12,710			5,708	6,400	562,267		315	60,340	
1979.....	1	11,000	<sup>2</sup> 50,845	4	5,585	<sup>2</sup> 78,371	7	1,019	<sup>2</sup> 13,240			3,943	40,196	3,168,639		50	13,392	
1980.....	1	6,380	60,012	0	160	75,262	3	233	18,322			2,831	24,931	1,890,174	3,237,312	( <sup>3</sup> )	( <sup>3</sup> )	
1981.....	1	4,542	62,386	0	0	74,638	2	236	18,255			1,945	10,152	1,007,538	4,517,983			
1982.....	1	62	67,990	0	0	69,350	3	1,243	18,168			1,540	12,601	1,245,354	4,873,580			
1983.....	0	7,450	68,427	0	0	66,748	0	0	18,018			964	0	0	4,516,719			
1984.....	0	2,620	70,564	0	0	63,536	0	0	17,500			739	4,300	599,334	4,240,017			
1985.....	1	1,406	82,631	0	0	60,263	0	0	17,920			599	( <sup>3</sup> )	( <sup>3</sup> )	4,243,944			
1986.....	1	1,404	83,360	0	0	58,155	0	0	17,479			484			4,002,724			
1987.....			85,516	0	0	56,660	0	0	16,986			272			3,720,910			
1988.....	0	2,000	88,854			54,714			16,278			429			3,581,693			

<sup>1</sup> Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency.

<sup>2</sup> Latest data available as of September 30, 1978.

<sup>3</sup> Discontinued.

Farmers Home Administration.

**Table 608.—Farmers Home Administration: Loans made to individuals and organizations for housing purposes, and loans outstanding, United States and Territories, 1973-88 <sup>1</sup>**

Year	Rural housing loans			Farm labor housing loans		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	85,286	1,394,506	5,694,574	18	9,969	18,938
1974.....	102,005	1,939,622	6,700,675	61	8,872	20,735
1975.....	112,971	2,334,202	8,051,996	97	8,066	23,336
1976.....	94,522	2,054,706	9,815,075	71	10,366	28,945
1977.....	113,365	2,687,028	11,083,704	87	5,490	30,803
1978.....	114,018	3,060,481	12,596,054	85	11,655	38,285
1979.....	85,435	2,556,434	14,495,475	207	36,034	<sup>2</sup> 40,542
1980.....	84,239	2,765,947	16,130,400	181	24,974	54,631
1981.....	70,850	2,478,378	18,075,547	203	17,512	74,984
1982.....	65,567	2,554,027	19,642,741	109	10,962	97,659
1983.....	49,457	1,970,487	21,181,979	65	4,170	115,580
1984.....	46,911	1,880,689	21,946,326	69	5,815	123,648
1985.....	42,702	1,785,748	22,357,923	91	17,269	122,616
1986.....	24,904	1,052,524	22,666,367	51	10,376	<sup>3</sup> 129,954
1987.....	27,870	1,244,699	22,008,584	46	11,375	<sup>3</sup> 129,954
1988.....			18,558,816			185,792

  

Year	Rural rental housing loans			Rural housing site and self-help land development		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	445	96,555	139,266	14	2,181	2,248
1974.....	637	205,580	175,860	9	1,787	2,381
1975.....	1,034	330,757	283,906	6	1,531	3,369
1976.....	1,090	433,253	531,051	5	954	4,526
1977.....	1,243	646,798	758,726	10	2,098	4,789
1978.....	1,157	729,231	1,069,590	9	3,891	4,688
1979.....	1,153	852,689	<sup>2</sup> 1,369,615	19	4,039	<sup>2</sup> 4,481
1980.....	1,087	783,683	2,403,332	7	928	5,283
1981.....	1,146	814,452	3,210,140	5	1,189	7,551
1982.....	1,244	966,670	3,864,875	0	134	5,945
1983.....	1,032	798,591	4,540,754	1	310	4,413
1984.....	1,132	937,433	5,234,310	1	213	3,279
1985.....	1,151	963,945	5,926,748	2	1,275	1,088
1986.....	657	561,395	<sup>3</sup> 6,080,462	1	666	<sup>3</sup> 1,045
1987.....	664	606,774	<sup>3</sup> 6,080,462	3	654	<sup>3</sup> 1,045
1988.....			7,922,513			995

<sup>1</sup> Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency.

<sup>2</sup> Latest data available as of September 30, 1978.

<sup>3</sup> Latest data available as of March 31, 1985.

Farmers Home Administration.

**Table 609.—Farmers' marketing, farm supply, and related service cooperatives: Number, memberships, and business, United States, 1973-86**

Year <sup>1</sup>	Cooperatives <sup>2</sup>				Estimated memberships <sup>4</sup>				Estimated service receipts <sup>5</sup>
	Market- ing	Farm supply	Related service <sup>3</sup>	Total	Market- ing	Farm supply	Related service <sup>3</sup>	Total	
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>1,000 members</i>	<i>1,000 members</i>	<i>1,000 members</i>	<i>1,000 members</i>	
1973.....	4,822	2,778	155	7,755	3,111	2,972	22	6,105	658
1974.....	4,770	2,729	146	7,645	3,127	2,971	25	6,123	745
1975.....	4,658	2,731	146	7,535	2,812	3,056	38	5,906	855
1976/77.....	4,008	2,593	135	6,736	2,655	3,066	37	5,758	893
1978 <sup>6</sup> .....	3,930	2,550	120	6,600	2,595	3,063	37	5,695	948
1979.....	3,825	2,507	113	6,445	2,531	3,060	36	5,627	1,054
1980.....	3,808	2,369	116	6,293	2,542	2,804	32	5,379	1,209
1981.....	3,743	2,356	112	6,211	2,452	2,856	27	5,335	1,190
1982.....	3,714	2,299	112	6,125	2,444	2,666	25	5,135	1,394
1983.....	3,647	2,208	134	5,989	2,308	2,553	95	4,955	1,468
1984.....	3,514	2,136	132	5,782	2,317	2,397	128	4,842	1,522
1985.....	3,441	2,036	148	5,625	2,214	2,398	169	4,781	1,640
1986.....	3,260	1,971	138	5,369	2,013	2,226	163	4,402	1,760

  

Year <sup>1</sup>	Marketing volume		Farm supply volume		Total marketing and farm supply volume and service receipts	
	Estimated gross business <sup>8</sup>	Estimated net business <sup>9</sup>	Estimated gross business <sup>8</sup>	Estimated net business <sup>9</sup>	Estimated gross business <sup>8</sup>	Estimated net business <sup>9</sup>
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1973.....	35,632	26,944	11,395	7,764	47,685	35,366
1974.....	40,313	31,937	13,416	8,660	54,474	41,342
1975.....	39,402	29,783	15,554	9,412	55,811	40,050
1976/77.....	40,804	32,134	17,791	10,557	59,488	43,584
1978 <sup>6</sup> .....	45,072	35,306	18,605	11,052	64,625	47,305
1979.....	53,669	41,693	22,670	13,521	77,392	56,268
1980.....	63,650	48,911	27,660	16,134	92,520	66,254
1981.....	70,162	53,285	30,127	17,059	101,479	71,534
1982.....	65,600	51,394	28,105	16,362	95,099	69,150
1983.....	61,209	49,344	26,053	15,943	88,730	66,755
1984.....	67,627	54,556	27,723	16,969	96,871	73,047
1985.....	57,033	47,321	26,424	16,641	85,097	65,601
1986.....	47,595	41,540	23,623	15,095	72,978	58,395

<sup>1</sup> Reports of cooperatives are included either for the calendar year or for fiscal years ending between July 1 of the calendar year shown and June 30 of the following year, with limited exceptions. Reports of cooperatives are included for the calendar year beginning 1978.

<sup>2</sup> Includes independent local cooperatives, centralized cooperatives, federations of cooperatives and cooperatives with mixed organizational structures. Cooperatives are classified according to their major activity. If, for example, more than 50 percent of a cooperative's business is derived from marketing activities, it is included as a marketing cooperative.

<sup>3</sup> Includes cooperatives whose major activity is providing services related to marketing and farm supply activities.

<sup>4</sup> Includes members (those entitled to vote for directors) but does not include nonvoting patrons. (Some duplication exists because some farmers belong to more than one cooperative.)

<sup>5</sup> Receipts for services related to marketing and purchasing activities, but not included in the volumes reported for these activities.

<sup>6</sup> Estimated.

<sup>7</sup> Number of memberships was up significantly due to inclusion of additional related service cooperatives.

<sup>8</sup> Estimated gross business includes all business reported between cooperatives, such as the wholesale business of farm supply cooperatives with other cooperatives or terminal market sales for local cooperatives.

<sup>9</sup> Estimated net business represents the value at the first level at which cooperatives transact business for farmers.

Figures are adjusted for duplication resulting from intercooperative business.

Agricultural Cooperative Service. Based on records from cooperatives reporting to the Service.

**Table 610.—Farmers' cooperatives: Number of marketing, farm supply, and related service cooperatives and business volume, United States, 1985 and 1986 (preliminary)**

Item	Cooperatives handling		Gross business		Net business <sup>1</sup>	
	1985	1986 <sup>2</sup>	1985	1986	1985	1986
	<i>Number</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
<b>Products marketed:</b>						
Beans and peas (dry edible).....	49	49	172,453	183,758	144,209	146,958
Cotton and cotton products.....	459	435	1,942,872	1,628,443	1,660,427	1,444,158
Dairy products.....	394	354	18,504,648	16,477,608	15,959,869	14,821,044
Fruits and vegetables.....	370	371	6,614,077	6,583,474	5,068,279	5,106,099
Grain, soybeans and soybean meal and oil.....	2,139	1,995	20,695,979	13,723,740	15,673,750	11,605,175
Livestock and livestock products.....	378	361	3,493,817	3,307,893	3,414,087	2,976,430
Nuts.....	33	34	919,412	1,132,721	919,412	1,132,721
Poultry products.....	59	56	1,082,017	1,057,243	956,586	916,795
Rice.....	58	56	825,701	827,641	825,701	827,641
Sugar products.....	44	46	1,574,079	1,576,390	1,505,403	1,482,512
Tobacco.....	33	33	302,431	181,556	302,140	181,556
Wool and mohair.....	170	163	34,352	34,925	19,937	19,766
Miscellaneous <sup>3</sup> .....	96	101	871,068	879,312	871,068	879,305
<b>Total farm products.....</b>	<b>4 3,925</b>	<b>4 3,719</b>	<b>57,032,906</b>	<b>47,594,704</b>	<b>47,320,868</b>	<b>41,540,160</b>
<b>Supplies purchased:</b>						
Building materials.....	1,775	1,746	484,958	477,323	396,499	371,460
Containers.....	489	486	309,715	285,507	149,550	139,211
Farm chemicals.....	3,204	3,102	2,478,082	2,368,933	1,450,803	1,358,335
Farm machinery and equipment.....	1,590	1,564	499,089	491,869	356,055	342,508
Feed.....	3,099	3,000	4,315,984	4,091,721	3,120,726	2,883,316
Fertilizer.....	3,237	3,134	5,614,679	4,999,659	3,341,571	2,915,354
Meats and groceries.....	410	408	172,370	124,810	153,002	113,406
Petroleum products.....	2,579	2,497	9,994,658	7,476,204	5,800,524	4,998,039
Seed.....	3,120	3,020	695,101	702,514	510,339	513,896
Other supplies <sup>5</sup> .....	3,688	3,570	1,859,121	2,604,742	1,361,625	1,459,540
<b>Total farm supplies.....</b>	<b>4 4,288</b>	<b>4 4,151</b>	<b>26,423,757</b>	<b>23,623,282</b>	<b>16,640,694</b>	<b>15,095,065</b>
<b>Receipts for services:</b>						
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous.....	4 3,883	4 3,621	6 1,639,878	6 1,760,246	6 1,639,878	6 1,760,246
<b>Total business.....</b>	<b>4 5,625</b>	<b>4 5,369</b>	<b>85,096,541</b>	<b>72,978,232</b>	<b>65,601,440</b>	<b>58,395,471</b>

<sup>1</sup> Represents value at the first level at which cooperatives transact business for farmers. <sup>2</sup> Revised. <sup>3</sup> Includes coffee, fish, forest products, fur pelts, hay, hops, nursery stock, tung oil, and other farm products not separately classified. <sup>4</sup> Because many cooperatives do more than one type of business, these totals are less than the number that would be obtained by adding the number of cooperatives marketing individual products, handling individual supplies, or providing individual service. Inactive cooperatives not included. <sup>5</sup> Includes automotive supplies, hardware, chicks, and other supplies not separately classified. <sup>6</sup> Receipts for services related to marketing and purchasing activities, but not included in the volumes reported for these activities.

Agricultural Cooperative Service. Based on records from cooperatives reporting to the Service.

**Table 611.—Farmers' cooperatives: Types, numbers, and memberships, United States**

Type	Year or date of data	Associations	Estimated memberships or participants
<b>Marketing and farm supply, and related service:</b>			
Marketing <sup>1</sup> .....	1986.....	<sup>2</sup> 3,260	2,012,924
Farm supply <sup>1</sup> .....	1986.....	<sup>3</sup> 1,971	2,225,550
Related services <sup>4</sup> .....	1986.....	<sup>5</sup> 138	163,283
<b>Service:</b>			
Federal land bank associations <sup>6</sup> .....	Dec. 31, 1986.....	234	n.a.
Production credit associations <sup>6</sup> .....	Dec. 31, 1986.....	155	n.a.
Banks for cooperatives <sup>6</sup> .....	Dec. 31, 1986.....	n.a.	n.a.
Rural credit unions <sup>7</sup> .....	Dec. 31, 1986.....	874	2,956,032
Rural electric cooperatives <sup>8</sup> .....	Dec. 31, 1986.....	<sup>9</sup> 920	<sup>10</sup> 10,371,054
Rural telephone cooperatives <sup>8</sup> .....	Dec. 31, 1986.....	248	1,059,469
<b>Production:</b>			
Dairy herd improvement associations <sup>11</sup> .....	Dec. 31, 1986.....	n.a.	35,250

See footnotes on page 440.

Table 612.—Farmers' cooperatives: Number of cooperatives, memberships, and business volume of marketing, farm supply, and related service cooperatives, by States, 1983 and 1985

State	Cooperatives headquartered in State		Cooperatives doing business in State <sup>1</sup>		Memberships in State		Net business <sup>2</sup>	
	1983 <sup>3</sup>	1985	1983 <sup>3</sup>	1985	1983 <sup>3</sup>	1985	1983 <sup>3</sup>	1985
	Number	Number	Number	Number	Number	Number	1,000 dollars	1,000 dollars
AL.....	83	80	95	1	81,794	70,736	767,492	759,755
AK.....	1	1	1	1	15	16	(*)	(*)
AZ.....	17	14	30	1	63,614	63,670	487,412	389,121
AR.....	117	102	137	1	106,682	72,963	1,214,883	1,123,109
CA.....	247	233	259	96	69,946	70,958	5,353,990	5,770,650
CO.....	77	73	90	10	38,758	35,892	826,975	689,834
CT.....	5	5	10	10	3,311	7,330	169,381	167,048
DE.....	5	5	14	1	10,166	11,657	103,344	104,287
FL.....	66	66	79	7	31,269	32,903	1,495,739	1,798,220
GA.....	23	21	36	29	73,432	62,437	1,258,924	1,041,170
HI.....	23	28	29	2	2,928	3,073	40,343	51,400
ID.....	65	60	81	1	45,593	39,521	635,692	461,526
IL.....	279	269	295	96	283,551	258,723	4,461,596	3,971,879
IN.....	90	82	113	1	207,903	199,119	1,907,614	1,984,718
IA.....	362	373	391	1	294,871	294,247	5,757,965	5,916,227
KS.....	239	233	257	1	205,591	218,662	2,522,196	2,153,350
KY.....	72	92	90	1	258,121	229,808	757,759	660,595
LA.....	87	70	107	1	17,965	19,240	599,988	573,244
ME.....	9	7	15	1	8,130	12,371	128,109	155,016
MD.....	29	24	43	1	51,545	63,484	561,269	562,653
MA.....	17	16	19	1	9,047	8,253	347,625	511,079
MI.....	108	100	126	1	114,526	90,355	1,787,679	1,723,739
MN.....	673	566	696	1	448,497	423,983	5,334,798	5,429,162
MS.....	151	142	167	1	116,453	92,125	980,046	907,012
MO.....	113	110	145	1	244,264	240,771	2,349,073	2,073,596
MT.....	135	120	147	1	53,209	44,764	406,273	356,290
NE.....	248	236	269	1	201,612	185,486	2,525,358	2,365,917
NV.....	4	5	15	1	183	384	25,929	36,695
NH.....	2	2	10	1	1,987	4,711	69,393	64,158
NJ.....	24	23	39	1	10,506	10,254	289,782	291,555
NM.....	20	25	29	1	5,940	4,240	64,018	59,208
NY.....	220	200	232	1	109,614	121,127	2,273,983	2,206,974
NC.....	36	34	52	1	133,697	142,198	644,939	634,302
ND.....	396	391	408	1	163,221	159,572	1,878,765	1,700,195
OH.....	167	151	185	1	149,516	149,065	2,642,056	2,347,898
OK.....	143	140	157	1	94,571	100,149	879,593	766,891
OR.....	52	50	64	1	39,034	48,195	872,507	995,643
PA.....	88	84	107	1	69,060	69,453	1,813,924	1,819,508
RI.....	1	1	4	1	458	1,215	(*)	(*)
SC.....	10	17	20	1	39,439	40,609	190,720	215,165
SD.....	233	222	250	1	151,933	136,508	1,233,611	1,214,275
TN.....	106	101	125	1	148,352	134,824	708,847	573,173
TX.....	422	387	429	1	127,735	120,058	2,083,773	2,260,932
UT.....	39	39	47	1	22,504	21,258	351,986	242,768
VT.....	10	6	15	1	5,985	12,290	359,760	406,066
VA.....	110	101	123	1	167,007	188,597	977,914	962,866
WA.....	130	122	141	1	77,567	98,729	1,511,968	1,648,096
WV.....	45	44	60	1	66,504	49,586	143,786	140,967
WI.....	368	342	394	1	319,284	308,491	4,019,918	4,234,830
WY.....	22	20	34	1	7,604	6,907	73,602	73,971
US.....	5,989	5,625			4,954,494	4,780,967	65,906,405	64,639,087
Foreign.....			15		6 264	6 249	848,419	962,353
Total.....	5,989	5,625			4,954,758	4,781,216	66,754,824	65,601,440

<sup>1</sup> Includes cooperatives headquartered both in and outside the State handling business originating in the State. No totals can be shown because of duplication. Data not available for 1985 and 1986 due to sampling methodology.

<sup>2</sup> Represents value at the first level at which cooperatives transact business for farmers. Totals may not add due to rounding.

<sup>3</sup> Data for 1983 and 1985 are shown where 1984 and 1986 data are not available. Statistics for 1984 and 1986 are presented on a national basis only.

<sup>4</sup> Dollar volume is not shown to avoid disclosing operations of individual cooperatives.

<sup>5</sup> Volume of a sugar cooperative located in Hawaii but headquartered in California is included in California.

<sup>6</sup> Sales outside the United States, sales to domestic military installations, and sales of certain products not received directly from member-patrons.

Agricultural Cooperative Service.

**Table 613.—Rural Electrification Administration: Long-term financing approved by purpose, by States and Territories, from organization (May 11, 1935) to Jan. 1, 1988 <sup>1</sup>**

State and Territory	Borrowers	Total financing			Financing to cooperative associations <sup>3</sup>		Financing by purpose			Miles of line provided for by financing <sup>6</sup>	Consumers provided for by financing <sup>6</sup>	
		REA loans	Non-REA financing		Borrowers	Amount <sup>2, 4</sup>	Distribution	Generation and transmission <sup>2, 4</sup>	Consumer facilities <sup>5</sup>			
			With REA guarantee	Without REA guarantee <sup>2</sup>								
	Number	1,000 dollars	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	1,000 dollars	Miles	Numbers		
AL.....	27	385,780	295,118	62,984	24	729,901	322,892	419,631	1,359	53,094	415,505	
AK.....	16	736,356	289,281	98,385	14	1,070,730	465,412	657,521	1,089	9,530	170,214	
AZ.....	14	187,783	387,679	34,083	8	535,433	157,471	401,584	490	12,406	106,917	
AR.....	21	599,645	869,266	157,219	20	1,625,607	516,592	1,105,067	4,471	60,495	364,222	
CA.....	10	71,340	0	3,467	7	50,321	64,589	10,161	56	6,247	73,764	
CO.....	24	879,748	1,408,474	420,080	24	2,708,303	640,409	2,067,819	74	59,485	301,753	
CT.....	0	0	0	0	0	0	0	0	0	0	0	
DE.....	1	39,866	0	11,738	1	51,604	50,740	861	3	3,847	43,381	
FL.....	18	628,825	865,457	436,796	16	1,930,866	738,469	1,190,091	2,519	50,945	606,849	
GA.....	48	877,334	4,164,469	1,429,498	46	6,471,037	1,100,816	5,367,526	2,959	115,764	1,035,837	
HI.....	0	0	0	0	0	0	0	0	0	0	0	
ID.....	10	125,216	0	21,276	10	146,491	121,621	23,674	1,197	11,471	48,363	
IL.....	31	442,878	1,003,783	129,136	30	1,575,716	399,161	1,176,425	212	54,014	233,055	
IN.....	48	367,935	1,926,888	418,775	47	2,713,168	319,634	2,393,247	716	51,128	359,954	
IA.....	55	620,978	266,758	88,595	52	974,730	406,238	569,696	397	65,674	189,596	
KS.....	38	496,488	797,147	87,562	37	1,381,191	426,729	954,053	415	71,227	192,218	
KY.....	29	849,815	2,804,630	448,723	28	4,103,166	603,008	3,499,001	1,159	73,366	570,639	
LA.....	20	547,496	3,077,621	215,575	18	3,832,195	541,700	3,298,816	177	46,058	395,618	
ME.....	4	23,659	0	632	4	24,291	20,710	3,537	44	1,737	14,676	
MD.....	2	135,708	0	34,825	2	170,534	139,839	30,695	0	10,930	112,239	
MA.....	0	0	0	0	0	0	0	0	0	0	0	
MI.....	14	298,423	817,630	34,756	14	1,150,809	229,231	921,104	473	30,242	210,013	
MN.....	52	870,512	1,285,134	267,866	50	2,422,554	733,172	1,686,995	4,346	107,982	499,599	
MS.....	29	560,810	713,709	170,679	27	1,442,499	578,132	866,372	694	75,988	555,143	
MO.....	49	1,006,222	902,129	394,682	48	2,302,998	724,347	1,577,865	821	109,403	546,155	
MT.....	26	281,879	10,398	29,809	26	322,086	258,327	63,530	229	44,009	105,843	
NE.....	36	445,579	0	29,043	4	63,261	366,679	107,381	562	75,532	170,017	
NV.....	8	70,029	1,689	7,443	3	71,213	56,369	22,544	248	5,705	17,277	
NH.....	1	100,398	146,182	8,696	1	255,276	103,050	152,194	32	4,616	64,601	
NJ.....	2	13,400	0	3,331	2	16,730	15,585	1,141	4	813	11,960	
NM.....	18	297,539	387,682	133,354	17	818,441	247,585	567,980	3,010	38,439	155,069	
NY.....	6	27,719	0	6,629	5	32,485	34,089	174	85	4,586	22,083	
NC.....	35	555,232	1,513,370	319,429	30	2,387,136	600,350	1,783,046	4,635	67,563	610,978	
ND.....	28	875,933	2,345,938	847,552	26	4,063,823	435,096	3,632,341	1,986	67,736	112,760	
OH.....	29	333,400	72,110	407,549	28	806,816	317,639	495,201	218	39,649	256,810	
OK.....	29	828,426	637,093	194,190	27	1,659,408	784,627	872,406	2,676	94,797	434,706	
OR.....	18	287,967	54,128	51,520	17	333,687	248,585	94,793	237	21,706	113,303	
PA.....	13	199,403	647,908	58,050	13	905,362	230,302	674,821	239	24,153	178,213	
RI.....	0	0	0	0	0	0	0	0	0	0	0	
SC.....	27	613,448	580,136	213,519	25	1,352,598	566,924	787,948	2,231	54,326	463,064	
SD.....	34	429,162	13,628	24,513	34	467,303	334,960	131,462	881	63,799	125,508	
TN.....	32	328,406	0	74,784	20	375,603	399,761	3,384	45	65,078	682,111	
TX.....	101	1,959,887	1,181,533	437,825	99	3,521,509	1,909,660	1,667,060	2,524	249,118	1,266,626	
UT.....	6	71,810	1,036,342	215,150	6	1,323,302	58,050	1,265,127	124	5,730	22,518	
VT.....	3	53,516	50,726	5,918	3	110,160	40,306	68,950	903	2,713	19,857	
VA.....	19	367,181	263,000	88,580	18	718,568	428,591	289,503	667	37,061	285,198	
WA.....	23	187,827	0	31,415	11	162,676	205,304	13,686	252	20,206	95,708	
WV.....	1	6,982	0	616	1	7,598	7,593	0	5	725	5,894	
WI.....	31	440,874	237,946	82,686	30	761,415	256,910	502,788	1,809	41,382	185,062	
WY.....	15	230,448	2,585	21,444	14	254,398	176,940	77,436	101	27,706	75,003	
US.....	1,101	19,709,262	30,957,567	8,260,377	987	58,204,998	17,384,194	41,495,637	47,374	2,138,181	12,505,879	
PR.....	1	238,727	0	4,744	0	0	0	210,762	32,709	0	14,811	467,091
VI.....	1	430	0	0	0	0	234	197	0	85	912	
Total.....	1,103	19,948,419	30,957,567	8,265,121	987	58,204,998	17,595,190	41,528,543	47,374	2,153,077	12,973,882	

<sup>1</sup> State total represents data for borrowers incorporated within the State.  
<sup>2</sup> Includes loans obtained by REA borrowers' affiliates specifically organized to facilitate non-REA financing.  
<sup>3</sup> Totals for other types of borrowers are as follows: Public Power Districts, 54 borrowers, \$507,783,703; municipalities and other Government authorities, 36 borrowers, \$429,763,334; power companies, 26 borrowers, \$28,562,037.  
<sup>4</sup> Includes \$30,957,566,842, REA guarantee commitments made as of Jan. 1, 1988.  
<sup>5</sup> Funds loaned to corporate borrowers for lending to individuals. Includes wiring, plumbing, and refrigeration installations.  
<sup>6</sup> Includes miles energized and consumers served, shown in tables 614 and 615.  
 Rural Electrification Administration.



Table 614.—Rural Electrification Administration: Advances to, and operating statistics of, electric borrowers, 1987, by States and Territories <sup>1</sup>

State and Territory	Total advances as of Jan. 1, 1988 <sup>2,3</sup>	Statistics for borrowers in operation								
		As of Jan. 1, 1988			Calendar year 1987					
		Borrowers	Miles energized <sup>4</sup>	Consumers served <sup>4</sup>	Kw.-hr. generated	Kw.-hr. purchased <sup>5</sup>	Kw.-hr. sales <sup>6</sup>	Total revenue <sup>6</sup>	Average monthly kw.-hr. consumption per consumer	
									All consumers	Residential consumers <sup>7</sup>
	1,000 dollars	Number	Miles	Number	1,000 kw.-hr.	1,000 kw.-hr.	1,000 kw.-hr.	1,000 dollars	Kw.-hr.	Kw.-hr.
AL.....	368,005	26	56,363	403,929	2,498,227	7,480,479	6,410,184	408,790	1,277	961
AK.....	648,572	16	9,431	151,555	2,330,679	1,709,743	2,421,766	222,537	1,826	696
AZ.....	174,714	14	16,389	118,801	1,156,226	3,180,491	2,570,858	185,312	1,772	545
AR.....	575,111	21	60,310	308,593	5,355,261	6,729,137	4,323,866	323,303	1,185	845
CA.....	69,217	9	5,348	33,392	0	381,161	350,724	24,738	1,218	728
CO.....	825,898	24	59,644	282,934	9,526,148	8,778,543	9,947,159	439,328	1,452	757
CT.....	0	0	0	0	0	0	0	0	0	0
DE.....	32,865	1	3,655	39,921	0	454,580	414,798	31,760	889	799
FL.....	571,789	18	52,192	545,468	7,625,860	6,355,742	6,886,296	501,383	1,058	860
GA.....	803,976	46	115,150	933,537	10,027,655	19,440,370	16,010,642	1,205,300	1,247	971
HI.....	0	0	0	0	0	0	0	0	0	0
ID.....	111,684	10	11,471	43,012	61	1,037,962	952,656	46,911	1,873	925
IL.....	421,504	31	53,693	209,875	1,610,566	4,851,183	3,041,501	270,686	1,231	929
IN.....	346,561	45	51,298	340,510	5,652,936	8,117,268	7,748,926	493,878	1,255	1,004
IA.....	582,945	55	64,510	172,346	2,281,591	4,025,870	3,417,745	231,178	1,393	1,174
KS.....	455,923	37	69,640	170,920	1,802,962	4,292,036	3,072,234	257,217	1,398	719
KY.....	818,669	28	72,991	488,452	15,364,503	16,634,677	20,133,538	786,561	2,567	979
LA.....	494,513	17	43,638	309,129	7,010,547	4,893,258	6,402,497	588,058	1,222	986
ME.....	22,754	4	1,779	13,489	0	104,069	93,483	9,151	587	395
MD.....	131,122	2	11,018	111,463	0	2,103,918	1,971,818	141,685	1,494	1,035
MA.....	0	0	0	0	0	0	0	0	0	0
MI.....	287,654	14	30,081	196,594	306,879	2,652,226	1,622,394	121,042	688	535
MN.....	815,968	52	107,842	471,696	6,124,564	9,741,722	9,422,923	532,977	1,133	898
MS.....	482,634	29	76,915	486,479	2,954,937	9,836,223	7,679,215	534,502	1,422	969
MO.....	935,613	47	108,728	458,321	8,647,048	17,436,002	11,627,309	539,666	1,200	882
MT.....	251,926	26	43,066	94,633	0	2,746,797	1,508,338	83,860	1,335	933
NE.....	493,013	36	69,606	157,590	0	3,841,366	1,427,956	91,651	1,548	1,090
NV.....	62,747	8	8,755	17,700	0	625,916	541,380	27,895	2,664	944
NH.....	81,213	1	4,370	58,102	0	555,133	514,960	44,261	760	579
NJ.....	11,763	2	953	11,809	0	99,909	93,859	11,018	866	743
NM.....	282,478	18	38,373	133,774	1,129,709	3,611,929	2,457,192	196,824	1,507	463
NY.....	23,494	5	4,063	18,585	0	138,795	124,611	8,130	865	811
NC.....	502,060	33	68,555	550,169	3,820,949	14,955,372	10,790,732	832,631	1,127	928
ND.....	834,857	27	66,343	99,829	16,916,899	6,867,877	14,822,012	425,151	2,164	1,163
OH.....	315,003	29	39,385	259,814	4,315,827	4,413,920	3,998,601	271,387	1,342	998
OK.....	753,355	29	93,200	336,965	3,526,303	5,816,490	5,364,720	365,314	1,257	886
OR.....	223,237	18	21,722	103,993	0	2,570,048	2,380,919	111,342	1,950	1,093
PA.....	187,108	13	24,478	165,965	863,337	2,704,989	1,600,311	182,208	793	684
RI.....	0	0	0	0	0	0	0	0	0	0
SC.....	510,746	23	51,455	405,799	1,195,909	12,653,020	7,052,341	510,471	1,255	1,036
SD.....	395,192	34	62,553	105,396	0	4,542,333	1,666,709	119,029	1,315	1,022
TN.....	295,178	32	66,558	647,673	0	13,610,560	12,748,344	765,016	1,692	1,166
TX.....	1,782,238	82	245,968	1,024,573	4,543,582	19,270,578	12,156,333	849,545	1,157	857
UT.....	64,585	6	5,617	21,366	2,309,318	2,022,773	2,795,351	117,481	4,786	862
VT.....	49,521	3	2,724	18,638	38,872	338,493	280,181	19,290	775	663
VA.....	345,926	15	37,771	274,151	1,071,277	9,241,653	4,967,285	332,931	1,483	984
WA.....	178,617	23	19,932	88,994	0	2,085,519	1,959,704	69,040	2,782	1,343
WV.....	6,657	1	718	4,670	0	35,333	35,091	2,738	628	592
WI.....	426,140	31	41,450	173,643	3,806,470	2,692,417	2,894,543	175,167	1,028	902
WY.....	208,457	15	27,392	67,597	8,698	2,539,226	2,368,461	137,151	3,019	864
US.....	18,198,202	1,056	2,127,093	11,131,844	133,823,800	258,218,006	221,072,466	13,645,494	1,358	925
PR.....	238,727	1	15,229	495,413	3,478,239	0	2,892,851	255,995	0	0
VI.....	430	1	97	853	0	0	0	0	0	0
Total.....	18,437,359	1,058	2,142,419	11,628,110	137,302,039	258,218,006	223,965,317	13,901,489	1,358	925

<sup>1</sup> State totals represent data for borrowers incorporated within the State.  
<sup>2</sup> Actual funds advanced out of REA loans approved, as shown in table 613.  
<sup>3</sup> Cumulative.

<sup>4</sup> Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Jan. 1, 1988, there were 103 such borrowers with 125,249 miles energized and 625,207 consumers served.

<sup>5</sup> Includes 150,254,562 thousands of Kw.-hr. sold by one REA borrower to another.

<sup>6</sup> Excludes energy sales and revenues of power sold by one REA borrower to another.

<sup>7</sup> Includes rural nonfarm and farm consumers.

**Table 615.—Rural Electrification Administration: Advances to, and operating statistics of, electric borrowers, United States and Territories, 1973-88**

Year	Total advances as of Jan. 1 <sup>1</sup>	Statistics for borrowers in operation							Average monthly kw.-hr. consumption per consumer	
		As of Jan. 1			During year				All consumers	Residential consumers <sup>4</sup>
		Borrowers	Miles energized <sup>2</sup>	Consumers served <sup>2</sup>	Kw.-hr. generated	Kw.-hr. purchased <sup>3</sup>	Kw.-hr. sales <sup>3</sup>	Total revenue <sup>3</sup>		
<i>1,000 dollars</i>	<i>Numbers</i>	<i>Miles</i>	<i>Number</i>	<i>1,000 kw.-hr.</i>	<i>1,000 kw.-hr.</i>	<i>1,000 kw.-hr.</i>	<i>1,000 dollars</i>	<i>Kw.-hr.</i>	<i>Kw.-hr.</i>	
1973.....	7,522,195	1,047	1,732,545	7,076,249	32,045,118	79,235,190	100,688,298	1,912,502	1,120	798
1974.....	8,070,542	1,046	1,766,701	7,457,123	32,795,053	84,520,287	105,690,807	2,316,436	1,149	803
1975.....	8,755,257	1,047	1,797,525	7,767,813	33,462,818	91,874,602	112,669,814	2,971,882	1,191	840
1976.....	9,508,607	1,050	1,827,896	8,017,654	38,660,059	100,139,618	124,004,376	3,556,049	1,254	866
1977.....	10,143,415	1,048	1,857,434	8,311,779	46,014,515	102,626,911	131,547,776	4,212,317	1,313	910
1978.....	10,868,424	1,051	1,890,173	8,630,818	52,472,215	107,477,358	141,908,005	5,009,862	1,339	937
1979.....	11,662,272	1,052	1,917,859	8,962,540	60,181,476	109,060,591	150,055,226	5,770,136	1,335	919
1980.....	12,588,246	1,050	1,950,394	9,275,086	69,536,829	111,231,691	160,243,316	6,902,533	1,361	935
1981.....	13,513,686	1,050	1,978,758	9,523,552	77,231,104	111,516,120	167,687,587	8,294,511	1,337	901
1982.....	14,454,331	1,051	2,009,504	9,844,319	81,568,123	111,574,193	172,731,820	9,691,692	1,326	905
1983.....	15,208,521	1,055	2,036,416	10,096,448	93,058,714	117,966,290	187,193,706	11,175,321	1,317	896
1984.....	15,865,444	1,060	2,057,702	10,555,401	106,753,172	125,172,354	209,063,661	12,217,509	1,364	914
1985.....	16,489,186	1,060	2,082,093	10,836,358	120,372,848	118,618,780	215,175,311	13,075,624	1,360	906
1986.....	17,093,166	1,059	2,100,005	11,110,158	120,831,669	115,456,553	215,599,260	13,502,228	1,351	920
1987.....	17,806,064	1,057	2,122,550	11,357,105	137,302,039	107,963,444	223,965,317	13,901,489	1,358	925
1988.....	<sup>5</sup> 18,437,359	1,058	2,142,419	11,628,110	.....	.....	.....	.....	.....	.....

<sup>1</sup> Cumulative from organization, May 11, 1935.

<sup>2</sup> Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Jan. 1, 1988, there were 103 such borrowers with 125,249 miles energized and 625,207 consumers served.

<sup>3</sup> Excludes energy sales and revenues of power sold by one REA borrower to another. Includes patronage capital.

<sup>4</sup> Includes rural nonfarm and farm consumers.

<sup>5</sup> Actual funds advanced out of REA loans approved, as shown in table 613.

Rural Electrification Administration.

FOOTNOTES FOR TABLE 611

<sup>1</sup> Agricultural Cooperative Service, U.S. Department of Agriculture.

<sup>2</sup> When associations marketing farm products but principally engaged in providing some other services are included, the total is 3,719.

<sup>3</sup> When associations purchasing farm supplies but principally engaged in providing some other services are included, the total is 4,151.

<sup>4</sup> Includes trucking, storage, grinding, locker plant, and other services.

<sup>5</sup> When associations providing miscellaneous services but principally engaged in marketing or farm-supply activities are included, the total is 3,621.

<sup>6</sup> Farm Credit Administration.

<sup>7</sup> Credit Union National Association, Inc.

<sup>8</sup> Rural Electrification Administration, U.S. Department of Agriculture.

<sup>9</sup> Includes associations that are REA repaid borrowers.

<sup>10</sup> Includes only memberships of associations financed by REA.

<sup>11</sup> Agriculture Research Service, U.S. Department of Agriculture.

n.a. not available.

Agricultural Cooperative Service.

**Table 616.—Farmers Home Administration: Loans made to organizations and associations for community projects, and loans outstanding, United States and Territories, 1973-88 <sup>1</sup>**

Year	Water and waste loans			Recreation loans			Watershed and flood prevention organization loans		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars
1973.....	638	430,439	1,010,804	1	484	103,514	12	8,917	44,224
1974.....	679	572,160	1,197,399	( <sup>2</sup> )	142	98,641	26	18,643	50,029
1975.....	648	456,125	1,453,806	( <sup>2</sup> )	46	100,640	13	19,800	54,972
1976.....	631	472,932	1,900,706	( <sup>3</sup> )	( <sup>3</sup> )	98,954	12	6,877	58,748
1977.....	1,076	693,046	2,143,117			91,140	8	5,166	60,916
1978.....	789	824,234	2,584,580			87,753	11	11,692	67,704
1979.....	846	876,650	2,908,602			84,649	3	4,818	67,550
1980.....	874	764,248	3,620,983			82,069	9	11,947	69,891
1981.....	765	608,059	4,220,819			79,400	5	14,858	70,674
1982.....	435	381,316	4,771,764			77,081	2	1,754	71,642
1983.....	522	593,298	5,392,308			73,993	0	110	73,064
1984.....	259	253,600	5,744,728			70,319	0	0	73,025
1985.....	363	357,565	6,187,239			66,449	1	2,233	75,011
1986.....	298	343,680	6,518,415			63,190	2	473	75,001
1987.....	275	341,935	6,667,123			59,977	0	0	72,446
1988.....			5,247,150			58,436			71,402

  

Year	Resource conservation and development and rural renewal loans			Business and industrial development loans			Community facility loans			Economic opportunity loans to cooperatives		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars
1973.....	22	3,409	12,531	4	1,169		2	212		( <sup>5</sup> )	( <sup>5</sup> )	14,422
1974.....	15	1,178	12,855	484	246,012		165	67,779				13,311
1975.....	14	1,741	13,842	622	408,435		399	276,632	8,863			12,445
1976.....	17	2,388	14,457	412	391,703	8,661	291	192,895	85,736			11,392
1977.....	8	1,006	11,764	504	377,619	11,201	282	188,397	208,381			8,566
1978.....	4	1,137	12,147	1,168	1,150,006	20,511	352	245,373	324,373			6,896
1979.....	9	1,878	12,942	1,275	1,104,011	22,256	521	274,689	463,623			6,128
1980.....	6	1,850	13,392	812	1,169,050	33,404	564	238,793	700,841			4,592
1981.....	12	1,934	14,307	385	434,787	32,916	577	219,957	937,483			4,237
1982.....	4	885	14,234	65	130,521	37,763	167	119,467	1,159,666			3,924
1983.....	3	1,207	14,397	57	114,096	38,645	129	133,961	1,363,275			3,581
1984.....		30	15,132	60	97,183	38,067	105	127,870	1,439,344			3,376
1985.....	1	500	15,530	37	54,284	41,954	152	127,095	1,508,270			2,827
1986.....	0	0	14,929	31	55,263	40,803	95	84,090	1,541,675			2,426
1987.....	0	0	14,188	53	108,753	38,042	148	110,439	1,573,277			2,151
1988.....			13,494			37,382			1,123,011			2,691

<sup>1</sup> Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency.

<sup>2</sup> Recreation association loans are made only to subsequent borrowers who received an initial loan in a prior year.

<sup>3</sup> Funding for this program is no longer available.

<sup>4</sup> Latest data available as of September 30, 1978.

<sup>5</sup> Discontinued.

Farmers Home Administration.

**Table 617.—Loans to farmers' cooperative organizations:<sup>1</sup> Outstanding amounts held by the banks for cooperatives, classified by type of loan, United States, Jan. 1, 1973-88<sup>2</sup>**

Year	Operating capital loans	Facility loans	Year	Operating capital loans	Facility loans
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973 .....	1,148,266	1,149,539	1981 .....	5,215,863	4,289,665
1974 .....	1,306,431	1,283,396	1982 <sup>1</sup> .....	4,195,537	4,927,878
1975 .....	1,991,100	1,595,388	1983 .....	3,086,662	5,115,004
1976 .....	2,109,854	1,878,007	1984 .....	4,247,476	4,736,128
1977 .....	2,721,034	2,340,635	1985 .....	3,986,367	4,650,183
1978 .....	2,900,182	2,831,537	1986 .....	2,851,369	4,912,440
1979 .....	3,028,524	3,188,501	1987 .....	2,416,795	4,588,297
1980 .....	4,369,672	3,777,786	1988 .....	3,326,506	4,387,016

<sup>1</sup> Data for 1982 are net of unearned income.<sup>2</sup> Includes Puerto Rico.

Farm Credit Administration.

**Table 618.—Telephones: Number of farms and percentage of all farms with telephone service and average monthly bill, United States, 1973-87<sup>1</sup>**

Year	Number of farms with telephone service	Percentage of all farms with telephone service	Average monthly bill	Year	Number of farms with telephone service	Percentage of all farms with telephone service	Average monthly bill
	<i>Thousands</i>	<i>Percent</i>	<i>Dollars</i>		<i>Thousands</i>	<i>Percent</i>	<i>Dollars</i>
1973 .....	2,454	87	6.45	1981 .....	2,316	95	11.50
1974 .....	2,474	88	7.16	1982 .....	2,304	97	12.80
1975 .....	2,282	91	7.87	1983 .....	2,277	96	14.40
1976 .....	2,289	92	9.00	1984 .....	( <sup>2</sup> )	( <sup>2</sup> )	15.60
1977 .....	2,258	92	9.62	1985 .....			16.40
1978 .....	2,262	93	10.30	1986 .....			( <sup>2</sup> )
1979 .....	2,273	94	10.60	1987 .....			
1980 .....	2,280	94	10.80				

<sup>1</sup> Based on an annual survey made in July and August, reporting data from the most recent bill—usually June or July.<sup>2</sup> Series discontinued.

National Agricultural Statistics Service.

**Table 619.—Rural Electrification Administration: Annual revenues and expenses reported by electric borrowers, United States, 1973-87**

Year	Operating revenue	Operating expense	Interest expense	Depreciation and amortization expense	Net margins <sup>1</sup>	Total utility plant
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	2,337,744	1,823,131	102,730	240,241	220,841	9,043,262
1974.....	2,905,127	2,387,240	128,036	262,013	180,481	10,109,337
1975.....	3,887,688	3,257,727	181,127	291,742	210,682	11,845,119
1976.....	4,725,869	3,976,370	214,947	328,245	264,606	14,031,055
1977.....	5,802,326	4,878,108	291,138	371,491	340,311	17,265,848
1978.....	7,038,706	5,924,401	386,331	431,372	389,250	20,352,316
1979.....	8,061,512	6,735,053	514,826	500,848	443,256	23,620,001
1980.....	9,706,783	8,149,970	706,931	588,533	396,977	28,444,246
1981.....	11,759,376	9,828,959	920,760	685,295	518,996	34,633,972
1982.....	13,982,308	11,391,946	1,328,619	803,108	853,332	40,045,511
1983.....	15,736,190	12,590,141	1,576,040	905,907	914,055	45,066,850
1984.....	18,002,160	14,537,839	1,871,276	1,009,377	1,043,918	48,277,970
1985.....	19,192,639	15,400,874	2,142,551	1,112,915	968,126	51,467,029
1986.....	19,942,767	15,837,161	2,381,503	1,243,538	949,786	54,498,999
1987.....	20,500,204	16,060,730	2,668,876	1,408,996	747,826	55,454,335

<sup>1</sup> Beginning 1973, includes nonoperating margins, generation and transmission capital credits, and miscellaneous revenue deductions not shown elsewhere in this table. Prior years include nonoperating margins and miscellaneous revenue deductions. Includes patronage capital.

Rural Electrification Administration.

**Table 620.—Electricity: Estimated average monthly kilowatt-hours used, cost per kilowatt-hour, and average monthly bill per farm, United States, 1973-87<sup>1</sup>**

Year	Average monthly kw.-hr. used	Cost per kw.-hr.	Average monthly bill	Year	Average monthly kw.-hr. used	Cost per kw.-hr.	Average monthly bill	Year	Average monthly kw.-hr. used	Cost per kw.-hr.	Average monthly bill
	<i>Kw.-hr.</i>	<i>Cents</i>	<i>Dol-lars</i>		<i>Kw.-hr.</i>	<i>Cents</i>	<i>Dol-lars</i>		<i>Kw.-hr.</i>	<i>Cents</i>	<i>Dol-lars</i>
1973.....	1,048	2.31	24.20	1978.....	1,334	3.98	53.20	1983.....	1,427	6.48	92.50
1974.....	1,084	2.66	28.80	1979.....	1,299	4.24	55.10	1984.....	1,440	6.83	98.00
1975.....	1,150	3.07	35.30	1980.....	1,313	4.72	61.90	1985.....	1,450	7.17	104.00
1976.....	1,305	3.35	43.70	1981.....	1,307	5.34	69.80	1986.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1977.....	1,311	3.68	48.10	1982.....	1,355	6.19	83.90	1987.....			

<sup>1</sup> Based on an annual survey made in July and August, reporting data from the most recent bill—usually June or July.

<sup>2</sup> Series discontinued.

National Agricultural Statistics Service.

**Table 621.—Rural Electrification Administration: Annual revenues, expenses, and total telephone plant reported by telephone borrowers, United States, 1973–87**

Year	Borrowers reporting	Operating revenues	Operating expenses	Interest expense	Depreciation and amortization expense	Net income or margin <sup>1</sup>	Total telephone plant <sup>2</sup>
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	831	555,318	307,457	41,246	127,728	76,801	2,964,312
1974.....	848	659,732	366,052	53,830	146,475	91,261	3,422,383
1975.....	858	753,100	422,396	66,202	166,709	95,456	3,849,740
1976.....	876	899,335	703,300	85,705	195,087	112,397	4,373,731
1977.....	896	1,086,604	854,119	101,996	232,251	131,485	5,073,933
1978.....	902	1,305,261	754,020	117,455	270,383	160,807	5,769,947
1979.....	919	1,539,743	883,890	140,605	312,337	199,589	6,557,728
1980.....	936	1,757,740	1,015,255	167,764	361,059	216,356	7,388,150
1981.....	949	2,042,065	1,186,675	192,568	423,536	261,656	8,033,999
1982.....	950	2,388,847	1,407,406	215,923	483,498	313,593	8,897,003
1983.....	949	2,642,505	1,516,428	231,580	557,648	369,061	9,531,783
1984.....	946	2,910,194	1,665,204	247,370	603,913	453,002	10,194,739
1985.....	942	3,108,223	1,793,557	261,690	627,547	492,001	10,670,875
1986.....	935	3,180,792	1,840,849	265,183	642,118	514,495	10,917,495
1987.....	920	3,339,427	1,880,660	274,736	694,991	597,680	11,621,095

<sup>1</sup> Includes other income and deductions (net) unregulated and extraordinary and delayed items beginning 1984.<sup>2</sup> Investment in physical plant and related facilities.

Rural Electrification Administration.

**Table 622.—Rural Electrification Administration and Rural Telephone Bank: Advances to, and operating statistics of, telephone borrowers, United States, 1973–88**

Year	Total advances as of Jan. 1 <sup>1</sup>		Operating statistics as of Jan. 1			Revenues for year ending Dec. 31
	REA	RTB	Borrowers reporting	Employees	Total subscribers	
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	
1973.....	1,820,970	17,492	822	16,300	2,574,814	555,318
1974.....	1,933,685	80,832	831	17,446	2,725,030	659,732
1975.....	2,070,171	207,379	848	19,580	2,919,113	753,100
1976.....	2,211,707	334,737	858	20,045	3,045,292	899,335
1977.....	2,370,610	429,329	876	21,188	3,283,223	1,086,604
1978.....	2,526,906	515,020	895	23,475	3,599,069	1,305,261
1979.....	2,674,893	660,210	902	26,270	3,877,060	1,539,743
1980.....	2,892,056	793,682	919	27,936	4,072,709	1,757,740
1981.....	3,150,443	997,293	936	28,441	4,262,359	2,042,065
1982.....	3,415,708	1,136,115	949	28,677	4,374,947	2,388,847
1983.....	3,639,548	1,242,381	950	28,805	4,545,576	2,759,681
1984.....	3,819,768	1,339,880	949	28,867	4,628,778	2,642,505
1985.....	4,002,323	1,421,596	946	28,743	4,746,909	2,910,194
1986.....	4,133,786	1,488,332	942	28,297	4,792,145	3,108,223
1987.....	4,375,927	1,555,382	935	27,805	4,832,686	3,180,792
1988 <sup>2</sup> .....	4,541,547	1,627,263	920	27,975	5,004,558	3,339,427

<sup>1</sup> Cumulative from organization, Oct. 28, 1949.<sup>2</sup> Actual funds advanced out of loans approved, as shown in table 624.

