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DEPARTMENT OF AGRICULTURE

**AGRICULTURAL
STATISTICS
1991**



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Agricultural Statistics, 1991

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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 1975 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 ¹	Approximate net weight		Commodity	Unit ¹	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	Cherries	Lug (Campbell) ¹²	16	7.3
	do.	48	21.8				
Apples	Northwest box ²	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) ³	24	10.9	Coffee	Bag	132.3	60
Western	4-basket crate ⁴	26	11.8	Corn:			
Artichokes:	Globe	20	9.1	Ear, husked	Bushel	¹³ 70	31.8
	Jerusalem	Bushel	50	22.7	Shelled	do.	56	25.4
Asparagus	Crate	30	13.6	Meal	do.	50	22.7
Avocados	Lug ⁵	12-15	5.4-6.8	Oil	Gallon	¹⁰ 7.7	3.5
Bananas	Fiber folding box ⁶	40	18.1	Sirup	do.	11.72	5.3
Barley	Bushel	48	21.8	Sweet	Mesh or paper bag	45-50	20.4-22.7
Beans:					Wirebound crate	40-60	18.1-27.2
Lima, dry	do.	56	25.4	Cotton	Bale, gross	¹⁴ 500	227
Other, dry	do.	60	27.2		Bale, net	¹⁴ 480	218
Lima, unshelled	Sack	100	45.4	Cottonseed	Bushel	¹⁵ 32	14.5
Snap	do.	28-32	12.7-14.5	Cottonseed oil	Gallon	¹⁰ 7.7	3.5
Beets:				Cowpeas	Bushel	60	27.2
Without tops	do.	50	22.7	Cranberries	Barrel	100	45.4
Bunched	Wirebound crate	45	20.4		¼-bbl. box ¹⁶	25	11.3
Berries frozen pack:				Cream, 40-percent butterfat	Gallon	8.38	3.80
Without sugar	50-gal. barrel	380	172	Cucumbers	Bushel	48	21.8
3 + 1 pack	do.	425	193	Dewberries	24-qt. crate	36	16.3
2 + 1 pack	do.	450	20.4	Eggplant	Bushel	33	15.0
Blackberries	24-qt. crate	36	16.3	Eggs, average size	Case, 30 dozen	47.0	21.3
Bluegrass seed	Bushel	14-30	6.4-13.6	Escarole	Bushel	25	11.3
Broccoli	Wirebound crate	20-25	9.1-11.3	Figs, fresh	Box single layer ¹⁷	6	2.7
Broomcorn (6 bales per ton)	Bale	333	151	Flaxseed	Bushel	56	25.4
Broomcorn seed	Bushel	44-50	20.0-22.7	Flour, various	Bag	100	45.4
Brussels sprouts	Drums	25	11.3	Grapefruit:			
Buckwheat	Bushel	48	21.8	Florida and Texas	½-box mesh bag	40	18.1
Butter	Box	64	29.0	Florida	1½ bu. box	85	38.6
	Open mesh bag	50	22.7	Texas	1½ bu. box	80	36.3
Cabbage	Wirebound crate ⁷	50	22.7	California			
	Western crate ⁸	80	36.3	Desert			
Cantaloups	Jumbo crate ⁹	83	37.6	Valleys and Arizona	Box ¹⁸	¹⁹ 64	29.0
Carrots:					Carton ²⁰	32	14.5
Without tops	Open mesh bag	50	22.7	California other than Desert			
Castor beans	Bushel	41	18.6	Valleys	Box ¹⁸	67	30.4
Castor oil	Gallon	¹⁰ 8	3.6		Carton ²⁰	33½	15.2
	W.G.A. crate	50-60	22.7-27.2	Grapes:			
	Fiberboard box wrapper leaves removed film-wrapped, 2 layers	23-35	10.4-15.9	Eastern	4-qt. climax basket	6	2.7
Celery	Crate ¹¹	60	27.2		12-qt. basket	18-20	8.2-9.1
					Lug ²¹	28	12.7
				Western	4-basket crate ²²	20	9.1
				Hempseed	Bushel	44	20.0
				Hickory nuts	do.	50	22.7
				Honey	Gallon	11.84	5.4
				Honeydew melons	Jumbo crate ²³	44	20.0
				Hops	Bale, gross	200	90.7

See footnotes on page IX.

WEIGHTS AND MEASURES—Continued

Commodity	Unit ¹	Approximate net weight		Commodity	Unit ¹	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		<i>Pounds</i>	<i>Kilo-grams</i>			<i>Pounds</i>	<i>Kilo-grams</i>
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 ²⁷	46	20.9
Kapok seed.....	do.....	35-40	15.9-18.1	Peas:			
Lard.....	Tierce.....	375	170	Green, unshelled.....	Bushel.....	28-30	12.7-13.6
Lemons:				Dry.....	do.....	60	27.2
California and Arizona.....	{ Box ²⁴	19 76	34.5		do.....	25-30	11.3-13.6
	{ Carton ²⁰	38	17.2	Peppers, green.....	{ Fiberboard carton.....	30-34	13.6-15.4
Lentils.....	Bushel.....	60	27.2		Bushel.....	37-40	16.8-18.1
Lettuce.....	Fiberboard box, carton...	38-55	17.2-24.9	Pineapples.....	Crate ²⁸	70	31.8
Lettuce, hot-house.....	24-qt. basket...	10	4.5	Plums and prunes:			
Limes (Florida).....	Box.....	88	36.3	California.....	4-basket crate ²⁹	28-34	12.7-15.4
Linseed oil.....	Gallon.....	10 7.7	3.5	Other.....	½-bu. basket....	28	12.7
Malt.....	Bushel.....	34	15.4	Popcorn:			
Maple syrup.....	Gallon.....	11.02	5.00	On ear.....	Bushel.....	19 70	31.8
Meadow fescue seed.....	Bushel.....	24	10.9	do.....	do.....	56	25.4
Milk.....	Gallon.....	8.6	3.90	Shelled.....	do.....	46	20.9
Millet.....	Bushel.....	48-60	21.8-22.7	Poppy seed.....	Bushel.....	60	27.2
Molasses, edible.....	Gallon.....	11.74	5.3		Barrel.....	165	74.8
Molasses, inedible.....	do.....	11.74	5.3	Potatoes.....	{ Bag.....	50	22.7
Mustard seed.....	Bushel.....	58-60	26.3-27.2		do.....	100	45.4
Oats.....	do.....	32	14.5	Quinces.....	Bushel.....	48	21.8
Olive.....	Lug ²¹	25-30	11.3-13.6	Rapeseed.....	do.....	50 and 60	22.7-27.2
Olive oil.....	Gallon.....	10 7.6	3.5	Raspberries.....	24-qt. crate.....	36	16.3
Onions, dry.....	Sack.....	50	22.7	Redtop seed.....	Bushel.....	50 and 60	22.7-27.2
Onions, green bunched.....	Crate.....	60-65	27.2-29.5	Refiners' syrup.....	Gallon.....	11.45	5.2
Onion sets.....	Bushel.....	28-32	12.7-14.5	Rice:			
Oranges:				Rough.....	{ Bushel.....	45	20.4
Florida and Texas.....	{ ½-box mesh bag.....	45	20.4		{ Bag.....	100	45.4
	{ Box ²⁶	30	40.8	Milled.....	Barrel.....	162	73.5
California and Arizona.....	{ Box ¹⁸	10 75	34.0	Rosin.....	Pocket or bag.....	100	45.4
	{ Carton ²⁰	37½	17.0	Rutabagas.....	Drum, net.....	520	236
Orchardgrass seed.....	Bushel.....	14	6.4	Sesame seed.....	Bushel.....	56	25.4
Palm oil.....	Gallon.....	10 7.7	3.5		do.....	56	25.4
Parsnips.....	Bushel.....	40	22.7	Shallots.....	{ Crate (4-7 doz. bunches).....	20-35	9.1-15.9
Peaches.....	{ Lug box ²¹	20	9.1	Sorgo:			
	{ California fruit box.....	26 18	8.2	Seed.....	Bushel.....	50	22.7
Peanut oil.....	Gallon.....	10 7.7	3.5	Syrup.....	Gallon.....	11.55	5.2
Peanuts, unshelled:				Sorghum grain ³⁰	Bushel.....	56	25.4
Virginia type.....	Bushel.....	17	7.7	Soybeans.....	do.....	60	27.2
Runners, Southeastern.....	do.....	21	9.5	Soybean oil.....	Gallon.....	10 7.7	3.5
Spanish:				Spelt.....	Bushel.....	40	18.1
Southeastern.....	do.....	25	11.3	Spinach.....	do.....	18-20	8.2-9.1
Southwestern.....	do.....	25	11.3	Strawberries.....	{ 24-qt. crate.....	36	16.3
					{ 12-pt. crate.....	9-11	4.1-5.0
				Sudangrass seed.....	Bushel.....	40	18.1
				Sugarcane:			
				Syrup (sulfured or unsulfured).....	Gallon.....	11.45	5.2
				Sunflower seed.....	Bushel.....	24 and 32	10.9-14.5
				Sweetpotatoes.....	{ do.....	51 55	24.9
					{ Crate.....	50	22.7
				Tangerines, Florida.....	½-bu. box.....	47½	21.5