Rural Electrification Administration.

**Table 623.—Rural Electrification Administration and Rural Telephone Bank: Advances to, and operating statistics of, telephone borrowers, as of Jan. 1, 1988 and revenues for 1986, by States and Territories <sup>1</sup>**

State and Territory	Total advances as of Jan. 1, 1988 <sup>2 3</sup>		Operating statistics as of Jan. 1, 1988		Revenues for 12 months ending Dec. 31, 1986 <sup>4</sup>
	REA	RTB	Borrowers reporting	Total subscribers	
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>Number</i>	<i>1,000 dollars</i>
AL.....	117,700	60,283	25	128,655	79,885
AK.....	98,441	58,204	12	70,095	97,818
AZ.....	35,202	54,662	5	105,702	120,498
AR.....	79,647	44,302	16	180,930	107,889
CA.....	73,412	40,140	13	47,880	58,460
CO.....	38,122	17,550	17	27,676	23,278
CT.....	0	0	0	0	0
DE.....	0	0	0	0	0
FL.....	38,601	32,803	6	83,466	65,290
GA.....	205,092	96,617	25	308,049	197,483
HI.....	0	0	0	0	0
ID.....	30,655	7,720	11	15,989	13,863
IL.....	66,924	17,081	23	80,749	48,460
IN.....	87,994	16,479	27	79,878	40,403
IA.....	121,648	28,160	79	156,229	87,941
KS.....	159,055	36,058	31	136,010	96,593
KY.....	204,490	39,241	16	182,044	93,731
LA.....	79,254	26,383	13	84,323	70,133
ME.....	24,396	24,160	18	70,559	43,961
MD.....	2,061	2,327	1	3,820	1,812
MA.....	1,835	520	1	2,161	1,263
MI.....	76,243	36,527	29	134,181	59,767
MN.....	217,080	69,931	64	269,211	147,471
MS.....	78,119	8,282	17	58,179	34,449
MO.....	161,832	40,637	22	244,018	162,177
MT.....	141,020	1,980	11	36,410	35,697
NE.....	91,140	22,082	32	69,880	42,463
NV.....	5,332	7,289	3	4,067	6,650
NH.....	11,203	9,723	6	21,704	13,690
NJ.....	14,295	16,554	1	112,871	19,624
NM.....	129,395	0	8	22,630	31,485
NY.....	37,708	33,289	27	113,807	59,089
NC.....	172,578	56,972	19	298,811	157,449
ND.....	145,147	13,918	13	63,663	41,169
OH.....	24,911	3,567	15	17,779	9,904
OK.....	174,618	81,564	28	134,597	109,538
OR.....	46,861	31,011	22	54,652	46,768
PA.....	65,831	145,920	23	373,573	217,151
RI.....	0	0	0	0	0
SC.....	171,359	92,420	19	201,594	114,366
SD.....	142,529	15,842	20	54,685	34,003
TN.....	213,674	54,513	21	203,880	97,642
TX.....	382,655	104,775	43	172,085	164,643
UT.....	26,878	5,714	8	10,934	10,078
VT.....	4,785	6,645	5	11,489	7,803
VA.....	58,586	14,993	9	41,969	23,854
WA.....	33,473	13,079	14	26,936	24,450
WV.....	47,439	15,926	7	49,710	33,675
WI.....	222,158	112,648	86	302,498	149,308
WY.....	11,749	5,247	6	9,234	10,414
US.....	4,373,127	1,623,736	917	4,880,263	3,113,542
Micronesia (FM).....	0	0	0	0	0
GU.....	42,104	3,527	1	26,940	13,737
Marshall Isl. (MH).....	0	0	0	0	0
Mariana Isl. (MP).....	10,639	0	1	4,940	4,541
PR.....	115,677	0	1	92,415	48,973
Total.....	4,541,547	1,627,263	920	5,004,558	3,180,792

<sup>1</sup> Preliminary, except total advances. State totals represent data for borrowers incorporated within the State.<sup>2</sup> Actual funds advanced out of loans approved, as shown in table 636.<sup>3</sup> Cumulative.<sup>4</sup> Reported 942 borrowers.

Rural Electrification Administration.

**Table 624.—Rural Electrification Administration and Rural Telephone Bank: Telephone financing approved, route miles of line, and number of subscribers, by States, from organization (Oct. 28, 1949) to Jan. 1, 1988 <sup>1</sup>**

State	Total financing as of Jan. 1, 1988				Operating statistics for year ending Dec. 31			
	Borrowers	REA loans	RTB loans	REA guarantee commitments	Rt. mi. of line provided for by financing (total)	Subscribers provided for by financing		
						Total	To receive initial service	To receive improved service
	Number	1,000 dollars	1,000 dollars	1,000 dollars	Miles	Number	Number	Number
AL.....	26	143,013	99,056	11,901	74	1,733	1,733	0
AK.....	13	137,718	79,586	46,943	944	4,071	4,071	0
AZ.....	5	39,910	94,307	5,000	0	0	0	0
AR.....	21	98,380	49,304	35,744	67	895	895	0
CA.....	14	85,076	50,889	10,396	0	0	0	0
CO.....	18	53,317	23,013	0	12	283	283	0
CT.....	0	0	0	0	0	0	0	0
DE.....	0	0	0	0	0	0	0	0
FL.....	9	42,897	50,275	76,556	0	0	0	0
GA.....	27	227,505	143,958	82,184	88	1,733	1,733	0
HI.....	0	0	0	0	0	0	0	0
ID.....	12	34,739	10,520	0	0	0	0	0
IL.....	26	74,102	18,665	0	63	109	109	0
IN.....	36	95,013	26,380	0	9	267	267	0
IA.....	88	134,479	51,752	9,700	250	1,169	440	729
KS.....	33	203,042	43,795	20,440	20	159	159	0
KY.....	17	233,635	45,428	28,840	0	0	0	0
LA.....	19	101,946	56,283	13,651	312	3,924	3,717	207
ME.....	13	30,705	42,142	1,875	10	361	361	0
MD.....	1	2,061	2,327	0	0	0	0	0
MA.....	1	1,835	1,040	0	0	0	0	0
MI.....	34	96,655	61,965	2,953	160	1,597	1,597	0
MN.....	66	252,619	91,615	10,239	156	1,132	1,132	0
MS.....	17	91,894	17,234	5,200	0	0	0	0
MO.....	28	192,351	52,204	67,770	102	479	479	0
MT.....	12	168,642	2,144	0	119	935	935	0
NE.....	39	104,898	34,002	0	18	9	9	0
NV.....	4	7,603	8,058	0	0	0	0	0
NH.....	7	13,837	16,855	0	112	2,862	2,800	62
NJ.....	1	14,295	16,554	3,084	0	0	0	0
NM.....	8	155,068	3,134	0	1,048	647	647	0
NY.....	28	40,892	50,162	18,220	89	3,539	3,539	0
NC.....	20	195,449	131,493	31,158	734	13,976	13,976	0
ND.....	13	173,993	13,918	0	46	514	514	0
OH.....	17	27,459	7,116	0	3	52	52	0
OK.....	31	193,107	99,436	2,744	215	3,426	3,426	0
OR.....	27	58,728	43,269	18,228	51	1,344	1,344	0
PA.....	30	73,533	177,605	43,247	0	0	0	0
RI.....	0	0	0	0	0	0	0	0
SC.....	19	171,380	168,762	7,885	795	13,815	13,815	0
SD.....	20	160,037	16,454	0	49	143	143	0
TN.....	21	284,048	72,509	14,358	141	2,487	2,487	0
TX.....	60	433,004	175,514	76,131	494	1,345	1,124	221
UT.....	8	33,878	10,210	0	0	0	0	0
VT.....	5	4,785	7,464	0	30	250	250	0
VA.....	12	58,593	23,205	0	46	884	884	0
WA.....	19	37,628	19,832	0	0	0	0	0
WV.....	7	60,326	16,426	5,250	0	0	0	0
WY.....	93	241,501	147,353	23,700	2	543	543	0
WY.....	7	12,068	7,272	0	0	0	0	0
Microne- sia.....	1	41,000	0	0	18,253	6,863	5,518	1,345
GU.....	1	57,776	3,527	0	0	0	0	0
Mar- shall Isl.....	1	18,800	0	0	4,564	3,624	2,756	868
Mariana Isl.....	1	11,212	4,091	0	0	0	0	0
PR.....	1	115,877	15,117	0	0	0	0	0
US.....	1,037	5,342,109	2,403,222	673,397	29,076	75,170	71,738	3,432

<sup>1</sup> State totals represent data for borrowers incorporated within the State. Rural Electrification Administration.



## CHAPTER XI

# STABILIZATION AND PRICE-SUPPORT PROGRAMS

The statistics in this chapter relate to activities of the Commodity Credit Corporation, cropland diversion and production adjustment programs, and marketing agreement and order programs for fruits and vegetables. Statistics for Federal Milk Marketing Order programs are contained in chapter VIII.

**Table 625.—Commodity Credit Corporation: Price support granted on 1986 crop, United States and Territories <sup>1</sup>**

Commodity	Unit	Through Sept. 30, 1986	
		Quantity	Value
		<i>Millions</i>	<i>Million dollars</i>
Cotton, upland.....	Bale.....	11.0	2,700.8
Cotton, extra-long staple.....	do.....		
Seed cotton, upland.....	Pound.....	1.1	.5
Seed cotton, extra-long staple.....	do.....		
Wheat.....	Bushel.....	904.0	2,249.1
Corn.....	do.....	8,688.6	15,566.7
Honey.....	Pound.....	177.7	107.3
Milk and butterfat:			
Butter.....	Pound.....	135.1	187.9
Cheese.....	do.....	257.1	327.9
Dried milk.....	do.....	547.3	440.2
Tobacco.....	do.....	96.9	177.9
Rice, rough.....	Cwt.....	142.0	985.8
Grain sorghum.....	Bushel.....	393.3	1,041.1
Peanuts, farmers' stock.....	Pound.....	203.3	29.1
Oats.....	Bushel.....	8.9	8.4
Barley.....	do.....	242.0	360.6
Beans, dry edible.....	Pound.....	.4	6.8
Rye.....	Bushel.....	10.2	15.7
Soybeans.....	do.....	365.5	1,660.4
Sugar:			
Beets.....	Pound.....	2,954.4	522.2
Cane.....	do.....	1,416.9	241.6
Special purchase programs <sup>2</sup> .....	do.....	1,970.1	255.5
<b>Total.....</b>		<b>18,525.8</b>	<b>26,885.5</b>

<sup>1</sup> Consists of loans made and acquisitions under commodity loan and purchase programs.

<sup>2</sup> Commodities included in "Special purchase programs" for 1986 crop are wheat flour, corn products, wheat products, rolled oats, vegetable oil products, blended food products, soya flour, feed for Government facilities, foundation seeds, sorghum grits, peanut products, milled rice, brown rice, and textured soya rice.

Agricultural Stabilization and Conservation Service.

**Table 626.—Commodity Credit Corporation: Price-supported commodities owned as of Dec. 31, 1973-87 <sup>1</sup> (Inventory quantity)**

Year	Barley	Butter and butter oil	Cheese	Corn	Cotton	Dry beans	Flaxseed	Sorghum grain	Nonfat dry milk
	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million bushels</i>	<i>1,000 bales</i>	<i>Million cwt.</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million pounds</i>
1973.....	1	18	0	70	( <sup>2</sup> )	0	0.1	8	2
1974.....	( <sup>3</sup> )	17	2	6	( <sup>3</sup> )			1	172
1975.....	( <sup>3</sup> )	3	5	( <sup>3</sup> )	( <sup>2</sup> )				442
1976.....		21	5	( <sup>3</sup> )				( <sup>3</sup> )	453
1977.....	( <sup>3</sup> )	198	95	1	( <sup>2</sup> )			1	708
1978.....	1	207	35	77	( <sup>2</sup> )			37	658
1979.....	3	177	5	100	( <sup>2</sup> )			45	529
1980.....	4	331	244	254	( <sup>3</sup> )			44	707
1981.....	3	449	644	248	( <sup>3</sup> )			38	944
1982.....	5	503	945	429	( <sup>3</sup> )			47	1,377
1983.....	11	578	1,097	1,230	1			189	1,718
1984.....	13	401	918	296	0			106	1,489
1985.....	47	304	882	477				161	1,323
1986.....	85	326	819	1,265	874			398	995
1987.....	84	230	474	1,843	( <sup>2</sup> )			538	455

  

Year	Oats	Peanuts <sup>4</sup>	Rice <sup>5</sup>	Rye	Soybeans	Tung oil	Wheat	Value of all commodities owned <sup>6</sup>
	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million cwt.</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million bushels</i>	<i>Million dollars</i>
1973.....	121	( <sup>3</sup> )	( <sup>3</sup> )	15.7	0	19	139	394
1974.....	69			2.6		1	15	188
1975.....	36	365	( <sup>3</sup> )	( <sup>3</sup> )			( <sup>3</sup> )	402
1976.....	3	92	19.1				( <sup>3</sup> )	634
1977.....	( <sup>2</sup> )	( <sup>2</sup> )	18.6				34	1,104
1978.....	2		10.4	( <sup>2</sup> )	( <sup>2</sup> )		50	1,186
1979.....	3		8.1	( <sup>3</sup> )	( <sup>2</sup> )		50	1,237
1980.....	3		1.7	( <sup>3</sup> )	( <sup>2</sup> )		203	2,802
1981.....	2		( <sup>3</sup> )	( <sup>3</sup> )	( <sup>2</sup> )		191	3,779
1982.....	1		18	( <sup>3</sup> )	14		185	5,507
1983.....	1		24	1	23		376	10,597
1984.....	2		26	6	3		419	6,664
1985.....	2		43	16	124		557	8,309
1986.....	4	18	34	18	333		987	13,848
1987.....	3	75	8	18	212		883	12,331

<sup>1</sup> Commodities which were owned by CCC in some years but not shown in this table are as follows: Cottonseed and products, naval stores, wheat products, corn products, oat products, rice products, vegetable oil, honey, mixed feed, linseed oil, foundation seeds, and peanut products.

<sup>2</sup> Less than 50,000 units.

<sup>3</sup> Less than 500,000 units.

<sup>4</sup> Farmers' stock basis; includes farmers' stock equivalent of shelled peanuts.

<sup>5</sup> Rough basis; includes milled rice in rough equivalent.

<sup>6</sup> The total value of all commodities owned by CCC, including price-supported commodities not shown and commodities acquired under programs other than price-support programs.

Agricultural Stabilization and Conservation Service.

Table 627.—Commodity Credit Corporation: Loans made, United States and Territories, by crop years, 1982-87 <sup>1</sup>

Commodity	Unit	1982		1983		1984	
		Quantity pledged	Face amount	Quantity pledged <sup>2</sup>	Face amount <sup>2</sup>	Quantity pledged	Face amount
			<i>1,000 dollars</i>		<i>1,000 dollars</i>		<i>1,000 dollars</i>
Barley.....	1,000 bushels....	28,424	61,331	10,822	22,135	27,985	55,099
Corn.....	1,000 bushels....	15,485	45,889	369	1,058	2,290	6,270
Cotton.....	1,000 bales....	51	13,093				
Seed cotton.....	1,000 pounds.....						
Dry beans.....	1,000 cwt.....						
Flaxseed.....	1,000 bushels....						
Honey.....	1,000 pounds.....	39,023	23,584	30,619	19,012	42,299	27,436
Naval stores: Rosin.....	1,000 pounds.....						
Oats.....	1,000 bushels....	3,988	5,259	1,377	1,749	2,060	2,511
Peanuts.....	1,000 tons.....	104,126	21,443	38,693	6,458	92,722	9,495
Rice.....	1,000 cwt.....	4,943	41,856	86	747	3,166	27,099
Rye.....	1,000 bushels....	771	1,612	2,227	4,844	6,662	14,069
Sorghum grain.....	1,000 bushels....	39,166	115,490	427	1,126	8,952	22,969
Soybeans.....	1,000 bushels....	858	4,336				
Storage facility and equipment.....			96,217		87,803		652,183
Tobacco.....	1,000 pounds.....	161,444	308,330	116,490	234,208	79,744	141,095
Wheat.....	1,000 bushels....	325,258	1,347,820	357,469	1,309,738	175,455	579,085

  

Commodity	Unit	1985		1986		1987	
		Quantity pledged	Face amount	Quantity pledged	Face amount	Quantity pledged	Face amount
			<i>1,000 dollars</i>		<i>1,000 dollars</i>		<i>1,000 dollars</i>
Barley.....	1,000 bushels....	79,768	157,052	67,896	96,710	57,138	77,976
Corn.....	1,000 bushels....	56,868	156,478	59,188	114,611	290,323	563,745
Cotton.....	1,000 bales....			202	54,814	25	6,558
Seed cotton.....	1,000 pounds.....					1,051	562
Dry beans.....	1,000 cwt.....						
Flaxseed.....	1,000 bushels....						
Honey.....	1,000 pounds.....	37,129	23,513	66,789	40,510	46,594	29,141
Naval stores: Rosin.....	1,000 pounds.....						
Oats.....	1,000 bushels....	2,301	2,868	4,139	3,791	1,419	1,282
Peanuts.....	1,000 tons.....	176,080	21,206	8,619	758	19,343	2,700
Rice.....	1,000 cwt.....	5,980	52,777	28,179	202,790	21,474	151,429
Rye.....	1,000 bushels....	2,835	6,000	3,249	4,928	4,472	6,407
Sorghum grain.....	1,000 bushels....	59,315	154,520	43,809	82,323	77,596	146,003
Soybeans.....	1,000 bushels....	1,057	5,369	314	1,453	4,384	20,808
Storage facility and equipment.....			558,827		506,824		236,007
Tobacco.....	1,000 pounds.....	76,077	189,143	4,912	13,959	12,651	25,346
Wheat.....	1,000 bushels....	567,682	1,907,458	274,603	640,427	259,604	582,180

<sup>1</sup> Includes loans made directly by Commodity Credit Corporation.<sup>2</sup> Loans through Sept. 30, 1984.

Agricultural Stabilization and Conservation Service.

Table 628.—Commodity Credit Corporation: Selected inventory transactions, programs and commodity, fiscal year 1987

Program and commodity	Unit	Quantity					Value				
		Inventory Oct. 1, 1987	Purchases	Collateral acquired from loans	Sales <sup>1</sup>	Inventory Sept. 30, 1987	Inventory Oct. 1, 1986	Purchases	Collateral acquired from loans	Sales proceeds	Inventory Sept. 30, 1987
<b>Feed grains:</b>		<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Barley.....	Bushel.....	66,801	77,359	49,512	109,137	84,320	145,396	125,892	97,078	180,585	176,509
.....do.....	.....do.....	666,626	3,584,249	1,371,838	4,021,028	1,540,430	1,756,790	6,710,843	3,506,807	6,782,387	4,172,148
Corn products.....	Pound.....	.....	237,995	.....	237,995	.....	.....	19,006	.....	13,558	.....
Grain sorghum.....	Bushel.....	259,169	171,944	247,240	217,210	453,100	724,800	306,596	645,802	338,861	1,243,986
Sorghum grits.....	Pound.....	.....	50,902	.....	50,902	.....	.....	4,630	.....	4,723	.....
Oats.....	Bushel.....	3,261	1,180	1,366	2,539	3,269	4,496	1,395	1,824	3,372	4,516
Oats, rolled.....	Pound.....	.....	15,116	.....	15,696	.....	.....	2,206	.....	1,935	.....
Rye.....	Bushel.....	17,588	4,321	1,920	6,403	17,433	39,405	6,738	4,000	10,078	38,831
<b>Total feed grains.....</b>							2,670,887	7,177,306	4,255,511	7,285,499	5,635,990
<b>Wheat.....</b>	Bushel.....	923,395	390,128	218,510	654,287	876,752	3,491,148	1,052,224	749,962	1,771,822	3,272,227
Wheat flour.....	Pound.....	919	530,650	.....	530,650	919	.....	417,168	.....	23,394	.....
Wheat products, other.....	.....do.....	.....	493,564	.....	493,565	.....	.....	39,160	.....	35,622	.....
Rice, milled.....	Cwt.....	.....	2,997	.....	5,149	.....	4,099	29,438	.....	18,802	638
Rice, rough.....	Cwt.....	35,217	10,621	2,629	36,503	9,520	308,914	72,228	21,311	142,051	79,594
Rice, brown.....	Cwt.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cotton, extra long staple.....	Bale.....	.....	.....	.....	.....	.....	7,570	.....	2,651	5,504	1,760
Upland.....	.....do.....	818	4,821	.....	5,671	.....	218,786	1,239,734	31,014	935,833	21,786
<b>Dairy products:</b>											
Butter.....	Pound.....	315,688	135,120	.....	208,597	202,971	491,340	187,912	.....	4,893	311,028
Cheese.....	.....do.....	871,756	257,129	.....	701,261	462,543	1,203,740	327,862	.....	21,034	636,527
Milk, dried.....	.....do.....	1,201,861	547,348	.....	1,190,956	501,007	1,047,163	440,175	.....	31,818	424,870
Milkfat, anhydrous.....	.....do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total dairy products.....</b>							2,742,243	955,949	5,060,449	57,745	1,372,425

Oils and oilseeds:										
Peanuts, farmers' stock.....	Pound.....									
Peanut products.....	do.....		3,901		3,901		4,121			
Peanut butter.....	do.....	557	8,768		8,768	557	7,300			
Peanut oil, crude.....	do.....									
Peanut oil, refined.....	do.....									
Soya flour.....	do.....									
Soybeans.....	Bushel.....	171,044	36,418	255,932	229,880	232,030	896,922	177,643	1,288,397	1,186,876
Totals oils and oilseeds.....							896,922	189,064	1,288,397	1,186,876
Blended foods.....	Pound.....		324,864		381,377			40,177		43,851
Grains and seeds:										
Feed for Government facilities.....	Cwt.....									
Foundation seeds.....	Pound.....									
Total grains and seeds.....								40,177		43,851
Peas, dry whole.....	Pound.....		12,593		12,593		2,213			2,258
Honey.....	do.....	86,669	2,679	88,049	115,213	56,983	67,533	1,509	55,759	2,091
Denatured alcohol.....	Gallon.....									43,417
Sugar, cane and beet.....	Pound.....	789,577	299,758		710,072	66,682	145,138	33,012		90,970
Vegetable oil products.....	do.....		309,877		309,877		69,509			64,617
Total inventory operations.....							10,533,240	10,948,691	6,404,605	11,666,935
										11,631,449

<sup>1</sup> Sales do not reflect commodity donations.  
Agricultural Stabilization and Conservation Service.

**Table 629.—Commodity Credit Corporation: Cost value of export and domestic commodity dispositions, by type of disposition, fiscal year 1987 <sup>1</sup>**

Commodity	Export		Domestic				Total export and domestic	
	Public law 480 Title II	Total export	Dollar sales	Transfers to other Government agencies	Donations <sup>1</sup>	Inventory adjustments and other recoveries (domestic)		Total domestic
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
<b>Feed grains:</b>								
Barley.....			190,530		1,353		191,883	191,883
Corn.....	8,165	8,165	7,780,145		1,114		7,781,259	7,789,424
Corn products.....	13,291	13,291			5,711		5,711	19,002
Grain sorghum.....	2,971	2,971	423,849		122	2,606	426,577	429,548
Sorghum grits.....	4,630	4,630						4,630
Oats.....			3,203				3,203	3,203
Oats, rolled.....	1,902	1,902			552		552	2,454
Wheat.....	54,110	54,110	1,910,778		837		1,911,615	1,965,725
Wheat flour.....	22,933	22,933			22,351		22,351	45,284
Wheat products, other.....	34,920	34,920			2,829		2,829	37,749
Rice, milled.....	31,611	31,611			20,699		20,699	52,310
Rice, rough.....			300,237				300,237	300,237
Rice, brown and textured soy blend								
Cotton, extra long staple and upland.....			1,476,127				1,476,127	1,476,127
Rye.....			11,470				11,470	11,470
<b>Dairy products:</b>								
Butter.....	2,184	2,184	3,735		292,969		296,704	298,888
Cheese.....	4,906	4,906	29,580		854,926	1	884,507	889,413
Milkfat, anhydrous.....								
Milk, dried.....	206,369	206,369	73,875		117,286	1,744	192,905	399,274
<b>Oils and oilseeds:</b>								
Peanut products.....					4,121		4,121	4,121
Peanut butter.....					7,306		7,306	7,306
Peanuts, farmer's stock.....								
Soya flour.....								
Soybeans.....			1,165,903			1,736	1,167,639	1,167,639

Blended foods.....	89,139	89,139						89,139
Grains and seeds:								
Feed for Government facilities.....								
Foundation seeds.....								
Peas, dry whole.....	2,213	2,213						2,213
Honey.....			6,496		87,551		94,047	94,047
Sugar, cane and beet.....			169,413				169,413	169,413
Vegetable oil products.....	63,345	63,345			6,174		6,174	69,519
Total <sup>2</sup> .....	542,689	542,689	13,545,341		1,425,901	6,087	14,977,329	15,520,018

<sup>1</sup> Includes donations under Sections 202, 407, 416, Section 210, P.L. 85-540 and miscellaneous donations under various other authorizations.

<sup>2</sup> Totals may not add due to rounding.

Agricultural Stabilization and Conservation Service.

**Table 630.—Commodity Credit Corporation: Loan transactions for fiscal year 1987, by commodities<sup>1</sup>**

Commodity	Unit	Loans outstanding Oct. 1, 1986 <sup>2</sup>	New loans made	Repayments	Collateral acquired in settlement	Loans written off <sup>3</sup>	Loans outstanding Sept. 30, 1987	
							Value <sup>2</sup>	Quantity collateral remaining pledged
		1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 units
<b>Basic commodities:</b>								
Corn	Bushel	7,878	9,465	6,579	3,336	4	7,424	3,383
Cotton	Bale	1,076	1,436	2,027	36		449	1
Seed cotton	Pound		1				1	6
Peanuts	Ton	1	81	22		10		1
Rice	Cwt	243	859	834	18		38	250
Tobacco	Pound	2,336	200	466			2,071	902
Wheat	Bushel	3,753	1,170	1,374	713	1	2,836	918
<b>Total</b>		<b>15,287</b>	<b>13,162</b>	<b>11,302</b>	<b>4,103</b>	<b>15</b>	<b>12,819</b>	<b>5,461</b>
<b>Designated nonbasic commodities:</b>								
Barley	Bushel	470	223	191	90		237	413
Sorghum	do	906	817	298	621		803	382
Honey	Pound	86	95	62	51		66	109
Oats	Bushel	11	5	7	2		8	7
Rye	do	9	10	6	3		9	6
Sugar, beet	Pound	130	487	468			149	865
Sugar, cane	do	164	259	300			124	708
<b>Total</b>		<b>1,776</b>	<b>1,896</b>	<b>1,332</b>	<b>767</b>		<b>1,396</b>	<b>2,490</b>
<b>Other nonbasic commodities:</b>								
Soybeans	Bushel	1,430	1,508	1,157	1,274	2	506	110
<b>Total</b>		<b>1,430</b>	<b>1,508</b>	<b>1,157</b>	<b>1,274</b>	<b>2</b>	<b>506</b>	<b>110</b>
<b>Other loans:</b>								
Storage facility and equipment		174		104		5	65	
<b>Total</b>		<b>174</b>		<b>104</b>		<b>5</b>	<b>65</b>	
<b>Grand total</b>		<b>18,667</b>	<b>16,566</b>	<b>13,895</b>	<b>6,144</b>	<b>22</b>	<b>14,786</b>	<b>8,061</b>

<sup>1</sup> Loans made directly by Commodity Credit Corporation.<sup>2</sup> Book value of outstanding loans; includes face amounts and any charges paid.<sup>3</sup> Includes transfers to accounts receivable.

Agricultural Stabilization and Conservation Service.



**Table 631.—Commodity Credit Corporation: Commodities outstanding under price-support loan as of Dec. 31, 1973-87 <sup>1</sup> (Loans quantity)**

Year <sup>2</sup>	Barley	Corn	Cotton <sup>3</sup>	Dry beans	Flaxseed	Sorghum grain	Oats
	<i>Million bushels</i>	<i>Million bushels</i>	<i>1,000 bales</i>	<i>Million cwt.</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
1973 .....	22	190	900	0.1	0.1	14	46
1974 .....	4	49	960	.1	( <sup>4</sup> )	2	3
1975 .....	6	110	333			6	3
1976 .....	12	206	2,186			16	4
1977 .....	65	765	2,576			157	60
1978 .....	94	1,038	919			149	68
1979 .....	73	801	710			83	46
1980 .....	35	966	851			24	9
1981 .....	53	1,234	1,485			181	7
1982 .....	101	2,400	5,561			402	9
1983 .....	124	1,450	3,134			254	8
1984 .....	144	1,056	1			221	6
1985 .....	236	2,811	5			392	7
1986 .....	275	4,905	5			421	12
1987 .....	245	4,436	2			338	7

  

Year <sup>2</sup>	Peanuts	Rice	Rye	Soybeans	Tobacco	Wheat	Value of all loans outstanding <sup>5</sup>
	<i>Million pounds</i>	<i>Million cwt.</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million bushels</i>	<i>Million dollars</i>
1973 .....	956	13.6	0.6	99	561	32	11,266
1974 .....	995	6.1	.1	19	305	20	681
1975 .....	1,135	8.9	.1	( <sup>4</sup> )	335	32	871
1976 .....	841	10.5	.1	13	585	223	1,786
1977 .....	302	15.0	.6	68	665	740	5,414
1978 .....	243	19.1	2.5	44	644	588	5,655
1979 .....	608	20.2	2.1	73	686	373	4,955
1980 .....	294	20.5	.4	72	678	366	4,783
1981 .....	530	16.3	.3	161	596	660	7,807
1982 .....	249	53.7	1.2	358	809	1,121	17,917
1983 .....	228	45.0	4.6	81	1,028	1,107	12,801
1984 .....	217	45.0	10.0	178	1,243	911	11,021
1985 .....	946	51.2	5.0	439	1,411	1,387	20,619
1986 .....	122	78.3	5.4	358	986	1,151	21,642
1987 .....	448	34.4	6.7	251	782	890	17,260

<sup>1</sup> Commodities which were under loan on Dec. 31 in some years but not shown in this table are as follows: Cottonseed, honey, naval stores, tung oil, and almonds.

<sup>2</sup> Not necessarily from the crop of the year shown; may include quantities under resale from crop of previous years.

<sup>3</sup> Includes extra-long staple.

<sup>4</sup> Less than 500,000 units.

<sup>5</sup> Value of all commodities outstanding under loan, including those not shown.

Agricultural Stabilization and Conservation Service.

Table 632.—Commodity Credit Corporation: Investment in price-support operations, by quarters, 1973-87

Date	Inventory after revalu- ation	Loans held CCC	Total loans outstand- ing	Total invest- ment
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1973: <sup>1</sup>				
March.....	660.0	2,088.7	2,088.7	2,748.7
June.....	478.7	1,143.9	1,143.9	1,622.6
September.....	439.4	703.9	703.9	1,143.3
December.....	393.7	1,265.9	1,265.9	1,659.6
1974:				
March.....	359.3	885.8	885.8	1,245.1
June.....	114.2	449.2	449.2	563.4
September.....	172.8	394.6	394.6	567.4
December.....	188.2	681.8	681.8	870.0
1975:				
March.....	253.5	619.2	619.2	872.7
June.....	416.1	333.6	333.6	749.7
September.....	453.7	506.5	506.6	960.2
December.....	402.4	871.0	871.0	1,273.4
1976:				
March.....	555.8	762.2	762.2	1,318.0
June.....	658.6	480.5	480.5	1,339.1
September.....	607.2	707.7	707.7	1,314.9
December.....	634.3	1,786.5	1,786.5	2,420.8
1977:				
March.....	682.9	1,990.5	1,990.5	2,673.4
June.....	824.9	2,142.7	2,142.7	2,967.6
September.....	984.9	3,009.0	3,009.0	3,993.9
December.....	1,104.4	5,414.0	5,414.0	6,518.4
1978:				
March.....	1,052.5	5,827.9	5,827.9	6,880.4
June.....	1,068.3	4,591.3	4,591.3	5,659.6
September.....	1,029.0	4,230.4	4,230.4	5,259.4
December.....	1,185.9	5,655.6	5,655.6	6,841.5
1979:				
March.....	1,186.2	6,245.4	6,245.4	7,431.6
June.....	1,192.4	5,328.4	5,328.4	6,520.8
September.....	1,162.2	3,885.8	3,885.8	5,048.0
December.....	1,236.8	4,954.6	4,954.6	6,191.5
1980:				
March.....	1,484.3	5,374.9	5,374.9	6,859.2
June.....	2,486.0	4,765.4	4,765.4	7,251.4
September.....	2,737.0	3,648.7	3,648.7	6,385.7
December.....	2,802.2	4,783.0	4,783.0	7,585.2
1981:				
March.....	3,066.9	5,629.3	5,629.3	8,696.2
June.....	3,587.9	3,858.5	3,858.5	7,446.4
September.....	3,726.8	3,789.7	3,789.7	7,516.5
December.....	3,778.7	7,807.4	7,807.4	11,586.1
1982:				
March.....	4,106.4	11,070.3	11,070.3	15,176.7
June.....	4,623.0	9,676.2	9,676.2	14,299.2
September.....	5,103.2	10,423.6	10,423.6	15,526.8
December.....	5,506.9	16,789.4	16,789.4	22,296.3
1983:				
March.....	5,901.5	19,389.1	19,389.1	25,290.6
June.....	7,165.2	17,222.9	17,222.9	24,388.1
September.....	10,227.4	14,075.8	14,075.8	24,303.2
December.....	10,596.6	12,801.1	12,801.1	23,397.7
1984:				
March.....	9,967.5	11,366.1	11,366.1	21,333.6
June.....	8,001.6	8,782.4	8,782.4	16,784.0
September.....	7,858.2	7,855.5	7,855.5	15,213.7
December.....	6,663.5	11,020.9	11,020.9	17,684.4
1985:				
March.....	6,399.4	12,665.7	12,665.7	19,065.1
June.....	6,517.6	11,152.1	11,152.1	17,669.7
September.....	6,920.9	12,233.2	12,233.2	19,154.1
December.....	8,308.6	20,619.5	20,619.5	28,928.1
1986:				
March.....	8,888.4	23,829.8	23,829.8	32,718.1
June.....	10,303.5	21,153.8	21,153.8	31,457.3
September.....	11,049.6	18,494.2	18,494.2	29,543.8
December.....	13,847.7	21,641.5	21,641.5	35,489.2
1987:				
March.....	14,674.2	21,513.3	21,513.3	36,187.5
June.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> Reflects total CCC loans and inventories.<sup>2</sup> No data available.

Agricultural Stabilization and Conservation Service.

**Table 633.—Agricultural Stabilization and Conservation programs: Payments received, by States, 1987**

State	Payments	State	Payments	State	Payments
	<i>1,000 dollars</i>		<i>1,000 dollars</i>		<i>1,000 dollars</i>
AL.....	125,228	MD.....	48,962	RI.....	119
AK.....	2,378	MA.....	4,832	SC.....	114,086
AZ.....	97,339	MI.....	391,144	SD.....	503,975
AR.....	397,644	MN.....	1,193,847	TN.....	156,746
CA.....	462,012	MS.....	302,539	TX.....	1,438,710
CO.....	341,145	MO.....	489,798	UT.....	44,510
CT.....	4,519	MT.....	351,401	VT.....	7,067
DE.....	12,176	NE.....	1,273,844	VA.....	87,284
FL.....	42,533	NV.....	3,007	WA.....	292,171
GA.....	245,186	NH.....	2,807	WV.....	10,504
HI.....	377,506	NJ.....	11,386	WI.....	405,970
ID.....	234,373	NM.....	92,861	WY.....	35,365
IL.....	1,477,640	NY.....	109,304	PR.....	409
IN.....	670,244	NC.....	190,173	VI.....	15
IA.....	1,907,684	ND.....	719,038	Undistributed.....	
KS.....	965,447	OH.....	431,877		
KY.....	178,336	OK.....	361,681	Total <sup>1</sup> .....	16,737,272
LA.....	209,299	OR.....	127,438		
ME.....	8,110	PA.....	71,766		

<sup>1</sup> Total may not add due to rounding.

Agricultural Stabilization and Conservation Service.

**Table 634.—Agricultural Stabilization and Conservation Service program: Payments to producers, by program and commodity, United States, 1983-87**

Program and commodity	1983	1984	1985	1986	1987
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Feed grain.....	1,346,033	366,739	2,860,522	5,158,038	8,489,993
Rice.....	277,628	191,783	577,234	418,004	474,853
Wheat.....	864,179	1,795,151	1,949,621	3,499,721	2,931,266
Cotton, upland.....	662,289	274,658	1,106,244	1,042,392	1,204,298
Wool and mohair.....	85,550	117,578	97,596	111,922	143,724
Milk indemnity.....	6,121	536,072	428,568	624,394	71
Beekeepers indemnity.....					
Appalachian region conservation.....					
Agricultural conservation (REAP, RECP).....	165,624	165,541	168,767	123,624	155,813
Forestry incentive.....	9,107	9,668	11,222	10,764	9,021
Emergency conservation measures.....	9,926	14,591	8,756	6,361	4,298
Drought and flood conservation.....					
Waterbank.....	10,136	9,785	9,667	9,357	8,645
Emergency feed.....	26,006	42	23	29,713	61,172
Emergency livestock feed.....					
Extended storage.....	55,241	333,075	248,343	446,769	207,233
Potato diversion.....					
Grand total.....	4,040,856	3,905,813	7,602,268	11,481,059	13,690,387

Agricultural Stabilization and Conservation Service.

Table 635.—Commodity Credit Corporation: Loans made in fiscal year for 1987, by States and Territories <sup>1</sup>

State or Territory	Barley	Corn	Cotton	Sorghum	Peanuts	Tobacco	Wheat	Other <sup>2</sup>	Total
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....		4,111	65,595	217	41		226	9,688	79,878
AK.....									
AZ.....	8	2,848	91,410	121	55		432	8,325	103,199
AR.....		3,292	129,095	20,429			4,052	409,433	566,301
CA.....	1,174	3,438	209,236	31	232		7,420	219,956	441,487
CO.....	3,271	103,723		8,431			35,348	163,453	314,226
CT.....		277						3	280
DE.....	82	4,224					13	802	5,121
FL.....		1,301	5,001	16	936		36	184,417	191,707
GA.....	3	18,563	31,213	225	19,699		928	6,362	76,993
HI.....								565	565
ID.....	18,526	641					59,638	3,554	82,359
IL.....		1,730,219		5,421			2,638	224,566	1,962,844
IN.....		689,088		154			701	112,543	802,486
IA.....	8	2,094,610		248			32	489,616	2,584,514
KS.....	87	218,497	24	292,743			115,929	32,420	659,700
KY.....	3	98,991		725		61,792	845	16,745	179,101
LA.....		1,207	134,565	5,814			50	173,187	314,823
ME.....	13	96						975	1,084
MD.....	111	21,018					63	2,454	23,646
MA.....		104						40	144
MI.....	244	263,753		23			1,663	71,243	336,926
MN.....	48,466	832,511		9			137,815	458,080	1,476,881
MS.....		3,758	231,774	6,320			285	67,758	309,895
MO.....	4	254,690	45,440	55,199			1,869	119,987	477,189
MT.....	20,929	132					160,362	2,310	183,733
NE.....	792	1,094,081		169,035			44,171	82,092	1,390,171
NV.....	212						691	71	974
NH.....									
NJ.....	17	4,944					13	965	5,939
NM.....	221	5,358	9,983	8,193	16		2,563	374	26,708
NY.....	158	39,019					1,815	22,128	63,120
NC.....	21	74,424	22,003	122	602	84,242	342	9,232	190,988
ND.....	103,047	70,040		109			321,742	52,021	546,959
OH.....		389,350		36			1,487	85,550	476,611
OK.....		5,106	24,641	14,555			77,609	10,924	132,835
OR.....	2,368	642					16,094	948	20,052
PA.....	71	32,238		6			217	1,596	34,128
PR.....						132			132
SC.....	10	10,541	13,505	3			376	4,160	28,595
SD.....	23,112	251,815		10,165			125,441	58,468	469,001
TN.....	6	41,774	86,694	4,423		24,829	801	28,267	186,794
TX.....	27	113,794	360,862	131,692	6,728		26,551	179,761	819,415
UT.....	553	350					4,188	115,859	120,950
VT.....		38						18	56
VA.....	260	9,797	21	62	797	1,634	381	5,640	18,592
WA.....	10,533	6,297					36,523	1,963	55,316
WV.....		1,599						125	1,724
WI.....	165	331,507		8		5,070	572	114,091	451,413
WY.....	234	3,027					4,972	604	8,837
Total.....	234,736	8,836,833	1,461,062	734,535	29,106	177,887	1,196,894	3,553,339	16,224,392

<sup>1</sup> Loans made directly by Commodity Credit Corporation. As far as possible, loans have been distributed according to the location of producers receiving the loans. Direct loans to cooperative associations for the benefit of members have been distributed according to the location of the association.

<sup>2</sup> Includes storage facility loans.

Agricultural Stabilization and Conservation Service.

Table 636.—Fruit, vegetable, and tree nut marketing agreement and order programs

Program	Estimated number of commercial producers	Farm value
	<i>Number</i>	<i>1,000 dollars</i>
Citrus fruits (1986-87 season):		
California and Arizona Navel and miscellaneous oranges.....	3,855	251,135
California and Arizona Valencia oranges.....	3,543	179,279
California and Arizona lemons.....	2,900	155,093
Florida oranges, grapefruit, tangerines, and tangelos <sup>1</sup> .....	17,000	257,442
Florida limes.....	230	19,569
Texas oranges and grapefruit.....	2,500	8,797
Deciduous fruits (1987 season):		
California Bartlett pears, plums, and freestone peaches.....	2,800	139,349
California nectarines.....	815	65,532
California olives.....	1,375	41,991
California desert grapes.....	88	73,700
California Tokay grapes.....	390	1,185
California kiwifruit (implemented 10-2-84).....	1,200	18,886
Colorado peaches.....	250	3,814
Florida avocados.....	330	9,048
Georgia peaches.....	126	17,758
Washington apricots.....	190	2,765
Washington sweet cherries.....	1,115	55,935
Washington peaches.....	390	7,076
Washington, Oregon, and California winter pears.....	1,817	68,964
Washington and Oregon Bartlett pears.....	1,900	14,497
Washington and Oregon prunes.....	375	1,493
Cranberries.....	992	189,959
Hawaiian papayas.....	200	10,808
Dried fruits (1987 season):		
California dates.....	150	15,889
California dried prunes.....	1,200	166,440
California raisins.....	5,000	296,434
Vegetables (1986-87 season):		
Florida celery.....	13	43,344
Florida tomatoes.....	170	489,405
Idaho and eastern Oregon onions.....	337	82,600
South Texas lettuce.....	33	5,655
South Texas melons.....	79	32,133
South Texas onions.....	160	69,575
Texas tomatoes.....	25	6,682
Potatoes (1986-87 season):		
Colorado.....	330	91,422
Idaho and eastern Oregon.....	3,793	397,585
Maine.....	750	131,580
Oregon and Northern California.....	469	112,437
Southeastern States (Virginia-North Carolina).....	169	79,171
Washington.....	361	266,385
Nuts (1987 season):		
California almonds.....	7,500	615,000
California walnuts.....	8,000	234,650
Oregon and Washington filberts.....	1,063	20,902
Peanuts <sup>2</sup> .....	45,000	823,000
Spearmint oil (1987 season) <sup>3</sup> .....	253	20,068
Total (43 programs).....	(*)	5,594,432

<sup>1</sup> Includes Indian River and Interior grapefruit programs.

<sup>2</sup> Marketing agreement only; covers States of Alabama, Florida, Georgia, Mississippi, South Carolina, Arizona, Arkansas, California, Louisiana, New Mexico, Oklahoma, Texas, Missouri, North Carolina, Tennessee, and Virginia.

<sup>3</sup> Marketing order regulating the handling of spearmint oil produced in the states of Washington, Idaho, Montana, Nevada, Utah, Oregon, and California. Farm value represents a two State value for Idaho and Washington.

<sup>4</sup> Total not shown because of duplication by producers growing more than one commodity.

Agricultural Marketing Service.

## CHAPTER XII

# AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Statistics in this chapter concern conservation of various resources, particularly soil, water, and timber. Forestry statistics include area of private and public-owned forest land, timber production, imports and exports, pulpwood consumption and paper and board production, area burned over by forest fires, livestock grazing, and recreational use of national forest lands. Data on production, supply, and distribution of naval stores are included because of their close association with forestry statistics.

**Table 637.—Agricultural Conservation Program and Emergency Conservation Program: <sup>1</sup> Assistance to farmers for carrying out conservation and pollution abatement practices, United States and Caribbean area, by program years, 1973-78 and fiscal years 1979-86**

Year	Agricultural Conservation Program <sup>2</sup>	Emergency Conservation Program	Total
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	195,600	24,930	220,529
1974.....	74,475	8,560	83,035
1975.....	138,700	7,405	146,105
1976.....	134,731	15,142	149,873
1977.....	175,347	18,952	194,299
1978.....	180,940	16,318	197,258
1979 <sup>3</sup> .....	245,843	23,418	269,261
1980.....	183,686	21,818	205,504
1981.....	193,209	15,410	208,619
1982.....	168,339	4,251	172,590
1983.....	184,986	10,300	195,286
1984.....	160,278	12,638	172,916
1985.....	178,801	10,700	189,501
1986.....	137,305	7,410	144,715

<sup>1</sup> For 1973, the Rural Environmental Assistance Program was successor to the Agricultural Conservation Program. In 1974, the Rural Environmental Conservation Program was successor to REAP. In 1975, ACP was successor to RECP.

<sup>2</sup> Excludes administrative expenses. Includes Forestry Incentives Program in 1974, and Long-Term Agreements from 1975.

<sup>3</sup> Because of the change to fiscal year funding in 1979, data for the period October 1, 1978-December 31, 1978 is included in the 1978 program year and the 1979 fiscal year.

Agricultural Stabilization and Conservation Service. Totals are from unrounded data.

**Table 638.—Agricultural Conservation Program and Emergency Conservation Program: Participation and assistance, by States and Caribbean area, 1986 fiscal year**

State or Territory	Agricultural conservation program					Emergency conservation program		
	Participating farms	Area served	Assistance			Participating farms	Area served	Assistance
			Regular	Long term	Total assistance			
	Number	1,000 acres	1,000 dollars	1,000 dollars	1,000 dollars	Number	1,000 acres	1,000 dollars
AL.....	2,706	80	2,466	750	3,216	584	15	1,059
AK.....	65	7	157	63	220			
AZ.....	450	212	978	323	1,301	1	( <sup>1</sup> )	12
AR.....	3,245	126	2,213	337	2,550			
CA.....	1,382	148	3,167	329	3,496	118	27	482
CO.....	2,285	293	3,157	683	3,840	480	55	495
CT.....	856	24	259	28	287			
DE.....	290	11	164	15	179			
FL.....	1,858	85	2,182	404	2,586			
GA.....	3,157	90	2,848	427	3,275	135	7	206
HI.....	158	38	268	57	325	27	35	101
ID.....	1,318	126	1,993	536	2,529	14	3	70
IL.....	3,054	65	3,759	930	4,689	8	1	37
IN.....	2,501	70	1,853	332	2,185	42	3	25
IA.....	3,982	84	4,136	598	4,734	25	1	52
KS.....	2,858	111	2,766	832	3,598	2	( <sup>1</sup> )	1
KY.....	4,654	83	3,064	676	3,740			
LA.....	3,146	134	2,147	350	2,497			
ME.....	1,294	49	1,046	511	1,557	18	( <sup>1</sup> )	22
MD.....	602	9	678	90	768			
MA.....	941	21	386	80	466	11	( <sup>1</sup> )	14
MI.....	4,229	164	2,056	532	2,588	21	2	44
MN.....	3,999	115	3,516	381	3,897	10	( <sup>1</sup> )	10
MS.....	3,538	100	3,091	464	3,555	460	37	358
MO.....	4,688	103	4,471	497	4,968	13	1	12
MT.....	1,754	579	2,198	592	2,790	35	141	216
NE.....	2,405	255	2,401	1,081	3,482	12	1	19
NV.....	291	38	588	196	784	42	31	259
NH.....	443	32	377	38	415			
NJ.....	845	45	357	35	392			
NM.....	877	574	1,112	241	1,353	43	7	203
NY.....	2,465	56	2,054	579	2,633	1	( <sup>1</sup> )	3
NC.....	13,058	238	2,234	547	2,781	29	6	21
ND.....	4,003	322	2,473	801	3,274			
OH.....	2,632	54	2,097	484	2,581	4	( <sup>1</sup> )	8
OK.....	3,478	156	3,232	335	3,567	7	( <sup>1</sup> )	4
OR.....	1,375	116	2,061	470	2,531			
PA.....	2,904	52	2,343	336	2,679	122	6	113
RI.....	167	3	44	9	53			
SC.....	1,859	63	1,445	234	1,679	1	( <sup>1</sup> )	3
SD.....	3,054	260	1,874	179	2,053	62	3	54
TN.....	5,181	87	2,802	515	3,317			
TX.....	8,605	960	9,944	1,514	11,458	16	4	32
UT.....	909	137	1,349	1,665	3,014	108	10	255
VT.....	356	10	573	97	670			
VA.....	3,834	72	1,891	275	2,166	658	27	991
WA.....	1,849	196	3,177	348	3,525	11	2	12
WV.....	2,518	41	1,254	194	1,448	823	53	2,043
WI.....	3,451	56	2,819	358	3,177	31	1	23
WY.....	520	150	850	348	1,198	23	4	38
US.....	<sup>2</sup> 126,089	6,900	104,370	21,696	126,066	3,997	483	7,297
PR.....	715	12	611	38	649			
VI.....	6	( <sup>1</sup> )	8	0	8			
Total.....	<sup>3</sup> 126,810	6,912	104,989	21,734	126,723	3,997	483	7,297

<sup>1</sup> Less than 500 acres served.