See footnotes on page IX.

WEIGHTS AND MEASURES—Continued

Commodity	Unit ¹	Approximate net weight		Commodity	Unit ¹	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	¹⁰ 7.8	3.5
Tobacco:				Turnips:			
Maryland	Hogshead	775	352	Without tops	Mesh sack	50	22.7
Flue-cured	do	950	431	Bunched	Crate ⁸	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	Lug box ²¹	32	14.5	Wheat	Bushel	60	27.2
Tomatoes, hothouse	2-layer flat	21	9.5	Various commodities	Short ton	2,000	907
	12-qt. basket	20	9.1		Long ton	2,240	1,016
					Metric ton	2,204.6	1,000

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 ³²	1.4 bushels fresh
Applesauce	1 case canned ³²	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 ³³	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	1 pound	0.561 pound dressed weight (1954-63 average)
Cane syrup	1 gallon	5 pounds sugar
Cherries, tart	1 case canned ³²	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 ³³	0.030 ton fresh
Cornmeal:		
Degermed	100 pounds	3.16 bushels corn, beginning 1946
Nondegermed	100 pounds	2 bushels corn, beginning 1946
Cotton	1 pound ginned	3.26 pounds seed cotton, including trash ³⁴
Cottonseed meal	1 pound	2.10 pounds cottonseed
Cottonseed oil	1 pound	5.88 pounds cottonseed
Dairy products:		
Butter	1 pound	21.1 pounds milk
Cheese	1 pound	10 pounds milk
Condensed milk, whole	1 pound	2.3 pounds milk
Dry cream	1 pound	19 pounds milk
Dry milk, whole	1 pound	7.6 pounds milk
Evaporated milk, whole	1 pound	2.14 pounds milk
Malted milk	1 pound	2.6 pounds milk
Nonfat dry milk	1 pound	11 pounds liquid skim milk
Ice cream ³⁵	1 gallon	15 pounds milk
Ice cream ³⁵ (eliminating fat from butter and concentrated milk)	1 gallon	12 pounds milk
Eggs	1 case	47 pounds
Eggs, shell	1 case	39.5 pounds frozen or liquid whole eggs
Do	1 case	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 ³³	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	1 pound	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	1 pound	2.22 pounds unshelled through 1949; 2 pounds thereafter
Brazil	1 pound	2 pounds unshelled
Cashews	1 pound	4.55 pounds unshelled
Chestnuts	1 pound	1.19 pounds unshelled
Filberts	1 pound	2.22 pounds unshelled through 1949; 2.5 pounds thereafter
Pecans:		
Seedling	1 pound	2.78 pounds unshelled
Improved	1 pound	2.50 pounds unshelled
Pignolias	1 pound	1.3 pounds unshelled
Pistachios	1 pound	2 pounds unshelled
Walnuts:		
Black	1 pound	5.88 pounds unshelled
Persian (English)	1 pound	2.67 pounds unshelled
Oatmeal	100 pounds	7.6 bushels oats, beginning 1943
Oranges, Florida	1 case canned juice ³³	0.53 box fresh
Peaches, California, freestone	1 pound dried	5½ pounds fresh through 1918; 6 pounds fresh from 1919-28; and 6½ pounds fresh from 1929 to date
Peaches, California, clingstone	1 pound	7½ pounds fresh
Peaches, clingstone	1 case canned ³²	1 bushel fresh
Do	1 case	0.0230 ton fresh
Peanuts	1 pound shelled	1½ pounds unshelled
Pears	1 pound dried	6½ pounds fresh
Pears, Bartlett	1 case canned ³³	1.1 bushels fresh
Do	1 case	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 ³³	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 unhulled 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 ³³	0.018 ton fresh
Turkeys.....	1 pound live weight.....	0.80 pound ready-to-cook weight
Wheat flour.....	100 pounds.....	2.30 bushels wheat ³⁴
Wool, domestic apparel shorn.....	1 pound greasy.....	0.48 pounds scoured
Wool, domestic apparel pulled.....	do.....	0.73 pound scoured

¹Standard 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.

²Approximate inside dimensions, 10½ by 11½ by 18 inches.

³Approximate inside dimensions, 4½ by 12½ by 16½ inches.

⁴Approximate inside dimensions, 4½ by 16 by 16½ inches.

⁵Approximate dimensions, 4½ by 13½ by 16½ inches.

⁶Approximate inside dimensions, 13 by 12 by 32 inches.

⁷Inside dimensions vary. Common sizes are 13 by 13 by 22½ inches, and 13 by 15½ by 23 inches.

⁸Approximate inside dimensions, 13 by 18 by 21½ inches.

⁹Approximate inside dimensions, 13 by 13 by 22½ inches.

¹⁰This is the weight commonly used in trade practices, the actual weight varying according to temperature conditions.

¹¹Approximate inside dimensions, 9¾ by 16 by 20 inches.

¹²Approximate inside dimensions, 4½ by 11½ by 14 inches.

¹³The 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.

¹⁴For 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.

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

¹⁶Approximate inside dimensions, 9¾ by 10¾ by 15 inches.

¹⁷Approximate inside dimensions, 1¾ by 11 by 16½ inches.

¹⁸Approximate inside dimensions, 11½ by 11½ by 24 inches.

¹⁹In 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.

²⁰Approximate inside dimensions, 10¾ by 10¼ by 16 inches for oranges or lemons, and 9¾ by 10¼ by 16 inches for grapefruit.

²¹Approximate inside dimensions, 5¾ by 13½ by 16½ inches.

²²Approximate inside dimensions, 4¾ by 16 by 16½ inches.

²³Approximate inside dimensions, 7¾ by 16 by 21½ inches.

²⁴Approximate inside dimensions, 9¾ by 13 by 25 inches.

²⁵Approximate inside dimensions, 12 by 12 by 24 inches.

²⁶Approximate inside dimensions vary. Common size is 4½ by 11½ by 16½ inches.

²⁷Approximate inside dimensions, 8½ by 11½ by 18 inches.

²⁸Approximate inside dimensions, 12 by 10¾ by 33 inches.

²⁹Inside dimensions vary. Ranges from 4 by 16 by 16½ inches to 6 by 16 by 16½ inches.

³⁰Includes both sorghum grain (kafir, milo, hegari, etc.) and sweet sorghum varieties.

³¹This 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.

³²Case of 24 No. 2½ cans.

³³Case of 24 No. 303 cans.

³⁴Varies widely by method of harvesting.

³⁵The 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.

³⁶This 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 bushels; 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, 1976–90

Year ¹	Supply				Disappearance			Ending stocks
	Begin-ning stocks	Produc-tion	Imports	Total	Domestic use	Exports	Total disap-pearance	
	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons
1976.....	43.8	258.1	0.4	302.3	154.3	78.9	233.2	69.1
1977.....	69.1	265.9	.4	335.4	182.2	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	408.1	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	218.8	76.9	295.7	203.8
1987.....	203.8	277.3	1.6	482.8	215.0	98.3	313.3	169.4
1988.....	170.0	206.3	2.0	378.2	187.6	103.7	291.3	86.5
1989.....	86.5	283.7	2.1	372.3	204.0	106.9	310.9	61.4
1990 ²	61.4	312.1	2.5	376.1	224.8	83.1	308.1	68.0

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

² Preliminary. Totals may not add due to independent rounding.

Economic Research Service.

Table 2.—Wheat: Area, yield, production, disposition, and value, United States, 1976–90

Year	Area		Yield per harvested acre	Production	Used on farms where produced		Sold	Market-ing year average price per bushel received by farmers ²	Value of produc-tion ²
	Plant-ed ¹	Harvest-ed			For seed	Fed to live-stock			
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
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	56,495	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	3.80	8,070,378
1980.....	80,788	71,125	33.5	2,380,934	(³)	(³)	(³)	3.99	9,302,831
1981.....	88,251	80,642	34.5	2,785,357	(³)	(³)	(³)	3.69	10,172,242
1982.....	86,232	77,937	35.5	2,764,967	(³)	(³)	(³)	3.45	9,813,015
1983.....	76,419	61,390	39.4	2,419,824	(³)	(³)	(³)	3.51	8,532,790
1984.....	79,213	66,928	38.8	2,594,777	(³)	(³)	(³)	3.39	8,755,033
1985.....	75,535	64,704	37.5	2,424,115	(³)	(³)	(³)	3.08	7,374,181
1986.....	71,998	60,688	34.4	2,090,570	(³)	(³)	(³)	2.42	5,044,347
1987.....	65,829	55,945	37.7	2,107,685	(³)	(³)	(³)	2.57	5,497,712
1988.....	65,529	53,189	34.1	1,812,201	(³)	(³)	(³)	3.72	6,683,999
1989.....	76,615	62,189	32.7	2,036,618	(³)	(³)	(³)	3.72	7,542,464
1990 ⁴	77,286	69,353	39.5	2,738,594	(³)	(³)	(³)	2.61	7,298,833

¹ Includes area seeded in preceding fall for winter wheat. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

³ Estimates discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 3.—Wheat, by kinds: Area, yield, production, and value, United States, 1976-90

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	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>
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	3.81	6,075,553
1980	57,771	51,635	36.8	1,902,011	3.88	7,286,005
1981	65,547	58,476	35.9	2,097,057	3.68	7,643,158
1982	65,516	57,633	36.0	2,073,560	3.42	7,248,918
1983	62,105	47,584	41.8	1,988,304	3.42	6,910,125
1984	63,419	51,513	40.0	2,060,266	3.32	6,861,900
1985	57,712	47,923	38.1	1,826,625	2.98	5,429,571
1986	58,895	43,170	35.2	1,520,433	2.33	3,583,338
1987	48,806	39,332	39.8	1,565,381	2.49	3,962,170
1988	48,800	39,800	39.2	1,561,910	3.65	5,684,359
1989	55,091	41,509	35.0	1,454,642	3.78	5,450,176
1990 ³	56,998	49,976	40.7	2,033,299	2.64	5,498,563
Durum wheat ⁴						
	<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>
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	4.23	463,347
1980	5,525	4,840	22.4	108,395	5.32	549,261
1981	5,776	5,655	32.4	183,040	3.73	681,633
1982	4,290	4,177	34.9	145,863	3.40	534,156
1983	2,565	2,492	29.3	72,979	3.98	292,418
1984	3,277	3,219	32.1	103,439	3.75	389,420
1985	3,207	3,094	36.4	112,510	3.22	362,036
1986	2,994	2,877	34.0	97,907	3.70	271,276
1987	3,341	3,279	28.2	92,617	3.18	312,553
1988	3,336	2,847	15.7	44,831	4.70	203,923
1989	3,791	3,673	25.1	92,229	3.46	316,838
1990 ³	3,565	3,502	34.9	122,171	2.63	323,834
Other spring wheat ⁵						
	<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>
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	3.61	1,530,978
1980	17,492	14,650	25.3	370,528	4.10	1,467,565
1981	16,928	16,511	30.6	505,260	3.73	1,847,451
1982	16,426	16,127	33.8	545,544	3.54	2,029,941
1983	11,749	11,314	31.7	358,541	3.72	1,330,247
1984	12,517	12,196	35.3	431,072	3.53	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	13,682	13,334	33.7	449,687	2.62	1,222,989
1988	13,393	10,542	19.5	205,460	3.77	795,717
1989	17,733	17,007	28.8	489,747	3.61	1,775,450
1990 ³	16,723	15,875	36.7	583,124	2.53	1,476,436

¹ Seeded in preceding fall for winter wheat. ² 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, prior to 1979. ³ Preliminary. ⁴ Includes California, Minnesota, Montana, North Dakota, and South Dakota. In addition 1976 and 1977 includes New Mexico; beginning 1976 includes Arizona.

⁵ Includes small quantities of durum wheat grown in States other than those mentioned in footnote 4.

National Agricultural Statistics Service.

WHEAT

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Table 4.—Wheat: Stocks on and off farms, United States, 1976-90

Year beginning October	On farms				Off farms ¹			
	Oct. 1	Jan. 1	Apr. 1	June 1	Oct. 1	Jan. 1	Apr. 1	June 1
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>
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	759,950	539,077	414,394	1,497,550	1,150,253	790,059	574,719
1981.....	1,197,704	948,675	742,573	576,136	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	806,396
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	1,223,301
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.....	1,156,000	966,000	748,000	525,000	1,820,462	1,534,286	1,175,536	735,844
1988.....	799,000	620,000	463,000	289,000	1,455,552	1,095,902	764,711	412,626
1989.....	832,000	592,000	376,000	212,500	1,085,246	831,651	567,109	323,955
1990 ²	1,000,000	763,200	532,920	341,210	1,409,504	1,144,838	863,057	524,571
Year beginning October	On farms				Off farms ¹			
	Oct. 1	Jan. 1	Apr. 1	June 1	Oct. 1	Jan. 1	Apr. 1	June 1
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>
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	69,685	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.....	85,456	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	123,388	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	39,191	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.....	94,100	76,850	64,024	53,331	52,452	43,639	40,657	29,429
1988.....	56,040	49,615	43,635	34,201	50,630	40,928	34,808	25,813
1989.....	79,150	61,827	46,898	30,836	42,431	38,361	31,545	19,385
1990 ²	100,050	86,315	58,759	43,353	31,330	25,811	23,679	18,637

¹ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ² Preliminary.

National Agricultural Statistics Service.