<sup>2</sup> Less than \$500.

<sup>3</sup> Totals are net totals and may not add.

Agricultural Stabilization and Conservation Service. Totals are the sum of rounded data.

Table 639.—Agricultural Conservation Program: Selected conservation and pollution abatement practices performed, by States and Caribbean area, 1986 fiscal year

State or Territory	Regular and long-term agreements						
	Diversions (area served)	Conservation tillage	Permanent wildlife habitat (area served)	Sediment retention, erosion, or water control structures	Sod waterways (area served)	Windbreaks (area served)	Irrigation water conservation (area served)
	Acres	Acres	Acres	Number	Acres	Acres	Acres
AL.....	740	9,340	40	101	2,768		
AK.....	16	4,643			95	474	
AZ.....	160			39	183		11,101
AR.....	168	5,333		388	55		36,932
CA.....	1,166	8,705		255		772	48,182
CO.....	1,944	10,520	667	72	1,653	36	93,330
CT.....	72	889		4	148		
DE.....	10	6,943	19	54	6	100	
FL.....	10	2,651		964	367		8,930
GA.....	49	5,280	9	4	2,701		
HI.....	86			5	106	551	520
ID.....	518	44,729		125	3,338	55	21,581
IL.....	1,007	10,478	183	766	16,821	17	
IN.....	635	15,343	22	1,053	6,364	6	
IA.....	131	32,140	919	207	2,460	574	
KS.....	3,192	1,013	377	75	5,764	101	6,703
KY.....	2,237	10,411	26	298	9,214		
LA.....		3,876		1,262	858		13,190
ME.....	1,078	12,199		271	1,016		
MD.....	102			35	465		
MA.....	107	574		8	4		442
MI.....	2,708	56,516	1,756	377	4,031	1,642	
MN.....	744	45,964	4,652	262	7,133	12,914	
MS.....	804	4,485	67	1,384	203		2,600
MO.....	984	5,258	203	321	2,981		
MT.....	661	38,366	15	5	1,076	1,854	20,528
NE.....	2,256		40	161	2,835	1,831	10,407
NV.....	160			3			23,950
NH.....	96	63	26	7	53		
NJ.....	230	1,522		1	603		99
NM.....	6,342	2,573		216		13	15,116
NY.....	2,463	12,656	62	28	739	31	320
NC.....	244	26,886	64	155	3,320	50	
ND.....	2,359	50,908	4,913	1	14,117	56,877	360
OH.....	191	10,643	130	1,500	10,992	943	
OK.....	9,044	1,497	243	407	19,808	354	8,155
OR.....	1,718	20,357	25	240	1,425	57	15,239
PA.....	3,929	4,231	6	138	4,517		
RI.....		117		1	9		
SC.....	35	16,213	16	6	1,553	158	
SD.....	28	36,471	4,184		2,581	10,390	1,798
TN.....	963	21,225	3	679	2,180		
TX.....	20,388	984	68	420	32,281	49	82,314
UT.....	127	3,340	5	23			30,640
VT.....	228	128	407	73	66		
VA.....	196	10,889	364	37	2,220	15	
WA.....	318	57,715	197	63	373	466	14,601
WV.....	53	381	15	8	149		
WI.....	671	14,967	527	153	6,588	524	
WY.....		1,427				3	22,448
US.....	71,368	630,799	20,250	12,655	176,219	90,857	489,486
PR.....		161					69
VI.....							
Total.....	71,368	630,960	20,250	12,655	176,219	90,857	489,555



Table 639.—Agricultural Conservation Program: Selected conservation and pollution abatement practices performed, by States and Caribbean area, 1986 fiscal year—Continued

State or Territory	Regular and long-term agreements—Continued						
	Establishing permanent cover	Improving permanent cover	Planting trees	Timber stand improvement	Water impoundment reservoirs	Strip-cropping	Terrace systems (area served)
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Number</i>	<i>Acres</i>	<i>Acres</i>
AL.....	22,716	839	10,698	537	44	185	8,480
AK.....	1,378	10	10		1		
AZ.....	662	87,041			13		
AR.....	13,355	15,744	1,258	82	827		170
CA.....	2,073	18,549	152	456	13		
CO.....	4,522	36,626	15	7	24		13,423
CT.....	1,206	19	22	49	1	103	
DE.....	241	4	36				43
FL.....	10,723	408	19,144	477	1		531
GA.....	12,704	4,543	20,182	671	89		31,718
HI.....	154	22,848			1		1,269
ID.....	11,377	9,029	126	103	5	1,370	5,794
IL.....	5,730	2,437	347	1,138	72	1,823	11,442
IN.....	5,080	1,212	290	3,905	88		1,033
IA.....	8,339	1,339	258	158	83	7,300	17,760
KS.....	5,157	422			46		67,118
KY.....	25,581	6,251	63	283	104	1,205	988
LA.....	11,446	10,271	675		171		251
ME.....	2,389	148	892	1,984	1	907	57
MD.....	584	209	1,242	451	10	1,211	25
MA.....	1,425	82	31	622		54	
MI.....	23,518	901	1,768	687	7	609	20
MN.....	9,282	162	3,551	914	48	4,294	4,356
MS.....	19,245	2,604	7,479	199	554		4,345
MO.....	31,237	7,158	186	735	252	56	15,716
MT.....	30,002	164,704		553	5	29,938	
NE.....	3,531	40,333	12		72	531	40,325
NV.....	541	8,788					
NH.....	632	301	44	457	2	24	32
NJ.....	2,022		11			72	165
NM.....	1,111	52,724		31	4		1,694
NY.....	9,607	981	416	826	1	4,326	204
NC.....	9,364	12,714	3,025	81	32	1,995	592
ND.....	31,120	1,101	52		29	2,318	945
OH.....	5,559	5,916	340	799	7	337	
OK.....	30,637	2,758	251	48	592		38,372
OR.....	7,902	22,652	1,794	1,648	18	140	15,209
PA.....	5,560	2,896	248	1,125	5	10,940	1,606
RI.....	94		2				7
SC.....	4,915	241	12,114	655	56	2,071	1,300
SD.....	40,046	9,208		181	31	4,697	3,366
TN.....	35,070	2,277	429	1	566	271	4,403
TX.....	60,133	261,889	164	70	745		43,977
UT.....	849	60,388	25				1,706
VT.....	920	24		197	1	171	25
VA.....	9,350	19,658	2,111	298	56	811	143
WA.....	11,719	48,994	3,525	3,638	5	10,276	2,010
WV.....	2,231	23,061	52	452	75		
WI.....	5,849	329	4,849	1,544	19	9,528	1,104
WY.....	2,337	35,515		511	4		61
US.....	541,225	1,006,303	97,889	26,573	4,780	91,563	341,785
PR.....	1,253	4,764	247	4	3		408
VI.....		200					
Total.....	542,478	1,011,267	98,136	26,577	4,783	91,563	342,193

Agricultural Stabilization and Conservation Service.

Table 640.—Agricultural Conservation Program: <sup>1</sup> Selected conservation and pollution abatement measures performed, United States and Caribbean area, annual 1977-86 and total 1936-86

Practice	Unit	1977	1978 <sup>2</sup>	1979 <sup>2</sup>	1980	1981	1982	1983	1984	1985	1986	Total 1936-86
Terrace systems <sup>3</sup> .....	1,000 acres .....	357	435	574	491	454	427	513	388	442	342	38,778
Sod waterways <sup>3</sup> .....	do .....	894	804	998	740	727	489	453	207	230	176	16,627
Conservation tillage systems .....	do .....	30	135	202	377	717	733	919	1,009	1,076	631	5,883
Stripcropping systems .....	do .....	124	172	268	112	120	125	127	102	131	92	115,908
Establishing permanent vegetative cover .....	do .....	1,213	1,320	1,972	900	817	714	964	667	772	542	73,254
Cropland protective cover .....	do .....	1,294	1,436	1,534	1,281	1,495	1,115	1,100	791	798	637	507,292
Improving permanent vegetative cover .....	do .....	2,898	1,798	2,790	1,958	1,961	1,728	1,828	1,337	1,519	1,011	160,765
Planting trees or shrubs .....	do .....	33	32	47	49	53	55	66	55	87	98	6,390
Timber stand improvement .....	do .....	43	43	66	62	75	54	38	25	34	27	5,367
Permanent wildlife habitat <sup>3</sup> .....	do .....	120	165	110	36	46	46	40	23	23	20	5,307
Water impoundment reservoirs .....	Number .....	19,740	16,323	19,136	11,865	12,271	7,423	7,020	5,987	5,756	4,783	2,453,129
Grazing land protection .....	do .....	8,166	9,804	14,117	11,573	13,977	9,411	9,151	7,701	8,764	6,664	532,903
Contour farming .....	1,000 acres .....	10	10	25	27	24	24	20	29	35	21	140,074
Diversions <sup>3</sup> .....	do .....	136	142	200	136	128	123	111	112	95	71	6,911
Sediment retention, erosion, or water control structures .....	Number .....	9,045	9,598	15,404	14,266	15,968	12,142	12,646	12,462	14,081	12,655	3,429,847

<sup>1</sup> In 1974, the data include the Regular, Long-Term Agreement, and Forestry Incentive Programs. From 1975, the data include the Regular and Long-Term Agreement Programs.

<sup>2</sup> Because of the change to fiscal year funding in 1979, data for the period October 1, 1978-December 31, 1978 is included in the 1978 program year and the 1979 fiscal year.

<sup>3</sup> In area served.

Agricultural Stabilization and Conservation Service. Totals are from unrounded data.

**Table 641.—Water Bank Program, status of agreements carried out, 1978 through Sept. 30, 1987, by States**

State	Number of agreements	Designated acres			Annual payment
		Total	Wetlands	Adjacent	
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Dollars</i>
AR.....	262	45,960	27,110	18,850	322,402
CA.....	96	22,859	5,326	17,533	352,262
LA.....	242	30,843	11,084	19,759	383,124
ME.....	87	4,181	1,339	2,842	36,597
MI.....	82	3,630	1,032	2,598	69,889
MN.....	1,301	87,640	18,225	49,415	1,862,930
MS.....	283	45,196	17,095	28,101	384,078
MT.....	117	16,949	3,006	13,943	273,353
NE.....	81	7,062	2,692	4,370	152,849
ND.....	1,170	166,518	49,636	116,882	2,749,417
SD.....	724	83,104	19,384	63,720	1,240,540
WI.....	406	19,230	7,370	11,860	443,386
Total.....	4,851	513,172	163,299	349,873	8,270,827

Agricultural Stabilization and Conservation Service.

**Table 642.—Summary of status of agreements carried out under the Water Bank Program, 1978 through Sept. 30, 1987, by years**

Program year	Number of agreements <sup>1</sup>	Designated acres			Annual payment
		Total	Wetlands	Adjacent	
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Dollars</i>
1978.....	555	69,911	18,213	51,698	1,146,514
1979.....	700	77,762	21,296	56,466	1,320,287
1980.....	549	61,026	17,824	43,202	976,437
1981.....	276	26,397	8,295	18,102	391,706
1982.....	521	43,509	15,307	28,202	688,756
1983.....	494	47,625	14,999	32,626	783,576
1984.....	533	53,783	19,748	34,035	804,638
1985.....	520	59,135	22,110	37,025	824,868
1986.....	299	32,648	11,055	21,593	517,801
1987.....	363	36,184	12,983	23,201	705,306
1988 <sup>1</sup> .....	41	5,192	1,469	3,723	110,938
Total.....	4,851	513,172	163,299	349,873	8,270,827

<sup>1</sup> The agreements were entered into in 1987. Since compliance could not be rendered during 1987, the agreements were given the beginning date of January 1, 1988.

Agricultural Stabilization and Conservation Service.

**Table 643.—Forestry Incentives Program, practices performed, by States and Caribbean area, 1986 fiscal year and cumulative 1975-86 <sup>1</sup>**

State	1986				Cumulative 1975-1986			
	Planting trees	Improving a stand of forest trees	Site prep for natural regeneration	Special forestry practices	Planting trees	Improving a stand of forest trees	Site prep for natural regeneration	Special forestry practices
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
AL.....	17,379	671	105		225,912	23,856	406	
AZ.....					13	1,321		
AR.....	13,823	1,434	704		118,081	98,618	3,465	7,981
CA.....	330	715			7,796	7,973		
CO.....		328			181	4,004	10	
CT.....		66			1,097	7,416		2,336
DE.....	580				3,719	844		
FL.....	24,348	165	63		159,983	6,375	153	
GA.....	19,199	268			186,313	15,855	12	
HI.....					250			
ID.....	47	280	18		559	2,072	18	
IL.....	131	1,578	25		2,054	22,450	25	
IN.....	76	2,695	388		3,038	56,740	750	
IA.....	115	327			2,136	5,716	20	
KS.....	17	88			423	4,221		
KY.....	157	1,585	127		3,127	46,976	307	2,121
LA.....	12,095	1,106	209		97,913	41,352	366	
ME.....	83	411			6,042	16,508		
MD.....	1,415	264			16,096	10,178		
MA.....	10	1,146			152	30,246		739
MI.....	1,023	631			20,687	35,641		
MN.....	690	111	70		13,348	12,128	188	648
MS.....	21,760	499	90		186,703	26,254	898	16
MO.....	657	2,706			10,960	75,878		
MT.....	14	118	46		116	4,243	107	
NE.....	28	26			542	1,741		
NV.....	240	18			526	50		
NH.....	60	764	188		89	24,233	354	
NJ.....		56			897	12,064		
NM.....	10	15			65	6,505		
NY.....	281	1,641	10		3,353	55,575	110	4,323
NC.....	17,446	399	181		194,838	17,126	363	
ND.....					207	141		48
OH.....	785	2,802	124		9,010	60,342	250	
OK.....	1,805	447			14,617	29,740		
OR.....	3,207	1,565			28,780	15,168		
PA.....	40	1,611	20		5,001	29,605	47	
PR.....	265				727	10		
RI.....		42			132	2,156		
SC.....	16,320	351	17		161,583	8,849	17	
SD.....		151			29	2,844		
TN.....	3,052		28		17,780	15,210	241	
TX.....	11,325	1,517			111,696	46,981		
UT.....						12		
VT.....	51	877	84		311	18,864	114	16,368
VA.....	16,465	2,163			191,460	26,518		
WA.....	2,650	186			20,326	9,194		
WV.....	264	973	10		4,918	86,985	20	24,094
WI.....	1,730	1,773	269		23,407	26,929	995	265
WY.....		1,251			4	5,565		
Total.....	189,978	35,830	2,776		1,856,997	1,059,272	9,236	58,939

<sup>1</sup> In 1974, the program was part of the Rural Environmental Conservation Program (now called the Agricultural Conservation Program). Data for the program year were published in the 1974 Rural Environmental Conservation Program Summary. In 1975 it became a separately funded program.

Agricultural Stabilization and Conservation Service.

Table 644.—Forestry Incentives Program, participation and assistance, by States and Caribbean area, 1986 fiscal year

State	Participants	Area served	Assistance		
			Regular	Long term	Total assistance
	<i>Number</i>	<i>Acres</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	473	18,155	1,070,212		1,070,212
AK.....					
AZ.....					
AR.....	383	15,961	706,957		706,957
CA.....	55	1,045	129,349		129,349
CO.....	12	328	17,853		17,853
CT.....	5	66	966	2,139	3,105
DE.....	20	580	64,098		64,098
FL.....	401	24,576	1,007,847		1,007,847
GA.....	452	19,467	1,287,696		1,287,696
HI.....					
ID.....	18	345	24,108	3,326	27,434
IL.....	70	1,734	43,768	4,327	48,095
IN.....	90	3,159	62,869	610	63,479
IA.....	13	442	19,391		19,391
KS.....	5	105	4,130		4,130
KY.....	74	1,869	76,361		76,361
LA.....	335	13,410	642,953		642,953
ME.....	36	494	22,610	8,016	30,626
MD.....	56	1,679	134,285	1,691	135,976
MA.....	80	1,156	37,727	3,752	41,479
MI.....	122	1,659	66,076	12,695	78,771
MN.....	30	871	74,277	176	74,453
MS.....	503	22,349	871,826		871,826
MO.....	73	3,363	93,385		93,385
MT.....	7	178	9,522		9,522
NE.....	5	54	3,017		3,017
NV.....	3	258		15,500	15,500
NH.....	67	1,012	44,447	3,844	48,291
NJ.....	6	56	1,157		1,157
NM.....	2	25	1,898		1,898
NY.....	138	1,932	64,113	17,712	81,825
NC.....	552	18,026	603,296		603,296
ND.....					
OH.....	159	3,711	140,003		140,003
OK.....	37	2,252	92,166	16,623	108,789
OR.....	135	4,772	504,069	1,764	505,833
PA.....	96	1,671	82,704	1,180	83,884
PR.....	17	275	35,446		35,446
RI.....	12	42	1,910	468	2,378
SC.....	424	16,688	956,205		956,205
SD.....	9	151	7,676	1,121	8,797
TN.....	62	3,080	194,990		194,990
TX.....	333	12,842	477,165		477,165
UT.....					
VT.....	82	1,012	48,081	3,609	51,690
VA.....	513	18,628	735,816		735,816
WA.....	58	2,836	387,250	10,000	397,250
WV.....	82	1,247	38,192	8,476	46,668
WI.....	200	3,772	185,276	11,593	196,869
WY.....	20	1,251	58,311	2,026	60,337
Total.....	6,323	228,584	11,181,454	130,648	11,262,102

<sup>1</sup> Participants are net totals and will not add.  
Agricultural Stabilization and Conservation Service.

**Table 645.—Soil conservation districts: Funds appropriated by State and local governments for conservation programs, fiscal year ending Sept. 30, 1987**

State or Territory	Actual appropriations	State or Territory	Actual appropriations
	<i>1,000 dollars</i>		<i>1,000 dollars</i>
AL.....	1,919	NE.....	26,173
AK.....	177	NV.....	13,751
AZ.....	14,455	NH.....	307
AR.....	1,707	NJ.....	5,822
CA.....	5,649	NM.....	1,107
CO.....	1,227	NY.....	19,193
CT.....	3,747	NC.....	17,758
DE.....	4,108	ND.....	2,024
FL.....	8,887	OH.....	10,102
GA.....	4,976	OK.....	5,038
HI.....	3,714	OR.....	1,497
ID.....	6,919	PA.....	858
IL.....	16,622	RI.....	275
IN.....	8,580	SC.....	4,625
IA.....	12,141	SD.....	1,055
KS.....	8,134	TN.....	2,583
KY.....	7,252	TX.....	6,837
LA.....	3,729	UT.....	57,688
ME.....	721	VT.....	442
MD.....	9,119	VA.....	10,678
MA.....	598	WA.....	3,594
MI.....	9,060	WV.....	3,353
MN.....	66,713	WI.....	10,982
MS.....	3,543	WY.....	841
MO.....	20,392	Caribbean <sup>1</sup> .....	4,714
MT.....	2,826	Total.....	437,712

<sup>1</sup> Puerto Rico and Virgin Islands.  
Soil Conservation Service.

**Table 646.—Soil conservation districts: Number organized each year, approximate total area and land in farms, United States and Territories, 1973-87**

Year <sup>1</sup>	Number districts organized <sup>2</sup>		Total area in districts	
	Net increase for the year	Cumulative total	New districts and additions	Cumulative total
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
1973.....	-62	2,962	375,493	2,211,110
1974.....	-15	2,947	657	2,211,767
1975.....	-5	2,942	1,968	2,213,735
1976.....	-2	2,940	2,450	2,216,185
1977.....	-3	2,937	1,578	2,217,763
1978.....		2,937	-2,735	2,215,028
1979.....		2,937		2,215,028
1980.....	-5	2,932	-3,602	2,211,426
1981.....	5	2,932	7,649	2,219,075
1982.....	1	2,938	44	2,219,119
1983.....		2,938		2,219,119
1984.....	2	2,941	135	2,219,254
1985.....	1	2,940	100	2,219,154
1986.....	7	2,947	-24,839	2,194,315
1987.....	-6	2,941	3,219	2,197,534

<sup>1</sup> Fiscal years July 1 to June 30 to 1976; Oct. 1 through Sept. 30 through 1987.

<sup>2</sup> Totals at the end of each year are net, including corrections and adjustments made during the year.  
Soil Conservation Service.

## SOIL CONSERVATION DISTRICTS

469

Table 647.—Soil conservation districts: Dates of State Laws, number of districts organized, approximate total area and number of farms, cumulative through Sept. 30, 1987

State or Territory	Date district law became effective	Districts organized <sup>1</sup>	Approximate area and number of farms within organized districts	
			Total area 1,000 acres	Farms (and ranches) Thousands
AL.....	Mar. 18, 1939	67	32,454	58
AK.....	Mar. 25, 1947	10	375,304	1
AZ.....	June 16, 1941	38	72,907	8
AR.....	July 1, 1937	76	33,611	65
CA.....	June 26, 1938	118	75,202	56
CO.....	May 6, 1937	80	61,433	30
CT.....	July 18, 1945	8	3,132	4
DE.....	Apr. 2, 1943	3	1,266	3
DC.....	July 12, 1982	1	44	0
FL.....	June 10, 1937	63	33,866	31
GA.....	Mar. 23, 1937	40	37,681	56
HI.....	May 19, 1947	15	4,089	4
ID.....	Mar. 9, 1939	51	52,654	26
IL.....	July 9, 1937	98	29,035	111
IN.....	Mar. 11, 1937	92	23,102	89
IA.....	July 4, 1939	100	36,012	126
KS.....	Apr. 10, 1937	105	52,649	74
KY.....	June 11, 1940	121	25,377	102
LA.....	July 27, 1938	42	28,102	31
ME.....	Mar. 25, 1941	16	17,539	7
MD.....	June 1, 1937	24	6,273	19
MA.....	June 28, 1945	16	5,011	5
MI.....	July 23, 1937	83	37,241	60
MN.....	Apr. 26, 1937	91	27,798	99
MS.....	Apr. 4, 1938	82	30,269	54
MO.....	July 23, 1943	112	42,579	114
MT.....	Feb. 23, 1939	59	89,724	23
NE.....	May 18, 1937	24	48,982	64
NV.....	Mar. 30, 1937	27	70,605	2
NH.....	May 10, 1945	10	5,955	3
NJ.....	July 1, 1937	16	4,813	10
NM.....	Mar. 17, 1937	47	69,008	22
NY.....	July 20, 1940	57	30,489	43
NC.....	Mar. 22, 1937	94	31,236	89
ND.....	Mar. 16, 1937	62	45,149	43
OH.....	June 5, 1941	88	26,383	95
OK.....	Apr. 15, 1937	89	43,726	72
OR.....	Apr. 7, 1939	45	60,603	33
PA.....	July 2, 1937	66	29,352	59
RI.....	Apr. 26, 1943	3	677	1
SC.....	Apr. 17, 1937	46	19,345	29
SD.....	July 1, 1937	69	49,327	40
TN.....	Mar. 10, 1939	95	26,450	97
TX.....	Apr. 24, 1939	202	169,890	174
UT.....	Mar. 23, 1937	38	49,229	16
VT.....	Apr. 18, 1939	14	5,935	7
VA.....	Apr. 1, 1938	45	25,630	54
WA.....	Mar. 17, 1939	48	37,073	29
WV.....	June 12, 1939	14	15,411	17
WI.....	July 1, 1937	72	34,858	90
WY.....	May 22, 1941	36	60,560	11
US.....		2,918	2,195,100	2,356
PR.....	July 1, 1946	17	2,189	32
VI.....	June 1946	1	110	
PAC <sup>2</sup> .....	May 31, 1984	5	135	.1
Total.....		2,941	2,197,534	2,388

<sup>1</sup> For specific procedure on organization of soil conservation districts, reference should be made to each of the respective State soil conservation district's laws.

<sup>2</sup> Guam and Northern Marianas.

Soil Conservation Service.

**Table 648.—Soil surveys: Total area mapped for conservation planning and other uses under all programs, by States and Territories, year ending Sept. 30, 1987, and cumulative through Sept. 30, 1987**

State or Territory	Progressive Soil Survey Program <sup>1</sup>			State or Territory	Progressive Soil Survey Program <sup>1</sup>		
	Work during year ending Sept. 30, 1986		Total to date		Work during year ending Sept. 30, 1986		Total to date
	Acres mapped	Acres updated	Acres		Acres mapped	Acres updated	Acres
AL.....	692,970	0	24,181,542	NV.....	1,666,149	806,116	50,273,208
AK.....	1,616,345	130,000	35,065,043	NH.....	41,250	0	4,626,562
AZ.....	1,814,184	0	34,734,045	NJ.....	0	0	4,633,746
AR.....	378,784	71,216	31,258,953	NM.....	826,000	110,000	68,799,682
CA.....	673,057	425,472	67,126,977	NY.....	1,057,032	171,164	22,984,612
CO.....	1,050,997	0	49,278,517	NC.....	998,058	40,704	23,733,050
CT.....	0	0	3,132,160	ND.....	1,590,441	529,738	32,928,584
DE.....	0	0	1,233,119	OH.....	607,560	166,540	23,698,374
FL.....	1,691,000	0	25,437,754	OK.....	0	274,540	45,356,606
GA.....	319,290	143,854	31,527,290	OR.....	1,365,770	0	27,308,466
HI.....	0	0	4,366,983	PA.....	149,684	265,236	29,053,565
ID.....	853,075	0	27,097,801	RI.....	0	0	677,120
IL.....	1,905,814	18,903	26,922,611	SC.....	202,668	53,882	18,802,795
IN.....	33,970	87,030	21,846,119	SD.....	780,700	0	43,047,718
IA.....	962,293	160	32,607,364	TN.....	440,005	551,547	24,475,983
KS.....	456,911	385,769	50,974,896	TX.....	685,598	1,020,162	155,827,806
KY.....	560,824	228,124	20,049,909	UT.....	563,229	215,416	37,272,806
LA.....	1,228,250	212,682	28,007,866	VT.....	116,239	30,307	4,184,054
ME.....	368,256	83,276	10,289,447	VA.....	786,734	5,500	15,208,893
MD.....	23,000	141,718	6,812,863	WA.....	681,210	0	30,897,250
MA.....	220,326	217,986	4,975,225	WV.....	396,375	0	11,981,081
MI.....	1,150,672	23,000	24,101,384	WI.....	530,320	72,419	27,051,764
MN.....	1,838,640	174,754	34,305,606	WY.....	807,933	40,920	26,771,032
MO.....	497,594	0	27,050,401	Caribbean <sup>2</sup> .....	0	0	2,274,000
MS.....	1,653,590	189,008	29,241,219				
MT.....	2,591,814	0	62,676,762	Total.....	38,765,573	6,887,143	1,484,690,972
NE.....	1,138,411	0	43,918,244				

<sup>1</sup> The National Cooperative Soil Survey of the Soil Conservation Service and cooperating agencies is designed to locate, classify, describe, and show on maps the different kinds of soil and make multiple-use interpretations of each kind of soil for town-and-country planning and for other purposes.

<sup>2</sup> Puerto Rico and Virgin Islands.

Soil Conservation Service.

**Table 649.—Land protected from erosion by soil conservation practices: Newly applied in soil conservation districts with Soil Conservation Service assistance, fiscal years 1983-87 <sup>1</sup>**

Land protected from erosion <sup>1</sup>	Unit	1983	1984	1985	1986 <sup>2</sup>	1987 <sup>2</sup>
Cropland.....	Acres.....	13,613,063	18,300,000	15,051,298	15,900,000	20,317,696
Pasture and hayland.....	do.....	5,233,253	3,200,000	4,894,898	5,100,000	5,184,482
Range and native pasture.....	do.....	29,399,780	20,000,000	31,227,673	32,200,000	26,186,535
Woodland.....	do.....	1,680,333	1,000,000	1,650,995	2,000,000	1,790,156
Wildlife.....	do.....	2,464,379	n.a.	1,493,655	1,700,000	1,655,329
Recreation.....	do.....	173,582	n.a.	88,588	100,000	62,348
All others.....	do.....	206,552	33,000	157,267	300,000	375,958
Total land protected.....	Acres.....	52,770,942	42,830,000	54,564,374	57,300,000	55,572,504

<sup>1</sup> SCS changed its reporting system in FY 1984. The reporting system is based on expanded reporting data from sample counties and reflects land improved (previously benefited and adequately protected) with SCS technical assistance. FY 1984 data is not directly comparable to early years.

<sup>2</sup> Includes practices applied under all programs on which SCS provides technical assistance.  
n.a. not available.

Soil Conservation Service.



Table 650.—Land protected from erosion by soil conservation practices: Applied through farmer-district cooperation and cooperation with other agencies, with Soil Conservation Service assistance, by States and Territories, year ending Sept. 30, 1987

State or Territory	Cropland	Pasture and hayland	Range native pasture	Woodland	Wildlife	Recreation	Other land	Total land protected
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
AL.....	218,241	132,563	200	107,234	17,307	1,789	2,091	479,425
AK.....	0	0	0	0	0	0	0	0
AZ.....	16,168	5,088	1,071,135	0	281	0	2	1,092,674
AR.....	293,326	181,411	8,565	67,163	47,214	557	677	598,903
CA.....	120,706	36,456	133,783	7,116	28,385	797	4,794	332,037
CO.....	687,309	105,498	345,644	3,673	1,389	3	1,611	1,145,127
CT.....	1,314	71	2	0	28	20	68	1,503
DE.....	25,144	249	0	0	53	0	93	25,539
FL.....	117,628	121	0	0	0	0	0	117,749
GA.....	679,790	121,135	1,066	98,437	38,514	700	4,633	944,275
HI.....	25,911	6,665	29,896	0	0	0	0	62,472
ID.....	1,155,700	30,278	40,482	30,794	22,527	13	574	1,280,368
IL.....	445,861	112,448	0	22,461	66,027	615	3,665	651,077
IN.....	216,625	26,388	13	6,353	18,801	1,733	2,304	272,217
IA.....	1,630,862	17,340	0	1,542	9,330	20	711	1,659,805
KS.....	855,015	32,574	360,164	881	14,238	1,271	13,668	1,277,811
KY.....	342,129	143,440	40	32,722	4,286	295	3,652	526,564
LA.....	449,505	108,272	24,271	217,663	199,099	169	1,415	1,000,394
ME.....	43,639	239	0	97	0	0	215	44,190
MD.....	108,915	205,685	0	3,711	4,503	32	2,759	325,605
MA.....	3,912	543	0	35	1	6	0	4,497
MI.....	246,222	22,709	49	24,919	14,944	2,176	2,769	313,788
MN.....	1,227,814	52,609	0	22,972	0	0	0	1,303,395
MS.....	200,324	111,928	892	104,242	34,701	1,054	351	453,492
MO.....	266,536	415,759	1,800	15,375	21,908	288	163,267	884,933
MT.....	843,273	138,442	671,455	100,394	28,173	8	1,118	1,782,863
NE.....	719,805	19,474	305,014	7	0	0	6,428	1,050,728
NV.....	62,677	55,596	233,575	51	6,051	0	71	358,021
NH.....	8,530	1,932	0	7,998	1,726	184	186	15,556
NJ.....	38,206	2,263	0	177	0	8	82	40,736
NM.....	408,474	14,776	3,024,377	17,093	52,381	216	428	3,517,745
NY.....	104,948	19,164	1,477	2,318	657	113	1,111	129,788
NC.....	164,976	15,628	12	9,930	1,480	98	2,619	194,743
ND.....	946,974	174,584	325,922	4,735	61,202	246	12,383	1,526,046
OH.....	161,147	42,158	0	9,174	2,885	158	1,269	216,791
OK.....	459,478	307,065	233,017	5,714	3,642	110	92	1,009,118
OR.....	236,536	11,977	44,912	5,988	0	0	0	299,413
PA.....	163,729	36,466	5	3,946	2,270	778	3,073	215,267
RI.....	48	9	0	0	0	0	0	57
SC.....	101,077	30,480	223	44,360	4,060	474	664	181,338
SD.....	384,712	127,595	562,160	140	10,114	4	7,340	1,092,065
TN.....	287,051	135,662	0	66,278	2,059	4,526	1,043	496,619
TX.....	4,987,828	1,877,940	17,297,593	643,146	838,058	42,156	69,506	25,756,227
UT.....	112,203	3,778	283,857	0	5	1,400	10	401,253
VT.....	8,750	4,269	0	35	16	1	5	13,076
VA.....	84,382	70,267	57	7,314	1,569	87	1,956	166,232
WA.....	309,037	37,342	263,719	71,394	7,573	8	894	689,967
WV.....	4,616	37,814	17	1,102	1,600	98	1,190	46,437
WY.....	274,951	25,995	0	5,992	21,446	74	517	326,975
Caribbean <sup>1</sup>	40,691	110,143	903,335	15,424	64,826	63	54,654	1,189,136
Caribbean <sup>2</sup>	24,401	16,194	17,816	56	0	0	0	58,467
Total <sup>2</sup> .....	20,317,696	5,184,482	26,186,535	1,790,156	1,655,329	62,348	375,958	55,572,504

<sup>1</sup> Puerto Rico and Virgin Islands.

<sup>2</sup> Land protected is an optional reporting item; therefore not available from all States.

Soil Conservation Service.

**Table 651.—Conservation plans: Active district cooperators and conservation plans prepared under all programs and area covered in soil conservation districts with Soil Conservation Service assistance, by States and Territories, year ending Sept. 30, 1987, and cumulative through Sept. 30, 1987**

State or Territory	Progress, year ending Sept. 30, 1987		
	New SCD cooperators		New conservation plans <sup>1</sup>
	Number	Acres	Acres
AL.....	3,573	343,740	367,721
AK.....	50	12,441	105,131
AZ.....	196	306,002	630,806
AR.....	915	150,738	277,744
CA.....	534	232,135	491,913
CO.....	1,081	874,607	1,475,789
CT.....	248	1,187	3,234
DE.....	145	37,557	18,608
FL.....	11,911	4,956,383	1,959,354
GA.....	1,856	172,398	393,797
HI.....	232	7,130	50,642
ID.....	136	74,475	550,251
IL.....	2,544	471,379	773,995
IN.....	266	33,929	314,895
IA.....	4,164	833,974	151,004
KY.....	3,381	1,092,045	1,968,802
KS.....	2,291	303,184	553,464
LA.....	1,441	673,077	654,232
ME.....	146	21,070	79,172
MD.....	1,032	130,567	208,385
MA.....	40	4,285	9,214
MI.....	468	70,951	305,307
MN.....	4,252	638,833	1,116,628
MS.....	1,276	193,769	333,372
MO.....	5,681	823,983	1,279,835
MT.....	402	1,134,472	2,703,928
NE.....	3,841	830,902	1,411,215
NV.....	142	455,620	151,211
NH.....	137	5,793	8,112
NJ.....	99	25,752	37,297
NM.....	287	766,750	1,374,085
NY.....	351	95,902	257,821
NC.....	1,330	137,012	263,587
ND.....	359	176,642	1,081,053
OH.....	3,913	272,315	371,676
OK.....	2,281	840,658	1,678,370
OR.....	97	230,843	179,689
PA.....	1,027	127,440	277,407
RI.....	3	64	544
SC.....	1,403	235,998	200,817
SD.....	507	153,333	860,753
TN.....	4,038	504,230	679,552
TX.....	11,431	3,585,428	7,380,701
UT.....	121	30,476	487,808
VT.....	74	10,623	37,746
VA.....	889	129,578	153,558
WA.....	279	135,394	796,462
WV.....	386	86,002	112,557
WY.....	599	104,268	466,152
Caribbean <sup>2</sup> .....	2,246	190,672	1,621,084
Total.....	84,265	22,747,333	36,696,813

<sup>1</sup> Includes conservation plans prepared on farms and ranches of SCD cooperators who signed agreements in prior years.

<sup>2</sup> Puerto Rico and Virgin Islands.

Soil Conservation Service.

**Table 652.—Great Plains Conservation Program: <sup>1</sup> Status of cost-share contracts, by States, year ending Sept. 30, 1987**

State	Designated counties	Active land treatment contracts in operation	
		1987	
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>
CO.....	38	435	1,522,500
KS.....	62	660	478,116
MT.....	40	396	2,687,725
NE.....	61	526	1,011,757
NM.....	19	532	834,222
ND.....	38	164	1,936,718
OK.....	43	540	494,591
SD.....	51	628	2,791,826
TX.....	147	163	2,088,517
WY.....	19	217	1,592,130
Total.....	518	4,261	15,438,102

<sup>1</sup> As authorized by the Act of Congress August 7, 1956 (Public Law 1021, 84th Congress).  
Soil Conservation Service.

FOOTNOTES FOR TABLE 656

<sup>1</sup> Preliminary data. Data may not add to totals because of rounding.

<sup>2</sup> Forest land is land at least 10 percent stocked by forest trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated. Forest land includes transition zones, such as areas between heavily forested and nonforested lands that are at least 10 percent stocked with forest trees, and forest areas adjacent to urban and built-up lands. Also included are pinyon-juniper and chaparral areas in the West and afforested areas. The minimum area for classification of forest land is 1 acre. Roadside, streamside, and shelterbelt strips of timber must have a crown width at least 120 feet wide to qualify as forest land. Unimproved roads and trails, streams, and clearings in forest areas are classified as forest if less than 120 feet in width.

<sup>3</sup> Timberland is forest land which is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included.

<sup>4</sup> Includes Indian lands.

<sup>5</sup> Includes Alaska.

<sup>6</sup> Includes Hawaii.

Forest Service.

**Table 653.—Watershed protection<sup>1</sup> and flood prevention projects:<sup>2</sup> Works of improvement installed with the assistance of the Soil Conservation Service with watershed protection and flood prevention funds for year ending Sept. 30, 1987**

Item	Unit	Watershed and Flood Prevention Projects
Flood prevention projects in operations during year.....	Number.....	106
Projects in operation during year.....	do.....	619
Land protected from erosion:		
Cropland.....	Acres.....	946,838
Pasture and hayland.....	do.....	558,966
Range and native pasture.....	do.....	1,114,795
Woodland.....	do.....	22,062
Wildlife.....	do.....	139,746
Recreation.....	do.....	26,305
Other.....	do.....	35,558
Total land <sup>3</sup> .....	do.....	2,844,270

<sup>1</sup> As authorized by the Soil Conservation Act of 1935 (Public Law 46, 74th Congress) and Watershed Protection and Flood Prevention Act P.L. 566, as amended.

<sup>2</sup> All of the 11 watersheds were approved Dec. 22, 1944; however, flood control funds did not become available for works of improvement until 1946. As of Sept. 30, 1985, work in two watersheds was completed.

<sup>3</sup> Land protected data included in Table 657 "Land Protected From Erosion by Application of Soil Conservation Practices."

Soil Conservation Service.

**Table 654.—Watershed protection: Improvement works installed on small watershed protection projects with assistance of the Forest Service, years ending Sept. 30, 1986 and 1987 and cumulative to Sept. 30, 1987<sup>1</sup>**

Project	Unit	During year ending Sept. 30, 1986	During year ending Sept. 30, 1987	Cumulative to Sept. 30, 1987
Land treatment:				
Erosion control:				
Channel improvement.....	Miles.....	0	0	7
Channel stabilization.....	do.....	0	0	13
Contour terrace and furrows.....	Acres.....	0	0	1,440
Critical area stabilization by tree planting.....	do.....	1,360	1,046	47,179
Forest road and roadbank stabilization.....	do.....	64	36	6,065
Gully control.....	Miles.....	0	0	195
Grade stabilization structures.....	Number.....	0	0	3,296
Surface mined/revegetation.....	Acres.....	12	146	3,580
Woodland grazing control.....	do.....	22	58	297,270
Flood prevention:				
Fire roads, trails, and firebreaks and fuelbreaks.....	Miles.....	18	4	1,698
Fire control water developments.....	Number.....	0	0	43
Fire towers.....	do.....	0	0	8
Heliports and helispots.....	do.....	0	0	42
Intensified fire protection.....	Acres.....	1,015	4,214	2,645,558
Mobile fire equipment.....	Number.....	0	1	76
Other fire control improvements.....	do.....	0	1	469
Radio installations.....	do.....	0	1	54
Forest management:				
Forest stand improvement.....	Acres.....	1,617	1,809	1,085,892
Proper harvest cutting.....	do.....	2,415	2,609	558,516
Range and grass seeding.....	do.....	709	2	49,233
Recreation area development.....	do.....	730	714	34,494
Tree planting and seeding.....	do.....	9,089	3,040	317,569
Wildlife habitat development.....	do.....	1,102	3,242	49,659
Wildlife ponds.....	Number.....	0	0	84
Technical assistance:				
Watershed plans.....	do.....	581	372	26,355
Area included.....	Acres.....	32,509	23,232	2,243,811

<sup>1</sup> As authorized by the Watershed Protection and Flood Prevention Act of 1954 (Public Law 83-566), as amended. Forest Service.

**Table 655.—Flood prevention: Improvement works installed on flood prevention projects with assistance of the Forest Service, years ending Sept. 30, 1986 and 1987 and cumulative to Sept. 30, 1987<sup>1</sup>**

Project	Unit	During year ending Sept. 30, 1986	During year ending Sept. 30, 1987	Cumulative to Sept. 30, 1987
<b>Land treatment:</b>				
<b>Erosion control:</b>				
Channel improvement.....	Miles.....	0	0	41
Channel stabilization.....	do.....	2	0	353
Critical area stabilization by tree planting.....	Acres.....	768	692	336,628
Diversion ditches.....	Feet.....	0	0	32,097
Floodwater retarding structures.....	Number.....	0	0	4
Forest road and roadbank stabilization.....	Acres.....	722	61	20,973
Grade stabilization structures.....	Number.....	2	2	1,694
Streambank stabilization.....	Miles.....	0	0	11
Surface mined/revegetation.....	Acres.....	161	285	8,874
Woodland grazing control.....	do.....	777	10	191,822
<b>Flood prevention:</b>				
Access road construction.....	Miles.....	6	0	382
Firebreaks and fuelbreaks.....	do.....	15	15	3,497
Fire roads and trails.....	do.....	4	10	639
Fire hazard reduction.....	Acres.....	13,100	3,437	43,563
Fire water developments.....	Number.....	9	4	200
Fire towers.....	do.....	0	0	46
Heliports and helispots.....	do.....	0	0	461
Mobile equipment.....	do.....	14	4	138
Other fire improvements.....	do.....	0	0	226
Permanent radio installations.....	do.....	0	0	318
<b>Forest management:</b>				
Forest stand improvement.....	Acres.....	838	691	662,483
Proper harvest cutting.....	do.....	1,697	828	682,740
Tree planting and seeding.....	do.....	2,693	2,134	530,278
Woodland thinning and release.....	do.....	0	0	458,486
<b>Technical assistance:</b>				
Watershed plans.....	Number.....	403	273	25,842
Area included.....	Acres.....	19,833	21,427	2,222,840
Woodland owners assisted.....	Number.....	2,835	4,741	650,615

<sup>1</sup> As authorized by the Navigation and Flood Control Act of 1944 (Public Law 78-534), as amended. Forest Service.

**Table 656.—Forest land: Total forest land and area and ownership of timberland, by regions, Jan. 1, 1987 <sup>1</sup>**

Region	Total forest land <sup>2</sup>	Timberland <sup>3</sup>							
		All owner-ships	Federal			State, county, and municipal <sup>4</sup>	Private		
			Total	National forest	Other		Total	Forest industry	Farmer and other private
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
Northeast.....	85,251	80,103	2,986	2,212	724	6,834	70,333	12,590	57,743
North Central.....	80,310	74,672	7,990	7,253	737	18,227	53,455	4,287	49,168
Great Plains.....	4,229	3,529	993	943	50	232	2,304	21	2,283
North.....	169,790	158,304	11,919	10,408	1,511	20,293	126,092	16,898	109,194
Southeast.....	87,744	84,594	6,983	4,871	2,112	1,789	75,822	16,793	59,029
South Central.....	112,199	110,790	8,917	6,896	2,021	1,994	99,879	21,438	78,441
South.....	199,943	195,384	15,900	11,767	4,133	3,783	175,701	38,231	137,470
Pacific Northwest <sup>5</sup> .....	178,956	54,361	22,088	19,487	2,601	9,534	22,739	9,702	13,037
Pacific Southwest <sup>6</sup> .....	41,129	17,412	9,051	8,742	309	544	7,817	2,757	5,060
Rocky Mountains.....	138,104	57,611	37,709	34,819	2,890	5,196	14,706	2,943	11,763
West.....	358,189	129,384	68,848	63,048	5,800	15,274	45,262	15,402	29,860
All regions.....	727,921	483,072	96,667	85,223	11,444	39,350	347,055	70,531	276,524

See footnotes on page 473.

**Table 657.—Timber volume: Net volume of growing stock and sawtimber on timberland, by softwoods and hardwoods, and regions, Jan. 1, 1987 <sup>1</sup>**

Region	Growing stock <sup>2</sup>			Sawtimber <sup>3</sup>		
	All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
Northeast.....	109,135	31,391	77,744	252,182	80,474	171,708
North Central.....	77,902	16,009	61,893	207,090	45,255	161,835
Great Plains.....	3,381	1,912	1,469	11,739	6,806	4,933
North.....	190,418	49,312	141,106	471,011	132,535	338,476
Southeast.....	114,167	50,806	63,361	352,542	169,087	183,455
South Central.....	123,867	52,993	70,874	404,622	211,050	193,572
South.....	238,034	103,799	134,235	757,164	380,137	377,027
Pacific Northwest <sup>4</sup> .....	167,810	152,166	15,644	882,711	837,189	45,522
Pacific Southwest <sup>5</sup> .....	54,051	46,311	7,740	313,162	289,192	23,970
Rocky Mountains.....	104,603	98,389	6,214	399,198	386,904	12,294
West.....	326,464	296,866	29,598	1,595,071	1,513,285	81,786
All regions.....	754,916	449,977	304,939	2,823,246	2,025,957	797,289

See footnotes on page 480.

**Table 658.—Timber volume: Net volume of sawtimber on timberland in the West, by regions and species, Jan. 1, 1987 <sup>1</sup>**

Species	Total West	Pacific Northwest <sup>2</sup>	Pacific Southwest <sup>3</sup>	Rocky Mountains
	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
<b>Softwoods:</b>				
Douglas-fir .....	505,925	329,854	80,131	95,940
Ponderosa and Jeffrey pines .....	188,227	62,819	55,481	69,927
True fir .....	208,557	73,351	78,898	56,308
Western hemlock .....	195,118	191,296	206	3,616
Sugar pine .....	23,972	3,246	20,708	18
Western white pine .....	14,329	4,416	2,180	7,733
Redwood .....	30,495	574	29,921	
Sitka spruce .....	65,148	64,948	200	
Engelmann and other spruces .....	93,489	30,181	89	63,219
Western larch .....	34,388	12,386		22,002
Incense cedar .....	24,167	10,559	13,589	19
Lodgepole pine .....	76,279	15,603	5,260	55,416
Other .....	53,218	37,979	2,526	12,713
<b>Total .....</b>	<b>1,513,312</b>	<b>837,212</b>	<b>289,189</b>	<b>386,911</b>
<b>Hardwoods:</b>				
Cottonwood and aspen .....	19,595	7,281	74	12,240
Red alder .....	26,261	25,861	400	
Oak .....	18,635	1,165	17,470	
Other .....	17,298	11,221	6,025	52
<b>Total .....</b>	<b>81,789</b>	<b>45,528</b>	<b>23,969</b>	<b>12,292</b>
<b>All species .....</b>	<b>1,595,101</b>	<b>882,740</b>	<b>313,158</b>	<b>399,203</b>

<sup>1</sup> International ¼-inch rule. Preliminary data. Data may not add to totals because of rounding.<sup>2</sup> Includes Alaska.<sup>3</sup> Includes Hawaii.

Forest Service.

**Table 659.—Timber removals: Roundwood product output, logging residues and other removals from growing stock and other sources, by softwoods and hardwoods, 1986 <sup>1</sup>**

Roundwood products, logging residues, and other removals	All sources			Growing stock <sup>2</sup>			Other sources <sup>3</sup>		
	All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>
<b>Roundwood products:</b>									
Sawlogs .....	7,444	5,723	1,721	7,029	5,433	1,596	415	290	125
Pulpwood .....	4,467	2,750	1,717	3,950	2,503	1,447	517	247	270
Veneer logs .....	1,672	1,555	118	1,515	1,404	110	158	151	7
Other products <sup>4</sup> .....	1,262	1,042	220	1,183	993	191	79	49	30
Fuelwood .....	3,114	545	2,568	798	206	592	2,316	339	1,977
<b>Total .....</b>	<b>17,959</b>	<b>11,615</b>	<b>6,344</b>	<b>14,474</b>	<b>10,539</b>	<b>3,935</b>	<b>3,485</b>	<b>1,076</b>	<b>2,409</b>
<b>Logging residues <sup>5</sup> .....</b>	<b>5,105</b>	<b>2,888</b>	<b>2,217</b>	<b>6 1,582</b>	<b>6 999</b>	<b>6 584</b>	<b>7 3,523</b>	<b>7 1,890</b>	<b>7 1,634</b>
<b>Other removals <sup>6</sup> .....</b>	<b>1,801</b>	<b>433</b>	<b>1,368</b>	<b>9 984</b>	<b>9 327</b>	<b>9 657</b>	<b>7 817</b>	<b>7 106</b>	<b>7 711</b>
<b>Total .....</b>	<b>24,865</b>	<b>14,936</b>	<b>9,929</b>	<b>17,040</b>	<b>11,864</b>	<b>5,176</b>	<b>7,825</b>	<b>3,072</b>	<b>4,754</b>

<sup>1</sup> Preliminary data. Data may not add to totals because of rounding.<sup>2</sup> Includes live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground.<sup>3</sup> Includes salvable dead trees, rough and rotten trees, trees of noncommercial species, trees less than 5.0-inches diameter at 4½ feet above ground, tops, and roundwood harvested from nonforest land (e.g., fence rows, etc.).<sup>4</sup> Includes such items as coopersage, pilings, poles, posts, shakes, shingles, board mills, charcoal, export logs, etc.<sup>5</sup> Downed and dead wood volume left on the ground after trees have been cut on timberland.<sup>6</sup> Growing stock volume cut or knocked down during harvest but left at the harvest site.<sup>7</sup> Wood volume other than growing stock left on the ground after harvest, cultural operations, or timberland clearing. This volume is net or wet rot or advanced dry rot, and excludes old punky logs; consists of material sound enough to chip; includes downed dead and cull trees, tops above the 4-inch growing stock top, and trees smaller than 5 inches diameter at 4½ feet above ground; excludes stumps and limbs.<sup>8</sup> Unutilized wood volume from cut or otherwise killed growing stock, from non-growing stock sources on timberland (e.g., precommercial thinnings), or from timberland clearing. Does not include volume removed from inventory through reclassification of timberland to reserved timberland.<sup>9</sup> Growing stock volume removed by cultural operations or timberland clearing.

Forest Service.

**Table 660.—Timber growth, removals and mortality: Net annual growth, removals, and mortality of growing stock on timberland by softwoods and hardwoods and regions, 1986 <sup>1</sup>**

Region	Growth <sup>2</sup>			Removals <sup>3</sup>			Mortality <sup>4</sup>		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>
Northeast.....	2,948	702	2,246	1,302	521	781	675	257	418
North Central.....	2,564	587	1,977	1,406	205	1,202	568	111	457
Great Plains.....	86	47	38	42	26	16	15	7	8
North.....	5,598	1,336	4,262	2,750	751	1,999	1,258	375	883
Southeast.....	5,169	2,972	2,197	4,167	2,836	1,332	915	539	376
South Central.....	5,260	2,877	2,383	4,531	2,906	1,626	812	351	461
South.....	10,429	5,849	4,580	8,699	5,741	2,958	1,727	890	837
Pacific Northwest <sup>5</sup> .....	3,273	2,751	522	3,952	3,764	188	800	722	78
Pacific Southwest <sup>6</sup> .....	1,046	889	157	811	791	20	272	248	24
Rocky Mountains.....	2,041	1,909	131	829	817	12	530	488	43
West.....	6,360	5,550	810	5,591	5,372	219	1,602	1,458	145
All regions.....	22,387	12,734	9,653	17,040	11,864	5,176	4,588	2,723	1,864

<sup>1</sup> Preliminary data. Data may not add to totals because of rounding.  
<sup>2</sup> The net increase in the volume of trees during a specified year. Components include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the minimum size class during the year, minus the volume of trees that died during the year, and minus the net volume of trees that became cull trees during the year.  
<sup>3</sup> The net volume of trees removed from the inventory during a specified year by harvesting, cultural operations such as timber stand improvement, land clearings, or changes in land use.  
<sup>4</sup> The volume of sound wood in trees that died from natural causes during a specified year.  
<sup>5</sup> Includes Alaska.  
<sup>6</sup> Includes Hawaii.  
<sup>7</sup> Excludes hardwood growth on National Forest land in California.  
 Forest Service.



Table 661.—Timber volume: Net volume of sawtimber in the East, by regions and species, Jan. 1, 1987 <sup>1</sup>

Species	Total East	North				South		
		Total	Northeast	North Central	Great Plains	Total	Southeast	South Central
	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
<b>Softwoods:</b>								
Longleaf and slash pine.....	54,258					54,258	36,497	17,761
Loblolly and shortleaf pine.....	271,257	3,976	1,985	1,991		287,281	92,866	174,415
Other yellow pines.....	28,465	3,065	2,556	509		25,400	17,407	7,993
White and red pines.....	48,627	41,697	26,916	14,781		6,930	5,997	933
Jack pine.....	3,854	3,854		3,846				
Spruce and balsam fir.....	37,773	37,699	26,099	11,362	238	74	74	
Eastern hemlock.....	22,992	20,982	16,746	4,186		2,060	1,593	467
Cypress.....	22,112	157		157		21,955	13,778	8,177
Other.....	23,354	21,177	6,185	8,426	6,566	2,177	877	1,300
<b>Total.....</b>	<b>512,692</b>	<b>132,557</b>	<b>80,487</b>	<b>45,258</b>	<b>6,812</b>	<b>380,135</b>	<b>169,089</b>	<b>211,046</b>
<b>Hardwoods:</b>								
Select white oaks.....	71,577	31,501	10,461	20,371	669	40,076	18,273	21,803
Select red oaks.....	63,517	39,798	23,003	16,566	229	23,719	10,014	13,705
Other white oaks.....	47,075	13,806	9,585	4,182	39	33,269	15,553	17,716
Other red oaks.....	109,528	30,669	13,688	16,878	103	78,859	33,435	45,424
Hickory.....	40,616	12,751	4,956	7,680	115	27,865	9,432	18,433
Yellow birch.....	8,796	8,603	6,506	2,097		193	153	40
Hard maple.....	41,300	38,364	22,602	15,755	7	2,936	989	1,947
Soft maple.....	47,863	34,538	22,571	11,830	137	13,325	10,296	3,029
Beech.....	21,202	14,182	11,202	2,980		7,020	2,614	4,406
Sweetgum.....	39,571	1,566	1,141	415		38,015	18,563	19,452
Tupelo and black gum.....	30,960	1,243	967	276		29,717	20,098	9,619
Ash.....	26,142	16,104	7,814	7,837	453	10,038	4,288	5,750
Basswood.....	11,687	10,067	2,832	7,122	113	1,620	885	735
Yellow-poplar.....	52,949	12,611	8,462	4,149		40,338	28,136	12,202
Cottonwood and aspen.....	32,567	29,511	4,997	22,777	1,737	3,056	389	2,667
Black walnut.....	3,457	2,467	473	1,792	202	990	401	589
Black cherry.....	11,587	11,259	8,914	2,340	5	328	328	
Other.....	55,123	29,475	11,544	16,800	1,131	25,648	9,601	16,047
<b>Total.....</b>	<b>715,517</b>	<b>338,505</b>	<b>171,718</b>	<b>161,847</b>	<b>4,940</b>	<b>377,012</b>	<b>183,448</b>	<b>193,564</b>
<b>All species.....</b>	<b>1,228,209</b>	<b>471,062</b>	<b>252,205</b>	<b>207,105</b>	<b>11,752</b>	<b>767,147</b>	<b>352,537</b>	<b>404,610</b>

<sup>1</sup> International ¼-inch rule. Preliminary data. Data may not add to totals because of rounding. Forest Service.

**Table 662.—National Forest System: National Forest System lands and other lands within unit boundaries, in States and Territories, Sept. 30, 1987**

State or other area	Gross area within unit boundaries	National Forest System lands <sup>1</sup>	Other lands within unit boundaries <sup>2</sup>	State or other area	Gross area within unit boundaries	National Forest System lands <sup>1</sup>	Other lands within unit boundaries <sup>2</sup>
	1,000 acres	1,000 acres	1,000 acres		1,000 acres	1,000 acres	1,000 acres
AL.....	1,274	649	625	NH.....	823	715	109
AK.....	24,228	22,750	1,477	NM.....	10,384	9,326	1,058
AZ.....	11,933	11,276	657	NY.....	13	13	.....
AR.....	3,502	2,484	1,019	NC.....	3,165	1,220	1,946
CA.....	24,384	20,524	3,860	ND.....	1,106	1,106	( <sup>3</sup> )
CO.....	16,030	14,458	1,572	OH.....	833	179	654
CT.....	( <sup>3</sup> )	( <sup>3</sup> )	.....	OK.....	461	296	166
FL.....	1,224	1,100	125	OR.....	17,488	15,621	1,867
GA.....	1,855	867	988	PA.....	743	511	232
HI.....	( <sup>3</sup> )	( <sup>3</sup> )	.....	SC.....	1,376	606	769
ID.....	21,705	20,455	1,250	SD.....	2,348	1,997	351
IL.....	840	283	576	TN.....	1,212	626	586
IN.....	644	188	456	TX.....	1,994	753	1,242
KY.....	117	108	9	UT.....	9,128	8,040	1,087
LA.....	2,102	665	1,436	VT.....	630	326	304
ME.....	1,023	600	422	VA.....	3,226	1,638	1,588
MI.....	94	53	40	WA.....	10,044	9,144	900
MN.....	4,872	2,802	2,070	WV.....	1,861	1,003	858
MS.....	5,467	2,806	2,661	WI.....	2,023	1,507	516
MO.....	2,310	1,148	1,162	WY.....	9,717	9,255	463
MT.....	3,082	1,473	1,609	PR.....	55	28	28
NE.....	19,097	16,796	2,301	VI.....	( <sup>3</sup> )	( <sup>3</sup> )	.....
NV.....	442	352	90	Total.....	230,220	190,830	39,390
	5,364	5,103	261				

<sup>1</sup> *National Forest System lands.*—A nationally significant system of Federally owned units of forest, range and related land consisting of national forests, purchase units, national grasslands, and other lands, waters, and interest in lands which are administered by the Forest Service or designated for administration through the Forest Service.

National forests.—Units formally established and permanently set aside and reserved for national forest purposes. Purchase units.—Units designated by the Secretary of Agriculture or previously approved by the National Forest Reservation Commission for purposes of Weeks Law Acquisition.

National grasslands.—Units designated "National grasslands" by the Secretary of Agriculture and permanently held by the Department of Agriculture under Title III of the Bankhead-Jones Farm Tenant Act.

Land utilization projects.—Units designated by the Secretary of Agriculture for conservation and utilization under Title III of the Bankhead-Jones Farm Tenant Act.

Research and experimental areas.—Units reserved and dedicated by the Secretary of Agriculture for forest or range research and experimentation.

Other areas.—Units administered by the Forest Service that are not included in the above groups. <sup>2</sup> *Other lands within unit boundaries.*—Lands within the unit boundaries in private, State, county, and municipal ownership and Federal lands over which the Forest Service has no jurisdiction. Areas of such lands which have been offered to the United States and have been approved for acquisition and subsequent Forest Service administration, but to which title had not yet been accepted by the United States.

<sup>3</sup> Less than 500 acres.

Forest Service.

FOOTNOTES FOR TABLE 657

<sup>1</sup> Preliminary data. Data may not add to totals because of rounding.

<sup>2</sup> Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground.

<sup>3</sup> Live trees of commercial species containing at least one 12-foot sawlog or two noncontiguous 8-foot logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 9.0-inches diameter and hardwood trees must be at least 11.0-inches diameter at 4½ feet above ground.

<sup>4</sup> Includes Alaska.  
<sup>5</sup> Includes Hawaii.

Forest Service.

**Table 663.—Forest fires: Number, area burned over, and forest area on national forest land, and State and private lands, United States, 1973–87**

Year	National forest lands			State and private forest lands					
	Fires	Area burned over	National forest area under Forest Service administration <sup>1</sup>	On protected area			On unprotected area		
				Fires	Area burned over	Forest area	Fires	Area burned over	Forest area
	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
1973	9,608	134	183,014	78,877	1,086	626,523	26,274	153	63,959
1974	10,625	138	183,045	105,835	1,511	708,129	24,993	168	63,835
1975	8,646	153	183,280	91,026	1,119	726,356	31,574	264	70,848
1976	11,006	108	183,381	157,035	2,119	737,228	68,864	2,472	101,192
1977	11,474	391	183,447	142,577	2,096	748,692	15,148	254	98,501
1978	9,971	86	183,555	130,798	1,553	773,772	73,954	2,156	93,972
1979	9,181	328	183,187	104,413	1,317	783,609	44,915	433	89,518
1980	8,908	251	183,060	141,035	2,348	805,927	79,233	2,162	115,204
1981	10,361	164	186,442	173,808	3,235	840,163	60,211	634	103,307
1982	6,463	33	186,559	90,964	1,100	843,804	73,105	950	96,431
1983	5,619	47	186,532	84,725	944	851,463	66,480	3,120	200,733
1984	8,252	97	186,384	(2)	(2)	(2)	(2)	(2)	(2)
1985	8,335	464	186,315	(2)	(2)	(2)	(2)	(2)	(2)
1986	8,783	294	184,463	(2)	(2)	(2)	(2)	(2)	(2)
1987 <sup>3</sup>	(2)	(2)	186,455	(2)	(2)	(2)	(2)	(2)	(2)

<sup>1</sup> As of June 30 for 1973–75; as of September 30 for 1976–87. <sup>2</sup> Not available. <sup>3</sup> Preliminary. Forest Service.

**Table 664.—Forest products cut on National Forest System lands: Volume and value of timber cut and value of all products, United States, fiscal years 1973-87**

Year ending June 30 <sup>1</sup>	Total timber cut <sup>2</sup>		Value of miscellaneous forest products <sup>4</sup>	Total value including free-use timber	Year ending June 30 <sup>1</sup>	Total timber cut <sup>2</sup>		Value of miscellaneous forest products <sup>4</sup>	Total value including free-use timber
	Volume	Value <sup>3</sup>				Volume	Value <sup>3</sup>		
	<i>Million bd. ft.</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>Million bd. ft.</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	12,357	479,233	515	480,124	1980.....	9,178	729,829	1,064	736,641
1974.....	10,958	508,615	519	509,916	1981.....	8,036	720,922	1,627	728,919
1975.....	9,174	365,952	1,369	368,423	1982.....	6,747	339,215	2,020	348,708
1976.....	9,575	492,029	1,224	<sup>5</sup> 495,367	1983.....	9,244	649,652	1,728	655,874
( <sup>6</sup> ).....	(3,432)	(209,938)	(129)	(210,067)	1984.....	10,549	759,577	1,669	763,889
1977.....	10,482	732,547	1,002	735,949	1985.....	10,941	720,636	1,703	724,505
1978.....	10,080	854,682	1,174	858,474	1986.....	11,786	786,906	1,592	789,878
1979.....	10,377	968,033	1,149	973,018	1987.....	12,712	1,015,995	1,905	1,018,977

<sup>1</sup> Fiscal years July 1-June 30 for 1973-76; Oct. 1-Sept. 30 for 1977-87. <sup>2</sup> Commercial and cost sales and land exchanges. <sup>3</sup> Includes collections for forest restoration or improvement under the Knutson-Vandenberg Act, 1930. <sup>4</sup> Includes materials not measurable in board feet, such as Christmas trees, tanbark, turpentine, seedlings, Spanish moss, etc. <sup>5</sup> Includes free-use timber for 15-month period ending Sept. 30, 1976. <sup>6</sup> Transition quarter July 1, 1976-Sept. 30, 1976.

Forest Service.

**Table 665.—Lumber: Production, United States, 1973-87**

Year	Total	Soft-woods	Hard-woods	Year	Total	Soft-woods	Hard-woods
	<i>Million bd. ft.</i>	<i>Million bd. ft.</i>	<i>Million bd. ft.</i>		<i>Million bd. ft.</i>	<i>Million bd. ft.</i>	<i>Million bd. ft.</i>
1973.....	38,595	31,586	7,009	1981.....	31,672	25,420	6,252
1974.....	34,608	27,704	6,904	1982.....	30,010	24,949	5,061
1975.....	32,619	26,747	5,872	1983.....	34,553	28,926	5,627
1976.....	36,997	30,571	6,427	1984.....	37,065	30,801	6,264
1977.....	39,362	32,661	6,701	1985.....	36,445	30,479	5,966
1978.....	40,498	33,467	7,031	1986.....	41,999	34,815	7,184
1979.....	40,569	33,255	7,314	1987.....	44,893	37,422	7,471
1980.....	35,354	28,239	7,115				

<sup>1</sup> Preliminary.  
Forest Service.

Table 666.—Timber products: Production, imports, exports, and consumption, United States, 1973-86 <sup>1</sup>

Year	Industrial roundwood used for—											
	Lumber				Plywood and veneer				Pulp products			
	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports <sup>2</sup>	Exports <sup>2</sup>	Consumption
<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>
1973.....	5,670	1,460	300	6,830	1,320	225	40	1,510	3,755	1,460	640	4,575
1974.....	5,095	1,115	270	5,940	1,150	155	50	1,255	4,220	1,470	805	4,885
1975.....	4,890	930	255	5,565	1,165	170	70	1,265	3,485	1,105	715	3,875
1976.....	5,585	1,290	290	6,585	1,355	215	65	1,500	3,905	1,320	710	4,415
1977.....	5,950	1,675	260	7,365	1,425	210	35	1,600	3,645	1,395	725	4,320
1978.....	6,155	1,910	275	7,790	1,460	230	40	1,650	3,745	1,595	720	4,625
1979.....	6,115	1,800	340	7,580	1,370	195	45	1,520	4,110	1,635	805	4,935
1980.....	5,300	1,540	395	6,450	1,175	120	45	1,250	4,390	1,565	1,070	4,885
1981.....	4,780	1,490	380	5,885	1,180	140	70	1,250	4,125	1,515	995	4,645
1982.....	4,635	1,460	320	5,780	1,135	115	50	1,200	3,980	1,415	900	4,495
1983.....	5,370	1,915	360	6,925	1,365	160	65	1,460	4,165	1,605	965	4,805
1984.....	5,770	2,130	340	7,560	1,400	145	45	1,500	4,355	1,860	930	5,290
1985.....	5,665	2,345	305	7,700	1,420	165	40	1,550	4,165	1,810	920	5,055
1986 <sup>4</sup> .....	6,485	2,285	385	8,385	1,470	185	65	1,585	4,545	1,880	1,085	5,340

Year	Industrial roundwood used for—Continued								Fuel-wood production and consumption	Production, all products	Consumption, all products
	Other industrial products, <sup>5</sup> production and consumption	Logs		Pulp-wood chip exports	Total						
		Imports	Exports		Production	Imports	Exports	Consumption			
<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	<i>Mil-lion cu. ft.<sup>3</sup></i>	
1973.....	405	5	575	200	11,925	3,150	1,755	13,320	505	12,430	13,825
1974.....	395	15	455	230	11,540	2,755	1,805	12,490	535	12,075	13,025
1975.....	385	15	455	195	10,575	2,215	1,685	11,105	570	11,145	11,675
1976.....	375	15	555	245	11,920	2,840	1,870	12,895	600	12,525	13,495
1977.....	385	30	525	250	12,185	3,310	1,795	13,700	1,030	13,215	14,730
1978.....	400	20	585	225	12,570	3,755	1,845	14,485	1,570	14,140	16,055
1979.....	410	25	670	280	12,955	3,655	2,135	14,470	2,270	15,225	16,740
1980.....	390	25	560	275	12,090	3,250	2,350	12,995	3,190	15,285	16,185
1981.....	360	20	425	220	11,090	3,165	2,090	12,160	3,225	14,315	15,390
1982.....	345	20	550	175	10,825	3,015	1,995	11,840	3,480	14,305	15,320
1983.....	390	30	565	155	12,010	3,710	2,110	13,610	3,425	15,440	17,040
1984.....	410	30	600	145	12,685	4,165	2,060	14,790	3,920	16,605	18,710
1985.....	400	20	655	145	12,450	4,340	2,070	14,720	4,080	16,530	18,800
1986 <sup>4</sup> .....	440	15	620	150	13,715	4,360	2,305	15,770	4,105	17,815	19,875

<sup>1</sup> Data may not add to totals because of rounding.<sup>2</sup> Includes both pulpwood and the pulpwood equivalent of woodpulp, paper, and board.<sup>3</sup> Roundwood equivalent.<sup>4</sup> Preliminary.<sup>5</sup> Includes coeprage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

Forest Service.

**Table 667.—Timber prices: Average stumpage prices for sawtimber sold from national forests, by selected species, 1973-87**

Year	Douglas-fir <sup>1</sup>	Southern pine <sup>2</sup>	Ponderosa pine <sup>3</sup>	Western hemlock <sup>4</sup>	All eastern hardwoods <sup>5</sup>	Oak, white, red, and black <sup>5</sup>	Maple, sugar <sup>6</sup>
	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>
1973.....	138.10	93.40	92.30	99.20	46.00	43.60	93.60
1974.....	202.40	76.20	100.60	110.80	45.90	54.70	75.90
1975.....	169.50	57.00	71.20	68.80	33.90	29.70	42.10
1976.....	176.20	87.00	101.80	79.70	34.90	43.40	27.70
1977.....	225.90	100.30	131.40	89.30	37.90	60.00	47.40
1978.....	250.30	134.50	164.70	113.60	41.10	59.20	60.50
1979.....	394.40	155.20	239.00	200.80	46.80	68.80	68.90
1980.....	432.20	155.40	206.10	212.70	52.40	65.60	70.10
1981.....	350.20	172.00	195.20	163.40	50.90	63.20	67.80
1982.....	118.20	127.20	66.90	44.50	56.40	70.80	71.10
1983.....	161.60	140.60	104.00	62.20	60.10	87.90	55.10
1984.....	132.90	139.40	122.70	61.80	90.10	145.00	80.50
1985.....	126.20	90.70	101.40	50.50	65.40	94.50	70.00
1986.....	160.70	103.60	156.60	74.70	69.90	108.10	66.20
1987.....	190.20	135.70	213.60	105.40	88.10	146.80	80.50

<sup>1</sup> Western Washington and western Oregon. <sup>2</sup> Southern region. <sup>3</sup> Pacific Southwest region. Includes Jeffrey pine. Prior to 1979, California region. <sup>4</sup> Pacific Northwest region. <sup>5</sup> Eastern and Southern regions. <sup>6</sup> Eastern region.

Forest Service. Forest Service National Forest prices in this table are for timber sold on a Scribner Decimal C log rule basis, except in the Northeastern States where International ¼-inch log rule is used. Prices include KV payments; exclude timber sold by land exchanges and from land utilization project lands. Data for the years 1973-83 are statistical high bid prices; beginning in 1984, data are high bid prices which include specified road costs.

**Table 668.—Timber products: Producer price indexes, selected products, United States, 1973-87**

[1982=100]

Year	Lumber	Softwood plywood	Wood pulp	Paper	Paper-board	Year	Lumber	Softwood plywood	Wood pulp	Paper	Paper-board
1973.....	66.0	68.8	33.8	42.4	45.2	1981.....	104.6	108.7	104.8	97.7	101.2
1974.....	66.6	66.2	57.5	51.9	59.7	1982.....	100.0	100.0	100.0	100.0	100.0
1975.....	61.9	71.1	74.8	60.4	66.8	1983.....	113.5	110.0	91.5	98.5	98.4
1976.....	75.0	87.8	75.5	63.7	69.1	1984.....	112.5	107.6	104.8	105.8	110.4
1977.....	89.0	104.9	74.2	67.8	69.1	1985.....	109.6	107.4	91.4	106.0	107.7
1978.....	103.7	115.7	70.3	72.0	70.5	1986.....	110.5	109.4	94.7	107.0	106.6
1979.....	114.0	114.2	82.9	80.2	79.3	1987 <sup>1</sup> .....	118.2	109.8	111.5	111.5	118.1
1980.....	104.9	109.5	100.3	89.7	92.0						

<sup>1</sup> Preliminary.

Forest Service. Compiled from reports of the U.S. Department of Labor, Bureau of Labor Statistics.

**Table 669.—Livestock on National Forest System lands: Number grazed and grazing receipts, United States, 1973-87**

Year	Number grazed <sup>1 2</sup>		Receipts from grazing <sup>4</sup>	Year	Number grazed <sup>1 2</sup>		Receipts from grazing <sup>4</sup>
	Cattle and horses <sup>3</sup>	Sheep and goats			Cattle and horses <sup>3</sup>	Sheep and goats	
	<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>		<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>
1973.....	1,571	1,598	6,196	1981.....	1,535	1,341	14,889
1974.....	1,580	1,470	7,796	1982.....	1,562	1,340	12,426
1975.....	1,626	1,549	7,665	1983.....	1,609	1,242	10,182
1976.....	1,690	1,750	10,909	1984.....	1,521	1,129	9,617
1977.....	1,587	1,473	11,443	1985.....	1,565	1,183	9,040
1978.....	1,557	1,284	11,037	1986.....	1,491	1,168	8,566
1979.....	1,540	1,251	12,520	1987.....	1,410	1,134	8,104
1980.....	1,521	1,328	15,849				

<sup>1</sup> Data for 1973-76 are for authorized use, and 1977-87 are number actually grazed. <sup>2</sup> Calendar years through 1976; fiscal years Oct. 1-Sept. 30 for 1977-87. <sup>3</sup> Beginning 1977 includes burros. <sup>4</sup> Fiscal years July 1-June 30 for 1973-76; Oct. 1-Sept. 30 for 1977-87.

Forest Service.

**Table 670.—Livestock on National Forest System lands: Number grazed and grazing receipts for the year ending Sept. 30, 1987, by States**

State or other area	Number grazed		Receipts from grazing	State or other area	Number grazed		Receipts from grazing
	Cattle, horses, and burros	Sheep and goats			Cattle, horses, and burros	Sheep and goats	
	<i>Number</i>	<i>Number</i>	<i>Dollars</i>		<i>Number</i>	<i>Number</i>	<i>Dollars</i>
AL.....			650	OH.....	127		1,010
AZ.....	131,731	29,945	1,426,647	OK.....	3,470		13,521
AR.....	2,894		18,724	OR.....	105,847	29,412	1 441,580
CA.....	123,493	72,016	536,358	SC.....	31		
CO.....	196,152	229,230	912,372	SD.....	74,622	2,896	337,796
FL.....	2,120		13,231	TX.....	8,431		44,470
GA.....	555		2,863	UT.....	93,223	237,340	672,644
ID.....	121,241	212,544	696,851	VT.....	69		33
IL.....	2,314	866	489	VA.....	1,705		3,441
IN.....				WA.....	34,983	10,959	105,610
KS.....	6,088		4,573	WV.....	1,396	199	18,696
KY.....	19		127	WI.....	18		
LA.....	3,724		11,163	WY.....	139,733	206,347	565,919
MI.....	341		835	National forests.....	1,230,473	1,099,819	7,338,240
MN.....	394		580	National grasslands and land utilization project land.....			
MS.....	1,260		3,858		179,224	34,320	766,199
MO.....	4,691		24,675	Total.....	1,409,697	1,134,139	8,104,439
MT.....	127,181	32,165	615,482				
NE.....	20,027		108,203				
NV.....	55,822	47,208	308,687				
NM.....	99,057	22,670	921,197				
NY.....	1,592		16,865				
ND.....	45,346	342	275,289				

<sup>1</sup> Includes receipts from Oregon and California Railroad Grant Lands. Forest Service.

**Table 671.—National Forest System lands: Receipts, United States and Puerto Rico, fiscal years 1973-87**

Year ending June 30 <sup>1</sup>	From the use of timber <sup>2</sup>	From the use of grazing	From special land uses, water power, etc.	Total <sup>2</sup>	Year ending June 30 <sup>1</sup>	From the use of timber <sup>2</sup>	From the use of grazing	From special land uses, water power, etc.	Total <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1973.....	446,733	6,196	16,819	469,748	1980.....	625,407	15,849	61,619	702,875
1974.....	459,892	7,796	17,996	485,684	1981.....	581,441	14,889	84,403	680,734
1975.....	341,305	7,665	24,091	373,061	1982.....	251,021	12,426	86,777	350,224
1976.....	418,564	10,909	25,190	454,663	1983.....	398,499	10,182	86,627	495,308
( <sup>3</sup> ).....	(196,347)	(1,164)	(7,489)	(205,000)	1984.....	544,265	9,617	83,467	637,349
1977.....	652,050	11,443	28,076	691,569	1985.....	514,560	9,040	112,347	635,947
1978.....	723,330	11,037	30,989	765,356	1986.....	745,132	8,566	78,025	831,723
1979.....	827,632	12,520	40,885	881,038	1987 <sup>4</sup> .....	807,941	8,104	82,348	898,393

<sup>1</sup> Fiscal years July 1-June 30 for 1973-76; Oct. 1-Sept. 30 for 1977-87.

<sup>2</sup> Includes receipts from Oregon and California Railroad Grant Lands.

<sup>3</sup> Transition quarter July 1, 1976-Sept. 30, 1976.

<sup>4</sup> Preliminary. Forest Service.

**Table 672.—National forests: Payments to States and Puerto Rico from receipts from timber sales, grazing fees, and miscellaneous uses, fiscal years <sup>1</sup> 1986–88 <sup>2</sup>**

State or other areas	1986	1987	1988	State or other areas	1986	1987	1988
	1,000 dollars	1,000 dollars	1,000 dollars		1,000 dollars	1,000 dollars	1,000 dollars
AL.....	1,625	1,826	1,505	NM.....	1,577	1,730	1,927
AK.....	89	402	.....	NY.....	4	3	17
AZ.....	4,187	5,678	6,787	NC.....	919	735	952
AR.....	5,234	4,667	5,316	ND.....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
CA.....	36,086	46,968	52,560	OH.....	193	88	176
CO.....	2,586	2,079	2,528	OK.....	717	614	746
FL.....	2,854	1,762	2,709	OR.....	94,566	108,920	131,942
GA.....	878	1,009	860	PA.....	1,885	1,746	2,665
ID.....	7,805	7,812	9,307	SC.....	2,698	1,821	3,071
IL.....	96	60	236	SD.....	686	754	892
IN.....	207	121	79	TN.....	476	518	462
KY.....	431	456	482	TX.....	2,639	2,881	3,753
LA.....	2,406	2,551	3,423	UT.....	723	683	952
ME.....	33	25	34	VT.....	167	157	152
MI.....	1,115	1,188	1,339	VA.....	586	529	432
MN.....	903	638	835	WA.....	21,372	25,018	32,490
MS.....	6,370	5,510	5,017	WV.....	491	433	898
MO.....	1,342	1,195	1,569	WI.....	620	578	771
MT.....	5,857	7,110	6,500	WY.....	992	895	1,141
NE.....	35	33	35	PR.....	15	9	16
NV.....	290	313	245	Total.....	212,241	239,887	285,314
NH.....	486	372	493				

<sup>1</sup> Fiscal years Oct. 1–Sept. 30.

<sup>2</sup> Payments under the acts of May 23, 1908 (as amended), July 24, 1956, and Oct. 22, 1976, are 25 percent of total receipts remaining after deducting (a) payments to Arizona and New Mexico on account school section lands administered by Forest Service, (b) appropriations of receipts under laws authorizing such appropriations for acquisition of lands in specified national forests or portions thereof, and (c) receipts from an area of the Superior National Forest, Minnesota, on account of which the State (for the counties) is paid 0.75 percent of the appraised valuation in lieu of 25 percent of the receipts. Payments made in the following year.

<sup>3</sup> Less than \$500.

Forest Service.

**Table 673.—National Forest System lands: Number of visitor-days, <sup>1</sup> 1980–87, by activity and States, and Puerto Rico, 1987**

Year and activity	Visitor-days	Percent	1987			
			State or other area	Visitor-days	State or other area	Visitor-days
			Thou-	Thou-	Thou-	Thou-
1980.....	233,549	.....	AL.....	850	NM.....	6,447
1981.....	235,709	.....	AK.....	4,085	NY.....	23
1982.....	233,438	.....	AZ.....	18,840	NC.....	4,572
1983.....	227,708	.....	AR.....	2,279	ND.....	131
1984.....	227,554	.....	CA.....	57,975	OH.....	412
1985.....	225,407	.....	CO.....	22,583	OK.....	321
1986.....	226,533	.....	FL.....	2,732	OR.....	19,210
			GA.....	2,669	PA.....	2,394
			ID.....	10,807	SC.....	920
1987 activity:			IL.....	830	SD.....	2,687
			IN.....	483	TN.....	2,432
Mechanized travel and viewing scenery.....	75,814	31.8	KS.....	22	TX.....	1,924
Camping, picnicking and swimming.....	68,104	28.6	KY.....	2,249	UT.....	13,737
Hiking, horseback riding and water travel.....	20,352	8.5	LA.....	418	VT.....	1,029
Fishing.....	16,170	6.8	MA.....	48	VA.....	3,726
Hunting.....	15,706	6.6	MI.....	4,410	WA.....	15,058
Winter sports.....	15,201	6.4	MN.....	4,382	WV.....	1,137
Resorts, cabins and organization camps.....	14,831	6.2	MS.....	1,180	WI.....	1,953
Nature studies.....	1,710	.7	MO.....	1,716	WY.....	6,502
Other <sup>2</sup> .....	10,571	4.4	MT.....	9,912	PR.....	382
			NE.....	163		
Total <sup>3</sup> .....	238,458	100.0	NV.....	2,354	Total <sup>3</sup> .....	238,458
			NH.....	2,474		

<sup>1</sup> Recreational use of national forest land and water which aggregates 12 person-hours. This may entail one person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. Years ending Sept. 30.

<sup>2</sup> Includes team sports, gathering forest products, attending talks and programs, and other uses.

<sup>3</sup> Data may not add to total because of rounding.

Forest Service.



**Table 674.—Hunting and fishing in National Forest System lands: Sportsman use, and population and hunter harvest of big game animals, United States 1973–87**

Year	Visitor-days <sup>1</sup>		Big game <sup>2</sup>		Big game hunterharvest <sup>3</sup>	
	Fishermen	Hunters	Deer	Others <sup>4</sup>	Deer	Others <sup>4</sup>
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1973.....	15,761	14,232	3,065	610	376	89
1974.....	16,403	14,423	2,992	636	376	101
1975.....	16,151	14,472	2,809	647	338	97
1976.....	16,098	14,059	2,698	652	312	105
1977.....	16,029	14,517	2,723	686	291	96
1978.....	16,559	14,946	2,778	682	359	106
1979.....	16,776	15,328	2,667	668	354	101
1980.....	17,117	15,747	2,669	656	343	100
1981.....	16,973	16,413	2,791	694	355	103
1982.....	16,463	16,236	2,904	717	401	108
1983.....	15,567	16,129	2,814	746	366	113
1984.....	15,604	15,244	2,738	753	391	109
1985.....	15,845	14,610	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1986.....	15,208	15,276	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1987.....	16,170	15,706	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )

<sup>1</sup> A visitor-day represents fisherman or hunter use which aggregates 12 person-hours. This may entail one person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. Calendar years through 1977; fiscal years Oct. 1–Sept. 30 for 1978–87.

<sup>2</sup> Inventory as of April 30.

<sup>3</sup> Fiscal years July 1–June 30 for 1973–77; fiscal years May 1–April 30 for 1978–84.

<sup>4</sup> Includes alligators, antelope, bear, bison, caribou, elk, javelina, moose, mountain goat, mountain lion, sheep, wild boar, and wolf.

<sup>5</sup> Data no longer compiled.

Forest Service.

**Table 675.—Pulpwood consumption, woodpulp production, and paper and board production and consumption, United States, 1973–86**

Year	Pulpwood consumption <sup>1</sup>	Woodpulp production	Paper and board <sup>2</sup>		
			Production	Consumption or new supply <sup>3</sup>	Per capita consumption
	<i>1,000 cords</i> <sup>4</sup>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>
1973.....	73,596	48,327	59,303	64,577	610
1974.....	74,327	48,349	57,952	62,500	584
1975.....	65,373	43,084	50,738	54,134	501
1976.....	72,011	47,721	57,788	61,739	566
1977.....	73,935	49,132	60,485	64,940	590
1978.....	74,170	50,020	61,917	68,045	611
1979.....	77,594	51,177	64,023	69,940	621
1980.....	79,703	52,958	63,865	67,969	597
1981.....	79,350	52,790	64,582	68,793	598
1982.....	77,573	50,986	60,692	65,209	561
1983.....	83,493	54,055	66,765	71,615	610
1984.....	86,948	57,747	70,268	77,305	652
1985.....	84,840	57,693	68,830	76,488	639
1986 <sup>5</sup> .....	90,554	60,935	72,662	79,918	662

<sup>1</sup> Includes changes in stocks.

<sup>2</sup> Excludes hardboard.

<sup>3</sup> Production plus imports and minus exports (excludes products); changes in inventories not taken into account.

<sup>4</sup> One cord equals 128 cubic feet.

<sup>5</sup> Preliminary.

Forest Service. Compiled from U.S. Department of Commerce and American Paper Institute publications.

## CHAPTER XIII

# CONSUMPTION AND FAMILY LIVING

The statistics in this chapter deal with the consumption of food by both rural and urban people, retail price levels, and other aspects of family living of farm people. Data presented here on quantities for food available for consumption are based on material presented in the earlier commodity chapters, but they are shown here at the retail level, a form that is more useful for an analysis of the demand situation faced by the producer. Data on quantities of farm-produced food consumed directly by farm households are presented in the commodity chapters. Its value and the rental value of the farm home are given in the section on farm income.

**Table 676.—Population: Number of people eating from civilian food supplies, United States, Jan. 1 and July 1, 1973-88**

Year	Jan. 1	July 1	Year	Jan. 1	July 1
	<i>Millions</i>	<i>Millions</i>		<i>Millions</i>	<i>Millions</i>
1973.....	208.6	209.6	1981.....	226.9	228.0
1974.....	210.7	211.6	1982.....	229.2	230.3
1975.....	212.7	213.8	1983.....	231.6	232.6
1976.....	215.0	215.9	1984.....	233.8	234.8
1977.....	217.0	218.1	1985.....	236.0	237.0
1978.....	219.4	220.5	1986.....	238.3	239.4
1979.....	221.8	223.0	1987.....	240.6	241.7
1980.....	224.4	225.7	1988.....	242.9	243.9

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 677.—Macronutrients: Quantities available for consumption per capita per day, United States, 1972-85 <sup>1</sup>

Year	Food energy	Protein	Fat				Cholesterol	Carbohydrate
			Total fat	Saturated	Monoun-saturated	Polyun-saturated		
	<i>Kilocalories</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Grams</i>	<i>Milligrams</i>	<i>Grams</i>
1972.....	3,300	99	157	59	64	27	540	379
1973.....	3,300	98	152	56	62	28	510	386
1974.....	3,200	98	153	57	63	28	510	378
1975.....	3,200	98	149	54	61	27	500	381
1976.....	3,300	101	155	57	62	30	500	394
1977.....	3,300	100	153	56	61	29	500	393
1978.....	3,300	99	154	56	62	30	500	389
1979.....	3,400	100	158	58	63	31	510	396
1980.....	3,400	99	158	58	63	31	500	392
1981.....	3,400	99	159	58	64	31	500	393
1982.....	3,400	100	159	58	63	31	490	398
1983.....	3,400	101	162	59	65	32	500	397
1984.....	3,400	102	162	60	65	30	500	401
1985.....	3,500	104	169	61	68	33	500	413

See footnote at end of table.

Table 677.—Vitamins: Quantities available for consumption per capita per day, United States, 1972-85 <sup>1</sup>—Continued

Year	Vitamins										
	Vitamin A	Vitamin A	Carotenes	Vitamin E	Ascorbic acid	Thiamin	Riboflavin	Niacin	Vitamin B <sub>6</sub>	Folacin	Vitamin B <sub>12</sub>
	<i>International units</i>	<i>Retinol equivalent</i>	<i>Retinol equivalent</i>	<i>Milligrams alpha-te</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>
1972 .....	8,400	1,500	520	13.7	105	2.0	2.2	23	2.0	279	10.7
1973 .....	8,600	1,490	550	14.2	105	1.9	2.2	22	2.0	290	10.3
1974 .....	8,900	1,540	570	13.8	106	2.0	2.2	23	2.0	278	10.6
1975 .....	9,000	1,540	590	14.1	111	2.0	2.3	23	2.0	290	10.5
1976 .....	9,100	1,560	580	14.7	110	2.2	2.4	25	2.1	292	10.8
1977 .....	8,600	1,500	540	14.1	110	2.1	2.3	24	2.1	290	10.8
1978 .....	8,700	1,500	550	14.5	108	2.1	2.3	24	2.0	280	10.3
1979 .....	9,200	1,580	590	14.6	108	2.2	2.3	25	2.1	284	10.4
1980 .....	9,100	1,540	590	14.5	110	2.2	2.3	24	2.0	280	10.0
1981 .....	9,100	1,540	590	14.7	109	2.2	2.3	25	2.0	285	10.1
1982 .....	9,100	1,540	600	15.0	110	2.2	2.3	25	2.1	293	9.8
1983 .....	9,300	1,560	610	15.3	115	2.2	2.3	25	2.1	296	10.0
1984 .....	9,600	1,590	640	14.9	111	2.2	2.4	25	2.1	296	10.2
1985 .....	9,700	1,610	660	16.1	115	2.2	2.4	26	2.1	299	10.1

See footnote at end of table.

**Table 677.—Minerals: Quantities available for consumption per capita per day, United States, 1972-85—Continued**

Year	Minerals						
	Calcium	Phosphorus	Magnesium	Iron	Zinc	Copper	Potassium
	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>	<i>Milligrams</i>
1972 .....	880	1,490	310	14.9	12.8	1.6	3,370
1973 .....	880	1,480	320	15.0	12.4	1.6	3,380
1974 .....	860	1,470	310	14.9	12.6	1.6	3,350
1975 .....	870	1,470	320	15.1	12.6	1.6	3,390
1976 .....	890	1,510	320	15.4	13.0	1.6	3,440
1977 .....	880	1,500	310	15.2	12.9	1.6	3,370
1978 .....	880	1,480	310	15.0	12.6	1.6	3,350
1979 .....	880	1,490	310	15.1	12.5	1.6	3,350
1980 .....	870	1,470	310	14.9	12.4	1.6	3,300
1981 .....	860	1,470	310	-15.1	12.6	1.6	3,300
1982 .....	890	1,490	320	15.2	12.6	1.6	3,350
1983 .....	900	1,510	320	16.6	12.7	1.6	3,400
1984 .....	920	1,530	320	16.8	12.8	1.6	3,420
1985 .....	910	1,540	330	17.0	13.0	1.7	3,460

<sup>1</sup> Computed by Human Nutrition Information Service (HNIS), USDA. Based on Economic Research Service estimates of per capita quantities of food available for consumption (retail weight) and on HNIS estimates of quantities of produce from home gardens and certain other foods. No deduction is made on food supply estimates for loss of food or nutrients in further processing, in marketing, or in the home. Data include iron, thiamin, riboflavin, niacin, vitamin A, vitamin B<sub>6</sub>, vitamin B<sub>12</sub> and ascorbic acid added, by enrichment and fortification. Human Nutrition Information Service.

Table 678.—Food nutrients: Percentage of total contributed by major food groups, 1977 <sup>1</sup>

Nutrient and period	Meat, poultry, fish	Dairy products	Eggs	Fats, <sup>4</sup> oils	Fruits			Vegetables				Legumes, nuts, soy	Grain products	Sugars, sweeteners	Miscellaneous <sup>5</sup>	Total <sup>6</sup>
					Citrus	Non-citrus	Total <sup>6</sup>	White potatoes	Dark green, deep yellow	Other	Total <sup>6</sup>					
1977	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent
Food energy.....	20	10	2	18	1	2	3	3	(2)	2	5	3	20	18	1	100.0
Protein.....	44	20	4	(2)	1	1	1	2	(2)	2	5	5	18	(2)	1	100.0
Total fat.....	34	12	3	43	(2)	(2)	(2)	(2)	(2)	(2)	(2)	4	1	0	1	100.0
Saturated fat.....	42	20	2	31	(2)	(2)	(2)	(2)	(2)	(2)	(2)	2	1	0	2	100.0
Monounsaturated fat.....	38	8	3	44	(2)	(2)	(2)	(2)	(2)	(2)	(2)	4	(2)	0	1	100.0
Polyunsaturated fat.....	18	2	2	66	(2)	(2)	(2)	(2)	(2)	(2)	1	6	3	0	(2)	100.0
Cholesterol.....	42	13	41	4	0	0	0	0	0	0	0	0	0	0	0	100.0
Carbohydrate.....	(2)	6	(2)	(2)	2	4	6	5	1	4	9	2	35	40	1	100.0
Vitamin A (retinol equivalents).....	30	16	4	13	1	2	3	0	24	5	30	(2)	(2)	0	4	100.0
Carotenes.....	0	3	0	3	2	7	8	0	69	14	83	(2)	1	0	2	100.0
Vitamin E.....	7	3	2	64	1	3	4	(2)	2	6	8	7	4	(2)	(2)	100.0
Ascorbic Acid.....	2	4	0	0	29	14	43	16	10	22	47	(2)	0	(2)	4	100.0
Thiamin.....	26	9	2	(2)	3	2	5	5	1	5	11	6	42	(2)	(2)	100.0
Riboflavin.....	25	36	5	(2)	1	2	3	1	1	4	6	2	23	(2)	1	100.0
Niacin.....	46	2	(2)	(2)	1	2	2	6	1	4	11	5	30	(2)	3	100.0
Vitamin B <sub>6</sub> .....	43	11	2	(2)	2	7	9	12	2	7	21	4	9	(2)	1	100.0
Folacin.....	12	9	8	(2)	9	3	12	4	4	18	25	19	12	0	2	100.0
Vitamin B <sub>12</sub> .....	77	17	5	(2)	0	0	0	0	0	0	0	0	1	0	0	100.0
Calcium.....	4	77	2	(2)	1	1	2	1	1	4	6	3	4	(2)	1	100.0
Phosphorus.....	30	36	4	(2)	1	1	2	3	1	4	8	6	13	(2)	2	100.0
Magnesium.....	16	21	2	(2)	3	4	7	6	2	8	16	13	18	(2)	9	100.0
Iron.....	27	3	5	(2)	1	2	3	5	2	8	14	7	35	2	4	100.0
Zinc.....	51	18	4	(2)	(2)	1	1	3	1	3	7	5	12	(2)	2	100.0
Copper.....	22	4	1	(2)	2	5	7	11	2	8	21	18	18	2	6	100.0
Potassium.....	20	22	1	(2)	4	6	10	14	2	11	27	6	7	(2)	6	100.0

<sup>1</sup> Percentages for food groups are based on aggregate nutrient data for table 677.<sup>2</sup> Less than 0.5 percent.<sup>3</sup> Excludes butter.<sup>4</sup> Excludes butter.<sup>5</sup> Coffee, tea, spices, chocolate liquor equivalent of cocoa beans, and fortification not assigned to a specific group.<sup>6</sup> Components may not add to total due to rounding.

Human Nutrition Information Service.

Table 679.—Food nutrients: Percentage of total contributed by major food groups, 1985<sup>1</sup>

Nutrient and period	Meat, poultry, fish	Dairy products <sup>2</sup>	Eggs	Fats, oils <sup>3</sup>	Fruits		Vegetables					Legumes, nuts, soy	Grain products	Sugars, sweeteners	Miscellaneous <sup>5</sup>	Total <sup>4</sup>
					Citrus	Non-citrus	Total <sup>4</sup>	White potatoes	Dark-green, deep-yellow	Other	Total <sup>4</sup>					
1985	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent
Food energy .....	19	10	2	20	1	2	3	3	(6)	2	5	3	20	18	1	100.0
Protein .....	43	21	4	(6)	(6)	1	1	2	(6)	2	5	5	19	(6)	1	100.0
Total fat .....	31	12	2	47	(6)	(6)	(6)	(6)	(6)	(6)	(6)	4	1	0	2	100.0
Saturated fat .....	39	20	2	34	(6)	(6)	(6)	(6)	(6)	(6)	(6)	2	1	0	2	100.0
Monounsaturated fat .....	34	8	2	48	(6)	(6)	(6)	(6)	(6)	(6)	(6)	4	(6)	0	1	100.0
Polyunsaturated fat .....	18	2	2	68	(6)	(6)	(6)	(6)	(6)	(6)	1	1	6	3	(6)	100.0
Cholesterol .....	43	13	39	5	0	0	0	0	0	0	0	0	0	0	1	100.0
Carbohydrate .....	(2)	6	(6)	(6)	2	5	7	5	1	3	9	2	36	40	1	100.0
Vitamin A (retinol equivalents).....	26	16	3	12	(2)	2	3	0	30	5	35	(6)	(6)	0	4	100.0
Carotenes.....	0	2	0	3	1	6	7	0	74	12	86	(6)	1	0	2	100.0
Vitamin E.....	6	3	2	66	1	3	3	(2)	3	5	8	7	4	(6)	4	100.0
Ascorbic Acid.....	2	3	0	0	28	15	43	16	11	20	48	(6)	0	(6)	4	100.0
Thiamin.....	26	8	1	(6)	3	2	5	5	1	5	11	6	42	(6)	(6)	100.0
Riboflavin.....	24	35	4	(6)	1	2	3	1	3	6	2	24	1	1	1	100.0
Niacin.....	46	2	(6)	(6)	1	2	2	6	1	4	11	6	30	(6)	3	100.0
Vitamin B <sub>6</sub> .....	41	11	2	(6)	2	9	11	12	2	7	22	4	9	(6)	1	100.0
Folic acid.....	13	8	8	(6)	9	3	12	5	4	16	25	20	13	0	0	100.0
Vitamin B <sub>12</sub> .....	75	18	5	(6)	0	0	0	0	0	0	0	0	0	0	0	100.0
Calcium.....	4	77	2	(6)	1	1	2	1	1	4	6	3	4	(6)	0	100.0
Phosphorus.....	29	36	4	(6)	1	1	2	3	1	4	8	6	13	(6)	3	100.0
Magnesium.....	15	20	1	(6)	2	5	7	6	2	8	16	13	18	(6)	10	100.0
Iron.....	24	2	4	(6)	1	2	3	5	2	6	13	7	41	2	4	100.0
Zinc.....	49	19	4	(6)	(6)	1	1	3	1	3	7	5	13	1	2	100.0
Copper.....	21	4	1	(6)	2	5	7	11	2	8	20	18	18	3	8	100.0
Potassium.....	19	21	1	(6)	4	7	11	14	2	11	27	6	7	(6)	6	100.0

<sup>1</sup> Percentages for food groups are based on aggregate nutrient data for table 677.

<sup>2</sup> Excludes butter.

<sup>3</sup> Includes butter.

<sup>4</sup> Components may not add to total due to rounding.

<sup>5</sup> Coffee, tea, spices, chocolate liquor equivalent of cocoa beans, and fortification not assigned to a specific food group.

<sup>6</sup> Less than 0.5 percent.

Human Nutrient Information Service.