Table 5.—Wheat: Supply and disappearance, United States, 1976-90

Year beginning June	Supply				Disappearance							Ending stocks May 31
	Beginning stocks	Production	Imports ¹	Total	Domestic use				Exports ¹	Total disappearance		
					Food	Seed	Feed ²	Total				
<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	
1976.....	666	2,149	3	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	643	100	371	1,114	1,426	2,540	1,399	
1984.....	1,399	2,595	9	4,003	651	98	407	1,156	1,421	2,578	1,425	
1985.....	1,425	2,424	16	3,866	674	93	284	1,052	909	1,961	1,905	
1986.....	1,905	2,091	21	4,017	712	84	401	1,197	999	2,196	1,821	
1987.....	1,821	2,108	16	3,945	721	85	280	1,086	1,598	2,684	1,261	
1988.....	1,261	1,812	23	3,096	726	103	146	975	1,419	2,394	702	
1989.....	702	2,037	23	2,762	753	100	139	992	1,233	2,225	536	
1990 ⁴	536	2,739	35	3,310	790	89	500	1,379	1,075	2,454	856	

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

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

Table 6.—Wheat: Supply and disappearance, by classes, United States, 1986-89¹

Item	Year beginning June				Item	Year beginning June			
	1986	1987	1988	1989		1986	1987	1988	1989
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>		<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
All wheat:					Hard red spring:				
Stocks, June 1.....	1,905	1,821	1,261	702	Stocks, June 1.....	498	490	402	219
Production.....	2,091	2,108	1,812	2,037	Production.....	451	431	181	433
Supply ²	4,017	3,945	3,096	2,762	Supply ²	957	925	590	660
Exports ³	999	1,598	1,419	1,233	Exports ³	199	255	195	280
Domestic disappearance.....	1,197	1,086	975	992	Domestic disappearance.....	268	268	176	225
Stocks, May 31.....	1,821	1,261	702	536	Stocks, May 31.....	490	402	219	155
Hard red winter:					Durum:				
Stocks, June 1.....	1,009	973	567	302	Stocks, June 1.....	121	95	83	60
Production.....	1,017	1,019	882	711	Production.....	98	93	45	92
Supply.....	2,026	1,992	1,449	1,013	Supply ²	225	197	139	165
Exports ³	429	911	639	360	Exports ³	82	62	20	55
Domestic disappearance.....	624	514	507	438	Domestic disappearance.....	49	52	59	60
Stocks, May 31.....	973	567	302	215	Stocks, May 31.....	95	83	60	50
Soft red winter:					White:				
Stocks, June 1.....	79	77	75	39	Stocks, June 1.....	198	185	135	81
Production.....	292	349	473	549	Production.....	232	216	232	251
Supply.....	371	427	547	588	Supply ²	437	403	370	335
Exports ³	114	160	315	345	Exports ³	175	210	250	193
Domestic disappearance.....	180	192	193	212	Domestic disappearance.....	77	59	40	57
Stocks, May 31.....	77	75	39	32	Stocks, May 31.....	185	135	81	85

¹ Data except production are approximations. ² Total supply includes imports. ³ Imports and exports include flour and products in wheat equivalent.

Economic Research Service.

Table 7.—Wheat: Area, yield, and production, by States, 1988-90

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	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.....	270	300	280	200	220	190	43.0	30.0	35.0	8,600	6,600	6,650
AZ.....	87	120	100	85	118	98	90.9	90.9	94.6	7,730	10,722	9,266
AR.....	1,120	1,300	1,500	1,070	1,200	1,400	53.0	44.0	35.0	56,710	52,800	49,000
CA.....	590	731	675	549	675	614	84.3	77.9	78.0	46,275	52,605	47,906
CO.....	2,554	2,775	2,742	2,352	2,270	2,590	33.8	27.4	33.6	79,540	62,100	86,950
DE.....	65	80	65	63	74	60	52.0	42.0	51.0	3,276	3,108	3,060
FL.....	75	80	65	70	65	55	36.0	29.0	33.0	2,520	1,885	1,815
GA.....	575	800	650	500	700	590	43.0	32.0	35.0	21,500	22,400	20,650
ID.....	1,220	1,460	1,420	1,150	1,370	1,370	65.7	66.7	72.7	75,520	91,420	99,600
IL.....	1,300	1,850	2,100	1,250	1,780	1,900	54.0	59.0	48.0	67,500	105,020	91,200
IN.....	840	940	1,050	700	880	970	50.0	59.0	52.0	35,000	51,920	50,440
IA.....	60	80	80	35	70	75	35.0	47.0	45.0	1,225	3,290	3,375
KS.....	10,200	12,400	12,400	9,500	8,900	11,800	34.0	24.0	40.0	323,000	213,600	472,000
KY.....	550	630	700	380	450	500	54.0	50.0	40.0	20,520	22,500	20,800
LA.....	300	390	440	270	350	390	41.0	31.0	33.0	11,070	10,850	12,970
MD.....	180	230	200	170	215	190	53.0	40.0	52.0	9,010	8,600	9,880
MI.....	650	660	770	620	640	750	42.0	53.0	55.0	26,040	33,920	41,250
MN.....	2,520	2,765	2,960	2,250	2,699	2,865	23.0	38.0	48.4	51,730	102,504	138,620
MS.....	500	525	600	450	450	520	46.0	34.0	30.0	20,700	15,300	15,600
MO.....	1,650	1,970	2,150	1,550	1,850	2,000	49.0	47.0	38.0	75,950	86,950	76,000
MT.....	4,730	6,340	5,745	3,830	5,235	5,185	15.7	27.7	28.1	59,970	145,030	145,865
NE.....	2,300	2,550	2,450	2,000	2,050	2,250	36.0	27.0	38.0	72,000	55,350	85,500
NV.....	22	18	16	19	15	14	70.5	80.0	70.0	1,340	1,200	980
NJ.....	35	43	36	31	35	29	45.0	39.0	43.0	1,395	1,365	1,247
NM.....	520	550	520	290	200	325	24.0	20.0	25.0	6,960	4,000	8,125
NY.....	95	135	150	90	130	145	55.0	45.0	49.0	4,950	5,850	7,105
NC.....	510	680	600	480	630	550	50.0	34.0	41.0	24,000	21,420	22,550
ND.....	9,250	10,800	11,350	7,230	10,330	10,910	14.3	23.5	35.3	103,390	242,320	385,220
OH.....	1,000	1,260	1,400	920	1,230	1,350	50.0	51.0	59.0	46,000	62,730	79,650
OK.....	7,000	7,300	7,500	4,800	5,700	6,300	36.0	27.0	32.0	172,800	153,900	201,600
OR.....	800	950	1,010	755	920	968	68.6	58.5	59.5	51,800	53,835	57,616
PA.....	175	220	215	170	215	210	53.0	37.0	50.0	9,010	7,955	10,500
SC.....	320	460	400	305	435	380	46.0	41.0	38.0	14,030	17,835	14,440
SD.....	3,650	3,980	4,140	2,638	3,520	3,789	14.4	23.6	33.8	38,006	83,080	128,004
TN.....	530	540	580	430	450	490	50.0	42.0	36.0	21,500	18,900	17,640
TX.....	6,900	6,700	6,700	3,200	3,000	4,200	28.0	20.0	31.0	89,600	60,000	130,200
UT.....	184	190	185	177	177	176	38.2	33.6	40.7	6,768	5,950	7,170
VA.....	230	300	290	200	275	260	52.0	46.0	47.0	10,400	12,650	12,220
WA.....	2,170	3,100	2,600	2,060	2,270	2,480	60.5	48.7	60.5	124,820	110,610	150,080
WV.....	11	16	15	9	12	12	46.0	43.0	46.0	414	516	552
WI.....	150	212	205	133	180	192	38.7	51.8	52.5	5,152	9,320	10,085
WY.....	241	235	232	208	204	211	22.5	23.1	29.0	4,680	4,708	6,113
US.....	65,529	76,615	77,286	53,189	62,189	69,353	34.1	32.7	39.5	1,812,201	2,036,618	2,788,594

¹ Includes area seeded in preceding fall for winter wheat. ² Preliminary.
National Agricultural Statistics Service.