Table 680.—Per capita consumption of major food commodities (retail weight), United States, 1979-87 <sup>1</sup>

Commodity	1979	1980	1981	1982	1983	1984	1985	1986	1987 <sup>2</sup>
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Meats <sup>3</sup>	144.7	147.4	145.0	138.4	143.2	142.8	144.1	140.2	135.4
Beef	78.0	76.4	77.1	76.8	78.2	78.1	78.8	78.4	73.4
Veal	1.7	1.5	1.6	1.7	1.6	1.8	1.8	1.9	1.5
Lamb and mutton	1.3	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.3
Pork	63.7	68.1	64.9	58.5	61.9	61.5	62.0	58.6	59.2
Fish (edible weight)	13.0	12.8	12.9	12.3	13.1	13.7	14.4	14.7	15.4
Canned	4.8	4.5	4.8	4.3	4.8	4.9	5.1	5.4	5.1
Fresh and frozen	7.8	8.0	7.8	7.7	8.0	8.5	9.0	9.0	10.0
Cured	.4	.3	.3	.3	.3	.3	.3	.3	.3
Poultry products:									
Eggs	35.1	34.4	33.5	33.5	33.0	32.9	32.2	31.7	31.6
Chicken (ready-to-cook)	50.3	49.8	51.3	52.7	53.4	55.2	57.6	58.7	62.7
Turkey (ready-to-cook)	9.9	10.5	10.7	10.8	11.2	11.3	12.1	13.3	15.1
Dairy products:									
Total dairy products (milk equivalent)	548.0	543.4	540.9	555.5	572.4	581.2	592.7	590.6	598.2
Fluid milk and cream (product weight)	251.7	246.4	240.6	235.7	236.1	236.0	238.5	237.5	235.7
Plain and flavored whole milk	155.6	147.0	139.6	134.1	130.8	126.6	122.7	115.4	109.9
Lowfat milk, total	88.1	91.2	92.9	93.1	95.9	99.1	104.6	110.4	113.6
Skim milk	11.7	11.7	11.2	10.6	10.2	11.5	12.5	13.3	14.0
Buttermilk	4.2	4.1	4.0	4.1	4.3	4.4	4.4	4.2	4.0
Flavored drink	5.0	5.3	5.6	5.5	6.8	6.0	6.0	6.3	6.3
Cheese (excluding cottage)	17.2	17.5	18.2	19.9	20.5	21.4	22.5	23.0	24.0
American	9.6	9.6	10.2	11.3	11.6	11.8	12.1	12.1	12.5
Cheddar	6.9	6.9	7.0	8.7	9.1	9.5	9.7	9.7	10.6
Italian	4.2	4.4	4.5	4.8	5.3	5.8	6.4	7.0	7.6
Mozzarella	2.3	3.0	3.0	3.3	3.7	4.0	4.6	5.2	5.6
Cottage cheese	4.5	4.5	4.3	4.2	4.1	4.1	4.1	4.1	3.9
Condensed and evaporated milk:									
Whole milk	4.1	3.8	4.0	4.0	3.8	3.7	3.7	3.6	3.8
Skim milk	3.3	3.3	3.2	3.0	3.2	3.7	3.8	4.3	4.2
Ice cream (product weight)	17.3	17.5	17.4	17.6	18.0	18.1	18.1	18.4	18.3
Fats and oils—Total fat content	56.4	57.2	57.7	58.2	60.0	58.6	64.0	64.1	62.7
Butter (actual weight)	4.5	4.5	4.2	4.3	4.9	4.9	4.9	4.6	4.6
Margarine (actual weight)	11.2	11.3	11.1	11.0	10.4	10.4	10.8	11.4	10.5
Shortening	18.4	18.2	18.5	18.6	18.5	21.2	22.8	22.0	21.3
Lard (direct use)	2.5	2.6	2.5	2.5	2.1	2.1	1.8	1.7	1.8
Edible tallow (direct use)	4	1.1	1.0	1.3	2.1	1.7	1.9	1.8	1.0
Salad and cooking oils	20.8	21.2	21.8	21.8	23.5	19.8	23.5	24.1	25.2
Selected fresh fruits	80.8	86.4	83.1	83.7	88.4	87.8	86.3	93.2	86.6
Citrus	23.9	27.9	24.1	23.9	28.3	23.2	22.6	26.6	27.2
Apples	16.8	18.3	16.1	17.1	17.6	17.6	16.6	17.3	20.3
Other noncitrus	40.2	40.2	42.9	42.7	42.4	47.0	47.1	49.3	51.2
Selected fresh vegetables <sup>4</sup>	71.3	72.8	71.5	74.2	74.7	78.8	78.8	79.9	78.6
Selected vegetables for processing <sup>5</sup>	106.4	105.2	100.2	98.5	100.4	108.6	104.4	103.4	104.2
Tomatoes for processing <sup>5 6</sup>	64.3	63.6	59.3	60.1	60.8	68.4	63.1	63.4	64.6
Cucumbers for pickling <sup>5</sup>	5.9	5.6	5.7	5.7	5.8	5.8	5.8	5.3	5.1
Other vegetables for canning <sup>5 7</sup>	21.0	21.4	20.6	19.1	19.1	17.0	18.6	18.9	17.4
Vegetables for freezing <sup>5 8</sup>	15.1	14.6	14.6	13.6	14.8	17.4	16.9	15.8	17.1
White potatoes:									
Fresh	47.6	49.0	43.8	44.8	47.9	46.8	44.7	47.6	45.1
Frozen	20.7	17.9	19.1	20.0	19.1	20.7	22.0	22.0	23.2
Chips and shoestrings	4.1	4.1	4.1	4.2	4.4	4.4	4.3	4.5	4.3
Canned	1.3	1.2	1.1	1.2	1.2	1.1	1.2	1.1	1.1
Dehydrated	1.5	1.3	1.5	1.4	1.4	1.4	1.6	1.5	1.5
Grains:									
Wheat flour <sup>9</sup>	117.2	116.8	115.8	116.7	117.4	118.1	123.3	123.6	128.0
Rice	9.4	9.4	11.0	11.8	9.7	8.6	9.1	11.6	13.4
Pasta	10.2	10.0	10.0	9.9	10.5	11.3	12.9	14.4	17.1
Breakfast cereals	12.9	12.9	13.0	13.1	13.4	14.0	14.4	14.8	15.2
Other:									
Coffee	8.6	7.7	7.7	7.6	7.6	7.5	7.6	7.6	7.6
Cocoa (chocolate liquor equivalent)	2.7	2.7	2.9	3.0	3.2	3.4	3.7	3.8	3.9
Peanuts (shelled)	5.9	4.8	5.5	5.9	5.9	6.0	6.3	6.4	6.4
Sugar (refined) <sup>10</sup>	89.3	83.6	79.3	73.6	70.9	67.3	63.4	60.8	62.4
Corn sweeteners (dry weight) <sup>11</sup>	36.3	40.2	44.5	48.1	52.1	57.8	66.5	67.1	68.8
Soft drinks (gallons)	27.0	27.1	27.1	26.9	26.9	27.2	29.1	30.3	n.a.

<sup>1</sup> Quantity in pounds, retail weight unless otherwise shown. Data on calendar year basis except fresh citrus fruits, peanuts and rice which are on a crop-year basis. <sup>2</sup> Preliminary. <sup>3</sup> Total may not add due to rounding. <sup>4</sup> Includes asparagus, broccoli, carrots, cauliflower, celery, sweet corn, lettuce, onions and tomatoes. <sup>5</sup> Fresh equivalent. <sup>6</sup> Used in such processed products as ketchup, canned tomatoes, tomato paste, and tomato puree. <sup>7</sup> Includes asparagus, carrots green peas, snap beans, and sweet corn. <sup>8</sup> Includes asparagus, broccoli, carrots, cauliflower, green peas, snap beans, and sweet corn. <sup>9</sup> White, whole wheat, semolina, and durum flour. <sup>10</sup> Includes small amount of refined sugar contained in imported blends and mixtures, including sucrose-dextrose blends, sugar-sweetened tea mixes, and flavored syrups in consumer size containers. <sup>11</sup> High fructose, glucose, and dextrose. n.a. not available.

Economic Research Service. Historical consumption and supply-utilization data for food may be found in Food Consumption, Prices, and Expenditures, 1986-87, ERS, USDA, forthcoming.



**Table 681.—Food plans: Food cost at home, at four cost levels, for families and individuals in the United States, for one week, January 1988 <sup>1</sup>**

Region and sex-age groups	Thrifty plan	Low-cost plan	Moderate-cost plan	Liberal plan
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
<b>FAMILIES</b>				
United States:				
Family of 2: <sup>2</sup>				
20-50 years.....	40.80	51.70	63.90	79.90
51 years and over.....	38.50	49.50	61.40	73.70
Family of 4:				
Children, 1-2 and 3-5 years.....	59.10	74.10	90.70	111.80
Children, 6-8 and 9-11 years.....	67.80	87.20	109.20	131.90
<b>INDIVIDUALS <sup>3</sup></b>				
United States:				
Child:				
1-2 years.....	10.60	12.90	15.10	18.20
3-5 years.....	11.40	14.20	17.50	21.00
6-8 years.....	14.00	18.80	23.60	27.50
9-11 years.....	16.70	21.40	27.50	31.80
Male:				
12-14 years.....	17.40	24.20	30.30	35.60
15-19 years.....	18.00	25.10	31.30	36.20
20-50 years.....	19.40	25.00	31.30	38.00
51 years and over.....	17.60	23.70	29.30	35.30
Female:				
12-19 years.....	17.40	21.00	25.60	31.00
20-50 years.....	17.70	22.00	26.80	34.60
51 years and over.....	17.40	21.30	26.50	31.70

<sup>1</sup> Estimates for the thrifty food plan were computed from quantities of foods published in *Family Economics Review* (1984 No. 1). Estimates for the other plans were computed from quantities of foods published in *Family Economics Review* (1983 No. 2). The costs of the food plans are estimated by updating prices paid by households surveyed in 1977-78 in USDA's Nationwide Food Consumption Survey. These prices were adjusted to current levels by using food price information released periodically by the Bureau of Labor Statistics. The cost of food plans by region is no longer estimated.

<sup>2</sup> Ten percent added for family size adjustment. (See footnote 3.)

<sup>3</sup> The costs given are for individuals in 4-person families. For individuals in other size families, the following adjustments are suggested: 1-person—add 20 percent; 2-persons—add 10 percent; 3-persons—add 5 percent; 5- or 6-persons—subtract 5 percent; 7-or-more-persons—subtract 10 percent.

Human Nutrition Information Service.

**Table 682.—Food and Nutrition Service Programs: Federal costs of the National School Lunch, School Breakfast, Child Care Food, Summer Food Service, WIC, Special Milk, and Food Distribution Programs, fiscal years 1973–87 <sup>1</sup>**

Fiscal year <sup>2</sup>	Child Nutrition				Cost of food distributed <sup>4</sup>	WIC <sup>5</sup>	Special Milk	Food Distribution Programs <sup>6</sup>
	Cash payments <sup>3</sup>							
	Lunch	Breakfast	Child Care	Summer Food				
<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	
1973.....	882,162	34,602	17,916	26,547	257,688	.....	90,762	281,900
1974.....	1,085,314	59,120	27,342	33,533	386,903	10,404	49,158	218,400
1975.....	1,289,018	86,075	46,271	50,230	423,453	89,257	122,924	78,500
1976.....	1,491,545	113,560	74,948	73,378	429,590	142,640	138,549	49,100
1977.....	1,684,225	154,712	108,248	110,052	555,215	255,899	156,712	61,900
1978.....	1,830,920	183,834	131,612	96,107	631,457	379,615	135,211	95,700
1979.....	2,005,741	236,160	158,824	105,994	764,718	525,443	136,588	150,000
1980.....	2,279,403	287,766	208,179	108,296	930,083	724,693	145,212	194,400
1981.....	2,380,621	331,673	311,550	103,899	921,476	868,626	100,844	236,900
1982.....	2,185,445	317,300	300,896	82,982	784,569	948,172	18,285	467,200
1983.....	2,401,771	343,790	329,620	92,133	828,388	1,123,095	17,444	1,356,900
1984.....	2,507,665	364,004	376,823	94,373	859,198	1,386,094	16,043	1,489,900
1985.....	2,578,375	379,338	424,503	110,097	830,225	1,487,648	15,751	1,439,200
1986.....	2,714,260	406,252	465,671	112,868	854,004	1,580,518	15,456	1,380,900
1987 <sup>7</sup> .....	2,796,893	446,848	518,217	121,840	918,780	1,679,846	15,356	1,313,000

<sup>1</sup> See table 683 for Food Stamp Program costs.

<sup>2</sup> July 1–June 30 for fiscal years 1973–76; October 1–September 30 beginning fiscal year 1977.

<sup>3</sup> Includes sponsor administrative costs for the Child Care Food and Summer Food Service Programs, and State administrative and health clinic expenses for the Summer Food Service Program.

<sup>4</sup> Includes entitlement commodities, bonus commodities, and cash-in-lieu for the National School Lunch, School Breakfast, Child Care Food, and Summer Food Service Programs.

<sup>5</sup> Includes food costs, administrative costs and program evaluation funds for the Special Supplemental Food Program for Women, Infants, and Children. Program operations began in January 1974.

<sup>6</sup> Includes entitlement and bonus commodities, cash-in-lieu of commodities, and administrative costs of the following: Needy Family (Indian Reservations), Nutrition Program for the Elderly, Commodity Supplemental Food, Charitable Institutions, Summer Camps, and the Temporary Emergency Food Assistance Program (TEFAP). Excludes Child Nutrition commodities.

<sup>7</sup> Preliminary.

Food and Nutrition Service.

Table 683.—Food Stamp Program: Participation and Federal costs, fiscal years 1973-87

Fiscal year <sup>1</sup>	Average monthly participation <sup>2</sup>	Recipient benefits <sup>3</sup>	Total cost <sup>4</sup>	Average benefit per person
	<i>1,000</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Dollars</i>
1973.....	12,166	2,131,405	2,211,710	14.60
1974.....	12,862	2,718,296	2,842,158	17.61
1975.....	17,064	4,385,501	4,623,970	21.42
1976.....	18,549	5,326,505	5,692,103	23.93
1977.....	17,077	5,066,950	5,469,249	24.74
1978.....	16,001	5,139,216	5,528,307	26.77
1979.....	17,653	6,480,189	6,948,762	30.59
1980.....	21,082	8,720,870	9,215,849	34.47
1981.....	22,430	10,629,866	11,235,233	39.49
1982 <sup>5</sup> .....	21,717	10,208,298	10,850,861	39.17
1983.....	21,625	11,152,313	11,862,539	42.98
1984.....	20,854	10,696,130	11,594,862	42.74
1985.....	19,899	10,743,555	11,714,902	44.99
1986.....	19,429	10,605,196	11,693,686	45.49
1987 <sup>6</sup> .....	19,113	10,499,591	11,642,846	45.78

<sup>1</sup> Data for fiscal years July 1 to June 30 for 1973-76; October 1 to September 30 beginning 1977.

<sup>2</sup> Food Stamp coverage was not nationwide in scope until March 1975.

<sup>3</sup> Prior to elimination of the purchase requirement in January 1979, Federal benefits were often referred to as "bonus dollars". Current publications frequently refer to benefits as the "value of issuance".

<sup>4</sup> The total cost includes matching funds for state administrative expenses (e.g., certification of households, quality control, anti-fraud activities); other program costs (e.g., printing and processing of stamps, the bank monitoring system, computer support systems); and transfers to other Federal agencies to offset their expenses in auditing or investigating the program (e.g., Office of the Inspector General).

<sup>5</sup> Omits Puerto Rico beginning July 1, 1982 when their nutrition assistance program began.

<sup>6</sup> Preliminary.

Food and Nutrition Service.

**Table 684.—Food and Nutrition Service program benefits: Cash payments made under the National School Lunch, School Breakfast, Child Care, Summer Feeding and Special Milk Programs and the value of food benefits provided under the Food Stamp, WIC, Commodity Distribution and Temporary Emergency Feeding Food Programs, Fiscal Year 1987<sup>1</sup>**

State or Territory	Child Nutrition Program (cash payments only)					Special Supplemental Food (WIC)	Commodity distribution <sup>2,3</sup>	Food Stamp Program <sup>4</sup>	TEFAP <sup>5</sup>	Total
	Child Care Food	Summer Feeding	Special Milk	National School Lunch	Breakfast					
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	9,994	3,406	39	72,793	12,511	28,786	21,415	256,219	20,000	425,163
AK.....	2,485	5	21	7,193	719	2,531	1,507	26,063	0	40,524
AZ.....	8,146	719	193	34,657	6,037	23,523	22,317	119,544	10,907	226,042
AR.....	4,086	110	31	35,896	5,837	17,470	14,544	120,751	12,852	211,576
CA.....	54,352	9,612	976	311,527	59,910	119,656	108,919	610,074	89,670	1,364,697
CO.....	11,617	663	90	27,177	2,452	13,344	19,013	112,644	9,347	196,347
CT.....	4,919	1,076	527	20,822	1,250	18,913	9,240	48,249	6,986	111,981
DE.....	1,973	742	32	4,954	926	2,983	3,121	16,514	1,316	32,562
DC.....	1,675	352	11	9,053	1,575	4,306	4,550	32,459	2,022	56,004
FL.....	18,254	6,079	117	124,294	22,096	46,982	48,169	366,932	37,201	670,123
GA.....	13,436	3,275	69	94,568	16,195	44,488	32,883	257,181	15,220	477,314
GU.....	5	0	0	2,082	679	1,232	659	15,263	124	20,044
HI.....	1,505	322	8	14,727	2,291	5,270	4,629	85,319	2,573	116,643
ID.....	1,611	50	95	12,003	500	6,443	5,830	37,058	3,894	67,485
IL.....	19,251	4,792	2,459	115,064	11,380	53,041	40,584	702,547	46,671	995,788
IN.....	6,958	1,350	239	44,812	3,381	23,782	23,113	200,155	21,093	324,883
IA.....	5,061	620	186	29,992	1,563	12,977	20,771	106,709	10,544	188,244
KS.....	8,332	462	123	24,014	921	10,771	6,874	69,670	8,052	129,200
KY.....	5,357	1,085	135	56,943	13,544	27,126	22,856	302,518	24,190	453,757
LA.....	13,022	2,549	87	93,647	15,264	41,533	36,496	417,058	17,283	636,331
ME.....	3,052	239	101	11,323	864	6,793	5,996	49,639	3,278	81,234
MA.....	7,837	1,209	312	34,986	5,035	15,742	19,590	159,188	9,450	253,349
MD.....	15,596	1,696	400	40,824	7,110	22,070	23,855	139,372	10,751	261,675
MI.....	17,020	3,693	1,037	73,918	4,456	49,344	44,245	472,806	35,744	702,479
MN.....	20,006	1,125	379	56,619	1,823	20,147	20,174	107,280	15,271	222,824
MS.....	13,378	3,964	14	68,218	15,093	25,251	16,884	283,589	11,963	439,354
MO.....	8,401	1,150	362	52,451	6,023	26,075	24,301	209,888	13,440	342,595
MT.....	2,183	202	53	8,260	740	4,851	7,293	33,078	4,665	61,325
NE.....	5,050	223	108	15,658	767	7,393	9,123	49,778	4,443	93,482
NV.....	610	28	2	5,581	1,174	4,988	3,795	23,472	3,024	42,698
NH.....	1,136	153	207	5,554	488	4,975	3,700	9,956	1,640	27,310
NJ.....	10,032	3,590	786	56,760	5,320	28,405	22,804	220,217	7,476	355,390
NM.....	6,099	1,299	24	26,187	3,396	11,239	9,542	94,098	6,148	158,031
NY.....	36,647	25,527	1,754	202,340	34,601	111,030	69,345	894,867	63,222	1,439,334
NC.....	10,772	2,124	105	83,629	19,752	39,149	32,886	214,442	13,349	416,209
ND.....	4,319	162	24	7,250	406	4,748	7,674	18,673	1,951	45,207
No. Marianas <sup>4</sup> .....	0	0	0	1,188	438	0	229	0	22	1,876
OH.....	13,499	1,783	1,052	100,789	15,718	56,010	38,485	690,791	43,581	961,707
OK.....	6,860	448	37	39,479	6,379	20,562	36,271	156,174	18,283	284,491
OR.....	4,471	486	175	23,299	2,234	12,759	12,070	137,677	12,340	205,509
PA.....	15,552	6,905	567	95,699	6,829	51,122	55,636	524,246	48,712	805,267
PR <sup>4</sup> .....	0	3,107	0	96,944	16,413	59,582	17,189	0	12,291	205,525
RI.....	1,321	690	73	7,164	805	5,533	2,829	30,973	1,708	51,095
Samoa, American.....	0	0	0	2,201	1,190	0	1,355	0	0	4,746
SC.....	5,488	3,459	26	57,353	8,753	29,075	17,203	159,256	7,276	287,889
SD.....	1,691	486	37	10,655	1,516	5,216	10,897	29,733	3,149	63,379
TN.....	6,797	1,275	33	62,567	15,181	28,513	31,499	277,144	21,590	444,599
TX.....	28,052	3,059	108	242,019	62,601	90,479	83,488	877,435	67,045	1,454,287
Trust Territories <sup>6</sup> .....	0	0	0	2,822	804	0	2,624	0	0	6,250
UT.....	5,899	110	29	20,142	553	12,056	10,294	47,584	5,039	101,706
VT.....	1,140	37	166	3,917	127	5,046	2,116	16,876	1,488	30,912
VA.....	7,205	1,328	147	53,131	6,621	25,327	24,574	174,738	7,998	301,068
VI.....	424	341	3	3,468	138	3,209	929	19,183	712	28,407
WA.....	13,390	511	290	36,505	3,247	17,683	19,549	156,703	16,771	264,649
WV.....	2,480	501	28	27,012	8,612	11,255	7,930	155,381	14,884	228,084
WI.....	5,972	626	1,430	39,817	2,451	21,448	20,873	146,244	15,069	253,929
WY.....	1,701	59	25	4,337	179	2,947	3,370	16,185	1,998	30,802
Dept. of Defense.....	0	0	0	1,612	0	0	0	0	0	1,612
Total.....	476,116	109,075	15,356	2,796,893	446,873	1,344,938	1,168,603	10,499,591	845,697	17,703,141

<sup>1</sup> Preliminary. Excludes administrative costs. <sup>2</sup> Includes distribution of entitlement and bonus commodities to Schools, Child Care, Summer Feeding, Charitable Institutions, Summer Camps, Indian Reservations, Elderly Feeding, Commodity Supplemental, and Elderly Pilot Programs. <sup>3</sup> Excludes \$146.0 million cash-in-lieu of commodities to School Lunch, Child Care, and Elderly Feeding Programs. <sup>4</sup> Excludes nutrition assistance grants of \$853 million to Puerto Rico and \$3.7 million to the Northern Marianas. <sup>5</sup> Includes the value of commodities provided under the Temporary Emergency Food Assistance Program. <sup>6</sup> The former Trust Territories discontinued participation in the Child Nutrition Programs In January 1987 (except for Palau).

**Table 685.—Food and Nutrition Service programs: Persons participating, fiscal years 1973-87 <sup>1</sup>**

Fiscal year <sup>2</sup>	National School Lunch Program	School Breakfast Program
	<i>Thousands</i>	<i>Thousands</i>
1973.....	25,163	1,813
1974.....	25,019	1,534
1975.....	25,289	1,993
1976.....	26,041	2,326
1977.....	26,676	2,627
1978.....	27,062	2,960
1979.....	27,322	3,488
1980.....	27,011	3,713
1981.....	26,843	3,996
1982.....	23,165	3,447
1983.....	23,383	3,480
1984.....	23,696	3,556
1985.....	24,051	3,574
1986.....	24,263	3,596
1987 <sup>3</sup> .....	24,488	3,665

<sup>1</sup> Based on peak month of participation.<sup>2</sup> Data for fiscal years July 1-June 30 for 1973-76; Oct. 1-Sept. 30 beginning fiscal year 1977.<sup>3</sup> Preliminary.

Food and Nutrition Service.

**Table 686.—Consumers' prices: Index number of prices paid for goods and services, United States, 1980-87 <sup>1</sup>**

[1982-84 = 100]

Year	Food	Nonfood items					All items
		Apparel and upkeep	Housing		Transportation	Medical care	
			Total	Rent			
1980 <sup>2</sup> .....	86.8	90.9	81.1	.....	83.1	74.9	82.4
1981.....	93.6	95.3	90.4	.....	93.2	82.9	90.9
1982.....	97.4	97.8	96.9	100.0	97.0	92.5	96.5
1983.....	99.4	100.2	99.5	103.0	99.3	100.6	99.6
1984.....	103.2	102.1	103.6	108.6	103.7	106.8	103.9
1985.....	105.6	105.0	107.7	115.4	106.4	113.5	107.6
1986.....	109.0	105.9	110.9	121.9	102.3	122.0	109.6
1987.....	113.5	110.6	114.2	128.1	105.4	130.1	113.6

<sup>1</sup> Reflects retail prices of goods and services usually bought by average families in urban areas of the United States. This index is the official index released monthly by the U.S. Department of Labor. Beginning 1978 data are for all urban consumers; earlier data are for urban wage earners and clerical workers.<sup>2</sup> Data prior to 1980 available from U.S. Department of Labor.

Economic Research Service. Compiled from data of the U.S. Department of Labor.

Table 687.—Number of foodservice establishments, by industry segment, 1980-87

Industry segment	1980	1981	1982	1983	1984	1985	1986	1987 <sup>1</sup>
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Separate eating places:								
Restaurants, lunchrooms.....	121,269	122,060	122,851	123,642	124,433	125,502	125,237	124,983
Fast food outlets.....	110,469	113,794	117,119	120,444	123,769	124,809	125,032	126,619
Cafeterias.....	6,418	6,223	6,029	5,835	5,640	5,388	4,277	4,420
Total <sup>2</sup> .....	238,167	242,089	249,558	249,932	253,854	255,699	254,546	256,022
Lodging places.....	24,152	23,559	24,448	23,855	23,262	22,613	24,533	25,413
Retail hosts.....	58,808	58,193	57,578	56,963	56,348	56,005	55,616	54,942
Recreation, entertainment.....	33,902	33,996	34,093	34,188	34,282	34,910	35,716	36,125
Separate drinking places.....	47,250	45,864	44,478	43,092	41,706	40,642	39,462	38,520
Commercial feeding total <sup>2</sup> .....	402,278	403,701	410,155	408,030	409,453	409,869	409,873	411,022
Education:								
Elementary, secondary.....	94,100	92,900	91,300	90,600	89,600	89,424	88,824	88,414
Colleges, universities.....	3,231	3,253	3,280	3,284	3,288	3,299	3,312	3,443
Other education.....	2,957	2,925	2,966	2,975	3,000	3,076	3,120	3,195
Total <sup>2</sup> .....	100,288	99,078	97,546	96,859	95,888	95,799	95,256	95,042
Plants, office buildings.....	15,780	15,747	15,414	15,409	15,846	15,963	16,006	16,814
Hospitals.....	6,965	6,933	6,915	6,888	6,861	6,835	6,810	6,796
Care facilities.....	23,065	24,941	26,817	27,875	28,933	29,711	30,599	31,218
Vending.....	3,660	3,634	3,608	3,582	3,556	3,535	3,507	3,480
Military services:								
Troop feeding.....	1,275	1,389	1,387	1,341	1,310	1,290	1,250	1,222
Clubs, exchanges.....	2,448	2,435	2,431	2,420	2,042	1,980	1,940	1,913
Total <sup>2</sup> .....	3,723	3,824	3,818	3,761	3,352	3,270	3,190	3,135
Transportation.....	696	714	664	644	642	640	626	607
Associations.....	19,150	19,211	19,272	19,333	19,394	19,450	19,333	19,200
Correctional facilities.....	6,924	6,977	7,031	7,085	7,164	7,204	7,232	7,255
Child day care centers.....	45,155	64,657	70,679	78,800	84,175	88,410	91,645	94,819
Elderly feeding programs.....	12,556	12,915	13,246	13,993	14,035	14,068	19,167	19,605
Other.....	15,914	15,841	16,159	16,479	16,799	17,101	17,389	17,681
Noncommercial feeding total <sup>2</sup> .....	253,875	274,472	281,169	290,708	296,645	301,986	310,760	315,652
Grand total <sup>2</sup> .....	656,153	678,172	691,324	698,738	706,098	711,855	720,633	726,674

<sup>1</sup> Preliminary.<sup>2</sup> Totals may not add due to rounding.Economic Research Service, *Food Marketing Review*, 1987.

FOODSERVICE SALES

501

Table 688.—Foodservice sales, by industry segment, 1980-87

Industry segment	1980	1981	1982	1983	1984	1985	1986 <sup>1</sup>	1987 <sup>1</sup>
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Separate eating places:								
Restaurants, lunchrooms.....	35,615	38,805	40,931	44,731	48,419	52,296	54,077	57,942
Fast food outlets.....	28,706	31,523	36,492	41,898	47,319	51,455	55,767	56,822
Cafeterias.....	2,426	2,575	2,699	2,871	3,022	2,992	2,817	2,919
Total <sup>2</sup> .....	67,557	73,787	80,967	90,356	99,582	106,743	112,661	117,683
Lodging places.....	5,258	5,939	6,164	6,756	7,264	7,355	7,862	7,913
Retail hosts.....	3,535	3,835	3,943	4,318	4,779	4,910	5,242	5,391
Recreation, entertainment.....	2,362	2,471	2,813	3,093	3,394	3,510	3,935	4,215
Separate drinking places.....	1,100	1,121	1,098	1,111	1,076	982	903	844
Commercial feeding total <sup>2</sup> .....	79,814	87,154	94,985	105,634	116,095	123,500	130,603	136,046
Education:								
Elementary, secondary.....	7,875	8,099	7,368	7,537	7,930	8,472	8,673	8,803
Colleges, universities.....	2,824	3,126	3,487	3,886	4,092	4,230	4,403	4,544
Other education.....	134	152	175	201	217	240	267	277
Total <sup>2</sup> .....	10,833	11,376	11,030	11,624	12,239	12,942	13,343	13,624
Plants, office buildings.....	5,145	5,669	5,919	6,258	6,793	7,186	7,365	7,525
Hospitals.....	4,319	5,366	5,609	5,715	5,817	5,905	6,392	6,750
Care facilities.....	3,602	4,072	4,797	4,983	5,281	5,452	5,522	5,752
Vending.....	3,094	3,183	3,214	3,348	3,553	3,730	3,685	3,705
Military services:								
Troop feeding.....	1,496	1,619	1,644	1,709	1,765	1,853	1,933	2,002
Clubs, exchanges.....	438	490	522	546	601	617	627	642
Total <sup>2</sup> .....	1,934	2,109	2,166	2,255	2,366	2,470	2,560	2,644
Transportation.....	1,563	1,656	1,685	1,793	1,922	1,996	2,296	2,469
Associations.....	1,153	1,276	1,431	1,501	1,562	1,610	1,692	1,714
Correctional facilities.....	705	786	1,018	1,092	1,155	1,205	1,388	1,505
Child day care centers.....	469	641	607	663	760	835	920	1,012
Elderly feeding programs.....	456	544	579	629	689	744	804	884
Other.....	192	208	223	238	252	268	287	303
Noncommercial feeding total <sup>2</sup> .....	34,064	36,886	38,279	40,098	42,390	44,343	46,254	47,887
Grand total <sup>2</sup> .....	113,878	124,040	133,264	145,733	158,485	167,843	176,857	183,933

<sup>1</sup> Preliminary.

<sup>2</sup> Totals may not add due to rounding.

## CHAPTER XIV

# MISCELLANEOUS AGRICULTURAL STATISTICS

This chapter contains miscellaneous data which do not fit into the preceding chapters. Included here are summary tables on foreign trade in agricultural products; statistics on fishery products; tables on refrigerated warehouses; and statistics on crops in Alaska.

### Foreign Agricultural Trade Statistics

U.S. foreign agricultural trade statistics are based on documents filed by exporters and compiled by the Bureau of the Census. Agricultural commodities consist of (1) nonmarine food products and (2) other products of agriculture which have not passed through complex processes of manufacture such as raw hides and skins, fats and oils, and wine. Such manufactured products as textiles, leather, boots and shoes, cigarettes, naval stores, forestry products, and distilled alcoholic beverages are not considered agricultural.

The trade statistics exclude shipments between the 50 States and Puerto Rico, between the 50 States and the island possessions, between Puerto Rico and the island possessions, among the island possessions, and in transit through the United States from one foreign country to another when documented as such by U.S. Customs authorities.

The export statistics also exclude shipments to the U.S. Armed Forces and diplomatic missions abroad for their own use and supplies for vessels and planes engaged in foreign trade. Data on shipments valued at less than \$251 (\$100 prior to October 1969) are not compiled by commodity and are excluded from agricultural statistics but are reflected in shipments under Public Law 83-480 (Agricultural Trade Development and Assistance Act), and related laws; under the Foreign Assistance Act of 1961, as amended; and involving Government payments to exporters. (USDA payments are excluded from the export value.) Separate statistics on Government program exports are compiled by the U.S. Department of Agriculture from data obtained from operating agencies.

The export value, the value of the port of exportation, is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port. The country of destination is the country of ultimate destination or where the commodities are to be consumed, further processed, or manufactured. When the shipper does not know the ultimate destination, the shipments are credited to the last country, as known to him at the time of shipment from the United States, to which the commodities are to be shipped in their present form. Since substantial amounts of agricultural commodities such as wheat, corn, and soybeans are transshipped through the Netherlands, West Germany, and Belgium, exports of those countries are overstated. Exports to final destinations including the United Kingdom, France, Spain, East Germany, and other countries are understated. Except for Canada, export shipments valued \$251-\$999 (\$100-\$499 prior to October 1969) are included on the basis of sampling estimates; shipments to Canada valued \$251-\$1,999 (\$100-\$1,999 prior to October 1969) are sampled. Prior to January 1, 1973, shipments of grains and oilseeds to Canada were greatly overstated because of transshipments. After January 1, 1973, shipments to Canada of wheat, rye, barley, oats, corn, soybeans, and flaxseed from certain U.S. ports to certain Canadian ports were designated as exports to "unidentified countries."

Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption. The import value, defined generally as the market value in the foreign country, excludes import duties, ocean freight, and marine insurance. The country of origin is defined as the country where the commodities were grown or processed. Where the country of origin is not known, the imports are credited to the country of shipment. Low-valued shipments under \$251 are reflected in nonagricultural and overall import totals.



**Table 689.—Foreign trade: Value of total agricultural exports and imports, United States, fiscal years 1973-87**

Year ending Sept. 30 <sup>1</sup>	Total domestic exports	Agricultural exports <sup>2</sup>		Total imports for consumption	Agricultural imports (for consumption)					Excess of domestic agricultural exports over competitive imports
		Domestic	Percentage (domestic) of total exports		Total	Competitive	Noncompetitive	Competitive		
	Million dollars	Million dollars	Percent	Million dollars	Million dollars	Million dollars	Million dollars	Percent	Percent	Million dollars
1973.....	57,815	12,902	22	61,389	7,324	4,707	2,617	36	64	8,195
1974.....	84,924	21,293	25	82,503	9,549	6,272	3,277	29	66	15,021
1975.....	102,858	21,578	21	101,060	9,579	6,821	2,758	32	71	14,757
1976.....	109,389	22,147	20	105,883	10,107	6,289	3,818	28	62	15,858
(*).....	(27,313)	(5,356)	(20)	(31,686)	(2,804)	(1,597)	(1,207)	(30)	(43)	(3,759)
1977.....	119,118	23,974	20	142,418	13,357	6,548	6,809	27	49	17,426
1978.....	131,559	27,289	21	165,981	16,196	13,886	6,572	27	53	19,975
1979.....	167,818	31,979	19	193,610	16,186	9,075	7,110	28	56	22,904
1980.....	210,327	40,481	19	240,366	17,276	9,924	7,351	25	57	30,557
1981.....	229,203	43,780	19	254,687	17,278	11,302	5,916	26	66	32,478
1982.....	215,405	39,097	18	248,834	15,485	10,198	5,287	26	66	28,899
1983.....	194,142	34,769	18	246,900	16,373	10,909	5,465	31	67	23,860
1984.....	208,041	38,027	18	316,652	18,916	12,240	6,676	32	65	25,787
1985.....	210,437	31,201	15	393,462	19,740	12,959	6,781	42	66	18,242
1986.....	202,937	26,309	13	363,730	20,875	13,072	7,803	50	63	13,237
1987 <sup>5</sup> .....	230,190	27,859	12	388,024	20,643	13,861	6,782	50	67	13,998

<sup>1</sup> Fiscal years July 1-June 30 for 1973-76; Oct. 1-Sept. 30 for 1977-1987.

<sup>2</sup> Includes food exported for relief or charity by individuals and private agencies.

<sup>3</sup> Competitive agricultural imports consist of all imports similar to agricultural commodities produced commercially in the United States, together with all other agricultural imports interchangeable to any significant extent with such U.S. commodities. Noncompetitive agricultural imports include all others, about 90 percent of which consist of rubber, coffee, raw silk, cacao beans, wool for carpets, bananas, tea, and vegetable fibers.

<sup>4</sup> Transition quarter July 1, 1976 to September 30, 1976.

<sup>5</sup> Preliminary.

.. Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 690.—Agricultural exports: Quantity Indexes, United States, fiscal years 1976-87**

[Calendar year 1977=100]

Year ending Sept. 30 <sup>1</sup>	Total agricultural exports <sup>2</sup>	Animals and animal products	Meat and meat products <sup>3</sup>	Animal fats <sup>3</sup>	Dairy products <sup>3</sup>	Poultry and poultry products <sup>3</sup>	Cotton excluding linters	Tobacco unmanufactured	Grains and feeds	Vegetable oils and oil-seeds	Fruits and vegetables
1976.....	97	91	92	75	76	83	74	93	107	92	104
1977.....	99	102	103	100	98	102	98	102	102	94	106
1978.....	117	100	100	94	143	104	130	96	119	124	107
1979.....	120	98	96	93	121	112	132	100	123	127	108
1980.....	143	106	101	111	156	168	193	99	146	150	133
1981.....	135	113	107	110	185	201	119	88	153	125	159
1982.....	140	117	107	108	292	161	147	89	142	149	158
1983.....	129	115	101	103	380	127	114	86	127	146	133
1984.....	124	121	103	99	498	112	142	80	134	116	124
1985.....	112	122	105	87	513	117	124	90	115	102	111
1986.....	103	130	111	96	566	133	49	79	92	120	111
1987 <sup>4</sup> .....	118	137	134	87	515	188	126	79	110	126	127

<sup>1</sup> Fiscal years, Oct. 1-Sept. 30.

<sup>2</sup> Based on 92 percent of total value of U.S. agricultural exports in 1977.

<sup>3</sup> Included in "Animals and animal products."

<sup>4</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 691.—Agricultural imports: Quantity indexes, United States, fiscal years 1976-87**

[Calendar year 1977=100]

Year ending Sept. 30 <sup>1</sup>	Total agricultural imports <sup>2</sup>	Non-competitive imports <sup>3</sup>	Competitive imports <sup>3</sup>	Animals and animal products	Dairy products <sup>4</sup>	Hides and skins <sup>4</sup>	Meat and meat products <sup>4</sup>	Wool excluding free in bond <sup>4</sup>	Grains and feeds	Vegetable oils and oil-seeds	Sugar cane or beet	Tobacco unmanufactured
1976.....	113	123	98	103	97	105	108	120	109	126	75	99
1977.....	104	107	100	99	103	91	99	112	95	113	87	98
1978.....	101	102	100	108	105	93	110	79	94	84	83	105
1979.....	115	122	105	118	116	92	127	80	114	85	80	115
1980.....	107	112	100	108	110	75	115	91	119	73	75	118
1981.....	107	109	104	111	119	118	115	152	110	115	71	112
1982.....	105	108	100	110	130	60	114	147	131	87	66	92
1983.....	111	113	108	119	139	123	119	130	136	91	49	167
1984.....	116	120	111	118	146	143	115	207	157	99	54	132
1985.....	122	125	118	133	142	150	142	145	200	108	45	133
1986.....	126	129	122	143	141	175	144	191	238	133	36	145
1987 <sup>5</sup> .....	127	128	124	154	133	105	162	218	245	129	36	156

<sup>1</sup> Fiscal years Oct. 1-Sept. 30 for 1976-87. <sup>2</sup> Based on 86 percent of total value of U.S. agricultural imports in 1977. <sup>3</sup> Competitive agricultural imports consist of all imports similar to agricultural commodities produced commercially in the United States, together with all other agricultural imports interchangeable to any significant extent with such U.S. commodities. Non-competitive agricultural imports include all others, about 90 percent of which consist of rubber, coffee, tea, cacao beans, raw silk, wool for carpets, bananas, spices, and vegetable fibers. <sup>4</sup> Included in "Animals and animal products." <sup>5</sup> Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 692.—U.S. agricultural exports: Value of exports under specified Government-financed programs, exports excluding specified Government-financed programs, and total exports, year ending Sept. 30, 1987<sup>1</sup>**

Commodity	Public Law 480				Foreign Donations sec. 416 <sup>4</sup>	Foreign Assistance Act of 1961, as amended (AID)	Total agricultural exports		
	Title I sales		Title II donations				Under specified Government programs	Outside specified Government programs <sup>5</sup>	All
	Local Currency <sup>2</sup>	Long-term credit sales <sup>3</sup>	Government to government and World Food Program	Voluntary agencies					
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	
Butter.....			0.1		3.2		3.3	8.8	12.1
Cheese.....			.2		12.8		13.0	18.9	31.9
Milk, nonfat dry.....			1.9	10.5	42.0		54.4	166.4	220.8
Anhydrous milk fat.....					11.5		11.5	°-6.0	5.5
Milk, cream fresh or sour.....					.2		.2	6.0	6.2
Wheat.....	11.7	388.6	22.5	9.3	48.2	0.1	480.4	2,396.6	2,877.0
Wheat flour.....		77.1	8.6	10.1	1.9		97.7	109.0	206.7
Bulgur wheat.....			3.1	20.8	.3		24.2	.7	24.9
Rice.....		51.6	18.3	6.3	10.3		86.5	464.0	550.5
Corn.....		24.7	2.6	.7	2.9	32.6	63.5	2,984.3	3,047.8
Grain sorghum.....			.7	.4			1.1	390.2	391.3
Oats, rolled.....			2.0	.3			2.3	°-1.3	1.0
Cornmeal.....			5.0	4.5			9.8	7.1	16.9
Corn-soya-milk.....			6.9	26.4			33.3	2.8	36.1
Edible preparations.....			1.4	.5			1.9	14.7	16.6
Soya-sorghum-grits.....			.8	1.6			2.4	143.5	145.9
Oil, soybean.....	6.6	94.4	41.6	28.8		1.9	173.3	49.6	222.9
Oil, cottonseed.....		3.2					3.2	44.0	47.2
Oil, Sunflower seed.....		1.5					1.5	65.8	67.3
Soybeans.....		2.7					9.9	4,180.9	4,190.8
Oilcake and meal, soybean.....							7.2	7.2	1,317.5
Seeds.....							1.2	1.2	369.8
Nuts.....							4	4	768.2
Tallow, inedible.....		12.0					6.8	18.8	336.5
Poultry feed, prepared.....							.3	.3	56.5
Feeds and fodders.....							.7	.7	1,454.3
Beans, dried.....			7.0	1.5			8.7	206.3	215.0
Peas, dried.....			.1	.1			.2	34.5	34.7
Lentils, dried.....				1.3			1.3	15.2	16.5
Cotton, excl. lintners.....		21.5					21.5	1,397.8	1,419.3
Raisins, dried.....				2.2			2.2	125.9	128.1
Other.....							1.0	9,593.8	9,594.8
Total.....	18.3	677.3	125.3	123.1	133.3	59.6	1,136.9	26,722.3	27,859.2

See footnotes on page 505.

**Table 693.—U.S. agricultural exports: Value of exports under specified Government-financed programs, exports excluding specified Government-financed programs, and total exports, year ending Sept. 30, 1986 <sup>1</sup>**

Commodity	Public Law 480			Foreign donations section 416 <sup>3</sup>	Foreign Assistance Act of 1961, as amended (AID)	Total agricultural exports		
	Title I sales	Title II donations				Under specified Government programs	Outside specified Government programs <sup>4</sup>	All
	Long-term credit sales <sup>2</sup>	Government-to-government and World Food Program	Voluntary agencies					
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	
Butter.....				2.4		2.4	13.5	15.9
Cheese.....		0.1		21.7		21.8	10.1	31.9
Milk—nonfat dry.....		2.8	11.8	77.3		91.9	128.9	220.8
Milk, cream fresh or sour.....				1.1		1.1	6.1	7.2
Anhydrous milk fat.....				24.9		24.9	<sup>5</sup> - 7	24.2
Wheat.....	378.7	58.2	13.5	5.4	59.5	515.8	2,744.4	3,259.7
Wheat flour.....	86.4	7.9	13.2			107.5	95.9	203.4
Bulgur flour.....		11.8	60.7	3.7		76.2	1.1	77.3
Rice.....	57.6	6.3	9.3			73.2	574.3	647.5
Corn.....	12.5	9.4	1.5		47.1	70.5	3,220.8	3,291.3
Grain sorghums.....		1.1	2.9			4.0	381.7	385.7
Oats, rolled.....		1.1	.1			1.2	1.2	2.4
Cornmeal.....		8.4	7.6			16.0	17.5	33.5
Corn—soya—milk.....		8.4	34.8			43.2	9.3	52.5
Edible preparations.....		.9	1.7			2.6	11.3	13.9
Soya—sorghum—grits.....		2.8	9.1			11.9	109.2	121.1
Oil, soybean.....	21.5	35.3	44.3		2.0	103.1	188.7	291.8
Oil, cottonseed.....	12.0					12.0	91.9	103.9
Oilcake and meal, soybean.....					4.3	4.3	1,108.9	1,113.2
Soy flour (defatted).....		.1				.1	2.1	2.2
Seeds.....					6.7	6.7	359.8	366.5
Tallow, inedible.....	14.3				2.4	16.7	394.9	411.6
Poultry feed, prepared.....					.2	.2	27.4	27.6
Feeds and fodders.....					2.9	2.9	1,256.0	1,258.9
Beans, dried.....		1.8	1.0			2.8	127.0	129.8
Peas, dried.....		1.0	1.0			2.4	39.9	42.3
Lentils, dried.....					5.5	5.5	22.5	28.0
Cotton, excl. linters.....	6.2					6.2	671.4	677.6
Raisins, dried.....			1.8			1.8	104.6	106.4
Others.....					.4	.4	13,360.4	13,360.8
Total.....	589.2	157.4	214.3	136.5	131.4	1,228.8	25,080.1	26,308.9

<sup>1</sup> Preliminary. <sup>2</sup> Includes long-term dollar credit and convertible foreign currency sales. <sup>3</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Adjustment Act of 1984. <sup>4</sup> Agricultural exports excluding Government programs (sales for dollars) include, in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of extension of credit and credit guarantees for relatively short periods. <sup>5</sup> Negative quantity due to adjustments for prior periods.

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FOOTNOTES FOR TABLE 692

<sup>1</sup> Preliminary.

<sup>2</sup> Authorized by the Food Security Act of 1985.

<sup>3</sup> Includes long-term dollar and convertible foreign currency sales.

<sup>4</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Adjustment Act of 1984.

<sup>5</sup> Agricultural exports outside Government programs (sales for dollars) include, in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of extension of credit and credit guarantees for relatively short periods.

<sup>6</sup> Negative quantity due to adjustments for prior periods.

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**Table 694.—U.S. agricultural exports under the concessional program: Estimated market value of agricultural shipments under Title I/III of Public Law 480 for fiscal years 1986 and 1987<sup>1</sup>**

Country	Wheat and flour	Feed grains	Rice	Cotton	Tobacco	Vegetable oils	Dairy products	Other	Total
1986 (year ending Sept. 30, 1986)									
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Bangladesh	44,830		5,967	1,474		5,345			57,617
Bolivia	28,816								28,816
Costa Rica	16,192								16,192
Dominican Republic	3,453		4,379			2,200			10,032
Ecuador	2,765								2,765
Egypt	206,716								206,716
El Salvador	19,769					11,460		<sup>2</sup> 13,519	44,748
Ghana			3,886	1,583					5,469
Guatemala	6,155					4,166		<sup>2</sup> 1,403	11,725
Guinea			6,941						6,941
Guyana	810								810
Haiti	8,611					1,989			10,600
Honduras	9,810							<sup>2</sup> 1,002	10,812
Indonesia	19,713								19,713
Jamaica	13,015	8,117	8,412						29,545
Kenya	7,064		102						7,166
Liberia			10,534						10,534
Madagascar			3,999			3,992			7,991
Maldives	995					499			1,494
Morocco	33,536								33,536
Mozambique	5,373	2,200	2,900						10,472
Pakistan						20,238			20,238
Peru	8,307								8,307
Philippines	20,866		4,933						25,799
Senegal			5,500						5,500
Sierra Leone	1,923		2,000						3,923
Somalia	4,380		4,399			4,801			13,580
Sri Lanka	32,962								32,962
Sudan	43,568								43,568
Tunisia		5,941							5,941
Yemen Arab Rep.	1,990		2,848						4,838
Zaire	6,875			4,978					11,853
Zambia	4,632					3,114			7,746
Total	553,126	16,258	66,800	8,035		57,804		15,924	717,948
1987 (year ending Sept. 30, 1987 <sup>4</sup> )									
Bangladesh	45,903		5,360	16,911		14,269			82,443
Bolivia	20,495								20,495
Costa Rica	11,029	970							11,999
Dominican Republic			8,945			19,804			28,749
Ecuador	2,210								2,210
Egypt	177,787								177,787
El Salvador	11,144					6,533		<sup>2</sup> 10,531	28,208
Ghana			1,996	4,278					6,274
Guatemala	14,503	1,000				3,845			19,349
Guinea			5,708						5,708
Guyana	4,994					668			5,662
Haiti	6,900					3,533			10,432
Honduras	7,514	1,475						<sup>2</sup> 1,929	10,918
Indonesia	29,327								29,327
Jamaica	16,486	8,433	5,495						33,106
Kenya	4,022							<sup>3</sup> 2,692	4,022
Liberia			3,924						3,924
Madagascar	1,123					3,981			5,103
Maldives	796								796
Morocco	21,843	3,841				20,998			46,682
Mozambique		900							900
Pakistan						37,220			37,220
Peru	10,479	4,210	7,000						21,689
Philippines	7,288								7,288
Senegal			6,175						6,175
Sierra Leone			8,472						8,472
Sri Lanka	21,610								21,610
Sudan	51,024								51,024
Tunisia	14,401	5,549							19,950
Yemen Arab Rep.	10,122		6,234						16,356
Zaire	5,438		5,497	10,276					21,211
Zambia	1,915							<sup>2</sup> 400	2,315
Total	498,353	26,378	64,806	31,465		110,851		15,552	747,405

See footnotes on page 507.

**Table 695.—U.S. agricultural exports: Value under specified Government-financed programs, commercial exports with and without assistance, and total, fiscal years 1982-87 <sup>1</sup>**

Type of export	1982	1983	1984	1985	1986	1987 <sup>2</sup>
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Public Law 480:						
Long-term dollar and convertible foreign currency credit sales .....	722	810	775	928	589	696
Government-to-government and World Food Program donations.....	158	178	291	395	157	125
Donations through voluntary agencies.....	227	207	311	304	214	123
Foreign donations, section 416 <sup>3</sup> .....			129	279	137	133
Foreign Assistance Act of 1961, as amended (AID).....	82	130	104	90	131	60
Total agricultural exports under specified Government programs.....	1,189	1,325	1,610	1,996	1,228	1,137
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Commercial exports (sales for dollars):						
Without assistance.....	36.5	29.3	32.6	26.4	22.7	24.1
With assistance <sup>4</sup> .....	1.4	4.1	3.8	2.8	2.4	2.6
Total commercial exports.....	37.9	33.4	36.4	29.2	25.1	26.7
Total exports.....	39.1	34.8	38.0	31.2	26.3	27.9

<sup>1</sup> Fiscal years Oct. 1-Sept 30 for 1982-87.

<sup>2</sup> Preliminary.

<sup>3</sup> Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Adjustment Act of 1984.

<sup>4</sup> Export credit guarantees under GSM-5, GSM-101, GSM-102, Blended credit.

Economic Research Service.

FOOTNOTES FOR TABLE 694

<sup>1</sup> Estimated market values include values of shipments under P.L. 480 agreements for long-term dollar credit and convertible local currency credit payment provisions. These methods of financing were included in Title I when a revision of the act was signed in 1966 (P.L. 89-808). Totals may not add due to rounding.

<sup>2</sup> Inedible tallow.

<sup>3</sup> Soybeans.

<sup>4</sup> Preliminary.

FAS-Program Analysis Division Export Credits.

Table 696.—Foreign trade in agricultural products: Value of exports by principal groups, United States, fiscal years 1983-87<sup>1</sup>

Product	1983	1984	1985	1986	1987 <sup>2</sup>
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
All commodities.....	194,141,646	208,041,201	210,487,100	202,937,361	230,189,696
Nonagricultural commodities.....	159,372,190	170,014,381	179,236,302	176,628,473	202,330,463
Agricultural commodities.....	34,769,456	38,026,820	31,200,798	26,308,888	27,859,233
Animals and animal products <sup>3</sup> .....	3,748,000	4,218,382	4,075,478	4,353,343	5,013,179
Animals, live excluding poultry.....	264,108	276,238	255,241	344,279	330,562
Cattle.....	38,939	47,973	106,445	120,992	98,854
Other.....	225,169	228,260	148,796	223,287	231,708
Dairy products.....	348,869	393,453	413,532	430,986	490,406
Butter and anhydrous milkfat.....	58,911	76,226	66,221	40,151	17,674
Cheese and curd.....	33,940	35,627	27,308	26,216	31,862
Milk, condensed, or evaporated.....	2,235	3,673	5,142	5,677	2,161
Milk, nonfat dry.....	148,203	186,558	183,997	220,962	220,811
Other.....	105,580	91,369	130,864	137,980	217,897
Fats, oils and greases.....	593,189	703,164	607,907	476,518	416,785
Lard and other rendered pig fat.....	22,137	24,443	28,507	25,480	22,462
Tallow, inedible.....	519,021	625,225	531,787	411,591	355,333
Other.....	52,031	53,496	47,613	39,447	38,991
Meats and meat preparations.....	925,680	929,414	905,628	1,012,383	1,299,643
Beef and veal, except offals.....	404,867	447,245	477,522	539,055	734,079
Pork, except offals.....	172,936	137,793	73,106	80,757	104,852
Offals, edible, variety meats.....	266,707	272,685	293,986	326,178	355,026
Other.....	81,170	71,691	61,014	66,393	105,686
Poultry and poultry products.....	451,086	412,833	392,750	455,308	594,334
Poultry, live:					
Breeding chicks.....	46,351	42,817	43,610	44,052	56,390
Baby chicks, excluding breeding.....	7,620	6,600	5,280	3,868	5,832
Other.....	5,426	4,245	3,866	4,840	10,339
Poultry meat; fresh, frozen:					
Chickens.....	223,744	218,261	209,942	239,795	361,409
Turkeys.....	30,396	18,375	16,066	14,013	15,504
Other.....	11,380	15,859	14,084	15,264	15,854
Eggs.....	72,380	50,567	56,347	75,275	79,883
Other.....	53,789	56,109	43,555	58,201	49,124
Hides and skins, including furskins.....	997,499	1,317,789	1,324,624	1,440,245	1,665,557
Cattle hides, whole.....	709,462	1,009,607	1,018,939	1,131,451	1,253,837
Furskins.....	215,297	206,021	209,210	194,837	282,141
Other.....	72,740	102,161	96,475	113,957	129,591
Other animal products.....	167,569	185,496	175,796	193,623	215,891
Hair, animal, excluding wool or fine hair.....	2,458	2,897	2,301	3,876	3,372
Sausage casings.....	19,669	18,049	14,532	17,824	22,559
Wool, unmanufactured, including fine hair.....	36,971	43,245	45,297	45,134	55,330
Other.....	108,471	121,305	113,666	126,789	134,630
Vegetable products <sup>3</sup> .....	31,021,456	33,808,438	27,125,320	21,953,545	22,846,054
Cotton, unmanufactured.....	1,702,967	2,405,110	1,966,828	691,863	1,429,361
Cotton, raw.....	1,682,924	2,394,592	1,945,039	677,570	1,419,322
Linters.....	20,043	10,518	21,789	14,293	10,039
Fruits and preparations.....	1,374,324	1,270,198	1,200,127	1,237,000	1,465,973
Canned.....	97,433	72,933	60,849	60,988	64,948
Dried.....	180,510	161,639	164,146	192,513	230,985
Fresh.....	836,755	781,452	744,650	803,408	935,639
Fruit juices.....	222,138	223,245	199,590	148,394	185,163
Other.....	37,488	30,929	30,892	31,698	49,237
Nuts and preparations.....	507,525	547,509	686,348	677,484	768,596
Grains and feeds.....	15,049,941	17,303,849	13,285,386	9,472,202	9,059,043
Feed grains and products.....	6,581,599	8,216,510	6,883,882	3,817,267	3,752,428
Feed grains.....	6,495,507	8,128,621	6,791,576	3,743,512	3,685,894
Barley.....	113,949	273,551	145,960	62,891	243,634
Corn.....	5,716,519	7,022,853	5,787,517	3,291,341	3,047,778
Grain sorghum.....	661,300	829,235	856,385	385,733	391,349
Oats.....	1,189	2,117	966	2,799	1,769
Rye.....	2,551	866	748	749	1,364
Other.....	86,092	87,889	92,306	73,755	66,534
Rice.....	874,340	896,908	677,108	647,507	550,536
Wheat and products.....	6,223,092	6,783,167	4,525,900	3,546,840	3,115,750
Wheat.....	5,910,026	6,497,140	4,263,694	3,259,669	2,877,010
Wheat flour.....	256,054	233,904	163,832	203,444	206,720
Other wheat products.....	57,012	52,123	98,374	83,727	32,020
Blended food products.....	42,081	61,762	68,520	56,966	38,118
Other.....	135,846	129,578	126,192	117,179	147,196
Feeds and fodders, excluding oilcake and meal.....	1,192,983	1,215,925	1,003,783	1,286,443	1,455,015
Corn byproducts.....	629,678	665,907	530,957	729,434	783,104
Alfalfa meal and cubes.....	86,615	78,338	63,290	84,392	87,546
Other.....	476,690	471,675	409,536	472,618	584,364

See footnotes at end of table.

**Table 696.—Foreign trade in agricultural products: Value of exports by principal groups, United States, fiscal years 1983-87<sup>1</sup>—Continued**

Product	1983	1984	1985	1986	1987 <sup>2</sup>
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
<b>Vegetable products—Continued</b>					
Oilseeds and products.....	8,720,904	8,601,901	6,194,548	6,271,300	6,293,254
Oilseed cake and meal.....	1,486,258	1,216,947	852,939	1,131,873	1,346,948
Soybean oilseed cake and meal.....	1,448,978	1,181,324	833,033	1,113,189	1,324,668
Other.....	37,280	35,623	19,905	18,684	22,280
Oilseeds.....	6,332,284	6,254,214	4,323,891	4,393,905	4,408,070
Soybeans.....	5,865,752	5,734,244	3,875,897	4,173,624	4,190,839
Other.....	397,246	454,353	397,762	166,036	153,905
Protein substances.....	69,286	65,618	50,232	54,245	63,327
Vegetable oils and waxes.....	902,362	1,130,740	1,017,718	745,522	538,236
Soybean oil.....	461,677	632,531	558,195	291,755	222,947
Other.....	440,685	498,209	459,523	453,767	315,289
Tobacco, unmanufactured.....	1,487,156	1,432,724	1,587,905	1,317,510	1,203,634
Flue-cured.....	1,012,796	989,437	1,057,741	813,001	747,550
Other.....	474,360	443,287	530,164	504,509	455,884
Vegetable and preparations.....	989,540	998,539	945,832	996,752	1,174,167
Canned.....	117,381	106,901	94,871	100,665	107,684
Pulses.....	187,432	173,197	192,220	200,075	266,229
Fresh.....	275,939	296,814	231,694	226,791	252,183
Hops, including extract.....	62,419	60,851	52,609	51,781	54,737
Other.....	346,369	360,674	374,438	417,440	493,173
Essential oils.....	87,992	95,585	104,877	104,924	110,784
Seeds, except oilseeds.....	332,978	325,874	325,273	366,512	370,992
Other vegetable products.....	768,029	827,149	801,197	819,998	970,250

<sup>1</sup> Fiscal years, Oct. 1-Sept. 30.

<sup>2</sup> Preliminary.

<sup>3</sup> Totals may not add due to rounding.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 697.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 1983-87<sup>1</sup>**

Product	1983	1984	1985	1986	1987 <sup>2</sup>
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
All commodities.....	246,899,600	316,652,347	333,602,900	363,729,900	388,024,300
Nonagricultural commodities.....	230,526,227	297,736,581	313,863,288	342,854,830	367,381,413
Agricultural commodities.....	16,373,373	18,915,766	19,739,612	20,875,070	20,642,887
Competitive <sup>3</sup> .....	10,908,802	12,239,505	12,959,006	13,072,370	13,861,241
Animals and animal products.....	3,865,767	3,918,803	4,152,796	4,282,605	5,049,480
Animals, live, excluding poultry.....	555,044	595,879	568,589	636,995	609,666
Cattle, dutiable.....	329,716	286,966	238,777	386,021	457,199
Meats and meat products.....	2,091,759	1,931,290	2,213,862	2,248,336	2,796,859
Meats, P.L. 88-482.....	1,190,679	962,699	1,097,233	1,084,865	1,365,030
Meats, fresh, frozen.....	1,421,615	1,273,055	1,529,989	1,573,403	2,014,909
Beef and veal.....	1,188,588	961,080	1,096,090	1,082,304	1,361,139
Pork.....	219,318	292,120	388,918	425,380	595,922
Mutton, goat, and lamb.....	23,053	12,791	22,392	36,307	30,893
Meats, prepared, preserved.....	637,400	632,612	675,194	663,806	767,243
Beef and veal.....	198,843	204,314	198,720	169,988	213,612
Pork.....	418,280	411,030	457,602	474,144	529,291
Mutton, goat, and lamb.....	458	506	645	506	913
Poultry and products.....	90,606	121,712	92,582	101,082	112,194
Dairy products.....	709,482	757,363	763,435	786,092	848,774
Nonfat dry milk.....	885	793	1,112	798	954
Cheese.....	393,868	388,665	364,097	385,657	396,771
Casein and mixtures.....	198,071	189,256	212,777	197,322	230,214
Fats, oils and greases.....	6,773	13,074	17,760	16,862	17,876
Hides and skins.....	190,961	216,411	239,846	200,115	303,903
Sheep and lamb skins.....	35,247	28,247	30,438	27,120	36,470
Furskins.....	128,143	149,732	165,985	133,972	231,080
Wool, unmanufactured excluding free.....	94,926	146,391	109,911	123,315	152,668
Sausage casings.....	49,074	48,458	49,545	50,820	58,896
Other animal products.....	77,142	88,224	97,266	118,988	148,648
Vegetable products.....	7,043,035	8,320,702	8,806,210	8,789,765	8,811,761
Grains and feeds.....	447,801	533,693	603,747	668,480	727,409
Wheat, excluding seed, edible.....	11,579	13,013	29,507	25,142	35,298
Barley.....	20,763	16,436	16,893	17,765	13,154
Biscuits, wafers.....	127,136	156,123	192,777	244,315	271,340
Feeds and fodders.....	112,188	135,231	111,856	113,850	118,287

See footnotes on page 512.

Table 697.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 1983–1987<sup>1</sup>—Continued

Product	1983	1984	1985	1986	1987 <sup>2</sup>
Competitive <sup>3</sup> —Continued	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
Vegetable products—Continued	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>
Fruits and preparations.....	1,042,000	1,320,111	1,791,435	1,551,739	1,708,525
Fresh or frozen.....	306,611	357,405	450,828	507,570	626,008
Strawberries.....	20,251	22,111	23,604	24,728	43,589
Prepared or preserved.....	256,326	292,205	345,113	346,581	354,742
Pineapples.....	181,549	121,797	148,834	162,552	150,085
Fruit juices.....	479,064	670,501	995,494	697,587	727,775
Nuts and preparations.....	238,365	318,977	342,421	381,552	380,107
Vegetables and preparations.....	1,137,898	1,314,043	1,346,846	1,559,528	1,508,511
Fresh or frozen.....	545,386	580,686	644,041	799,357	691,096
Tomatoes.....	225,092	174,687	168,567	323,766	175,384
Prepared or preserved.....	592,511	733,357	702,806	760,171	817,415
Olives.....	80,667	86,955	82,282	100,962	109,950
Mushrooms, canned.....	105,786	155,150	125,806	120,925	136,953
Hops and extract.....	33,844	37,280	37,622	49,498	35,089
Sugar and related products.....	1,228,759	1,463,703	1,280,020	1,002,217	761,878
Sugar, cane, and beet.....	973,652	1,144,338	911,942	654,243	497,381
Molasses, inedible.....	68,562	94,543	91,637	83,797	72,223
Confectionery products.....	91,416	108,105	145,187	104,413	70,989
Spices.....	22,236	23,895	27,331	28,027	27,861
Tobacco, unmanufactured.....	733,584	562,905	555,528	605,573	634,001
Tobacco, filler.....	311,752	488,075	498,999	554,528	586,515
Tobacco, scrap.....	37,168	42,631	32,790	29,102	25,176
Beverages, excluding fruit juices.....	1,345,559	1,546,966	1,622,200	1,847,873	1,922,654
Wine.....	817,496	932,141	948,344	1,018,340	952,805
Malt beverages.....	499,133	578,166	601,540	763,363	855,350
Oilseeds and products.....	492,967	799,019	784,345	638,910	579,310
Oilseeds and oilnuts.....	79,681	94,859	97,982	69,055	56,341
Flaxseed.....	15,709	32,441	32,779	12,590	8,621
Sesame seed.....	37,881	32,374	32,423	26,102	26,401
Oils and waxes—vegetables.....	399,144	683,151	669,766	555,204	492,993
Castor oil.....	25,134	47,021	31,759	18,569	26,723
Coconut oil.....	171,792	337,259	301,846	211,941	153,894
Olive oil.....	47,216	53,732	53,001	71,167	101,067
Palm oil.....	52,950	96,688	105,849	106,356	56,280
Palm kernel oil.....	56,470	79,498	103,252	70,079	58,665
Cotton, excluding linters.....	4,387	5,394	6,262	7,991	700
Cotton linters.....	2,929	11,992	10,606	6,016	6,357
Seeds, field and garden.....	90,596	96,542	90,863	111,204	155,551
Nursery stock.....	227,649	291,920	317,821	352,876	369,495
Other vegetable products.....	28,305	31,540	26,786	27,779	29,404
Noncompetitive <sup>3</sup> .....	5,464,571	6,676,260	6,780,606	7,802,700	6,781,646
Bananas, fresh.....	554,127	626,745	713,351	699,835	770,457
Plantains, fresh.....	21,787	24,759	24,903	24,715	28,568
Coffee, green.....	2,652,468	3,091,468	3,047,973	4,151,135	3,026,242
Coffee, roasted.....	34,083	48,738	46,938	62,794	48,920
Coffee, soluble, extracts.....	145,507	160,219	148,791	186,080	157,214
Cocoa beans.....	378,711	375,655	532,605	446,777	412,377
Cocoa butter.....	185,490	238,811	308,039	319,125	334,002
Cocoa, cake, powder, etc.....	65,551	143,687	120,740	105,112	125,848
Chocolate preparations.....	195,488	298,187	323,297	315,199	214,654
Tea, crude or prepared.....	127,836	188,941	183,589	136,214	114,119
Spices.....	172,834	205,533	242,690	345,343	404,570
Pepper, unground, black.....	29,683	44,363	71,429	149,342	144,233
Vanilla beans.....	46,489	53,530	48,943	64,161	72,265
Other.....	96,662	107,640	122,318	131,840	188,072
Rubber, crude, natural:					
Rubber-latex.....	65,335	81,901	62,948	69,584	84,493
Rubber-dry form.....	510,355	765,441	607,472	535,569	612,120
Silk, raw.....	7,775	8,598	7,376	5,885	7,409
Wool, unmanufactured, duty-free.....	29,037	47,033	35,326	37,141	44,760
Fibers, excluding cotton, jute.....	26,904	28,021	28,438	23,870	22,790
Essential oils.....	93,423	107,428	102,513	112,086	115,256
Drugs, crude natural.....	163,783	196,592	203,589	182,524	204,035
Other.....	34,077	38,503	39,728	43,712	53,812

See footnotes on page 512.



Table 698.—Agricultural exports: Value of U.S. exports to the European Community, by commodity, fiscal years 1985/86 and 1986/87 <sup>1</sup>

Commodity	Value		Commodity	Value	
	1985/86	1986/87 <sup>2</sup>		1985/86	1986/87 <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
Total agricultural exports .....	6,430,773	6,772,617	Variety meats, edible offals.....	103,189	115,694
Variable-levy commodities.....	671,520	454,460	Feathers and downs, crude.....	19,702	6,779
Beef and veal .....	6,674	27,326	Tallow—inedible.....	78,090	47,237
Pork.....	2,912	3,665	Other animal fats and oils.....	5,450	7,905
Other meats—fresh or prepared.....	752	1,154	Hides and skins, incl. furs.....	209,968	223,306
Poultry—live.....	8,154	8,150	Cattle hides, whole.....	91,956	74,143
Baby chicks.....	8,135	8,079	Furskins.....	84,598	104,807
Poultry meats.....	11,184	10,367	Wool and mohair.....	37,608	45,665
Chickens—fresh or frozen.....	7,161	5,881	Sausage casings.....	4,849	6,431
Turkeys—fresh or frozen.....	1,181	1,576	Bull semen.....	11,448	14,940
Other poultry—fresh or frozen.....	2,384	2,703	Misc. animal products—		
Poultry meats—prepared or preserved.....	458	207	other.....	37,098	35,010
Eggs.....	6,650	5,484	Corn by-products.....	684,444	732,394
Dairy products.....	14,428	6,111	Alfalfa meal and cubes.....	7,733	10,452
Lard.....	512	2	Beet pulp.....	16,324	34,771
Wheat, unmilled.....	173,152	100,822	Citrus pulp pellets.....	54,089	56,409
Wheat, flour.....	262	205	Other feeds and fodders.....	153,173	179,290
Other wheat products.....	488	1,075	Fruits and prep, excluding		
Rice-paddy, milled.....	64,841	73,443	juice.....	160,824	233,166
Feed grains and products.....	343,016	173,472	Fruits, fresh.....	70,768	107,164
Feed grains.....	331,745	163,864	Fruits, fresh, citrus.....	39,913	61,098
Barley.....	0	13	Grapefruit, fresh.....	34,255	47,672
Corn.....	328,365	160,658	Lemons and limes, fresh.....	932	2,025
Grain sorghums.....	3,341	2,838	Oranges and tangerines, fresh.....	4,564	11,020
Oats.....	15	0	Other citrus, fresh.....	162	382
Rye.....	24	356	Fruits, fresh, noncitrus.....	30,854	46,065
Blended food products.....	198	173	Apples, fresh.....	7,283	6,309
Other grain products.....	5,813	7,497	Grapes, fresh.....	3,541	8,501
Sugar.....	1,107	634	Other noncitrus, fresh.....	20,030	31,255
Related sugar products.....	26,041	29,478	Fruits, dried.....	77,442	102,128
Chocolate and prep.....	2,019	716	Raisins, dried.....	38,459	54,831
Nonvariable-levy commodities.....	5,759,254	6,318,158	Prunes, dried.....	33,662	40,523
Animals live—excluding poultry.....	158,795	157,716	Other dried fruits.....	5,321	6,774
Horses, mules, burros—live.....	158,194	156,329	Fruits—canned excl. juice.....	4,058	6,871
Horsemeat—fr. chill, froz.....	37,784	64,774	Fruits—froz. excl. juice.....	2,089	4,896
			Other fruits—prep. or pres.....	6,468	12,106

See footnotes at end of table.

**Table 698.—Agricultural exports: Value of U.S. exports to the European Community, by commodity, fiscal years 1985/86 and 1986/87 <sup>1</sup>—Continued**

Commodity	Value		Commodity	Value	
	1985/86	1986/87 <sup>2</sup>		1985/86	1986/87 <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
Nonvariable levy commodities—Continued			Sunflowerseeds.....	23,047	23,807
Fruit juices incl. frozen.....	16,035	24,146	Peanuts and oilstock.....	27,042	35,673
Orange juice.....	11,176	17,157	Other oilseeds.....	1,517	7,001
Other fruit juices.....	4,860	6,989	Protein substances.....	16,341	17,537
Wine.....	8,099	14,391	Vegetable oils.....	72,147	51,306
Nuts and preparations.....	357,327	391,669	Soybean oil.....	235	1,072
Almonds (shelled basis).....	190,921	207,366	Cottonseed oil.....	7,262	2,541
Peanuts, shelled or preparations.....	112,164	105,709	Sunflower oil.....	993	276
Walnuts, shelled/unshelled.....	44,617	68,166	Other vegetable oils and waxes.....	63,657	47,416
Vegetables and preparations.....	135,322	172,635	Tobacco—unmfg.....	549,177	481,318
Vegetables—fresh.....	6,422	8,768	Cotton, excl. linters.....	122,788	256,307
Vegetables—frozen.....	3,289	3,203	Cotton linters.....	6,292	3,551
Vegetables—canned.....	24,395	22,885	Essential oils.....	49,857	46,809
Pulses.....	64,539	90,869	Seeds—field and garden.....	139,584	137,359
Dried beans.....	49,383	75,823	Coffee.....	2,166	3,871
Dried peas.....	4,966	5,224	Cocoa.....	3	143
Dried lentils.....	10,190	9,822	Tea and mate.....	778	720
Hops, including hop extract.....	3,615	5,761	Spices.....	3,961	4,283
Other veg.—prep. or pres.....	33,062	41,149	Flavoring sirups and extract.....	25,236	28,635
Oilseeds and products.....	2,505,958	2,710,942	Rubber—crude natural.....	2,809	6,457
Oilcake and meal.....	542,424	637,360	Fibers excl. cotton.....	122	60
Soybean meal.....	527,906	622,486	Nursery and greenhouse products.....	21,124	26,863
Other oilcake and meal.....	14,517	14,874	Beverages excl. juices.....	2,529	3,025
Oilseeds.....	1,891,387	2,022,276	Other miscellaneous vegetable products.....	29,517	33,033
Soybeans.....	1,823,441	1,938,258			

<sup>1</sup> Fiscal years Oct. 1–Sept. 30.

<sup>2</sup> Preliminary.

Economic Research Service.

FOOTNOTES FOR TABLE 697

<sup>1</sup> Fiscal years, Oct. 1–Sept. 30.

<sup>2</sup> Preliminary.

<sup>3</sup> Competitive agricultural import products consists of all products similar to agricultural commodities produced commercially in the United States, together with all other agricultural products interchangeable to any significant extent with such U.S. commodities. Noncompetitive agricultural products include all others, about 90 percent of which consist of rubber, coffee, raw silk, cacao beans, wool for carpets, bananas, tea, spices, and vegetable fibers.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 699.—U.S. agricultural exports: Value by country of destination, total and specified Government programs, fiscal years 1985-87 <sup>1</sup>

Country	1985			1986			1987		
	Total agricultural exports	Under specified Government financed programs <sup>2</sup>	Outside specified Government financed programs <sup>3</sup>	Total agricultural exports	Under specified Government financed programs <sup>2</sup>	Outside specified Government financed programs <sup>3</sup>	Total agricultural exports	Under specified Government financed programs <sup>2</sup>	Outside specified Government financed programs <sup>3</sup>
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Japan	5,663.0	0	5,663.0	5,139.1	0	5,139.1	5,553.4	0	5,553.4
Netherlands	1,925.9	0	1,925.9	2,042.2	0	2,042.2	1,949.9	0	1,949.9
Canada	1,727.4	0	1,727.4	1,466.2	0	1,466.2	1,775.9	0	1,775.9
Korea, Rep. of	1,399.7	0	1,399.7	1,276.9	0	1,276.9	1,692.8	0	1,692.8
Taiwan	1,341.3	0	1,341.3	1,108.9	0	1,108.9	1,353.7	0	1,353.7
Germany, Fed. Rep. of	899.8	0	899.8	1,001.3	0	1,001.3	1,266.2	0	1,266.2
Mexico	1,566.4	57.5	1,508.9	1,113.6	37.1	1,076.5	1,214.7	26.0	1,188.7
Egypt	766.2	300.8	465.4	874.5	269.1	605.4	761.3	223.5	537.8
Italy	676.5	0	676.5	683.3	0	683.3	793.2	0	793.2
United Kingdom	628.3	0	628.3	628.1	0	628.1	662.4	0	662.4
USSR	2,524.8	0	2,524.8	1,105.4	0	1,105.4	659.1	0	659.1
Spain, incl. Canary Is	831.8	0	831.8	723.3	0	723.3	654.1	0	654.1
Iraq	371.5	0	371.5	335.2	0	335.2	523.5	0	523.5
France	395.5	0	395.5	430.7	0	430.7	494.2	0	494.2
Saudi Arabia	381.1	0	381.1	335.1	0	335.1	489.1	0	489.1
Venezuela	721.5	0	721.5	493.2	0	493.2	459.4	0	459.4
Hong Kong	396.2	0	396.2	399.8	0	399.8	435.8	0	435.8
Belgium-Luxembourg	470.5	0	470.5	361.1	0	361.1	423.3	0	423.3
Brazil	557.3	12.3	545.0	444.9	15.6	429.3	417.8	9.5	408.3
Portugal	502.1	0	502.1	307.5	2.0	305.5	267.7	.1	267.6
Philippines	284.9	15.2	269.7	269.1	23.9	245.2	259.1	30.8	228.3
Algeria	220.1	.2	219.9	329.2	0	329.2	243.9	0	243.9
Israel	300.1	0	300.1	255.2	0	255.2	243.6	0	243.6
China	238.8	0	238.8	83.2	0	83.2	234.8	0	234.8
Dominican Rep.	167.8	21.3	146.5	169.8	10.7	159.1	196.5	44.7	151.8
Morocco	156.3	49.8	106.5	158.7	32.8	125.9	196.3	51.8	144.5
Indonesia	204.3	43.6	160.7	172.2	6.3	165.9	152.5	32.6	119.9
Switzerland	231.6	0	231.6	128.3	0	128.3	144.6	0	144.6
Peru	106.3	18.7	87.6	108.3	20.0	88.3	140.0	26.1	113.9
Ireland	121.4	0	121.4	87.8	0	87.8	130.8	0	130.8
Yugoslavia	136.5	0	136.5	134.4	0	134.4	130.7	0	130.7
Singapore	119.4	0	119.4	115.5	0	115.5	120.9	0	120.9
Bahamas	87.5	0	87.5	106.2	0	106.2	120.2	0	120.2
Australia	131.9	0	131.9	137.4	0	137.4	120.1	0	120.1
Turkey	128.6	0	128.6	111.3	0	111.3	116.8	0	116.8
Romania	88.2	0	88.2	111.6	0	111.6	115.0	0	115.0
Colombia	238.0	0	238.0	137.2	0	137.2	114.9	0	114.9
Sweden	102.5	0	102.5	110.6	0	110.6	114.9	0	114.9
Bangladesh	205.4	134.9	70.5	94.1	76.5	17.6	111.1	82.9	28.2
Denmark	110.9	0	110.9	100.9	0	100.9	110.6	0	110.6
Jamaica	121.0	26.5	94.5	101.5	29.5	72.0	109.1	32.1	77.0
Thailand	133.8	0	133.8	82.0	0	82.0	107.3	.5	106.8
Haiti	67.7	14.4	53.3	70.6	21.7	48.9	100.4	21.6	78.8
Guatemala	87.0	19.6	67.4	73.7	11.4	62.3	98.2	36.6	61.6
Pakistan	227.9	88.8	139.1	285.3	102.9	182.4	98.2	55.7	42.5
India	129.4	59.6	69.8	90.4	70.9	19.5	93.0	58.9	34.1
Norway	80.1	0	80.1	89.2	0	89.2	90.8	0	90.8
El Salvador	85.3	43.7	41.6	88.3	41.1	47.2	84.8	35.6	49.2
Panama	83.5	.1	83.4	83.9	.1	83.8	79.5	0	79.5
Greece	105.0	0	105.0	66.3	0	66.3	78.8	0	78.8
Other countries	2,952.3	660.1	2,292.2	2,086.4	457.2	1,629.2	2,014.3	367.9	1,646.4
Total	31,200.8	1,567.1	29,633.7	26,308.9	1,228.8	25,080.1	27,859.2	1,136.9	26,722.3

<sup>1</sup> Fiscal years, Oct. 1-Sept. 30.<sup>2</sup> Includes Title I long-term credit sales for dollars and convertible foreign currencies and Title II donations for disaster relief and development through government-to-government, World Food Program, and voluntary relief agencies, under P.L. 83-480 (the Agricultural Trade Development and Assistance Act of 1954, as amended), and other legislation. Also includes shipments under the Foreign Assistance Act of 1961, as amended and beginning 1984, section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Act of 1984.<sup>3</sup> "Agricultural exports outside specified Government-financed programs" (sales for dollars) include in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of the extension of credit and credit guarantees for relatively short periods through the Commodity Credit Corporation.

Economic Research Service.

**Table 700.—Agricultural imports for consumption: Value by country of origin, United States, fiscal years 1985–87<sup>1</sup>**

Country	1985			1986			1987		
	Total	Noncom- petitive <sup>2</sup>	Competi- tive <sup>2</sup>	Total	Noncom- petitive <sup>2</sup>	Competi- tive <sup>2</sup>	Total	Noncom- petitive <sup>2</sup>	Competi- tive <sup>2</sup>
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Canada	1,907.9	77.8	1,830.1	1,971.3	119.4	1,851.9	2,165.8	148.6	2,017.2
Mexico	1,289.8	370.5	919.3	1,981.5	667.5	1,314.0	1,904.6	496.9	1,407.7
Brazil	2,421.0	1,158.1	1,262.9	1,864.1	970.9	893.2	1,770.2	919.9	850.3
Australia	764.4	5.0	759.4	759.4	6.0	753.4	1,017.7	5.2	1,012.5
Colombia	737.5	562.3	175.2	911.0	730.9	180.1	843.4	654.4	189.0
New Zealand	625.7	25.8	599.9	596.5	29.3	567.2	724.7	32.8	691.9
France	644.1	47.6	596.5	755.3	56.1	699.2	702.9	47.2	655.7
Indonesia	722.8	657.9	64.9	647.4	615.0	32.4	697.1	662.8	34.3
Netherlands	604.5	103.4	501.1	677.8	107.0	570.8	687.0	94.8	592.2
Denmark	584.6	39.8	544.8	596.8	34.5	562.3	678.2	35.3	642.9
Germany, Fed. Rep. of	581.8	124.4	457.4	633.4	159.3	474.1	626.0	171.4	454.6
Italy	533.2	22.5	510.7	538.6	23.5	515.1	596.4	11.2	585.2
Ecuador	503.3	486.3	17.0	561.6	548.8	12.8	432.1	426.9	5.2
Guatemala	334.3	227.0	104.3	483.3	391.7	91.6	417.7	330.6	87.1
Philippines	526.3	78.9	447.4	525.5	93.1	432.4	398.8	40.8	358.0
Costa Rica	293.2	199.9	93.3	339.7	226.7	113.0	369.0	256.8	112.2
Spain, incl. Canary Is. <sup>3</sup>	297.8	14.8	283.0	327.0	20.0	307.0	346.1	20.7	325.4
Honduras	265.5	205.4	60.1	290.1	241.3	48.8	337.9	292.1	45.8
Dominican Republic	400.6	149.7	250.9	348.7	165.4	183.3	326.9	148.0	178.9
Argentina	293.6	27.9	265.7	276.6	23.6	253.0	314.3	23.5	290.8
India	257.2	125.4	131.8	359.6	198.5	161.1	311.6	132.7	178.9
Thailand	218.7	69.3	149.4	263.4	87.8	175.6	308.0	126.1	181.9
Malaysia	382.5	181.1	201.4	339.7	186.8	152.9	299.7	197.6	102.1
Ivory Coast	480.4	476.2	4.2	401.8	396.3	5.5	295.0	291.0	4.0
Chile	207.9	9	207.0	223.0	2.2	220.8	283.1	9	282.2
Turkey	208.1	7.3	200.8	214.4	9.8	204.6	244.3	15.4	228.9
China	186.4	64.2	122.2	191.4	54.0	137.4	239.9	58.1	181.8
Japan	202.5	17.1	185.4	199.4	22.3	177.1	224.1	27.8	196.3
Taiwan	194.7	13.5	181.2	193.4	8.6	184.8	206.3	9.9	196.4
United Kingdom	197.7	64.3	133.4	204.8	51.0	153.8	195.2	34.6	160.6
El Salvador	249.1	212.7	36.4	339.1	321.6	17.5	160.1	140.1	20.0
Poland	103.7	2	103.5	120.9	1.0	119.9	145.8	9	144.9
Peru	146.8	100.3	46.5	169.5	139.5	30.0	137.3	108.1	29.2
Ireland	109.9	11.3	98.6	144.4	15.4	129.0	117.6	12.4	105.2
Panama	138.3	110.0	28.3	137.0	111.1	25.9	116.4	94.6	21.8
Belgium/Luxembourg	70.0	23.7	46.3	96.9	25.1	71.8	107.8	26.8	81.0
Finland	106.3	7.1	99.2	91.4	10.6	80.8	120.0	9.5	110.5
Switzerland	102.6	31.0	71.6	110.4	35.0	75.4	101.0	21.4	79.6
Greece	77.2	2.6	74.6	86.9	4.3	82.6	91.0	4.3	86.7
Hong Kong	60.4	7.4	53.0	77.6	9.8	67.8	79.2	9.6	69.6
Uganda	100.3	100.3	0	144.9	144.8	1	77.0	76.7	3
Kenya	62.6	57.7	4.9	103.9	100.2	3.7	74.7	70.6	4.1
Korea, Rep. of	56.3	3.4	52.9	78.3	4.4	73.9	74.4	5.2	69.2
Sweden	89.1	4.7	84.4	87.5	8.2	79.3	73.0	7.1	65.9
Yugoslavia	59.5	2.7	56.8	61.8	3.3	58.5	71.5	4.0	67.5
Ethiopia	51.0	44.1	6.9	67.5	61.2	6.3	71.4	59.0	12.4
Hungary	54.9	2	54.7	55.4	4	55.0	70.3	3	70.0
Singapore	81.5	50.8	30.7	83.6	59.4	24.2	67.6	52.1	15.5
Israel	63.4	6.5	56.9	73.0	4.8	68.2	66.8	5.7	61.1
Austria	50.5	3.7	46.8	47.3	3.0	44.3	61.7	1.0	60.7
Other countries	1,041.2	395.9	645.3	1,021.3	492.3	529.0	794.3	358.2	436.1
Total <sup>4</sup>	19,739.6	6,780.6	12,959.0	20,875.1	7,802.7	13,072.4	20,642.9	6,781.6	13,861.3

<sup>1</sup> Fiscal years Oct. 1–Sept. 30.<sup>2</sup> Competitive agricultural import products consist of all products similar to agricultural commodities produced commercially in the United States, together with all agricultural products interchangeable to any significant extent with such U.S. commodities. Noncompetitive agricultural products include all others, about 90 percent of which consist of rubber, coffee, raw silk, cacao beans, wool for carpets, bananas, tea, spices, and vegetable fibers.<sup>3</sup> Beginning January 1, 1984 includes Canary Islands.<sup>4</sup> Totals may not add due to rounding.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

**Table 701.—European Community: Value of agricultural imports by origin, 1973–87<sup>1</sup>**

Year <sup>2</sup>	United States	EC countries	Other countries	Total
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1973.....	4,872	17,333	20,177	42,382
1974.....	5,799	21,119	21,891	48,809
1975.....	6,162	24,429	21,527	52,118
1976.....	6,689	25,885	24,454	57,028
1977.....	7,427	29,317	30,278	67,022
1978 <sup>3</sup> .....	8,309	37,809	31,896	77,294
1979.....	9,376	44,218	37,633	91,227
1980.....	10,622	48,270	38,280	97,172
1981.....	9,784	44,197	32,775	86,756
1982.....	8,878	44,679	31,275	84,832
1983.....	7,830	43,557	30,244	81,631
1984.....	6,787	42,953	32,250	81,990
1985.....	5,577	46,018	32,749	84,344
1986 <sup>4</sup> .....	7,013	64,302	35,630	106,945
1987.....	7,909	76,421	37,732	121,978

<sup>1</sup> Based on data from the United Nations, Organization for Economic Cooperation and Development, and the European Community.

<sup>2</sup> Data on calendar year basis.

<sup>3</sup> Includes Greece.

<sup>4</sup> Included Portugal and Spain, 1986–87.

Economic Research Service.

**Table 702.—Food Acquisition: Expenditures for food items by selected Federal Government Agencies,<sup>1</sup> fiscal years 1986–87**

Agency	Total expenditures		Agency	Total expenditures	
	1986	1987		1986	1987
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
Department of Defense:			Department of Agriculture:		
Contractual obligations.....	1,760,000	1,600,000	Commodity Credit Corporation, Dairy price support.....	2,036,035	955,969
Indefinite delivery type contracts (estimate).....	350,344	749,400	Other purchases.....	476,014	218,589
Miscellaneous total (estimate).....	100,000	100,000	Total.....	2,512,049	1,174,558
Total DOD.....	2,210,344	2,449,400	Public Law 480 (Food for Peace).....	402,500	282,565
Veterans Administration:			Agricultural Marketing Service.....	489,100	439,900
Central procurement.....	52,553	44,372	Total USDA.....	3,403,649	1,897,023
Local procurement.....	53,580	49,991	Total.....	5,720,126	2,619,488
Total VA.....	106,133	94,363			

<sup>1</sup> These comprise the major Federal expenditures for these purposes. A complete accounting is not available. Agricultural Marketing Service.

Table 703.—Fisheries: Quantity and value of domestic catch, 1973-87

(1978-87 are preliminary)

Year	Quantity <sup>1</sup>			Ex-vessel value	Average price per lb.	Year	Quantity <sup>1</sup>			Ex-vessel value	Average price per lb.
	Total	For human food	For industrial products <sup>2</sup>				Total	For human food	For industrial products <sup>2</sup>		
	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Cents</i>		<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Cents</i>
1973 .....	4,858	2,398	2,460	937	19.3	1981 .....	5,977	3,547	2,430	2,388	40.0
1974 .....	4,967	2,496	2,471	932	18.7	1982 .....	6,367	3,285	3,082	2,390	37.5
1975 .....	4,877	2,465	2,412	977	20.0	1983 .....	6,439	3,238	3,201	2,355	36.6
1976 .....	5,388	2,775	2,613	1,349	25.0	1984 .....	6,438	3,320	3,118	2,350	36.5
1977 .....	5,271	2,952	2,319	1,554	29.5	1985 .....	6,258	3,294	2,964	2,326	37.2
1978 .....	6,028	3,177	2,851	1,854	30.7	1986 .....	6,081	3,393	2,638	2,763	45.8
1979 .....	6,267	3,318	2,949	2,234	35.6	1987 .....	6,896	3,946	2,950	3,115	45.2
1980 .....	6,482	3,654	2,828	2,237	34.5						

<sup>1</sup> Live weight. <sup>2</sup> Meals, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.  
U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 704.—Fisheries: Disposition of domestic catch, 1977-87

(1978-87 are preliminary)

Disposition	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>
Fresh and frozen...	1,893	2,237	2,394	2,621	2,547	2,550	2,304	2,336	2,725	2,487	3,026
Canned .....	1,008	1,099	1,046	1,161	1,118	891	1,087	1,128	749	1,134	1,171
Cured .....	51	52	94	96	90	85	80	82	70	60	58
Reduced to meal, oil, etc. ....	2,319	2,640	2,733	2,604	2,222	2,841	2,968	2,892	2,714	2,350	2,641
Total .....	5,271	6,028	6,267	6,482	5,977	6,367	6,258	6,438	6,258	6,081	6,896

<sup>1</sup> Live weight catch. In addition to whole fish, a large portion of waste (400-500 mil. lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown.  
U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 705.—Fisheries—Landings and value of principal species: 1981–87 <sup>1</sup>

(Preliminary)

Species	Landings						
	1981	1982	1983	1984	1985	1986	1987
	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>	<i>Mil.</i> <i>lbs.</i>
<b>Fish:</b>							
Cod, Atlantic.....	100	104	112	97	83	61	59
Flounder.....	201	228	254	220	196	169	200
Haddock.....	55	45	33	26	14	11	7
Halibut.....	27	33	45	48	61	78	76
Herring, sea.....	247	202	180	179	199	210	123
Jack mackerel.....	31	58	40	23	21	24	27
Menhaden.....	2,105	2,766	2,963	2,891	2,739	2,391	2,712
Ocean perch, Atlantic.....	19	19	13	12	10	6	4
Pollock.....	41	35	34	64	136	185	598
Salmon, Pacific.....	648	607	639	691	727	659	562
Tuna.....	341	261	279	212	83	88	100
Whiting.....	37	36	37	46	45	40	35
<b>Shellfish:</b>							
Clams (meats).....	121	108	115	133	151	145	134
Crabs.....	446	350	317	313	338	356	386
Lobsters, American.....	37	39	44	44	46	46	46
Oysters (meats).....	50	54	50	48	44	41	40
Scallops (meats).....	46	34	32	59	30	22	41
Shrimp.....	355	284	250	302	334	400	363

  

Species	Value						
	1981	1982	1983	1984	1985	1986	1987
	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>	<i>Mil.</i> <i>dol.</i>
<b>Fish:</b>							
Cod, Atlantic.....	33	37	38	36	35	36	44
Flounder.....	86	102	116	124	129	125	145
Haddock.....	22	22	19	18	14	11	9
Halibut.....	21	29	41	25	38	83	88
Herring, sea.....	31	35	44	26	50	49	48
Jack mackerel.....	3	5	3	2	2	2	2
Menhaden.....	81	108	119	117	101	94	104
Ocean perch, Atlantic.....	5	5	3	4	3	3	3
Pollock.....	9	7	6	9	12	21	64
Salmon, Pacific.....	438	392	351	392	440	494	596
Tuna.....	206	146	143	118	53	55	96
Whiting.....	7	8	7	7	8	8	12
<b>Shellfish:</b>							
Clams (meats).....	107	97	96	116	128	135	133
Crabs.....	297	282	223	187	203	270	322
Lobsters, American.....	87	91	107	114	115	121	134
Oysters (meats).....	69	76	67	81	70	78	92
Scallops (meats).....	128	96	136	128	93	107	144
Shrimp.....	463	509	504	488	473	663	578

<sup>1</sup> Data exclude landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States, and production of artificially cultivated fish and shellfish.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 706.—Fresh and frozen fishery products—Production and value: 1981-87 <sup>1</sup>

(1987 is preliminary)

Product	Production							
	1981	1982	1983	1984	1985	1986	1987	
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	
Fish fillets and steaks <sup>2</sup> .....	205.1	217.6	230.6	252.3	245.5	279.5	276.9	
Cod.....	43.3	41.5	51.3	69.6	57.1	76.7	60.5	
Flounder.....	50.8	76.2	80.7	79.0	69.1	63.9	56.2	
Haddock.....	17.8	13.5	11.7	8.5	7.5	8.0	8.9	
Ocean perch, Atlantic.....	4.9	5.2	4.3	2.8	2.4	2.8	2.6	
Rockfish.....	16.4	17.8	17.3	18.4	18.1	17.1	15.8	
Pollock, Atlantic.....	9.1	9.0	11.3	11.3	14.5	16.2	18.7	
Pollock, Alaska.....	n.a.	n.a.	n.a.	3.9	10.8	23.6	65.1	
Other.....	62.6	54.3	53.9	62.7	76.8	71.2	49.1	
Frozen fishery products.....	220.7	243.0	186.7	188.1	205.2	192.3	154.1	

  

Product	Value							
	1981	1982	1983	1984	1985	1986	1987	
	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	
Fish fillets and steaks <sup>2</sup> .....	305.2	350.6	362.1	410.4	440.1	56.4	594.8	
Cod.....	68.6	60.0	68.3	96.6	89.9	142.0	152.2	
Flounder.....	98.0	146.5	137.6	158.9	157.2	168.9	165.3	
Haddock.....	32.9	24.7	22.0	18.6	19.0	24.9	32.0	
Ocean perch, Atlantic.....	7.0	7.3	5.7	3.2	3.3	6.4	5.9	
Rockfish.....	16.2	19.2	22.1	23.3	25.1	24.4	23.8	
Pollock, Atlantic.....	9.7	10.3	11.6	11.4	16.7	20.5	30.4	
Pollock, Alaska.....	n.a.	n.a.	n.a.	3.5	23.6	24.9	69.0	
Other.....	72.6	82.8	94.7	98.4	129.6	152.1	116.2	
Frozen fishery products.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	

<sup>1</sup> Excludes Alaska and Hawaii, except frozen products includes Alaska and Hawaii. <sup>2</sup> Fresh and frozen.  
<sup>3</sup> Included with other. n.a. not available.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 707.—Canned fishery products—Production and value: 1979-87 <sup>1</sup>

(1987 is preliminary)

Product	Production									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	
Total <sup>2</sup> .....	1,439	1,516	1,476	1,283	1,391	1,411	1,161	1,392	1,171	
Tuna.....	620	602	627	539	591	614	545	637	654	
Salmon.....	149	200	215	112	181	200	159	142	112	
Clam products <sup>3</sup> .....	73	77	88	99	102	114	117	116	122	
Jack mackerel <sup>3</sup> .....	26	38	36	39	46	31	15	17	n.a.	
Sardines, Maine.....	30	20	31	18	13	15	20	16	13	
Shrimp.....	10	16	10	6	7	7	4	5	4	
Crabs.....	5	5	2	1	1	1	1	1	( <sup>6</sup> )	
Squid.....	4	4	9	8	n.a.	n.a.	4	n.a.	n.a.	
Oysters <sup>4</sup> .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	1	1	( <sup>6</sup> )	2	3	3	

  

Product	Value									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	
	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	
Total <sup>2</sup> .....	1,743	1,928	1,954	1,457	1,534	1,578	1,360	1,495	1,511	
Tuna.....	1,104	1,144	1,180	918	859	872	821	882	1,018	
Salmon.....	258	376	380	174	308	322	228	265	221	
Clam products.....	61	66	72	85	86	95	109	118	88	
Jack mackerel <sup>3</sup> .....	8	12	12	15	17	13	7	6	n.a.	
Sardines, Maine.....	45	32	55	28	20	25	38	28	22	
Shrimp.....	54	80	60	35	41	36	19	23	23	
Crabs.....	18	19	7	6	6	5	2	2	( <sup>6</sup> )	
Squid.....	1	1	3	3	n.a.	n.a.	1	n.a.	n.a.	
Oysters <sup>4</sup> .....	1	( <sup>6</sup> )	1	2	2	5	2	4	4	

<sup>1</sup> Natural pack only. <sup>2</sup> Includes other products not shown separately. <sup>3</sup> Includes small amount of Pacific mackerel. <sup>4</sup> Includes oyster specialties. <sup>5</sup> Less than 500,000 pounds or \$500,000. n.a. not available.

U.S. Dept. of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.