Table 8.—Wheat, by kinds: Area, yield, and production, by States, 1988–90

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
Winter 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
AL.....	270	300	280	200	220	190	43.0	30.0	35.0	8,600	6,600	6,650
AZ.....	96	35	55	35	34	54	98.0	93.0	95.0	3,430	3,162	5,130
AR.....	1,120	1,300	1,500	1,070	1,200	1,400	53.0	44.0	35.0	56,710	52,800	49,000
CA.....	530	625	620	490	570	560	83.0	77.0	76.0	40,670	43,890	42,560
CO.....	2,500	2,700	2,700	2,300	2,200	2,550	33.0	26.0	33.0	75,900	57,200	84,150
DE.....	65	80	65	63	74	60	52.0	42.0	51.0	3,276	3,108	3,060
FL.....	75	80	65	70	65	55	36.0	29.0	33.0	2,520	1,885	1,815
GA.....	575	800	650	500	700	590	43.0	32.0	35.0	21,500	22,400	20,650
ID.....	820	880	960	770	810	920	66.0	70.0	75.0	50,820	56,700	69,000
IL.....	1,300	1,850	2,100	1,250	1,780	1,900	54.0	59.0	48.0	67,500	105,020	91,200
IN.....	840	940	1,050	700	880	970	50.0	59.0	52.0	35,000	51,920	50,440
IA.....	60	80	80	35	70	75	35.0	47.0	45.0	1,225	3,290	3,375
KS.....	10,200	12,400	12,400	9,500	8,900	11,800	34.0	24.0	40.0	323,000	213,600	472,000
KY.....	550	630	700	380	450	500	54.0	50.0	40.0	20,520	22,500	20,000
LA.....	300	390	440	270	350	390	41.0	31.0	33.0	11,070	10,850	12,870
MD.....	180	230	200	170	215	190	53.0	40.0	52.0	9,010	8,600	9,880
MI.....	650	660	770	620	640	750	42.0	53.0	55.0	26,040	33,920	41,250
MN.....	75	135	130	60	120	85	24.0	38.0	30.0	1,440	4,560	2,550
MS.....	500	525	600	450	450	520	46.0	34.0	30.0	20,700	15,300	15,600
MO.....	1,650	1,970	2,150	1,550	1,850	2,000	49.0	47.0	38.0	75,950	86,950	76,000
MT.....	2,450	2,500	2,700	2,100	1,500	2,500	19.0	36.0	35.0	39,900	54,000	87,500
NE.....	2,300	2,550	2,450	2,000	2,050	2,250	36.0	27.0	38.0	72,000	55,350	85,500
NV.....	8	7	7	7	6	6	80.0	80.0	70.0	560	480	420
NJ.....	35	43	36	31	35	29	45.0	39.0	43.0	1,395	1,365	1,247
NM.....	520	550	520	290	200	325	24.0	20.0	25.0	6,960	4,000	8,125
NY.....	95	135	150	90	130	145	55.0	45.0	49.0	4,950	5,850	7,105
NC.....	510	680	600	480	630	550	50.0	34.0	41.0	24,000	21,420	22,550
ND.....	250	100	250	130	80	160	13.0	29.0	27.0	1,690	2,320	4,320
OH.....	1,000	1,260	1,400	920	1,230	1,350	50.0	51.0	59.0	46,000	62,730	79,650
OK.....	7,000	7,300	7,500	4,800	5,700	6,300	36.0	27.0	32.0	172,800	153,900	201,600
OR.....	700	840	950	660	815	910	71.0	60.0	60.0	46,860	48,900	54,600
PA.....	175	220	215	170	215	210	53.0	37.0	50.0	9,010	7,955	10,500
SC.....	320	460	400	305	435	380	46.0	41.0	38.0	14,030	17,835	14,440
SD.....	1,700	1,600	1,850	1,270	1,350	1,600	17.0	26.0	36.0	21,590	35,100	57,600
TN.....	530	540	580	430	450	490	50.0	42.0	36.0	21,500	18,900	17,640
TX.....	6,300	6,700	6,700	3,200	3,000	4,200	28.0	20.0	31.0	89,600	60,000	130,200
UT.....	160	165	155	155	155	150	36.0	32.0	40.0	5,580	4,960	6,000
VA.....	230	300	290	200	275	260	52.0	46.0	47.0	10,400	12,650	12,220
WA.....	1,850	2,100	2,300	1,750	1,300	2,200	62.0	53.0	63.0	108,500	68,900	138,600
WV.....	11	16	15	9	12	12	46.0	43.0	46.0	414	516	552
WI.....	140	200	195	125	170	185	40.0	53.0	53.0	5,000	9,010	9,805
WY.....	220	215	220	195	193	205	22.0	22.0	29.0	4,290	4,246	5,945
US.....	48,800	55,091	56,998	39,800	41,509	49,976	39.2	35.0	40.7	1,561,910	1,454,642	2,033,299
Durum wheat ³												
	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.....	51	85	45	50	84	44	86.0	90.0	94.0	4,300	7,560	4,136
CA.....	60	106	55	59	105	54	95.0	83.0	99.0	5,605	8,715	5,346
MN.....	45	30	30	40	29	30	21.0	36.0	44.0	840	1,044	1,320
MT.....	280	340	245	230	335	235	9.0	18.0	19.0	2,070	6,030	4,465
ND.....	2,800	3,100	3,100	2,400	3,000	3,050	13.0	22.0	34.0	31,200	66,000	103,700
SD.....	100	130	90	68	120	89	12.0	24.0	36.0	816	2,880	3,204
US.....	3,336	3,791	3,565	2,847	3,673	3,502	15.7	25.1	34.9	44,831	92,229	122,171

See footnotes at end of table.

Table 8.—Wheat, by kinds: Area, yield, and production, by States, 1988-90—Continued

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
Other spring 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>
CO.....	54	75	42	52	70	40	70.0	70.0	70.0	3,640	4,900	2,800
ID.....	400	580	460	380	560	450	65.0	62.0	68.0	24,700	34,720	30,600
MN.....	2,400	2,600	2,800	2,150	2,550	2,750	23.0	38.0	49.0	49,450	96,900	134,750
MT.....	2,000	3,500	2,800	1,500	3,400	2,450	12.0	25.0	22.0	18,000	85,000	53,900
NV.....	14	11	9	12	9	8	65.0	80.0	70.0	780	720	560
ND.....	6,200	7,600	8,000	4,700	7,250	7,700	15.0	24.0	36.0	70,500	174,000	277,200
OR.....	100	110	60	95	105	58	52.0	47.0	52.0	4,940	4,935	3,016
SD.....	1,850	2,200	2,200	1,300	2,050	2,100	12.0	22.0	32.0	15,600	45,100	67,200
UT.....	24	25	30	22	22	26	54.0	45.0	45.0	1,188	990	1,170
WA.....	320	1,000	300	310	970	280	52.0	43.0	41.0	16,120	41,710	11,480
WI.....	10	12	10	8	10	7	19.0	31.0	40.0	152	310	280
WY.....	21	20	12	13	11	6	30.0	42.0	28.0	390	462	168
US.....	13,398	17,733	16,723	10,542	17,007	15,875	19.5	28.8	36.7	205,460	489,747	583,124

¹ Area seeded in preceding fall for winter wheat. ² Preliminary. ³ 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, 1976-91