Table 708.—Fisheries—Fishermen and craft, 1977, and catch, 1982-87, by area

(1982-87 are preliminary)

Area	1977 <sup>1</sup>			1982		1983	
	Fisher- men	Fishing vessels	Fishing boats <sup>2</sup>	Total catch	Value	Total catch	Value
	1,000	Number	1,000	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.
United States.....	182.1	17,545	89.2	6,367	2,390	6,439	2,355
New England States.....	31.7	929	15.4	687	374	711	435
Middle Atlantic States.....	17.3	573	11.3	129	98	128	94
Chesapeake Bay States.....	27.9	2,086	19.0	791	120	841	130
South Atlantic States.....	11.6	1,463	6.7	427	164	397	173
Gulf States.....	29.3	5,328	11.0	2,300	614	2,443	615
Pacific Coast States.....	54.0	7,643	15.4	1,872	964	1,739	846
Great Lakes States.....	1.2	217	.5	36	13	47	14
Hawaii.....	2.7	101	1.3	14	14	29	18
Other <sup>3</sup> .....	11.3	.....	9.9	109	34	103	30

  

Area	1984		1985		1986		1987	
	Total catch	Value	Total catch	Value	Total catch	Value	Total catch	Value
	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.
United States.....	6,438	2,350	6,258	2,326	6,031	2,763	6,896	3,115
New England States.....	694	434	590	419	563	449	545	512
Middle Atlantic States.....	153	109	151	101	156	114	163	128
Chesapeake Bay States.....	663	138	815	124	617	131	791	160
South Atlantic States.....	402	150	311	156	249	155	235	150
Gulf States.....	2,644	656	2,412	597	2,368	781	2,501	720
Pacific Coast States.....	1,701	795	1,816	863	1,923	1,065	2,493	1,360
Great Lakes States.....	61	14	54	15	48	14	42	17
Hawaii.....	35	29	17	22	11	20	16	29
Other <sup>3</sup> .....	85	25	92	29	96	34	110	39

<sup>1</sup> Exclusive of duplication among regions. Computation of area amounts will not equal U.S. total.<sup>2</sup> Refers to craft having capacity of less than 5 net tons.<sup>3</sup> Mississippi River and other areas.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 709.—Fishery products—Supply: 1978-87 <sup>1</sup>

(1978-87 are preliminary)

Item	1978	1979	1980	1981	1982
	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>
Total .....	11,509	11,831	11,357	11,353	12,011
For human food .....	8,135	8,251	8,006	8,267	7,968
Finfish .....	6,263	6,324	6,139	6,316	6,090
Shellfish <sup>2</sup> .....	1,872	1,927	1,867	1,951	1,878
For industrial use .....	3,374	3,580	3,351	3,086	4,043
Domestic catch .....	6,028	6,267	6,482	5,977	6,367
Percent of total .....	52.4	53.0	57.1	52.7	53.0
For human food .....	3,177	3,318	3,654	3,547	3,285
Finfish .....	2,018	2,204	2,516	2,414	2,324
Shellfish <sup>2</sup> .....	1,159	1,114	1,138	1,133	961
For industrial use .....	2,851	2,949	2,828	2,430	3,082
Imports <sup>3</sup> .....	5,481	5,564	4,875	5,376	5,644
Percent of total .....	47.6	47.0	42.9	47.8	47.0
For human food .....	4,958	4,933	4,352	4,720	4,683
Finfish .....	4,245	4,120	3,623	3,902	3,766
Shellfish <sup>2</sup> .....	713	813	729	818	917
For industrial use <sup>4</sup> .....	523	631	523	656	961

  

Item	1983	1984	1985	1986	1987
	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>
Total .....	12,352	12,552	15,150	14,368	15,744
For human food .....	8,413	8,498	9,337	9,620	10,561
Finfish .....	6,358	6,303	6,991	7,087	7,919
Shellfish <sup>2</sup> .....	2,055	2,195	2,346	2,533	2,642
For industrial use .....	3,939	4,054	5,813	4,748	5,183
Domestic catch .....	6,439	6,438	6,258	6,031	6,896
Percent of total .....	52.1	51.3	41.3	42.0	43.8
For human food .....	3,238	3,320	3,294	3,393	3,946
Finfish .....	2,351	2,348	2,273	2,240	2,769
Shellfish <sup>2</sup> .....	887	972	1,021	1,153	1,177
For industrial use .....	3,201	3,118	2,964	2,638	2,950
Imports <sup>3</sup> .....	5,913	6,114	8,892	8,337	8,848
Percent of total .....	47.9	48.7	58.7	58.0	56.2
For human food .....	5,175	5,178	6,043	6,227	6,615
Finfish .....	4,007	3,955	4,718	4,847	5,150
Shellfish <sup>2</sup> .....	1,168	1,223	1,325	1,380	1,465
For industrial use <sup>4</sup> .....	738	936	2,849	2,110	2,233

<sup>1</sup> Live weight, except percent. <sup>2</sup> For univalve and bivalves mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell is reported. <sup>3</sup> Excluding imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. <sup>4</sup> Fish meal and sea herring.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 710.—Processed fishery products—Production and value, 1980-87

Item	Production							Preliminary 1987
	1980	1981	1982	1983	1984	1985	1986	
Total <sup>1</sup> .....	Mil. lb. (2)	Mil. lb. (2)	Mil. lb. (2)	Mil. lb. (2)	Mil. lb. (2)	Mil. lb. (2)	Mil. lb. (2)	Mil. lb. (2)
Fresh and frozen <sup>3</sup> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Fillet.....	197	200	210	217	241	232	266	271
Steaks.....	5	5	7	13	11	13	14	6
Fish sticks.....	88	89	91	87	92	96	87	99
Fish portions.....	344	328	304	335	333	330	342	316
Breaded shrimp.....	83	85	94	100	95	95	108	100
Canned products <sup>4</sup> .....	1,516	1,476	1,283	1,391	1,411	1,161	1,332	1,171
Fish and shellfish.....	1,009	1,067	876	987	1,042	913	1,011	967
Animal feed.....	507	409	407	404	369	248	321	204
Industrial products.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Meal and scrap.....	724	637	747	764	752	722	702	787
Oil (body and liver).....	312	184	348	399	373	285	337	298
Solubles.....	267	257	305	317	252	323	195	238
Other.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)

  

Item	Value							Preliminary 1987
	1980	1981	1982	1983	1984	1985	1986	
Total <sup>1</sup> .....	Mil. dol. 4,456	Mil. dol. 4,887	Mil. dol. 4,509	Mil. dol. 5,071	Mil. dol. 5,211	Mil. dol. 4,936	Mil. dol. 5,263	Mil. dol. 5,500
Fresh and frozen <sup>3</sup> .....	2,110	2,527	2,670	3,124	3,234	3,242	3,481	3,665
Fillet.....	247	292	331	327	384	408	527	577
Steaks.....	14	13	20	35	27	32	37	18
Fish sticks.....	89	97	106	116	110	111	94	143
Fish portions.....	388	389	386	411	414	368	394	429
Breaded shrimp.....	254	282	338	386	369	355	358	369
Canned products <sup>4</sup> .....	1,928	1,954	1,457	1,534	1,577	1,360	1,495	1,511
Fish and shellfish.....	1,782	1,819	1,325	1,394	1,436	1,269	1,395	1,434
Animal feed.....	146	135	132	140	141	91	100	77
Industrial products.....	270	210	234	252	234	182	175	209
Meal and scrap.....	134	119	123	130	113	84	83	121
Oil (body and liver).....	58	33	54	67	61	42	44	36
Solubles.....	14	15	16	16	15	19	12	16
Other.....	64	43	41	39	45	37	36	36

<sup>1</sup> Includes cured fish.<sup>2</sup> Not applicable.<sup>3</sup> Includes items not shown i.e. dressed fish, shellfish not breaded, specialties.<sup>4</sup> Includes salmon eggs for baits.

National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 711.—Selected fishery products—Imports and exports: 1980-87 <sup>1</sup>

Product	Quantity									Value						
	1980	1981	1982	1983	1984	1985	1986	1987	1980	1981	1982	1983	1984	1985	1986	1987
	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	
<b>Edible</b>	2,144.9	2,272.5	2,225.0	2,386.8	2,454.3	2,754.0	2,978.9	3,201.1	2,686.7	3,034.2	2,202.4	3,626.7	3,742.3	4,064.3	4,813.5	5,711.2
<b>Imports</b>	1,866.0	1,988.5	1,921.3	2,051.5	2,057.1	2,229.0	2,423.7	2,661.6	2,319.7	2,640.2	2,806.2	3,211.9	3,281.3	3,461.6	4,150.0	5,021.9
Fresh or frozen	6.3	6.3	6.7	6.1	8.1	12.8	11.3	9.3	9.3	10.1	10.4	11.2	13.7	22.1	25.2	23.1
Halibut <sup>2</sup>	5.5	6.5	10.4	14.4	21.1	27.0	40.5	41.9	13.9	15.9	22.1	33.4	56.5	75.6	100.7	113.0
Salmon <sup>2</sup>	722.7	721.3	558.5	505.2	404.2	478.8	563.8	572.5	429.3	478.6	360.7	240.0	215.9	266.3	298.8	330.8
Tuna	557.1	601.3	614.2	682.6	624.0	639.8	651.0	719.0	545.8	605.2	629.0	708.0	631.1	655.3	790.6	1,109.4
Groundfish fillets, blocks <sup>3</sup>	148.2	157.0	145.7	141.5	165.7	231.0	251.0	305.6	158.4	194.2	189.0	188.0	238.3	333.7	416.1	545.1
Other fillets and steaks	20.9	26.2	20.9	34.3	27.3	42.0	47.9	39.9	82.0	112.7	73.0	158.7	117.3	147.1	192.6	162.3
Scallops (meats)	50.5	55.8	54.4	63.8	73.4	77.4	79.3	80.9	270.6	308.7	315.6	364.0	435.7	464.9	464.9	575.9
Lobster, American and spiny	215.1	218.4	268.5	328.3	328.9	342.8	384.3	461.2	711.2	715.0	970.0	1,198.0	1,189.9	1,120.7	1,404.9	1,676.8
Shrimp and prawn	212.0	161.6	224.5	257.6	316.4	414.4	438.8	428.7	297.0	207.9	308.7	330.4	372.9	465.8	500.4	515.9
<b>Canned</b>	4.5	4.3	4.2	3.8	4.9	5.0	5.6	5.3	13.2	13.5	11.0	8.1	10.9	11.3	16.5	16.7
Anchovies, in oil	.2	.1	.2	.3	.05	1.9	4.6	6.6	.4	.1	.6	1.5	.1	5.9	13.2	19.2
Salmon	18.2	18.2	14.1	17.2	17.5	23.0	22.9	27.4	24.2	25.1	19.1	21.2	23.4	27.0	28.5	35.1
Sardines, in oil	38.5	43.2	41.3	23.7	31.5	39.8	36.0	43.3	28.4	35.8	30.5	21.5	24.8	30.3	30.4	34.2
Sardines and herring, not in oil	63.6	70.9	87.6	122.3	162.3	213.9	236.6	211.7	97.3	110.4	113.3	137.3	167.3	209.1	228.6	206.9
Tuna	5.0	5.0	5.7	6.5	6.2	7.6	8.8	8.0	12.5	13.2	16.3	20.6	20.0	21.9	24.0	20.6
Crab meat	17.0	20.4	22.4	21.6	23.0	28.9	32.1	32.7	20.3	24.0	26.5	24.8	26.2	30.2	32.3	36.1
Oysters	53.3	67.9	64.3	60.9	61.1	57.1	61.4	57.4	50.4	71.0	62.5	56.1	55.5	53.4	62.2	74.6
<b>Pickled or salted</b>	33.0	45.3	40.8	37.7	38.0	34.7	36.9	31.9	36.0	56.2	48.6	42.9	42.3	41.2	49.5	60.5
Cod, haddock, hake, pollock, cusk	99.0	118.9	168.7	135.9	166.9	510.7	370.0	393.7	15.5	20.5	25.7	21.8	26.5	61.7	47.2	52.5
Nonedible scrap and metal																
<b>Exports</b>	74.0	63.5	41.2	54.5	49.0	48.2	59.4	35.9	150.0	128.6	65.9	97.0	86.8	83.1	101.2	85.8
Canned salmon	284.0	238.3	202.3	404.1	399.4	279.1	192.2	249.1	52.4	42.6	35.7	59.8	71.0	36.8	20.8	23.3
Fish oil, nonedible																

<sup>1</sup> Includes Puerto Rico. <sup>2</sup> Excludes fillets. <sup>3</sup> Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting.

U.S. Dept. of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 712.—Fishery products: Imports and exports, 1973-87 <sup>1</sup>

Year	Imports <sup>2</sup>				Exports			
	Total value	Edible products		Non-edible, value	Total value	Edible products		Non-edible, value
		Quantity	Value			Quantity	Value	
	<i>Mil. dol.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>
1973.....	1,583	2,416	1,398	185	299	239	242	57
1974.....	1,711	2,267	1,495	215	262	178	195	67
1975.....	1,637	1,913	1,367	270	305	218	267	37
1976.....	2,328	2,228	1,914	414	385	241	330	55
1977.....	2,634	2,176	2,078	555	520	331	473	47
1978.....	3,086	2,411	2,256	830	906	448	832	74
1979.....	3,809	2,359	2,672	1,137	1,084	554	1,022	62
1980.....	3,648	2,145	2,687	962	1,006	574	904	102
1981.....	4,206	2,272	3,034	1,172	1,157	669	1,073	84
1982.....	4,523	2,225	3,202	1,321	1,059	657	999	60
1983.....	5,129	2,387	3,627	1,502	1,021	602	908	114
1984.....	5,883	2,454	3,742	2,141	949	574	842	106
1985.....	6,679	2,754	4,064	2,614	1,084	648	1,010	73
1986.....	7,626	2,979	4,813	2,813	1,356	735	1,290	66
1987 <sup>3</sup> .....	8,817	3,201	5,711	3,106	1,660	783	1,577	83

<sup>1</sup> Includes Puerto Rico.<sup>2</sup> Includes landings of tuna by foreign vessels in American Samoa.<sup>3</sup> Preliminary.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 713.—Estimated number of fishing trips taken by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 1984-87

Subregion	1984	1985	1986	1987
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
North Atlantic.....	6,639	8,701	8,333	7,273
Mid-Atlantic.....	21,090	17,816	20,561	18,856
South Atlantic.....	17,840	19,840	14,783	20,924
Gulf.....	16,397	24,227	17,897	18,486
Total <sup>1</sup> .....	61,967	70,584	61,574	65,540
Pacific: <sup>2</sup>				
Southern California.....	5,575	5,276	6,119	5,187
Northern California.....	2,717	2,528	2,757	2,417
Oregon.....	595	765	960	980
Washington.....	1,250	1,354	1,193	1,392
Total <sup>1</sup> .....	10,137	9,923	11,029	9,976
Grand total <sup>1</sup> .....	72,104	80,507	72,603	75,516

<sup>1</sup> Totals may not add due to rounding.<sup>2</sup> Pacific estimates do not include salmon fishing trips.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 714.—Estimated number of fish caught by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 1984–87**

Subregion	1984	1985	1986	1987
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
<b>Atlantic and Gulf:</b>				
North Atlantic.....	31,090	45,662	56,654	39,924
Mid-Atlantic.....	137,338	113,898	163,670	122,344
South Atlantic.....	77,955	79,523	59,047	60,995
Gulf.....	109,745	142,695	181,865	113,712
<b>Total</b> <sup>1</sup> .....	<b>356,128</b>	<b>381,778</b>	<b>411,235</b>	<b>336,975</b>
<b>Pacific:</b> <sup>2</sup>				
Southern California.....	26,577	27,605	35,334	30,772
Northern California.....	15,260	10,496	11,227	9,040
Oregon.....	1,252	1,883	1,754	2,032
Washington.....	3,750	3,195	6,998	4,320
<b>Total</b> <sup>1</sup> .....	<b>46,839</b>	<b>43,179</b>	<b>55,312</b>	<b>46,163</b>
<b>Grand total</b> <sup>1</sup> .....	<b>402,967</b>	<b>424,957</b>	<b>466,547</b>	<b>383,138</b>

<sup>1</sup> Totals may not add due to rounding. <sup>2</sup> Pacific estimates do not include salmon data collected by State recreational fishing surveys.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 715.—Estimated number of fish caught by marine recreational fishermen by mode and year, Atlantic, Gulf, and Pacific Coasts, 1984–87**

Mode	1984	1985	1986	1987
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
<b>Atlantic and Gulf:</b>				
Shore.....	81,110	94,339	100,280	78,474
Party/charter.....	55,622	54,421	54,886	25,607
Private/rental.....	219,396	233,018	256,069	232,894
<b>Total</b> <sup>1</sup> .....	<b>356,128</b>	<b>381,778</b>	<b>411,235</b>	<b>336,975</b>
<b>Pacific:</b> <sup>2</sup>				
Shore.....	15,584	10,266	14,983	10,722
Party/charter.....	12,340	14,195	16,407	8,677
Private/rental.....	18,915	18,718	23,922	26,764
<b>Total</b> <sup>1</sup> .....	<b>46,839</b>	<b>43,179</b>	<b>55,312</b>	<b>46,163</b>
<b>Grand total</b> <sup>1</sup> .....	<b>402,967</b>	<b>424,957</b>	<b>466,547</b>	<b>383,138</b>

<sup>1</sup> Totals may not add due to rounding. <sup>2</sup> Pacific estimates do not include salmon data collected by State recreational fishing surveys.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 716.—Estimated number of fish caught by marine recreational fishermen by area of fishing and year, Atlantic, Gulf, and Pacific coasts, 1984–87**

Area	1984	1985	1986	1987
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
<b>Atlantic and Gulf:</b>				
Ocean 3 miles or less .....	91,917	98,646	120,101	95,685
Ocean over 3 miles .....	49,742	47,391	50,144	41,965
Ocean 10 miles or less <sup>1</sup> .....	70,392	70,669	53,110	48,187
Ocean over 10 miles <sup>1</sup> .....	6,018	14,128	6,800	10,195
Inland .....	115,369	150,474	167,991	140,943
Undefined <sup>2</sup> .....	22,691	470	13,090	0
<b>Total <sup>3</sup> .....</b>	<b>356,128</b>	<b>381,778</b>	<b>411,235</b>	<b>336,975</b>
<b>Pacific: <sup>4</sup></b>				
Ocean 3 miles or less .....	30,900	26,100	30,967	27,290
Ocean over 3 miles .....	6,395	7,936	10,156	9,276
Inland .....	8,752	8,451	13,656	9,423
Undefined <sup>2</sup> .....	791	691	533	175
<b>Total <sup>3</sup> .....</b>	<b>46,839</b>	<b>43,179</b>	<b>55,312</b>	<b>46,163</b>
<b>Grand total <sup>3</sup> .....</b>	<b>402,967</b>	<b>424,957</b>	<b>466,547</b>	<b>383,138</b>

<sup>1</sup> This category refers only to the Florida Gulf coast where State jurisdiction extends to 3 marine leagues, approximately 10 nautical miles.

<sup>2</sup> This category includes "Missing data" on area and local variation in marine geographic terminology which sometimes prevented interviewers from determining acceptable answers to questions on "Distance from shore."

<sup>3</sup> Totals may not add due to rounding.

<sup>4</sup> Pacific estimates do not include salmon data collected by State recreational fishing surveys.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 717.—Estimated number of fish caught by marine recreational fishermen by species group and year, Atlantic and Gulf coasts, 1984-87

Species group	1984	1985	1986	1987
	Thousands	Thousands	Thousands	Thousands
Sharks, other	2,786	1,774	2,322	2,026
Sharks, dogfish	89	2,469	2,172	1,699
Skates/rays	1,698	2,516	1,639	1,970
Eels	615	904	410	261
Herrings	7,496	13,570	11,002	8,958
Freshwater catfishes	253	464	1,727	1,916
Saltwater catfishes	15,831	23,996	18,368	13,977
Toadfishes	2,628	3,680	3,464	3,640
Atlantic cod	2,566	3,674	1,549	2,063
Atlantic tomcod	( <sup>1</sup> )	150	355	( <sup>1</sup> )
Pollock	642	2,155	446	741
Silver hake	( <sup>1</sup> )	112	168	161
Searobins	6,752	4,361	11,858	6,013
Sculpins	646	597	323	57
White perch	2,422	1,177	4,125	2,857
Striped bass	634	698	1,429	894
Black sea bass	15,026	20,084	34,739	11,668
Groupers	3,088	3,339	2,383	3,080
Sea basses, other	3,123	4,376	1,300	3,028
Bluefish	30,284	28,010	32,667	33,801
Jack crevalle	1,695	1,197	3,328	1,337
Blue runner	1,520	1,943	3,358	2,148
Greater amberjack	284	395	442	559
Florida pompano	566	880	2,099	376
Jacks, other	2,288	1,808	2,710	2,124
Dolphins	1,215	1,432	1,254	1,657
Gray snapper	3,523	2,740	2,090	2,284
Red snapper	2,282	3,239	855	928
Lane snapper	1,089	467	218	568
Vermilion snapper	2,285	1,428	359	482
Yellowtail snapper	2,333	938	580	1,230
Snappers, other	1,428	394	334	1,242
Pigfish	1,731	2,770	1,453	2,365
White grunt	5,554	4,530	1,690	3,853
Grunts, other	10,819	6,658	3,320	5,940
Scup	9,520	15,447	32,361	14,275
Pinfish	10,815	11,887	9,882	12,399
Sheepshead	3,302	2,828	2,732	3,913
Red porgy	1,905	1,349	269	232
Porgies, other	1,389	717	225	423
Spotted seatrout	10,668	16,728	23,592	25,671
Weakfish	4,542	3,486	12,322	7,595
Sand seatrout	6,339	9,509	6,404	5,015
Silver perch	742	1,924	465	759
Spot	17,027	25,243	21,640	17,503
Kingfishes	5,025	6,079	8,029	3,949
Atlantic croaker	26,806	23,686	33,989	25,023
Black drum	1,116	1,362	1,867	1,969
Red drum	4,949	5,404	4,123	7,471
Drums, other	2,766	2,872	1,554	2,972
Mullets	7,761	11,783	6,341	3,550
Barracudas	376	396	477	541
Tautog	3,760	4,148	9,186	5,586
Cunner	4,768	3,185	2,703	3,072
Little tunny/Atl. bonito	891	844	1,795	1,139
Atlantic mackerel	3,403	8,300	5,879	8,727
King mackerel	1,373	1,183	753	966
Spanish mackerel	2,142	2,163	8,987	3,251
Tunas/mackerels, other	1,178	1,013	927	933
Summer flounder	43,433	18,202	24,183	25,208
Gulf flounder	802	512	502	222
Southern flounder	935	2,558	3,021	934
Winter flounder	22,018	31,059	10,428	14,384
Flounders, other	8,346	3,591	2,422	974
Triggerfishes/filefishes	575	648	452	754
Puffers	452	1,009	1,000	668
Other fishes	11,789	13,437	16,199	10,931
Total <sup>2</sup>	356,128	381,778	411,235	336,975

<sup>1</sup> Less than 30 thousand reported. Data have been included in totals.<sup>2</sup> Totals may not add due to rounding.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.



**Table 718.—Estimated number of fish caught by marine recreational fishermen by species group and year, Pacific coast,<sup>1</sup> 1984-87**

Species group	1984	1985	1986	1987
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Spiny dogfish.....	390	565		978
Sharks, other.....	292	340	908	1,395
Sturgeons.....	72	36	92	169
Pacific herring.....	515	239	482	351
Northern anchovy.....	772	45	40	( <sup>2</sup> )
Surf smelt.....	6,191	1,997	5,345	1,390
Smelts, other.....	106	( <sup>2</sup> )	578	53
Pacific cod.....	202	75	136	238
Pacific tomcod.....	( <sup>2</sup> )	58	68	201
Walleye pollock.....	442	472	158	564
Pacific hake.....	113	134	104	37
Silversides.....	153	319	239	252
Jacksmelt.....	573	456	356	705
Striped bass.....	87	72	75	174
Kelp bass.....	3,039	2,556	4,502	2,317
Spotted sand bass.....	314	335	604	444
Barred sand bass.....	1,026	1,719	2,270	2,592
Sea basses, other.....	734	964	1,141	1,522
Yellowtail.....	230	46	( <sup>2</sup> )	54
White croaker.....	2,180	2,368	2,855	1,849
California corbina.....	54	49	60	75
Queenfish.....	368	471	551	420
Croakers, other.....	270	232	312	286
Opaleye.....	213	108	113	233
Halfmoon.....	93	54	291	109
Shiner perch.....	293	223	388	260
Striped seaperch.....	239	184	200	257
Black perch.....	111	91	67	54
Walleye surfperch.....	294	205	261	272
Silver surfperch.....	122	270	150	92
White seaperch.....	55	78	94	159
Pile perch.....	159	137	432	141
Redtail surfperch.....	586	433	224	134
Barred surfperch.....	542	468	716	229
Surfperches, other.....	347	478	771	412
Pacific barracuda.....	1,490	1,796	1,160	1,379
California sheephead.....	139	129	204	99
Pacific bonito.....	1,991	609	3,970	3,098
Chub mackerel.....	7,310	6,605	7,165	8,161
Tunas.....	255	131	67	( <sup>2</sup> )
Brown rockfish.....	438	421	392	318
Copper rockfish.....	308	405	337	286
Widow rockfish.....	200	143	165	55
Yellowtail rockfish.....	578	850	534	387
Chillipepper rockfish.....	233	481	552	174
Quillback rockfish.....	68	117	95	205
Black rockfish.....	1,297	1,572	902	961
Blue rockfish.....	1,792	1,403	945	1,222
Bocaccio.....	532	804	868	282
Canary rockfish.....	214	370	426	321
Greenspotted rockfish.....	339	449	327	55
Olive rockfish.....	358	358	263	216
Gopher rockfish.....	404	484	517	385
California scorpionfish.....	203	227	307	296
Rockfishes, other.....	3,230	3,414	3,566	2,933
Sablefish.....	56	48	52	( <sup>2</sup> )
Kelp greenling.....	210	226	281	378
Lingcod.....	320	426	536	570
Greenlings, other.....	40	70	117	79
Cabezon.....	127	133	231	137
Sculpins, other.....	1,101	1,706	1,964	1,213
Sanddabs.....	400	723	605	248
California halibut.....	498	916	1,349	1,579
Rock sole.....	60	66	62	75
Starry flounder.....	74	43	59	115
Flatfishes, other.....	174	254	251	449
Other fishes.....	1,201	1,514	1,880	1,976
<b>Total <sup>3</sup>.....</b>	<b>46,839</b>	<b>43,179</b>	<b>55,312</b>	<b>46,163</b>

<sup>1</sup> Does not include salmon data collected by State surveys. <sup>2</sup> Less than 30 thousand reported. Data have been included in totals. <sup>3</sup> Total may not add due to rounding.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

**Table 719.—Refrigerated warehouses: Total gross space Oct. 1, by type of plant, United States, biennially, 1955-87<sup>1</sup>**

Year	Public cold storage only	Private and semiprivate cold storage	Meat-packing establishments	Total all types <sup>2</sup>
	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>
1955.....	498,599	245,850	68,568	813,017
1957.....	545,061	294,174	62,162	901,397
1959.....	569,199	325,313	50,872	945,384
1961.....	595,463	379,355	51,985	1,026,803
1963.....	633,447	428,250	50,372	1,112,069
1965.....	683,972	473,515	45,903	1,203,390
1967.....	734,804	517,468	41,833	1,294,105
1969.....	762,203	554,611	35,932	1,352,746
1971.....	774,265	624,442	28,272	1,426,979
1973.....	828,691	686,477	( <sup>3</sup> )	1,515,168
1975.....	875,292	754,772	.....	1,630,064
1977.....	893,589	784,943	.....	1,678,532
1979.....	940,005	912,460	.....	1,852,464
1981.....	983,093	941,881	.....	1,924,973
1983.....	1,047,171	1,019,459	.....	2,066,630
1985.....	1,129,777	1,055,900	.....	2,185,677
1987.....	1,305,610	1,170,773	.....	2,476,384

<sup>1</sup> Warehouse space is defined as all space artificially cooled to temperatures of 50° F. or less, in which food commodities are held for 30 days or longer.

<sup>2</sup> Totals may not add due to rounding.

<sup>3</sup> Included in "Private and semiprivate cold storage," beginning 1973.

National Agricultural Statistics Service.

**Table 720.—Refrigerated warehouses: Total gross space, by States, Oct. 1, 1987<sup>1</sup>**

State	Gross space	State	Gross space	State	Gross space	State	Gross space
	<i>1,000 cu. ft.</i>		<i>1,000 cu. ft.</i>		<i>1,000 cu. ft.</i>		<i>1,000 cu. ft.</i>
AL.....	10,029	IN.....	27,678	NE.....	31,474	SC.....	12,853
AK.....	923	IA.....	47,501	NV.....	1,460	SD.....	4,380
AZ.....	7,307	KS.....	57,438	NH.....	.....	TN.....	29,395
AR.....	16,988	KY.....	.....	NJ.....	68,440	TX.....	102,213
CA.....	341,838	LA.....	6,554	NM.....	1,329	UT.....	23,663
CO.....	11,456	ME.....	24,826	NY.....	105,193	VT.....	2,835
CT.....	6,961	MD and DC.....	17,832	NC.....	19,473	VA.....	53,323
DE.....	14,723	MA.....	54,952	ND.....	4,038	WA.....	404,486
FL.....	171,635	MI.....	91,624	OH.....	38,797	WV.....	9,864
GA.....	72,887	MN.....	44,196	OK.....	7,823	WI.....	98,850
HI.....	4,605	MS.....	2,547	OR.....	128,369	Other States.....	16,619
ID.....	46,298	MO.....	71,381	PA.....	90,381	US.....	2,476,384
IL.....	68,338	MT.....	609	RI.....	.....		

<sup>1</sup> Only those States having 3 or more warehouses are listed separately.

<sup>2</sup> Totals may not add due to rounding.

National Agricultural Statistics Service.

Table 721.—Alaska crops: Acreage harvested, 1973–87

Year	Oats for grain	Barley for grain	Grain hay	Grass hay	Grain silage	Grass silage	Potatoes	Other vegetables <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1973.....	600	3,100	2,200	9,400	1,200	1,700	500	165
1974.....	400	1,100	3,200	9,400	1,100	1,700	570	155
1975.....	400	1,500	3,600	10,800	1,000	1,800	530	165
1976.....	300	1,300	3,300	10,400	1,000	1,500	510	175
1977.....	400	2,600	2,100	10,200	1,000	1,400	520	162
1978.....	600	4,000	2,300	9,900	900	1,500	450	198
1979.....	300	5,800	1,000	9,800	700	1,700	460	220
1980.....	600	11,500	2,400	10,400	1,900	1,700	460	227
1981.....	500	8,500	3,200	11,200	1,400	1,600	500	273
1982.....	600	7,500	2,200	10,900	700	1,100	480	306
1983.....	600	11,900	2,800	12,900	1,000	1,000	520	287
1984.....	1,700	15,000	3,000	12,600	4,600	1,200	550	301
1985.....	200	10,700	1,500	12,200	6,300	1,000	580	303
1986.....	300	7,000	1,600	12,800	5,200	1,900	550	278
1987 <sup>2</sup> .....	800	5,300	1,800	14,700	3,800	2,000	750	297

<sup>1</sup> Excludes greenhouse-grown vegetables.      <sup>2</sup> Preliminary.  
National Agricultural Statistics Service.

Table 722.—Alaska crops: Volume harvested, 1973–87

Year	Oats for grain	Barley for grain	Grain hay	Grass hay	Grain silage	Grass silage	Potatoes	Other vegetables <sup>1</sup>
	<i>Bushels</i>	<i>Bushels</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Cwt.</i>	<i>Cwt.</i>
1973.....	25,200	100,800	2,600	12,200	6,400	6,400	102,500	13,700
1974.....	10,000	38,000	4,000	11,800	5,900	6,600	90,500	16,000
1975.....	16,800	70,000	7,100	14,300	4,800	10,400	108,700	16,300
1976.....	12,000	67,000	6,100	12,500	4,500	6,700	91,000	18,800
1977.....	19,600	126,000	3,500	17,100	3,900	7,700	115,000	19,300
1978.....	28,800	150,000	4,700	15,700	5,300	6,800	81,000	19,900
1979.....	15,600	287,000	1,600	14,200	4,200	8,200	85,000	22,700
1980.....	26,100	339,000	2,700	12,300	4,700	7,700	77,000	23,200
1981.....	21,700	251,000	5,500	14,700	6,100	6,700	95,000	23,480
1982.....	31,200	315,000	2,500	11,800	4,700	5,300	102,000	29,857
1983.....	37,500	369,000	4,600	17,100	5,800	8,000	118,000	30,467
1984.....	112,200	525,000	4,400	19,000	14,700	6,600	120,000	31,923
1985.....	7,000	278,000	1,700	15,600	25,200	5,000	124,000	31,337
1986.....	13,200	207,000	1,800	15,200	18,500	7,600	124,000	31,436
1987 <sup>2</sup> .....	41,000	220,000	2,200	18,100	18,100	11,400	152,000	30,891

<sup>1</sup> Excludes greenhouse-grown vegetables.      <sup>2</sup> Preliminary.  
National Agricultural Statistics Service.

Table 723.—Alaska crops: Value of production, 1973-87

Year	Oats for grain	Barley for grain	All hay	All silage	Potatoes	Other vegetables <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1973.....	58,000	363,000	1,832,000	320,000	1,179,000	282,000
1974.....	27,000	158,000	2,054,000	500,000	1,122,000	381,000
1975.....	44,000	287,000	2,782,000	532,000	1,304,000	390,000
1976.....	30,000	261,000	2,825,000	391,000	1,092,000	447,000
1977.....	51,000	479,000	2,781,000	433,000	1,323,000	439,000
1978.....	79,000	570,000	2,652,000	457,000	932,000	539,000
1979.....	41,000	861,000	2,054,000	477,000	1,046,000	571,000
1980.....	81,000	1,017,000	2,100,000	434,000	1,563,000	616,000
1981.....	65,000	1,029,000	3,232,000	499,000	1,995,000	678,000
1982.....	156,000	1,134,000	2,717,000	428,000	1,632,000	779,000
1983.....	113,000	1,218,000	3,906,000	620,000	2,053,000	834,000
1984.....	264,000	1,601,000	3,744,000	942,000	2,256,000	812,000
1985.....	16,500	806,000	2,682,000	1,273,000	1,959,000	766,000
1986.....	31,000	518,000	2,390,000	1,104,000	1,910,000	819,000
1987 <sup>2</sup> .....	96,000	616,000	3,248,000	1,260,000	2,250,000	806,000

<sup>1</sup> Excludes greenhouse-grown vegetables.    <sup>2</sup> Preliminary.  
National Agricultural Statistics Service.

# INDEX

	Page		Page
Agricultural commodity support prices.....	410, 411	Avocados:	
Agricultural conservation program		Arrivals.....	224, 225
See Conservation, Soil conservation, and water conservation.		Imports.....	194
Agricultural loans, <i>See</i> Loans.		Prices, farm.....	193
Agricultural production, index numbers.....	391, 392	Production.....	186, 193, 389
Agricultural products:		Shipments.....	226
Exports:		Value.....	193, 389
Area used for producing.....	390	Baby food exports, destination.....	346
Index numbers.....	503	Bacon.....	300
Specified Government programs.....	11, 23, 54	Balance sheet, farming sector.....	379
Value.....	502-512	Bananas:	
Foreign trade.....	502-514	Arrivals.....	224, 225
Imports:		Prices.....	194
Index numbers.....	504	Production.....	186, 194, 389
Value.....	504, 505, 513, 514	Value.....	194, 389
<i>See also</i> Commodities, agricultural		Yield.....	194
Agricultural Stabilization and Conservation Programs.....	460-463	Banks:	
Number of producers.....	460	Federal:	
Payment to producers.....	460-463	Intermediate credit, loans and discounts outstanding and made.....	430
Alaska crop statistics.....	529, 530	Land:	
<i>See also under specific commodities.</i>		Loans made.....	430, 431
Alcohol production from grains.....	31, 51	Loans and debt outstanding, Jan. 1.....	424, 425, 430, 431
Alfalfa seed:		For cooperatives, loans outstanding and made.....	428, 430
Area.....	243	Barley:	
Production and yield.....	243	Area.....	43, 45, 47, 48, 388
Prices and value.....	250	Consumption.....	49
Almonds:		Disappearance.....	44
Imports and exports.....	233	Disposition.....	43
Production price and value.....	232, 233, 389	Exports.....	44, 47
Shelled production in foreign countries.....	232	Imports.....	44
Animal proteins, disappearance.....	55	Malt exports, destination.....	47
Animal units fed on farms.....	58	Prices:	
Animals, big-game population and hunter harvest on national forest.....	487	Farm.....	43, 46
Apple juice, canned pack.....	227	Market.....	59
Apples:		Support operations.....	46
Arrivals.....	224, 225	Production.....	43-48, 388
Canned:		Seeding rates, per acre.....	247
Quantity.....	189	Stocks on and off farms.....	43
Cold-storage stocks.....	230	Supply.....	44
Consumption.....	231	Utilization in alcoholic products.....	44
Dried:		Value.....	43, 46, 388
Exports.....	190	Yield.....	43, 45, 47, 48, 388
Production.....	228	Barrows and gilts.....	280
Quantity.....	189	Beans:	
Exports.....	190	Dry edible:	
Exports, destination.....	190	Area.....	252, 253, 388
Foreign trade.....	190	Disposition.....	252
Frozen pack.....	228, 229	Exports.....	254, 255
Frozen, quantity.....	189	Prices:	
Imports.....	190	Farm.....	252, 253
Imports, origin.....	190	Market.....	254
Prices:		Production.....	252, 253, 388
Farm.....	187, 188	Seeding rates.....	249
Production.....	186, 187, 188, 189, 389	Value.....	252, 388
Shipments.....	226	Yield.....	252, 254, 388
Utilization.....	189	Dry field.....	254
Value.....	188, 388	Lima:	
Apricots:		Canned pack.....	179
Canned:		Frozen pack.....	181
Exports.....	193	Snap:	
Quantity.....	192	Arrivals.....	175, 176
Dried:		Area.....	150, 389
Exports.....	193	Canned pack.....	179
Production.....	227	Consumption, canned.....	180
Quantity sold.....	192	Frozen pack.....	181, 182, 183, 184
Fresh exports.....	193	Prices, farm.....	150
Frozen.....	192, 228, 229	Production.....	150, 389
Prices, farm.....	191	Shipments.....	177
Production.....	186, 191-193, 388	Value.....	150, 389
Shipments.....	226	Yield.....	150, 389
Utilization.....	192	Beef:	
Value.....	191	Cold storage holdings.....	302
Area:		Consumption.....	307
Land in farms:		Prepared and processed under Federal inspection.....	300
Irrigated.....	372	Production.....	299, 307
Total.....	371, 372	Steer prices, market.....	271
Land utilization.....	373, 374	<i>See also</i> Beef and Veal, Meats and Veal.	
Principal crops, planted and harvested.....	388, 389	Beef and veal:	
Required for specific purposes.....	390	Exports.....	303, 308
<i>See also under specific crops.</i>		Imports.....	303, 308
Artichokes:		Production, specified countries.....	301, 302
Arrivals.....	175, 176	Shipments to Territories.....	308
Shipments.....	177	<i>See also</i> Beef, Meats, and Veal.	
Asparagus:		Beeswax:	
Area, production, and yield.....	149	Imports.....	90
Arrivals.....	175, 176		
Canned pack.....	179		
Frozen pack.....	181, 182		
Shipments.....	177		

	Page	Page
Beets:		
Arrivals.....	175, 177	
Canned pack.....	179	
Shipments.....	177	
Berries:		
Frozen pack.....	228, 229	
Breakfast Program.....	496, 498, 499	
Broccoli:		
Area.....	151, 389	
Arrivals.....	175, 176	
Frozen pack.....	181, 182	
Prices, farm.....	151	
Production.....	151, 389	
Shipments.....	177	
Yield and value.....	151, 389	
Broilers, production, price, and income.....	356, 357	
Brussels sprouts:		
Frozen pack.....	181	
Buffalo.....	262	
Buildings, farm, value of.....	376	
Bulls:		
Number, Jan. 1.....	258, 261	
Slaughter under Federal inspection.....	269	
Butter:		
Consumption.....	142, 340	
Creamery:		
Cold-storage holdings.....	338	
Production in specified countries.....	343	
Disappearance.....	340	
Exports.....	345, 348	
Prices, market.....	142, 341	
Production, world.....	138, 342	
Stocks on hand, Dec. 31.....	339	
Cabbage:		
Arrivals.....	175, 176	
Shipments.....	177	
Cacao beans:		
Exports from principal countries.....	237	
Imports origin.....	237	
Cacao butter. See Cocoa butter.		
Calves:		
Carcasses condemned.....	312	
Disposition.....	266, 268, 269	
Heifers, number, Jan. 1.....	258, 260	
Income from, cash and gross.....	266, 269	
Number born.....	263, 265	
Number, Jan. 1.....	258, 259	
Prices, farm.....	291	
Production.....	265, 267, 268	
Receipts at livestock markets.....	269	
Skins:		
Exports.....	309, 310	
Imports.....	309	
Slaughter:		
Farm.....	265, 268	
Total.....	270	
Under Federal inspection.....	269, 312	
Slaughtered, live weight:		
Costs.....	269	
By States.....	270	
Cantaloups:		
Arrivals.....	175, 176	
Shipments.....	177	
See also Melons.		
Carcasses, whole, number condemned under Federal inspection.....	312	
Carrots:		
Area and production.....	152, 153, 389	
Arrivals.....	175, 176	
Canned pack.....	178, 180	
Frozen pack.....	181, 182	
Prices.....	152, 153	
Shipments.....	177	
Value.....	152, 389	
Yield.....	153	
Casein:		
Imports.....	343	
Castor beans:		
Imports.....	140	
Castor oil:		
Imports.....	140	
Prices, wholesale.....	143	
Cattle:		
Brucellosis work.....	317	
Carcasses condemned.....	312	
Dairy-herd improvement associations.....	316	
Hides:		
Exports.....	310	
Imports.....	309	
Price per pound, Chicago.....	308	
Income from cash and gross.....	265-268	
Cattle—Continued		
Number:		
In specified countries.....	262	
Jan. 1.....	258-261, 377	
On feed, by States.....	265	
Prices:		
Farm.....	266	
Market.....	266	
Production and disposition.....	287, 268	
Slaughter:		
Farm.....	269, 270	
Number.....	287, 268	
Under Federal inspection.....	287, 312	
Slaughtered, live weight.....	270	
Costs.....	267	
By States.....	270	
Tuberculin testing.....	316	
Value:		
Jan. 1.....	258-261	
Of production.....	265-268, 392	
Cauliflower:		
Area and production.....	153, 154, 389	
Arrivals.....	175, 176	
Frozen pack.....	181, 182	
Prices.....	153	
Shipments.....	177	
Yield and value.....	153, 389	
Celery:		
Area and production.....	155, 389	
Arrivals.....	175, 176	
Prices.....	155	
Shipments.....	177	
Yield and value.....	155, 389	
Cheese:		
American, factory production.....	327	
Cold-storage holdings.....	338	
Consumption.....	340	
Disappearance.....	340	
Exports.....	345, 346, 348	
Foreign production.....	343	
Imports.....	343	
Prices, market.....	341	
Production.....	327, 343	
Stocks on hand, Dec. 31.....	339	
Cherries:		
Arrivals.....	224, 225	
Brined.....	197	
Canned.....	197	
Exports.....	196	
Foreign production.....	196	
Frozen.....	197, 228, 229	
Imports.....	196	
Prices.....	195	
Production.....	186, 195-197, 388	
Shipments.....	226	
Utilization.....	197	
Value.....	195, 388	
Chickens:		
Broiler production, price, and income.....	356, 357	
Cash income.....	352	
Commercial storage stocks.....	356	
Consumption.....	352, 356	
Disposition.....	352	
Exports.....	356	
Gross income.....	352, 357	
Number in specified countries.....	352	
Number, Dec. 1.....	348, 349	
Participation in National Poultry Improvement Plan.....	355	
Prices, live weight.....	352, 353, 354	
Production.....	352, 354	
Sold, number.....	352, 353, 354	
Supply and distribution.....	356	
Tested for pullorum disease.....	361	
Value:		
Dec. 1.....	348, 351	
Of production.....	352, 392	
Of sales.....	353	
See also Chicks and Poultry.		
Chicks:		
Baby, prices.....	357, 358	
Hatched by commercial hatcheries.....	357, 358	
Value.....	358	
Child Feeding Programs.....	495, 496, 498	
Cigarettes:		
Consumption and total output.....	102	
Exports.....	102	
Manufactured.....	101	

	Page	Consumption per capita—Continued	Page
Citrus fruits:		Corn:	
Area.....	185	Canned.....	180
Arrivals.....	224, 225	Cereal.....	49
Consumption.....	231	Meal.....	49
Crop insurance.....	421-423	Sugar.....	49
Foreign production.....	200	Syrup.....	49
Prices.....	199	Cornstarch.....	49
Production.....	186, 198, 199, 389	Cream.....	339
Shipments.....	226	Dairy products.....	494
Value.....	198, 389	Eggs.....	494
Citrus juices:		Fat products.....	142
Canned pack.....	201, 227	Fats.....	142
Concentrated, pack.....	201	Fish.....	494
Export.....	202, 203	Flour.....	494
Frozen pack.....	228, 229	Food.....	494
See also Grapefruits, Lemons, Limes, Oranges, and Tangerines.		Fruit juices, canned.....	231
Clover seed, prices.....	250, 251	Fruits:	
Cocoa butter:		Canned.....	231
Exports.....	139	Dried.....	231
Imports.....	140	Fresh.....	231, 494
Coconut oil:		Frozen.....	231
Exports.....	139	Total.....	231, 494
Imports.....	140	Grain products.....	494
Prices, market.....	143	Grains.....	49
Production.....	138	Ice cream.....	340
Coffee:		Lamb and mutton.....	307
Area.....	238, 389	Lard.....	143, 281, 307
Exports from principal producing countries.....	239	Margarine.....	142
Imports, origin.....	238, 239	Meats.....	307, 494
Production.....	238, 389	Melons.....	171, 494
Value.....	389	Milk:	
Yield.....	238, 389	Condensed.....	340
Cold-storage stocks:		Dry whole.....	340
Apples.....	230	Evaporated.....	340
Dairy products.....	338	Fluid.....	339
Frozen fruits.....	230	Nonfat dry milk.....	340
Frozen orange juice.....	230	Mutton.....	307
Meats.....	302	Nutrients.....	489, 490, 491, 492, 493
Poultry products.....	360	Oat products.....	49
Vegetables.....	183	Oil products.....	142
Commodities, agricultural:		Oils.....	142, 494
Owned by Commodity Credit Corporation, Dec. 31.....	448	Paper.....	487
Purchases by Commodity Credit Corporation, costs.....	450-451	Paperboard.....	487
Under Commodity Credit Corporation price- support loan, Dec. 31.....	448	Peanuts.....	119
See also Agricultural products.		Peas, canned.....	180
Commodity Credit Corporation:		Pork.....	307
Cost value of export and commodity disposition.....	452, 453	Potatoes.....	178, 184, 494
Inventory transactions.....	450, 451	Poultry.....	494
Loan programs.....	447-456	Rice.....	49
Price support:		Rye flour.....	49
Commodities owned.....	448	Shortening.....	136
Commodities under loan.....	449	Smoking tobacco.....	102
Granted.....	456	Snuff.....	102
Operations, investments in.....	450	Sugar.....	494
Concentrates fed to milk cows:		Sweet potatoes.....	494
Quantity.....	315	Tobacco products.....	102
Value.....	315	Tomatoes:	
Conservation, agricultural.....	461-464	Canned.....	179, 180
Agricultural Conservation Program.....	460-464	Fresh.....	178
Conservation and pollution abatement practices.....	464	Turkeys.....	362
Participation and assistance.....	460, 461	Veal.....	307
Forestry Incentive Program.....	466, 467	Vegetables:	
Great Plains Program.....	473, 474	Canned.....	180, 184, 494
Plans.....	472	Fresh.....	184, 494
Soil Conservation Program.....	468-474	Frozen.....	184, 494
Water Bank Program.....	465	Total.....	494
Consumer's price index, by groups and by years.....	499	Wheat:	
Consumer prices, index numbers.....	371	Cereal.....	49
Consumption per capita:		Flour.....	49
Apples.....	231	Conversion factors, weights, and measures.....	V-IX
Barley.....	49	Cooperative organizations, farmers'.....	435-437
Beans:		Copra, imports.....	140
Dry edible.....	178	Corn:	
Snap, canned.....	180	Area.....	30, 32, 35, 36, 388, 389
Beef.....	307	Cereal, consumption.....	49
Butter.....	142	Consumption, total.....	49
Cheese.....	340	Crop insurance.....	421
Chewing tobacco.....	102	Disposition.....	30
Chickens.....	356	Exports.....	31, 37
Cigarettes.....	102	Imports.....	31
Cigars.....	102	Loan program, Commodity Credit Corpora- tion.....	447-456
Citrus fruits.....	231	Meal:	
Coffee, tea, and cocoa.....	494	Consumption.....	49
		Exports, destination.....	37
		Oil:	
		Exports.....	139
		Prices, market.....	143
		Used in margarine and shortening.....	136
		Payments to producers.....	457

Corn—Continued	Page	Cottonseed—Continued	Page
Prices:		Meal:	
Farm.....	30, 34	Exports.....	110
Market.....	59	Prices.....	109
Support operations.....	37	Production.....	109
Production.....	30-36, 389	Oil:	
Products, consumption.....	49	Exports.....	110, 139, 140
Seed, prices paid by farmers.....	248	Prices.....	109, 143
Stocks on and off farms.....	31	Production.....	109, 139
Sugar consumption per capita.....	49	Used in margarine.....	136
Supply and disappearance.....	31	Used in shortening.....	137
Syrup:		Prices, farm.....	108
Consumption.....	92	Production.....	108, 109, 111, 388
Production, exports and consumption.....	92	Products:	
Sweet corn:		Prices and production.....	109
Area, production, and farm price.....	156, 157	Quality analysis.....	109
Arrivals.....	175, 176	Seed, prices paid by farmers.....	250
Shipments.....	177	Value.....	108, 388
Canned:		Cowhides:	
Consumption.....	180	Exports.....	309, 310
Pack.....	179	Imports.....	309
Frozen pack.....	181, 182	Prices.....	308
Yield and value.....	156	Cows:	
Utilization:		Numbers, Jan. 1.....	258-261
Area, by States.....	32, 33	Prices, market.....	265
By uses.....	31	Slaughter under Federal inspection.....	267
In alcoholic products.....	31	Cows, milk:	
Value.....	30, 34, 388	Number:	
Yield.....	30, 32, 33, 35, 36, 388	Average during year.....	318-320
Corn-hog price ratios.....	279	In specified countries.....	322
Cornstarch, consumption, civilian, per capita.....	49	Jan. 1.....	258-261
Cotton:		Kept for milk-cow replacement.....	315
Area.....	61, 62, 64, 111, 388	That have calved.....	313, 314
American Pima, carryover and ginnings, by		Prices, farm.....	336
grade and staple length.....	68	Rations.....	314
Carryover.....	65-68	See also Cattle.	
Consumption.....	65, 74, 75	Cranberries:	
Crop insurance.....	421-423	Area.....	205
Disappearance and distribution.....	65-67	Prices, farm and quantity processed.....	205
Exports.....	65, 69, 70, 74, 75	Production.....	186, 205
Exports, index numbers.....	503	Value and yield.....	205
Foreign:		Cream:	
Carryover.....	65	Consumption.....	339
Distribution.....	65, 74, 75	Prices, farm.....	325, 329
Mill consumption.....	65	Stocks on hand Dec. 31.....	339
Production.....	64	Credit banks, Federal intermediate:	
Supply.....	65, 74, 75	See Banks, Federal intermediate credit.	
Stocks.....	74, 75	Crop insurance programs.....	421, 422, 423
Forward contracted percentages.....	62	Crop loan programs, Commodity Credit	
Ginning costs per bale.....	73	Corporation.....	447-457
Ginnings.....	66-68	Crop losses.....	422
Grade and staple length.....	69	Cropland, area.....	374, 375
Imports.....	65, 69, 70, 74, 75	Crops:	
Linters:		Alaska.....	529, 530
Distribution.....	73	Area.....	388-390
Exports.....	73	Harvested, area required.....	390
Imports.....	70, 73	Value of production.....	388, 389
Prices.....	73, 109	Crops principal:	
Production.....	73, 109	Production, index numbers.....	394
Supply.....	73	See also specific crops.	
Loan program, Commodity Credit		Area harvested.....	388, 389
Corporation.....	447-456	Area planted.....	390
Micronaire readings.....	71	Value of production.....	388, 389
Mill consumption.....	65	Cucumbers:	
Prices:		Area.....	158
Farm.....	61, 63	Arrivals.....	175, 176
Market.....	71, 72	Commercial crop.....	158
Support operations.....	63	For pickles.....	158
Production.....	61-64, 388	Production.....	158
Seeding rates, per acre.....	248, 249	Shipments.....	177
Supply.....	65-67, 74, 75	Value.....	158
Trade, international.....	69	Yield.....	158
Upland:		Currents:	
Carryover, ginning, supply and disappearance:		Exports, destination.....	209
By grade.....	66	Frozen pack.....	229
By staple length.....	67	Dairy statistics:	
Grade index and staple length.....	69	Brucellosis work.....	317
Value.....	61, 63, 388	Cold storage holdings.....	338
World:		Disappearance.....	339
Area.....	64	Exports.....	345, 346, 348
Distribution.....	74, 75	Herd improvement associations.....	316
Production.....	64	Imports, index numbers.....	504
Stocks.....	74, 75	Income from cash and gross.....	323, 324, 325
Supply.....	74, 75	Manufactured.....	327, 329, 336
Yield per acre.....	61, 62, 64, 388	Prices:	
Cottonseed:		Manufacturers.....	337
Area and yield.....	111, 112	Support operations.....	347
Cake:		Production.....	327-329
Exports.....	110	Stocks, manufacturers.....	338
Production.....	109, 111, 112	Stocks on hand, Dec. 31.....	339
Crushings.....	109		
Disposition.....	108		
Exports.....	139		
Exports, destination.....	110		