Marketing year June 1	Support price				Put under support ²		Acquired by CCC under support programs ³	Owned by CCC at end of marketing year
	Per bushel		Percentage of parity ¹		Quantity	Percentage of production		
	Loan	Target	Loan	Target			Million bushels	Percent	Million bushels	Million bushels
1976/77.....	<i>Dollars</i> 2.25	<i>Dollars</i> 2.29	<i>Percent</i> 46	<i>Percent</i> 47	499	23.3	48	⁴ 58
1977/78.....	2.25	⁵ 2.00	44	57	591	29.0	2	⁴ 48
1978/79.....	2.35	3.40	45	65	256	14.2		50
1979/80.....	2.50	3.40	48	65	182	8.5	⁶ 157	⁷ 200
1980/81.....	⁸ 3.00	⁵ 3.63	46	56	331	14.0		⁷ 196
1981/82.....	⁸ 3.20	3.81	45	54	452	16.1	13	⁷ 187
1982/83.....	⁸ 3.55	4.05	49	56	646	23.0	⁸ 148	⁷ 192
1983/84.....	3.65	4.30	49	58	635	⁸ 26.2	⁸ 220	⁷ 188
1984/85.....	3.30	4.38	44	58	285	10.9	244	⁷ 378
1985/86.....	3.30	4.38	47	62	842	34.7	288	⁷ 602
1986/87.....	2.40	4.38	36	65	514	24.5	473	⁷ 830
1987/88.....	2.28	4.38	34	65	472	22.4	147	⁷ 283
1988/89.....	2.21	4.23	31	60	106	5.9	45	⁷ 191
1989/90.....	2.06	4.10	27	55	113	5.5	62	⁷ 117
1990/91.....	1.95	4.00	25	51	405	14.8	90	⁷ 163
1991/92 ⁹	2.04	4.00	26	50				

¹ Percentage of parity price at beginning of marketing year. ² Represents loans made, purchases, and agreements entered into. ³ Acquisition of all loans forfeited during the marketing year including farmer-owned reserve and other loans made in previous years. ⁴ Uncommitted CCC inventory. ⁵ Reserve loan levels: 1981—\$3.30; 1982—\$3.50; 1983—\$4.00. Reserve loans for other years beginning with 1977 crop same as shown in table. Target Prices: 1978—\$2.47 on under-planted allotment acreage; 1981—\$3.08 available to producers on farms where plantings exceeded the NCA. ⁶ Acquired through direct purchases by CCC for future Food Security Reserves. ⁷ Includes 147 million bushels in Food Security Reserve, except 131 million bushels in 1988/89 and 71 million bushels in 1989/90. ⁸ Includes acquisitions for payment-in-kind (PIK) program entitlements. ⁹ Preliminary. Agricultural Stabilization and Conservation Service.

Table 10.—Wheat: Marketing year average price and value, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per bushel			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	3.30	3.50	3.05	28,380	23,100	20,283
AZ.....	3.94	4.14	3.46	30,465	44,396	32,025
AR.....	3.39	3.71	3.10	192,247	195,888	151,900
CA.....	3.82	3.82	3.30	176,669	201,132	158,100
CO.....	3.69	3.66	2.54	293,248	227,401	221,162
DE.....	3.57	3.45	2.90	11,695	10,723	8,874
FL.....	3.30	3.50	2.90	8,316	6,598	5,264
GA.....	3.21	3.70	3.00	69,015	82,880	61,950
ID.....	4.01	3.67	2.60	302,645	335,419	259,350
IL.....	3.50	3.80	2.75	236,250	399,076	250,800
IN.....	3.49	3.83	2.80	122,150	198,854	141,232
IA.....	3.82	3.80	2.75	4,680	12,502	9,281
KS.....	3.58	3.74	2.60	1,156,340	798,864	1,227,200
KY.....	3.60	3.64	2.75	73,872	81,900	55,000
LA.....	3.65	3.90	3.25	40,406	42,315	41,828
MD.....	3.65	3.55	2.90	32,887	30,530	28,652
MI.....	3.59	3.63	2.45	95,484	128,130	101,063
MN.....	3.79	3.63	2.50	196,087	372,152	346,687
MS.....	3.50	3.70	3.19	72,450	56,610	48,360
MO.....	3.45	3.72	2.70	262,028	323,454	205,200
MT.....	3.98	3.66	2.73	238,578	530,779	398,439
NE.....	3.66	3.75	2.65	263,520	207,563	228,575
NV.....	3.62	3.55	2.42	4,857	4,260	2,373
NJ.....	3.70	3.55	3.20	5,162	4,846	3,990
NM.....	3.45	3.68	2.80	24,012	14,720	22,750
NY.....	3.50	3.50	2.65	17,325	20,475	18,828
NC.....	3.40	3.40	3.00	81,600	72,828	67,650
ND.....	4.02	3.45	2.47	415,925	836,054	953,079
OH.....	3.73	3.74	2.70	171,580	234,610	215,055
OK.....	3.57	3.79	2.65	616,896	583,281	534,240
OR.....	4.27	3.99	2.75	221,186	214,802	158,444
PA.....	3.70	3.55	2.85	33,337	28,240	29,925
SC.....	3.40	3.55	3.00	47,702	63,314	43,320
SD.....	3.73	3.60	2.56	141,643	298,986	327,210
TN.....	3.44	3.65	3.05	73,960	68,985	53,802
TX.....	3.39	3.79	2.75	303,744	227,400	358,050
UT.....	3.82	3.74	2.85	25,834	22,263	20,435
VA.....	3.45	3.45	3.00	35,880	43,643	36,660
WA.....	4.19	4.04	2.75	522,158	446,864	412,720
WV.....	3.70	3.80	2.70	1,532	1,961	1,490
WI.....	3.28	3.50	2.50	16,899	32,620	25,213
WY.....	3.71	3.62	2.35	17,355	17,046	14,374
US.....	3.72	3.72	2.61	6,683,999	7,542,464	7,298,833

¹ Preliminary.

National Agricultural Statistics Service.

Table 11.—Wheat: Area, yield, and production in specified countries, 1988/89–1990/91¹

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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 and Central America:									
Canada.....	12,987	13,627	14,000	1.23	1.80	2.27	15,995	24,578	31,800
Guatemala.....	33	23	20	1.55	1.48	1.60	51	34	32
Mexico.....	800	950	950	4.00	4.21	4.11	3,200	4,000	3,900
United States.....	21,525	25,167	28,066	2.29	2.20	2.66	49,320	55,428	74,532
Total.....	35,345	39,767	43,036	1.94	2.11	2.56	68,566	84,040	110,264
South America:									
Argentina.....	4,700	5,450	5,900	1.79	1.86	1.86	8,400	10,150	11,000
Bolivia.....	90	100	100	.67	.70	.70	60	70	70
Brazil.....	3,450	3,355	2,700	1.68	1.65	1.16	5,800	5,550	3,142
Chile.....	540	583	523	3.26	2.95	3.19	1,760	1,717	1,670
Colombia.....	39	48	50	1.59	1.75	1.80	62	84	90
Ecuador.....	20	20	22	1.00	1.00	1.00	20	20	22
Paraguay.....	195	235	240	1.60	1.60	1.25	312	375	300
Peru.....	115	118	90	1.33	1.35	.94	153	159	85
Uruguay.....	170	280	230	2.29	1.68	1.91	390	470	440
Total.....	9,319	10,189	9,855	1.82	1.83	1.71	16,957	18,595	16,819
Europe:									
Belgium-Luxembourg.....	204	220	224	6.48	6.72	6.29	1,321	1,478	1,409
Denmark.....	309	446	536	6.73	7.23	7.38	2,080	3,224	3,953
France.....	4,807	5,000	5,180	6.15	6.42	6.51	29,540	32,100	33,700
Germany.....	2,508	2,547	2,430	6.23	5.69	6.27	16,622	14,482	15,242
Greece.....	880	890	880	2.61	2.23	1.91	2,300	1,984	1,680
Ireland.....	60	62	73	6.95	7.65	8.23	417	474	601
Italy.....	2,876	2,943	2,773	2.76	2.52	2.92	7,952	7,413	8,108
Netherlands.....	114	138	141	7.25	7.59	7.63	827	1,047	1,076
Portugal.....	294	334	180	1.34	1.81	1.49	394	605	268
Spain.....	2,333	2,295	2,006	2.65	2.27	2.34	6,173	5,200	4,700
United Kingdom.....	1,886	2,106	2,050	6.23	6.66	6.88	11,750	14,030	14,100
Total EC.....	16,271	16,981	16,473	4.82	4.83	5.15	78,376	82,037	84,837
Austria.....	292	278	278	5.34	4.90	5.05	1,560	1,363	1,404
Finland.....	109	151	180	2.61	3.36	3.48	285	507	627
Malta and Gozo.....	1	1	1	3.00	3.00	3.00	3	3	3
Norway.....	44	37	43	2.98	4.24	5.44	131	157	234
Sweden.....	251	285	335	5.16	6.14	6.70	1,295	1,750	2,243
Switzerland.....	91	94	90	5.98	6.48	6.28	544	609	565
Total Western Europe.....	17,059	17,827	17,400	4.82	4.85	5.17	82,194	86,426	89,913
Albania.....	180	180	180	3.00	3.00	2.50	540	540	450
Bulgaria.....	1,182	1,138	1,163	4.01	4.75	4.38	4,743	5,402	5,095
Czechoslovakia.....	1,250	1,241	1,241	5.24	5.12	5.41	6,550	6,356	6,715
Hungary.....	1,281	1,242	1,221	5.44	5.24	5.04	6,975	6,509	6,159
Poland.....	2,179	2,195	2,281	3.48	3.86	3.96	7,582	8,462	9,026
Romania.....	2,400	2,350	2,250	3.50	3.32	3.24	8,400	7,800	7,300
Yugoslavia.....	1,506	1,479	1,495	4.18	3.79	4.25	6,300	5,599	6,359
Total Eastern Europe.....	9,978	9,825	9,831	4.12	4.14	4.18	41,090	40,668	41,104
Total Europe.....	27,037	27,652	27,231	4.56	4.60	4.81	123,284	127,094	131,017
Soviet Union (Europe and Asia).....	48,058	47,676	48,200	1.76	1.94	2.24	84,445	92,307	108,000
Africa:									
Algeria.....	1,023	1,255	1,190	.60	.68	.63	615	850	750
Angola.....	7	7	5	.57	.57	.60	4	4	3
Chad.....	4	4	4	1.00	1.50	1.50	4	6	6
Egypt.....	597	630	740	4.76	5.05	5.79	2,839	3,183	4,286
Ethiopia.....	750	725	725	1.20	1.10	1.20	900	800	870
Kenya.....	114	110	100	2.15	2.14	1.85	245	235	185
Lesotho.....	27	27	25	.74	.74	.80	20	20	20
Libya.....	320	300	300	.42	.48	.48	135	145	145
Morocco.....	2,317	2,630	2,720	1.73	1.49	1.33	4,019	3,927	3,614

See footnotes at end of table.

Table 11.—Wheat: Area, yield, and production in specified countries, 1988/89–1990/91¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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
Africa—Con.									
Mozambique	2	2	4	1.00	1.00	1.25	2	2	5
Nigeria	40	50	50	1.25	1.20	1.00	50	60	50
South Africa, Republic of	1,985	1,831	1,701	1.78	1.11	1.00	3,535	2,026	1,702
Sudan	200	275	350	1.25	1.49	1.43	250	410	500
Tanzania, United Republic of	53	54	57	1.43	1.76	1.84	76	95	105
Tunisia	299	557	869	.74	.75	1.29	220	420	1,122
Zaire	12	13	13	1.33	1.31	1.31	16	17	17
Zambia	7	8	9	5.00	5.50	5.78	35	44	52
Zimbabwe	47	55	45	5.47	5.91	5.89	257	325	265
Total	7,804	8,533	8,907	1.69	1.47	1.54	13,222	12,569	13,697
Asia:									
Afghanistan	1,619	1,619	2,000	1.19	1.19	1.35	1,925	1,925	2,700
Bangladesh	560	592	600	1.82	1.50	1.83	1,020	890	1,100
Bhutan	13	13	13	1.54	1.54	1.54	20	20	20
Burma	124	125	125	1.85	1.60	1.60	230	200	200
China (Mainland)	28,793	29,841	30,800	2.97	3.04	3.18	85,432	90,807	98,000
Cyprus	14	13	5	2.00	.77	1.00	28	10	5
India	23,063	24,109	23,457	2.00	2.24	2.12	46,169	54,110	49,652
Iran	6,555	6,000	6,200	1.11	.92	1.13	7,265	5,525	7,000
Iraq	1,041	587	1,250	.89	.84	.92	929	491	1,150
Israel	93	90	90	2.27	2.23	2.89	211	201	260
Japan	282	284	260	3.62	3.47	3.66	1,021	985	952
Jordan	124	90	90	1.31	.96	.72	162	86	65
Korea, Democratic People's Rep. of	205	210	210	3.90	3.81	3.81	800	800	800
Korea, Republic of	1	1	1	2.00	1.00	1.00	2	1	1
Lebanon	10	10	10	1.40	1.40	2.00	14	14	20
Mongolia	475	475	475	1.34	1.37	1.26	635	650	600
Nepal	597	599	550	1.25	1.39	1.51	745	830	830
Pakistan	7,908	7,730	7,845	1.73	1.87	1.82	12,675	14,419	14,315
Saudi Arabia	710	730	710	4.51	4.39	5.07	3,200	3,208	3,600
Syria	1,100	744	1,100	1.88	1.21	1.57	2,067	900	1,726
Taiwan	1	1	1	3.00	4.00	3.00	3	4	3
Turkey	8,750	8,700	8,750	1.83	1.44	1.71	16,000	12,500	15,000
Yemen	75	75	77	1.27	1.20	1.26	95	90	97
Total	81,513	82,638	84,619	2.22	2.28	2.34	180,648	188,666	198,096
Oceania:									
Australia	8,903	9,004	9,216	1.58	1.58	1.67	14,060	14,214	15,402
New Zealand	53	38	43	4.30	3.55	4.30	228	135	185
Total	8,956	9,042	9,259	1.60	1.59	1.68	14,288	14,349	15,587
World total	218,032	225,497	231,107	2.30	2.38	2.57	501,410	537,620	593,480

¹ 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 1988 is combined with estimates for the Southern Hemisphere Harvests, which begin late in 1988 and end early in 1989.

² Harvested area as far as possible. ³ 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, 1976-90

Year beginning June	Wheat ¹		Flour (wheat equivalent)	Other products (wheat equivalent) ²	Total wheat, flour, and other products
	Suitable for milling	Unfit for human consumption			
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1976	1,298	20	32	1,381	2,731
1977	424	2	20	1,475	1,921
1978	18	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	7,596
1983	68	10	336	3,426	3,840
1984	4,825	3	329	4,283	9,440
1985	11,340	71	475	4,400	16,287
1986	14,837	984	416	5,013	21,250
1987	9,020	969	755	5,342	16,086
1988	15,851	n.a.	539	6,259	22,649
1989	13,548	n.a.	533	9,366	23,447
1990		n.a.			

¹ Starting January 1989, Census ceased reporting wheat suitable for milling and unfit for human consumption.

² Includes macaroni, semolina, and similar products. Beginning in 1988/89 total wheat grain is reported under the suitable for milling column. n.a. not available.

Economic Research Service.

Table 13.—Wheat and flour: United States exports under specified Government programs, 1976-89

Year ¹	Local currency ²	Public Law 480			Foreign Donations Sec. 416 ⁶	Mutual security (AID) ⁷	Total specified Government programs
		Title I sales	Title II donations				
		Long-term dollar and convertible foreign currency credit sales ³	Government-to-government and World Food Program ⁴	Voluntary relief agencies ⁵			
		1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
(⁸)		(44,350)	(2,752)	(1,526)		(6,481)	(55,109)
1976		133,504	8,887	17,842		15,836	158,277
1977		119,225	6,213	11,487		12,520	149,545
1978		126,819	5,968	9,808		243	142,838
1979		107,238	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
1987	3,181	111,996	14,804	16,119	44,173	10,713	200,986
1988	4,103	91,596	13,111	12,473	5,044	30,168	161,496
1989							

¹ Year beginning July 1 for 1976-77 and Oct. 1 beginning 1977.