	Page		Page
Dates:		Farmers—Continued	
Area.....	389	<i>See also</i> Farm, operators.	
Dried, production.....	389	Farmers Home Administration loans.....	424, 426, 434
Farm price and value.....	204, 389	Community projects.....	432, 433
Imports.....	204	Farming purposes.....	432
Price and value.....	204	Housing.....	432
Production.....	186	Farms:	
Yield.....	389	Number.....	371-373
Discounts:		Telephone costs.....	445
Farm Credit Administration.....	430	Tenure of operator.....	373
Federal intermediate credit banks.....	430	Value per acre, index number.....	376, 377
Economic trends.....	370, 371	Fat products, consumption.....	142
Eggplant:		Fats:	
Arrivals.....	176	Consumption.....	142
Shipments.....	177	Disappearance.....	136, 137
Eggs:		Exports.....	139, 141
Cash receipt.....	366	Imports.....	140
Cold-storage stocks.....	360, 368	Prepared and processed under Federal inspection.....	300
Consumption.....	366, 367	Prices:	
Disposition and income.....	366, 367	Index numbers.....	143
Exports.....	368	Wholesale.....	143
Foreign production.....	366	Stocks, Jan. 1.....	136
Imports.....	368	Supply and disposition.....	136, 137
Income from.....	366, 367	Use, food and nonfood.....	136, 137
Lay, rate.....	365, 366	Used in—	
Numbers used for hatching.....	368	Margarine.....	136
Prices:		Shortening.....	137
Farm.....	366, 367	World production.....	138
Volume buyers, New York.....	368	<i>See also</i> Oils, shortening, and under specific kinds.	
Production.....	365-368	Feed:	
Production in specified countries.....	366	Bought, cost to farm operators.....	414
Products under Federal inspection.....	369	Grains:	
Sales.....	366, 367	Exports, specified government programs.....	54
Value.....	366, 367	Prices.....	59
Electricity:		High-protein feed index.....	56
Average kilowatt-hours used and monthly bill.....	443	Quantity consumed by livestock and poultry.....	57, 58
Electric service, central-station, farms receiving.....	442	Feed concentrates:	
Emergency conservation measures.....	460, 461	Fed to livestock and poultry.....	56
Employment, farm:		Quantity fed per animal unit.....	56
Number of persons employed.....	384, 385	Total fed.....	56
Total.....	384, 385	Feed Grain Program, payments to producers.....	457
<i>See also</i> Labor, farm and Workers, farm equipment, farm. <i>See</i> Farm equipment.		Exports, index numbers.....	503
Escarole-endive:		Imports, index numbers.....	504
Arrivals.....	175, 176	Feedstuffs:	
Shipments.....	177	Commercial, disappearance.....	55
Expenses, farm production.....	414	Prices, market.....	60
Family farm:		Fertilizer:	
Workers.....	384-386	Bought, cost to farm operators.....	414
Farm:		Consumption.....	416
Buildings, value.....	376	Materials, sales and value.....	416
Cash receipts.....	409, 412, 414	Plant-nutrient content.....	416
Conservation plans, soil conservation districts.....	472	Figs:	
Employment.....	384, 385	Area harvested.....	388
Equipment:		Dried:	
Value, shipped.....	381, 382, 383	Exports and imports.....	206
<i>See also</i> Machinery, farm.		Production.....	206, 227
Family. <i>See</i> Family, farm.		Price.....	206
Income. <i>See</i> Income.		Production.....	186, 206, 388
Labor. <i>See</i> Labor, farm.		Value.....	206, 388
Land:		Yield.....	388
Area.....	371, 372	Filberts:	
Utilization.....	373, 374	Imports.....	234
Value.....	378	Exports.....	234
Mortgage. <i>See</i> Mortgages, farm.		Production, price and value.....	233, 389
Operators tenure of:		Production in foreign countries.....	232
Output, index numbers.....	391, 392, 394	Fires, forest:	
Population. <i>See</i> Population, farm.		Area.....	481
Production:		Number.....	481
Expenses.....	414	Fish:	
Index numbers.....	391, 394	Consumption per capita.....	494
Products:		Oil:	
Income:		Production.....	138
Cash.....	370, 412, 414	Packaged, fresh and frozen production by species.....	518, 521
Gross.....	370, 412, 414	Fisheries, catch and disposition.....	516, 517
Nonmoney.....	412	Fishermen and craft.....	519
Prices, farm.....	399-402	Fishery products:	
Property:		Canned, production and value.....	518, 521
Maintenance costs.....	414	Fresh.....	518, 521
Taxes.....	414	Exports.....	522, 523
Value.....	377	Frozen, production.....	518, 521
Real estate. <i>See</i> Real estate, farm.		Imports.....	522, 523
Farm Credit Administration Loans.....	430-437	Supply.....	520
Loans and discounts:		Fishing trips.....	523
Made.....	430	Fish caught by marine recreational fishermen.....	524-527
Outstanding.....	430		
Farmers:			
Cooperative associations type, number and membership.....	436-438		
Marketing and purchasing associations membership and business.....	436-438		
Share of retail cost for food products.....	397, 398		

	Page		Page
Flaxseed:		Grain products:	
Area.....	112, 113, 114, 144, 388	Consumption.....	49
Crop insurance.....	421	Exports, destination.....	13, 37, 40, 47
Crushed for linseed oil.....	116	Imports, index numbers.....	504
Disappearance.....	113	Grains:	
Exports.....	113, 116, 117, 139	Consumption, civilian.....	49
Exports, destination.....	116, 117	Disappearance, total.....	1
Imports.....	113, 117, 140	Exports:	
Prices:		Destination.....	13, 24, 37, 40, 47, 54
Farm.....	112, 115, 117	Index numbers.....	504
Market.....	115	Feed:	
Support operations.....	115	Area.....	388-390
Production.....	112-116, 388	Prices, market.....	59
Seeding rates, per acre.....	246	Food, area.....	388-390
Stocks.....	113	Imports, index numbers.....	511
Value.....	112, 388	Supply.....	1
Yield.....	113, 114, 388	Utilization in alcoholic products.....	31, 44
<i>See also</i> Linseed.		<i>See also under specific kinds.</i>	
Flood prevention operations:		Grape juice:	
Forest Service and Soil Conservation Service.....	474	Arrivals.....	224, 225
Flour. <i>See under specific kinds.</i>		Canned pack.....	227
Flowers.....	241	Shipments.....	226
Food:		Grapefruit:	
Acquisition.....	515	Arrivals.....	224, 225
Consumption, pounds.....	494	Canned.....	
Foodservice Establishments.....	500	Exports.....	202
Nutrients, contributed by food groups.....	489-493	Pack.....	202
Plans, cost levels.....	495	Exports.....	202, 203
Stamp Program.....	497	Foreign production.....	200
Prices, farm-to-retail spread.....	397, 398, 399	Imports.....	203
Products, marketing spreads.....	397, 398, 399	Juice, canned:	
Food and Nutrition Service Programs.....	496-499	Blended orange and grapefruit, pack.....	227
Contributions to States.....	497	Exports.....	202
Costs.....	496	Pack.....	227
Persons participating.....	496	Juice, concentrated, pack.....	201, 227
Quantity.....	496	Prices, farm.....	198
Food grain prices, market.....	29	Processed, quantity.....	198
Foreign trade. <i>See</i> Agricultural products, foreign		Production.....	186, 198, 199, 389
trade; <i>also under specific crops.</i>		Shipments.....	226
Forestry statistics.....	474-487	Value.....	198, 389
Fires, number and area.....	482	<i>See also</i> Citrus fruits.	
Incentive program.....	466, 467	Grapes:	
Land, farm and nonfarm.....	374, 375	Arrivals.....	224, 225
Land, total and commercial.....	476	Crushed for wine.....	208
Products, value.....	482	Dried, production (raisins).....	207, 226, 227
Tree distribution.....	481	Exports.....	209
Fruit:		Frozen.....	227, 228
Juices, canned:		Imports.....	209
Consumption.....	229	Prices.....	207
Pack.....	201, 239	Production.....	186, 207, 208, 388
Stocks.....	228	Shipments.....	226
<i>See under specific kinds.</i>		Utilization.....	208
Fruits:		Value.....	207, 388
Area, bearing.....	185, 388	Grazing on national forests, number of stock and	
Arrivals.....	224, 225	receipts.....	484, 485
Canned:		Great Plains Conservation Program:	
Consumption and stocks.....	228, 229	Contracts.....	473
Citrus.....	198-204	Greens:	
Citrus products.....	198-204	Arrivals.....	175, 176
Cold-storage stocks.....	228	Shipments.....	177
Consumption.....	229	Hams:	
Deciduous fruits.....	185	Exports.....	303
Dried:		Imports.....	305
Consumption.....	231	Hardwood, production.....	482
Production.....	227, 228	<i>See also under specific commodities.</i>	
Exports:		Hay:	
Index numbers.....	503	Area.....	242-244, 246, 247, 388
Frozen:		Disposition.....	242
Cold-storage stocks.....	228	Prices, farm.....	242, 245
Consumption.....	229	Production.....	242-244, 246, 247, 388
Pack.....	228, 229	Stock on farms.....	242
Noncitrus:		Supply and disappearance, total and per animal	
Production.....	226	unit.....	244
Utilization.....	226	Value.....	242, 245, 388
Value.....	226	Yield.....	242-244, 246, 388
Orders, marketing.....	459	Heifers:	
Production.....	186	Milk cows replacements.....	258, 260
Shipments.....	226	Number, Jan. 1.....	258, 260
<i>See also under specific kinds.</i>		Number that have calved.....	313, 314, 315
Fungicides:		Slaughtered under Federal inspection.....	267
Foreign trade.....	417	Hens, numbers, Dec. 1.....	343, 349
Production.....	417	Hides and skins:	
Game killed in national forests.....	486	Exports.....	309, 310
Goat skins, imports.....	309	Imports.....	309
Goats:		Imports, index numbers.....	504
Average clip.....	298	Mink pelts produced.....	311, 312
Carcasses condemned.....	312	Prices at Central U.S.....	308
Numbers clipped.....	298	Hog-corn price ratio.....	279
Slaughtered under Federal inspection.....	312		
Government payments:			
Total.....	412, 413		

	Page		Page
<b>Hogs:</b>		<b>Index numbers:</b>	
Carcasses condemned.....	312	Agricultural:	
Disposition.....	276, 277	Exports.....	503
Income from, cash and gross.....	276, 277	Imports.....	504
Marketings.....	276, 277	Production.....	391, 392, 394
Number:		Cotton, exports.....	503
Dec. 1.....	271, 272	Cropland, used for crops.....	394
For breeding.....	273	Crop production.....	393, 394
For market.....	273	Dairy products:	
In specified countries.....	274	Exports.....	503
Packer and shipper purchases, weight and cost.....	280	Imports.....	504
Prices, farm.....	275, 292	Farm:	
Production.....	276, 277	Employment.....	383, 384
Receipts:		Food consumption.....	494
At interior markets.....	276	Input.....	391
At public stockyards.....	276	Labor.....	384, 385, 393
Shipments.....	275, 277	Output.....	394
Shipper purchases.....	280	Production.....	391
Slaughter:		Real estate taxes.....	418, 419
Farm.....	276, 277	Real estate values per acre.....	371, 375, 376, 377
Under Federal inspection.....	277, 312	Wage rates.....	386, 387
Slaughtered live weight.....	278	Fats, prices.....	143
Value, Dec. 1.....	271	Feeders:	
Value of production.....	392	Exports.....	503
<i>See also Pig crop and Sows.</i>		Imports.....	504
<b>Honey:</b>		Fruit exports.....	503
Consumption.....	92	Grains:	
Exports.....	92	Exports.....	503
Imports.....	90, 92	Imports.....	504
Production.....	92	Hides, imports.....	504
<b>Hops:</b>		Income, of industrial workers.....	396
Area.....	256, 257	Industrial production.....	371, 396
Disposition.....	257	Livestock:	
Exports.....	257	And poultry, Jan. 1, index numbers.....	310
Imports.....	257	Production.....	391, 392
Prices, farm.....	256, 257	Products, production.....	391, 392
Production.....	256, 257	Oils:	
Stocks on hand.....	257	Exports.....	503
Value.....	257	Imports.....	504
Yield.....	256, 257	Prices.....	143
<b>Horses:</b>		Oilseeds:	
Carcasses condemned.....	312	Exports.....	503
Slaughtered under Federal inspection.....	312	Imports.....	504
Horses and mules, feed consumed.....	57	Parity ratio.....	403, 404
Ice cream:		Prices:	
Consumption.....	340	Consumers'.....	371, 499
Disappearance.....	340	Paid by farmers.....	370, 404, 405
Production.....	335, 336	Producer.....	371, 403
Imports:		Received by farmers.....	370, 403, 404
Agricultural products. <i>See Agricultural products,</i>		Skins, imports.....	504
<i>imports.</i>		Sugar, imports.....	504
<i>See also under specific commodities.</i>		Tobacco:	
Income:		Exports.....	503
Cash from—		Imports.....	504
Beef.....	265-268	Wool, imports.....	504
Calves.....	265-268, 409	Industrial production, index numbers.....	371, 396
Cattle.....	265-268, 409	Insecticides:	
Chickens.....	353, 409	Prices, wholesale.....	417
Dairy products.....	322-324, 409	Insurance, crop.....	421-423
Eggs.....	365, 409	Interest rates.....	429
Farming.....	409, 412, 413	International Wheat Agreement.....	14
Hogs.....	276, 277, 409	Irrigation.....	375
Lambs.....	287, 288, 409	Kale:	
Mohair.....	298	Frozen pack.....	181, 182
Sheep.....	287, 288, 409	Kid skins, exports and imports.....	308-310
Veal.....	265-267	Kiwifruit.....	186
Wool.....	294	Labor, farm, hours used.....	384, 385, 386, 414
Disposable personal.....	371	<i>See also Employment, farm and Workers, farm.</i>	
Government payments:		Lamb:	
Total.....	412	Crop.....	286, 287
Gross from—		Skin:	
Broilers.....	357	Exports.....	309, 310
Calves.....	265-268	Imports.....	309
Cattle.....	265-268	<i>See also Lamb and mutton and Meat.</i>	
Chickens.....	352, 353	Lamb and mutton:	
Dairy products.....	324, 325	Cold-storage holdings.....	302
Eggs.....	366, 367	Consumption.....	307
Farming.....	370	Exports.....	303
Hogs.....	275, 276	Imports.....	304
Lambs.....	287, 288	Production:	
Sheep.....	287, 288	Specified countries.....	301, 302
Turkeys.....	361, 362	United States.....	299, 307
Gross, per farm.....	414	Shipments to Territories.....	308
National.....	371	Lambs:	
Net, farm.....	370, 414	Cash receipts.....	287, 288
Nonmoney.....	412	Marketings.....	287, 288
Of industrial workers, index numbers.....	396	Number, Jan. 1, by classes and State.....	282, 283
		Prices:	
		Farm.....	292
		Market.....	287
		Shipments.....	287

Lambs—Continued	Page	Livestock—Continued	Page
Slaughter:		World. <i>See specific kinds.</i>	
Farm.....	287, 288, 290	Loans and debt outstanding:	
Under Federal inspection.....	290	Agricultural, Federal and other agencies.....	420-430, 439-446, 451
<i>See also Livestock and Sheep and lambs.</i>		Banks for cooperatives.....	429, 430
Land utilization:		Commodity Credit Corporation.....	449, 450, 451
Cropland.....	374	Economic opportunity.....	432, 433
Forest land.....	374	Emergency.....	432, 433
Pasture.....	374	Farm real estate, of all operating banks.....	424
For census years, United States.....	374	Farm Credit System.....	431
In Alaska.....	529	Farmers' cooperative organizations.....	442
Special uses.....	374, 375	Farmers Home Administration.....	432, 433, 441
Lard:		Federal intermediate credit banks.....	430
Consumption.....	142, 281, 307	Federal land banks.....	421, 423, 430, 431
Exports.....	139, 281	Insurance companies.....	423-425
Income from cash.....	276, 277	Interest:	
Income from gross.....	276, 277	Rates.....	429
Prices.....	143	Non-real estate.....	429
Production.....	141, 298, 306	Operating loans, Farmers Home Administration.....	441, 442
Stocks.....	281	Production credit associations.....	430-433
Supply.....	281	Rural Electrification Administration.....	430-432
Used in:		Rural Housing, Farmers Home Administration.....	431
Food products.....	142	To associations.....	432, 433
Margarine.....	136	To cooperatives.....	442, 444
Shortening.....	137	<i>See also under specific type of commodity.</i>	
Lemons:		Lumber, production.....	482
Arrivals.....	224, 225	Macadamia nuts:	
Exports.....	203	Prices.....	234
Imports.....	203	Production and value.....	234, 389
Prices.....	198	Machinery, farm:	
Processed, quantity.....	198	Number, Jan. 1.....	381
Production.....	186, 198, 199, 389	Units manufactured.....	382
Production, foreign.....	200	Value of shipments.....	383
Shipments.....	226	<i>See also Farm, equipment.</i>	
Value.....	198, 389	Maple products:	
<i>See also Citrus fruits.</i>		Sugar. <i>See Sugar, maple.</i>	
Lettuce:		Syrup. <i>See Syrup, maple.</i>	
Area.....	160, 161	Margarine:	
Arrivals.....	175, 176	Consumption.....	135
Production.....	160, 161	Disappearance, domestic.....	135
Shipments.....	177	Exports.....	135, 139
Value.....	160, 161	Manufacture, materials used.....	136
Yield.....	161	Prepared and processed under Federal inspection.....	300
Lime:		Prices, wholesale.....	143
Farm production expenses.....	414	Production.....	135
Limes:		Supply.....	135
Exports.....	203	Marketing:	
Imports.....	203	Agreements and orders:	
Prices.....	198, 199	Fruits, vegetables, and tree nuts.....	459
Processed quantity.....	198	Milk.....	327-331
Production.....	186, 198, 200, 390	Associations, membership and business.....	436, 437
Shipments.....	226	Bill for farm food products.....	397
Value.....	198, 390	Costs.....	397
<i>See also Citrus fruits.</i>		Spreads.....	398, 399
Linseed:		Marketings, farm, cash receipts.....	397, 412, 413
Cake and meal:		Meals. <i>See under specific kinds.</i>	
Exports.....	117	Measures:	
Imports.....	117	Equivalent weights.....	V-VII
Production.....	117	Tables, explanation.....	IV
Exports, destination.....	116, 117	Meat:	
Meal prices.....	115	Cold-storage holdings.....	302
Oil:		Food products, prepared and processed under Federal inspection.....	300
Exports.....	116, 117, 139	Trade, international.....	305, 306
Imports.....	116, 140	Meats:	
Prices, market.....	115, 143	Consumption.....	307
Production.....	117, 138	Exports.....	303, 305, 306
Stocks, June 1.....	117	Imports.....	303, 306
Linters. <i>See Cotton, linters.</i>		Prepared and processed under Federal inspection.....	300
Livestock:		Production:	
Bought, cost to farm operators.....	414	Specified countries.....	301, 302
Grazed on national forests, and receipts.....	485	United States.....	299
Jan. 1, index numbers.....	310	Shipments to Territories.....	308
Number on farms.....	377	Mellorine, production.....	337
Prices.....	291, 292	Melons:	
Production.....	392	Arrivals.....	175, 176
Production, index numbers.....	393, 394	Consumption.....	178
Products:		Honeydews:	
Index numbers.....	393, 394	Area, production, and price.....	159
Production.....	392	Shipments.....	177
Value.....	392	Yield and value.....	159
Slaughtered under Federal inspection.....	312	<i>See also Cantaloups and Watermelons.</i>	
Value:			
Of production.....	392		
Total and per head.....	377		

	Page		Page
Milk:		Mutton. <i>See</i> Lamb and mutton <i>and</i> Meats.	
Condensed:		National forests:	
Consumption.....	340	Area by States.....	480
Disappearance.....	340	Fires.....	481
Exports.....	345, 346, 348	Forest products, value.....	481
Exports, destination.....	346	Payments to States and Territories.....	486
Production.....	328, 336	Receipts.....	484
Stocks, manufacturers'.....	338	Recreational use.....	486, 487
Stocks on hand, Dec. 31.....	339	Stock grazed on.....	484
Consumption.....	339	Timber cut.....	482
Disappearance.....	339, 340	Use by hunters and fishermen.....	487
Dry:		National income.....	371
Nonfat:		National marketing bill for civilian purchases of	
Consumption.....	340	food products.....	397
Disappearance.....	340	National Poultry Improvement Plan.....	355, 356
Exports.....	345, 346	Nectarines:	
Exports, destination.....	346	Arrivals.....	224, 225
Prices.....	337	Disposition, use, price, and value.....	210, 388
Production.....	328	Production.....	186, 210, 212
Stocks, manufacturers'.....	338	Shipments.....	226
Stocks on hand, Dec. 31.....	339	Nitrogen in commercial fertilizers.....	416, 417
Whole:		Nonfood Assistance Program.....	496
Consumption.....	340	Nutrients contributed by food groups.....	489-493
Disappearance.....	340	Nuts:	
Exports.....	345, 346, 348	Area, bearing.....	185
Exports, destination.....	346	Tree:	
Imports.....	343	Commercial production in foreign countries.....	232
Prices.....	337	Supply and utilization.....	232
Stocks, manufacturers'.....	338	Oatmeal:	
Stocks on hand, Dec. 31.....	339	Consumption, civilian, per capita.....	49
Exports, destination.....	346	Exports, destination.....	40
Imports.....	343	Oats:	
Prices.....	337	Area.....	38, 40, 42, 388
Production.....	328, 329, 364	Consumption, civilian.....	49
Stocks, manufacturers'.....	330, 331	Disposition.....	38
Stocks on hand, Dec. 31.....	338, 339	Exports.....	39, 40
Marketing orders, Federal.....	328-331	Imports.....	39
Prices:		Prices:	
Farm.....	323-325, 329	Farm.....	38, 41
Received by producers.....	323-327, 329	Market.....	59
Retail.....	323	Support operations.....	39
Producer deliveries.....	335	Production.....	38-42, 388
Producers, number.....	334	Seed, prices paid by farmers.....	250
Production.....	326, 327	Seeding rates, per acre.....	248
Production in specified countries.....	322	Stocks on and off farms.....	38
Sales.....	323-325, 330, 331	Supply and disappearance.....	39
Utilization.....	327, 328	Value.....	38, 41, 388
Value.....	324, 325	Yield.....	38, 40, 42, 388
Milkfat:		Oil products:	
Percentage in milk.....	327, 328	Consumption.....	142
Prices, farm.....	323-325	Oils:	
Production:		Animal:	
Per cow.....	327, 328	Used in margarine.....	136
Sales from farms.....	323-325	Used in shortening.....	137
Total.....	327, 328	Consumption.....	142
Mill products, disappearance.....	55	Disappearance.....	136, 137
Mink pelts, number produced.....	311, 312	Exports.....	139
Mint oil.....	134	Imports.....	140
Mohair:		Prepared and processed under Federal	
Price.....	298	inspection.....	300
Price-support operations.....	298	Prices:	
Production.....	298	Index numbers.....	143
Value.....	298	Wholesale.....	143
Molasses:		Stocks, Jan. 1.....	136, 137
Edible:		Supply and disposition.....	136, 137
Production and foreign trade.....	92	Use, food and nonfood:	
Consumption.....	92	Margarine.....	136
Industrial:		Shortening.....	137
Production, foreign trade, and market		Vegetable:	
supplies.....	91	Exports.....	139
Production:		Imports, quantity.....	140
Hawaii.....	80	Used in margarine.....	136
United States.....	79, 80	Used in shortening.....	137
Mototrucks, number on farms.....	381	World production.....	138
Mules. <i>See</i> Horses and mules.		<i>See also</i> Fats, Shortening, and under specific	
Mushrooms:		kinds.	
Area in production.....	240	Oilseed cake and meal:	
Arrivals.....	175, 176	Disappearance.....	55
Prices.....	240	Exports.....	139
Production.....	240	Imports.....	140
Value of imports.....	240	<i>See also</i> under specific kinds.	
Value of production.....	240	Oilseeds:	
		Exports.....	139
		Imports:	
		Index numbers.....	504
		Quantity.....	140
		World production.....	138
		Okra:	
		Frozen pack.....	181
		Shipments and arrivals.....	175-177

	Page		Page
Oleomargarine. <i>See</i> Margarine.			
Olive oil:			
Exports.....	139		
Imports.....	140, 211		
Prices, wholesale.....	143		
Production in specified countries.....	135		
Production, world.....	139		
Olives:			
Imports.....	211		
Prices.....	210		
Production.....	186, 389		
Utilization.....	210		
Value.....	210, 389		
Onions:			
Area and production.....	161, 162, 389		
Arrivals.....	175, 176		
Exports.....	162		
Imports.....	162		
Loss.....	162		
Prices.....	162		
Shipments.....	177		
Shrinkage.....	162		
Yield.....	161, 389		
Value.....	161, 162, 389		
Orange juice:			
And grapefruit juice, blended, canned pack.....	227		
Canned pack.....	201, 227		
Concentrated pack.....	201		
Frozen, cold-storage stocks.....	230		
Oranges:			
Arrivals.....	224, 225		
Exports.....	203		
Imports.....	203		
Prices.....	198		
Processed quantity.....	198		
Production.....	186, 198, 199, 389		
Production, foreign.....	200		
Shipments.....	226		
Value.....	198, 389		
<i>See also</i> Citrus fruits.			
Palm kernel oil:			
Imports.....	140		
Production, world.....	138		
Palm oil:			
Imports.....	140		
Prices, wholesale.....	143		
Production, world.....	138		
Papayas:			
Prices.....	217		
Production.....	186, 217, 389		
Utilization.....	217		
Value.....	217, 389		
Paper:			
Consumption per capita.....	487		
Production and consumption.....	487		
Paperboard:			
Consumption per capita.....	487		
Production and consumption.....	487		
Parity prices.....	399-402		
Parity ratio.....	404		
Parsley arrivals and shipments.....	175, 176, 177		
Pasture and range, condition:			
First of month, April-December.....	247		
June and September.....	250		
Payments:			
Government.....	412, 413		
Peaches:			
Arrivals.....	224, 225		
Canned:			
Exports.....	211, 214		
Quantity.....	213		
Dried:			
Exports.....	211		
Production.....	227		
Exports.....	211, 214		
Frozen.....	228, 229		
Prices.....	211, 212		
Production.....	186, 211-213, 388		
Production, foreign.....	211, 212		
Shipments.....	226		
Utilization.....	213		
Value.....	211, 388		
Peanut cake and meal:			
Production.....	118		
Stocks.....	118		
Peanut oil:			
Exports.....	118, 139		
Imports.....	118, 140		
Production and stocks.....	118, 119, 138		
Peanuts:			
Area.....	117, 121, 123		
Consumption.....	119		
Crushed.....	118, 119		
Disposition.....	117, 119		
Exports.....	118, 119		
Foreign production.....	123		
Imports.....	118, 119, 140		
Milled.....	118		
Prices:			
Cleaned.....	122		
Farm.....	117		
Shelled.....	122		
Support operations.....	122		
Production.....	117-119, 121, 123, 388		
Seed, prices paid by farmers.....	250		
Seeding rates, per acre.....	248, 249		
Stocks on hand.....	118, 119, 121		
Supply.....	119		
Utilization, shelled.....	120, 121		
Value.....	121, 388		
Yield.....	117, 121, 388		
Pears:			
Arrivals.....	224, 225		
Canned:			
Exports.....	216		
Dried:			
Exports.....	216		
Production.....	216		
Exports.....	216		
Imports.....	216		
Prices:			
Farm.....	214, 215		
Production.....	186, 214, 215, 216, 217, 388		
Shipments.....	225		
Utilization.....	215, 216, 217		
Value.....	214, 388		
Peas:			
Blackeye, frozen pack.....	181, 182		
Dry:			
Exports.....	255		
Shipments.....	177		
Green:			
Area.....	163, 389		
Arrivals.....	175, 176		
Production.....	163, 389		
Shipments.....	177		
Canned:			
Consumption.....	180		
Pack.....	179		
Frozen pack.....	181, 182		
Prices.....	163		
Value.....	163, 389		
Yield.....	163, 389		
Pecans:			
Exports.....	235		
Imports.....	235		
Prices.....	234, 235, 389		
Production.....	234, 235, 389		
Value.....	234, 389		
Peppermint:			
Area.....	133		
Farm price.....	133		
Production.....	133		
Value.....	133		
Yield.....	133		
Pepper, green:			
Arrivals.....	175, 176		
Frozen pack.....	181, 182		
Shipments.....	177		
Persimmons:			
Arrivals.....	224, 225		
Production.....	186		
Shipments.....	226		
Pesticides, production and foreign trade.....	417		
Phosphoric oxide in commercial fertilizers.....	416		
Pickles:			
Canned pack.....	179		
Pig crop.....	273, 274		
<i>See also</i> Hogs and Sows.			
Pineapple juice, canned pack.....	227		
Pineapples, production.....	186		
Plant nutrients, consumption.....	416, 417		
<i>See also</i> Fertilizers.			
Plums:			
Arrivals.....	224, 225		

Plums—Continued	Page	Prunes—Continued	Page
Canned:		Canned:	
Disposition.....	219, 220	Quantity.....	217
Quantity.....	219-221	Dried:	
Exports.....	222	Exports.....	221
Frozen, commercial pack.....	228, 229	Farm price.....	220
Imports.....	222	Imports.....	222
Prices, farm.....	219, 220	Production.....	219, 220, 221, 227
Production.....	186, 218, 219, 220, 222, 388	Quantity.....	219, 220
Shipments.....	226	Exports.....	222
Utilization.....	219-221	Frozen:	
Value.....	219, 220, 388	Pack.....	228, 229
Pollution abatement practices.....	462-464	Quantity.....	219
Pomegranates:		Imports.....	222
Prices.....	218	Prices, farm.....	219-221
Production.....	186, 218, 389	Production.....	186, 219-221
Shipments.....	226	Shipments.....	226
Value.....	218, 389	Utilization.....	219-221
Poppy seed:		Value.....	219, 220
Imports.....	140	Pullets, number, Dec. 1.....	348-350
Population:		Pulpwood consumption.....	487
Eating from civilian food supplies.....	488	Pumpkin:	
Farm.....	382	Arrivals.....	175, 176
Total.....	382	Frozen pack.....	181, 182
Pork:		Shipments.....	177
Cold-storage holdings.....	302	Radishes, shipments.....	177
Consumption.....	307	Raisins:	
Exports.....	303, 305	Exports.....	209
Imports.....	303, 305	Imports.....	209
Income from, cash and gross.....	276, 277	Production.....	207, 227
Prepared and processed under Federal inspection.....	300	Rapeseed:	
Prices, wholesale.....	280	Oil:	
Production:		Imports.....	140
Specified countries.....	301, 302	Prices, market.....	143
United States.....	299	Production.....	138
Shipments to Territories.....	308	Rates of seeding, for specified crops, acre.....	248, 249
Potash in commercial fertilizer.....	416	Rations, concentrate, value per 100 lb. fed to milk cows.....	313, 314
Potatoes:		Rations fed to milk cows.....	314
Area.....	164, 165, 388	Real estate, farm:	
Arrivals.....	175, 176	Debt:	
Consumption.....	177, 180	Outstanding, by regions and total... 371, 424, 425, 426	
Disposition.....	168	Loans:	
Exports.....	169	Farmers Home Administration.....	434
Farm disposition.....	168	Taxes, amount and index numbers.....	418, 419
Frozen pack.....	178, 179	Value:	
Imports.....	169	By regions.....	376, 378
Prices, farm.....	164, 165	Index number.....	371, 376, 377
Production.....	164-178, 388	Refrigeration, warehouse space.....	525
Seed, prices paid by farmers.....	250	Rhubarb, frozen pack.....	181
Seeding rates, per acre.....	248	Rice:	
Shipments.....	177	Area.....	19-21, 25, 26, 388
Stocks.....	166	By length of grain.....	20-22
Utilization.....	167	Area.....	20, 21
Value.....	164, 388	Production.....	20, 21
Yield.....	164, 388	Stocks.....	22
Poultry:		Yield.....	20, 21
Cold-storage holdings.....	360	Consumption, civilian.....	46
Consumption per capita.....	494	Disappearance.....	20
Cut up under Federal inspection.....	360	Disposition.....	19
Inspected for further processing.....	360	Exports:	
Jan. 1, index numbers.....	310	Destination.....	24
Production in specified countries.....	352	Under specified Government programs.....	23
Products, cold-storage holdings.....	360	Prices:	
Slaughtered under Federal inspection.....	359	Farm.....	19, 23
See also Chickens, Chicks, and Turkeys.		Market.....	29
Poultry-feed price ratios.....	358	Support operations.....	24
Price index, consumers', by groups and years.....	371	Production.....	19-21, 25, 26, 388
Price support:		Products, consumption per capita.....	24
Commodities owned.....	448	Seeding rates, per acre.....	249
Commodities under loan.....	449	Stocks.....	19, 20, 22
Granted by CCC.....	448	Supply.....	20
Operations, investment in.....	450	Trade, international.....	27, 28
Prices:		Value.....	19, 23, 388
Consumer, index numbers.....	371	Yield.....	19-21, 25, 26, 388
Farm product.....	399-402	Rural Electrification Administration:	
Farm-retail spread.....	398	Borrowers, status of.....	438, 439
Index numbers.....	405	Loans.....	437-439, 444-446
Paid by farmers.....	370, 404-408	Services.....	437-446
Parity ratio.....	403	Rural Telephone Bank.....	444-446
Producer, index numbers.....	371, 403	Rye:	
Received by farmers, index numbers.....	370, 403, 404	Area.....	15, 16, 18, 388
Production:		Consumption, civilian.....	49
Assets.....	379	Disappearance.....	15
Credit associations, loans.....	449	Disposition.....	15, 17
Expenses of farmers.....	414	Exports.....	15
Operating loans, Farmers Home Administration.....	441	Flour, consumption per capita.....	49
Per hour, index numbers.....	393	Imports.....	16
Proteins (animal), disappearance.....	55	Prices:	
Prunes:		Farm.....	15, 17
Arrivals.....	224, 225		

Prices—Continued	Page		Page
Prices:			
Market.....	29		
Support operations.....	17		
Production.....	15, 16, 18, 388		
Seeding rates, per acre.....	248		
Supply.....	15		
Utilization.....	16		
Value.....	15, 17, 388		
Yield.....	15, 16, 18, 388		
Sausage:			
Exports.....	303		
Imports.....	304		
Prepared and processed under Federal inspection.....	300		
School lunch programs, quantity and costs.....	496		
Seeding rate for specified crops per acre, by States.....	248, 249		
Seeds:			
Bought, cost to farm operators.....	414		
Field:			
Prices, paid by farmers.....	250		
<i>See also under specific kinds.</i>			
Sesame:			
Oil:			
Exports.....	139		
Prices, wholesale.....	143		
Production, world.....	139		
Seed, imports.....	141		
Sheep:			
Marketing.....	287, 288		
Number in specified countries.....	285		
Number, Jan. 1.....	282, 283		
Number on feed, Jan. 1.....	284		
Prices:			
Farm.....	287		
Market.....	287		
Shipments.....	287, 288		
Slaughter:			
Farm.....	287-289		
Under Federal inspection.....	290, 312		
Stock sheep.....	283, 284		
<i>See also Sheep and lambs and Livestock.</i>			
Sheep and lambs:			
Carcases condemned.....	312		
Disposition.....	287, 288		
Income.....	287, 288		
Number:			
Jan. 1, by classes and States.....	282, 283, 284, 376		
On feed.....	282, 284		
Shorn for wool.....	294, 297		
Specified countries.....	285		
Prices, farm.....	287, 294		
Production.....	287, 288		
Receipts at public stockyards.....	289		
Shipments.....	288		
Skins:			
Exports.....	309, 310		
Imports.....	309		
Origin.....	309		
Slaughter:			
Farm.....	287, 288, 290		
Under Federal inspection.....	290, 312		
Value:			
Jan. 1.....	282		
Of production.....	287, 288, 376		
<i>See also Lambs, Livestock, and Sheep.</i>			
Shortening:			
Consumption:			
Civilian.....	136		
Disappearance.....	136		
Exports.....	136		
Manufacture, fats and oils used.....	137		
Production.....	136		
Supply.....	136		
<i>See also Fats and Oils.</i>			
Skins:			
Exports.....	309, 310		
Imports.....	309		
Imports, by country of origin.....	309		
Index numbers, imports.....	511, 512		
Mink pelts produced.....	311		
Snuff:			
Consumption.....	102		
Manufactured.....	101		
Softwoods, production.....	488		
Soil, conservation:			
Districts:			
Growth.....	468		
State and Local appropriations.....	468		
State participation.....	469		
Plans.....	472		
Practices applied.....	471, 473		
Surveys, area.....	470		
Soil Conservation Service:			
Conservation plans.....	472		
Flood prevention operations.....	474		
Great Plains.....	473		
Watershed improvements.....	474		
Sorghum:			
Area.....	50, 52, 388		
Grain:			
Disappearance.....	51		
Disposition.....	50		
Exports.....	54		
Prices, farm.....	50, 53		
Prices, market.....	59		
Stocks on farms.....	51		
Stocks off farms.....	51		
Supply.....	51		
Support operations.....	53		
Production.....	50-53, 388		
Seed, prices paid by farmers.....	250		
Seeding rates, per acre.....	249		
Value.....	50, 53, 388		
Yield.....	50, 52, 388		
Sows:			
Farrowing.....	272, 274		
Packer purchases, average weight and cost.....	279		
<i>See also Hogs and Pigs.</i>			
Soybean cake and meal:			
Cake and meal stocks, production, and exports.....	129		
Meal, prices.....	128		
Soybean oil:			
Exports.....	129, 139, 140		
Prices:			
Market.....	128		
Wholesale.....	143		
Production.....	126, 139		
Stocks.....	126		
Used in—			
Drying-oil industries.....	143		
Margarine.....	136		
Shortening.....	137		
Soybeans:			
Area.....	124, 126, 128, 388		
Crop insurance.....	424		
Crushed.....	124		
Disposition.....	124		
Exports.....	125, 129		
Imports.....	140		
Prices:			
Farm and Market.....	124, 127, 128		
Support operations.....	127		
Production.....	124-128, 388		
Seed, prices paid by farmers.....	250		
Seeding rates, per acre.....	249		
Stocks on and off farms.....	124		
Supply and disappearance.....	125		
Value.....	124, 388		
Yield.....	124, 126, 127, 388		
Spearmint:			
Area.....	133		
Price.....	133		
Production.....	133		
Value.....	133		
Yield.....	133		
Special Milk Program.....	493		
Spinach:			
Arrivals.....	175, 176		
Consumption.....	178, 179		
Frozen pack.....	181, 182		
Shipments.....	177		
Squash:			
Arrivals.....	175, 176		
Frozen pack.....	181, 182		
Shipments.....	177		
Stags:			
Slaughter under Federal inspection.....	268		
Steers:			
Beef, prices, market.....	265		
Number, Jan. 1.....	257, 260		
Slaughter under Federal inspection.....	268		
Strawberries:			
Area.....	223		
Arrivals.....	234, 225		
Frozen pack.....	228, 229		
Prices, farm.....	223		
Production.....	186, 222, 223, 389		
Shipments.....	226		
Utilization.....	222, 223		
Value.....	389		



	Page	Page	Page
Sugar:		Tallow—Continued	
Beet:		Inedible:	
Area.....	76, 77, 78	Disposition.....	137
Price and value.....	76, 77, 78	Exports.....	139, 141
Production, United States.....	76	Factory consumption.....	137
Production, world.....	78	Imports.....	137
Stocks, production, and deliveries.....	84	Prices.....	137
Yield.....	76, 77, 78	Production.....	137
Cane:		Supply.....	137
Produced per ton of cane.....	79, 80	Tall oil, prices, wholesale.....	143
Production:		Tangelos.....	186, 198, 199
In Hawaii.....	80, 81	Tangerine, juice, pack.....	201, 227
In specified countries.....	81, 82	Tangerines:	
In United States.....	79, 80, 81, 85	Arrivals.....	224, 225
Production, world.....	82	Prices.....	198, 199
Stocks, production, and deliveries.....	84	Production.....	186, 198, 199
Stocks, receipts, meltings, and deliveries.....	85	Taro:	
Consumption:		Area.....	170, 388
Military and civilian, total and per capita.....	85	Production and yield.....	170, 388
Corn, consumption, civilian, per capita.....	49	Taxes:	
Exports.....	86, 87, 89	Farm real estate:	
Foreign stocks.....	89	Amount.....	418, 419
Imports.....	83, 86, 87, 88	Index numbers.....	418, 419
Imports, index numbers.....	504, 509	Tea:	
Marketings, by source.....	83	Exports from principal countries.....	240
Prices:		Imports, origin.....	239
Retail, United States.....	88	Telephone borrower statistics.....	444, 445
Wholesale, at New York.....	88	Expenses.....	444
Production, world.....	81, 82	Revenues.....	445
Stocks, production, trade, and supply available		Temples.....	186, 198, 199, 224, 226, 227
for consumption.....	85	Timber:	
Trade, international.....	86, 87	Cut.....	482
Sugarbeet seed:		Prices.....	484
Area, yield, production, price, and value.....	77	Products.....	482, 483
Sugarbeets:		Removals and growth.....	478
Area.....	76, 77, 78, 388	Volume.....	475, 476, 479
Prices, farm.....	76, 77	Timothy seed; prices.....	247
Production.....	76, 77, 78, 388	Tobacco:	
Value.....	76, 77, 388	Area.....	93-99, 388
World area and production.....	78	Chewing:	
Yield.....	76, 77, 78, 388	Consumption.....	102
<i>See also</i> Beets.		Manufactured.....	101
Sugarcane:		Consumption.....	102
Area.....	79, 80, 388	Crop insurance.....	423
Area, production, and yield:		Disappearance.....	97-99
In Hawaii.....	80	Exports:	
In specified countries.....	81, 82	Destination.....	106, 107
Prices, farm.....	79, 80	Index numbers.....	503
Production for sugar and seed.....	79, 80, 388	Quantity.....	96-99, 103, 104
Value.....	79, 80, 388	Imports:	
Yield per acre.....	79, 80, 388	Index numbers.....	504
Sunflower.....	130, 131, 249	Origin.....	103
Sunflower seed.....	132	Quantity.....	104, 105
Support prices, commodity.....	410, 411	Prices:	
Sweet potatoes:		Farm.....	93, 96-99
Area.....	170, 171, 388	Support operations.....	103
Consumption.....	178, 180	Production.....	93-99, 388
Farm disposition.....	171	Products:	
Prices.....	170, 171	Consumption.....	102
Production.....	170, 171, 388	Manufactured.....	101
Seeding rates, per acre.....	249	Smoking:	
Shipments and arrivals.....	175, 176, 177	Consumption.....	102
Value and yield.....	170, 388	Manufactured.....	101
Syrup:		Stocks.....	96-101
Corn:		Supply.....	96-99
Consumption, civilian, per capita.....	49	Trade, international.....	103, 104
Exports.....	92	Value.....	93, 388
Production and consumption.....	92	World area and production.....	94, 95
Maple:		Yield.....	93-99, 388
Consumption, domestic.....	92	<i>See also</i> Cigarettes, Cigars, and Snuff.	
Imports.....	92	Tomato products:	
Production.....	92	Catsup exports.....	174
Refiners:		Juice:	
Consumption.....	92	Exports.....	174
Production.....	92	Paste:	
Sugarcane:		Exports and imports.....	174
Consumption.....	92	Tomatoes:	
Syrups, edible:		Area and production.....	172-174
Consumption.....	92	Arrivals.....	175, 176
Foreign trade.....	92	Canned:	
Production.....	92	Consumption.....	180
Tallow:		Exports.....	174
Edible:		Imports.....	174
Prices.....	143	Prices.....	172
Production, world.....	138	Shipments.....	177
		Value.....	172, 173
		Yield.....	172
		Tractors, numbers on farms.....	381

	Page		Page
Trade, international:		Vegetables—Continued	
Cotton.....	69	<i>See also under specific kinds.</i>	
Meat.....	305, 306	Wages, farm:	
Rice.....	27, 28	Average earnings received.....	386, 387
Sugar.....	88, 89	Rates.....	388
Tobacco.....	104, 105	Index numbers.....	388
Wheat and flour.....	12	Walnuts, English:	
Truck crops. <i>See</i> Vegetable crops.		Exports.....	236
Tung oil:		Imports.....	236
Imports.....	140	Prices.....	236
Prices, wholesale.....	143	Production in foreign countries.....	232
Turkey-feed price ratios.....	358	Production.....	232, 236, 389
Turkeys:		Value.....	236, 389
Breeder hens, number.....	361, 362	Warehouse space, refrigerated.....	528
Cold storage.....	360	Water conservation. <i>See</i> Conservation.	
Commercial storage stocks.....	361	Watermelons:	
Consumption:		Arrivals.....	175, 176
Per capita and total.....	362	Shipments.....	177
Disposition and income.....	362	<i>See also</i> Melons and Vegetable seeds.	
Number raised.....	363, 377	Watershed improvements of Soil Conservation	
Participation in National Turkey Improvement		Service.....	474
Plan.....	355	Weights:	
Prices.....	362, 363	Equivalent measures.....	V-VII
Production.....	362, 363, 392	Tables, explanation.....	IV
Sales.....	361	Wheat:	
Supply and distribution.....	362	Area.....	1, 2, 5-7, 9, 10, 388
Tested for pullorum disease.....	361	Cereal, consumption per capita.....	49
Value, breeder hens, Dec. 1:		Consumption.....	49
Per head and total.....	361	Crop insurance.....	425
<i>See also</i> Poultry.		Disappearance.....	4
Turnip greens, frozen pack.....	181, 182	Disposition.....	1
Arrivals.....	175, 176	Exports.....	4, 11-14
Shipments.....	177	Specified Government programs.....	11
Utilization of farm commodities:		Flour:	
Apples.....	189	Consumption, civilian, per capita.....	49
Apricots.....	191, 192	Exports, destination.....	13
Barley, in alcoholic products.....	44	Imports.....	4, 11, 12
Cherries.....	195	International Wheat Agreement.....	14
Corn:		Loan program, Commodity Credit	
Area.....	30, 32, 33	Corporation.....	447-456, 458
In alcoholic products.....	31	Prices:	
Grapes.....	208	Farm.....	1, 2, 8
Land.....	374, 375	Market.....	29
Milk.....	332, 333	Support operations.....	7
Olives.....	210	Production.....	1, 2, 4-10, 388
Peaches.....	212	Seed, price paid by farmers.....	250
Pears.....	214	Seeding rates, per acre.....	248
Plums and prunes.....	218-222	Stocks:	
Total index.....	392	By classes.....	4
<i>See also individual items.</i>		On and off farms.....	3
Value of agricultural commodities:		Supply.....	4
Crops:		Trade, international.....	12
Principal.....	388, 389	Value.....	1, 8, 388
Specific. <i>See under name of specific crop.</i>		Yield.....	1, 2, 5-7, 9, 10, 388
Vegetable.....	148, 152	Wood-pulp production.....	487
Exports.....	503-509, 507-513	Wool:	
Imports.....	503, 504, 509, 510, 514, 515	Carpet, imports.....	293
Livestock.....	379, 380, 392	Consumption, total.....	295
Veal:		Exports.....	293
Consumption.....	305	Imports:	
Production.....	299, 305	By grades.....	295
<i>See also</i> Beef, Beef and Veal, and Meats.		Index numbers.....	504
Vegetable fats and oils:		Origin.....	296
Fats. <i>See</i> Fats, vegetable.		Quantity for consumption.....	293
Oils. <i>See</i> Oils, vegetable.		Prices:	
Vegetables:		Delivered to U.S. mills.....	294
Area.....	145, 146, 388, 389	Farm.....	293, 297
Arrivals.....	175, 176	Price-support operations.....	294
Canned:		Production, pulled.....	293
Consumption.....	180	Production, shorn.....	293, 297
Pack.....	179	Value and weight per fleece.....	293, 294, 297
Stocks.....	183	Workers, farm:	
Exports, index numbers.....	511	Average days worked.....	387, 388
Frozen:		Average earnings received.....	387, 388
Cold-storage stocks.....	183	Hired.....	387, 388
Consumption.....	184	Index.....	386
Pack.....	181, 182		
Orders, marketing.....	459		
Production.....	145, 147		
Shipments.....	177		
Value.....	145, 148		