² Authorized by the Food Security Act of 1985.

³ Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480 amended by P.L. 89-808.

⁴ Authorized by Title II, P.L. 480.

⁵ 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.

⁶ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984, and the Food Security Act of 1985.

⁷ Foreign Assistance Act of 1961, as amended.

⁸ Transition quarter July 1, 1977

to Sept. 30, 1977.

Economic Research Service.

Table 14.—Wheat and flour: ¹ International trade, 1988-90

Country	Year beginning July					
	1988		1989		1990 ²	
	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
Principal exporters:						
Canada	13,524	0	17,000	0	17,500	0
United States ³	37,583	759	33,516	637	28,500	950
Argentina	3,474	0	5,609	0	6,000	0
Australia	10,816	0	10,757	0	11,000	0
Bulgaria	352	100	450	50	300	700
France	18,443	350	18,200	230	17,250	200
Romania	250	0	300	0	100	700
Sweden	233	53	668	49	1,150	40
Turkey	2,266	686	194	3,686	600	400
Greece	1,200	270	850	375	550	450
Hungary	2,000	0	1,700	0	1,500	0
Germany	4,294	2,300	3,050	2,200	4,000	3,100
Total ⁴	94,435	4,518	92,294	7,227	88,450	6,540
Principal importers:						
Cuba	0	1,100	0	1,200	0	1,250
Brazil	0	800	0	1,500	0	3,500
Peru	0	700	0	747	0	800
Belgium and Luxembourg	950	1,450	1,045	1,332	1,150	1,556
Netherlands	532	1,796	529	1,514	550	1,539
United Kingdom	2,200	1,155	3,700	800	3,750	800
Yugoslavia	685	12	982	11	500	50
Spain	350	250	475	200	400	1,150
Egypt	0	7,000	0	7,000	0	6,500
India	20	1,900	20	100	600	100
Indonesia	0	1,500	0	1,850	0	2,000
Israel	0	600	0	650	0	680
Japan	370	5,405	364	5,630	365	5,600
Korea, Rep. of	0	2,822	0	2,000	0	4,000
Malaysia	42	715	45	700	50	880
Pakistan	0	2,400	0	2,000	0	920
Philippines	0	1,200	0	1,230	0	1,650
Italy	3,600	5,500	2,700	5,100	2,550	5,000
Soviet Union	500	15,500	500	14,600	500	12,000
Algeria	0	4,200	0	4,300	0	4,600
Morocco	0	1,300	0	1,006	0	1,700
Syria	0	830	0	1,400	0	1,400
Tunisia	0	1,100	0	866	0	850
Poland	0	2,000	0	1,370	50	500
China (Mainland)	0	15,500	0	13,000	0	10,000
Taiwan	0	948	0	870	0	940
Portugal	0	650	0	397	0	800
South Africa	700	0	500	150	150	700
Saudi Arabia	2,000	127	1,700	130	2,000	100
Sri Lanka	0	650	0	800	0	800
Venezuela	0	1,045	0	870	0	1,000
Vietnam	0	400	0	400	0	400
Total ⁴	11,949	80,555	12,560	73,723	12,615	73,765

¹ Flour reported in terms of grain equivalent. ² Preliminary. ³ United States exports exclude exports of flour milled in bond from imported wheat. ⁴ 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: ¹ United States exports (domestic) by country of destination, 1988 and 1989/90

Country of destination	Year ²		Country of destination	Year ²	
	1988	1989/90		1988	1989/90
	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons
Wheat:			Wheat flour, wholly of U.S. wheat:		
Mexico.....	474.2	321.8	Central America.....	14.9	5.0
Central America.....	586.4	739.5	Jamaica.....	35.9	0
Caribbean.....	617.9	552.9	Trinidad and Tobago.....	1.0	.8
Brazil.....	100.1	33.1	Other Caribbean.....	71.4	75.9
Chile.....	3.2	47.5	Bolivia.....	49.4	43.4
Colombia.....	401.8	429.1	Brazil.....		
Ecuador.....	375.5	385.4	Chile.....	1.7	0
Peru.....	186.4	206.2	Colombia.....	.9	.7
Venezuela.....	594.7	693.8	Guyana.....		
Other Americas.....			Other Americas.....	36.0	106.3
Total Americas.....	2,909.0	2,988.4	Total Americas.....	211.3	232.1
Belgium and Luxembourg....	199.2	140.8	Greece.....		
France.....	.2	.1	Netherlands.....	1.0	.5
Germany, Fed. Rep. of.....	.1	.1	Portugal.....	6.2	0
Italy.....	406.0	450.2	Other Europe.....	4.2	2
Netherlands.....	0	1.4	Total Europe.....	11.2	2.5
Norway.....	50.7	.1	Sri Lanka.....	0	53.8
Portugal.....	108.2	145.1	Japan.....	.2	.4
Spain.....	16.8	17.3	Jordan.....	2.4	2.4
Switzerland.....	.4	1.6	Korea, Rep. of.....	0	.1
United Kingdom.....	19.1	25.3	Lebanon.....		
Other Europe.....	168.6	135.6	Philippines.....	24.0	5.1
Soviet Union.....	5,164.5	3,738.6	Saudi Arabia.....	0	0
Total Europe and Soviet Union.....	6,133.6	4,656.2	Other Asia.....	355.8	96.7
India.....	609.5	36.7	Total Asia.....	382.4	280.0
Iran.....			Egypt.....	843.1	618.3
Israel.....	500.4	469.4	Morocco.....	24.2	18.3
Japan.....	2,682.2	2,923.7	Other Africa.....	136.5	113.2
Korea, Rep. of.....	1,679.6	1,584.9	Total Africa.....	1,003.8	749.8
Lebanon.....			Oceania.....	3.1	3.5
Pakistan.....	1,826.6	1,181.4	World total.....	1,611.7	1,205.9
Pakistan.....	1,045.8	860.1	Relief or charity ³		
Philippines.....	26.3	0			
Syria.....	8,274.0	3,825.8			
China.....	749.1	714.6			
Taiwan.....	440.1	251.7			
Turkey.....	3,694.1	2,772.7			
Other Asia.....	1,119.6	700.8			
Algeria.....	912.4	530.6			
Morocco.....	0	100.5			
South Africa.....	198.0	294.0			
Tunisia.....	3,504.9	3,075.0			
Other Africa.....	1,438.8	1,238.4			
Other countries.....					
World total.....	37,744.1	28,098.7			
Relief or charity ³					

¹ Flour reported in terms of grain equivalent. ² Year beginning Oct. 1. ³ Discontinued on Census code after 1988.

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 1988-89 ¹

Member country imports	Member country exports						Grand total
	United States	Canada	European Community	Australia	Argentina	Other	
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	
Austria.....			0.4			79	79.4
Barbados.....	21.6	2.3	.06				24.0
Bolivia.....	244.3	16.9	20.6		10.2		292.0
Brazil.....		14.3			757.4		771.7
Costa Rica.....	158.1	.9	.4				159.4
Cuba.....		602.4	630.7		49.8	.5	1,283.5
Dominican Republic.....	196.7						196.7
Ecuador.....	368.7	2.8					371.5
Egypt.....	3,653.3	7.2	1,528.9	1,991.9		5.8	7,187.2
El Salvador.....	239.8	1.6					241.5
European Community:							
Belgium.....	100.8	182.1				.1	233.0
Denmark.....	.01					.01	.02
France.....						11.6	11.6
Germany, Fed. Rep. of.....		10.7		.3		16.5	27.5
Italy.....	354.6	405.9				69.9	830.4
Netherlands.....	101.1					.4	101.5
United Kingdom.....	4.4	459.4		.01			463.8
Greece.....							0
Portugal.....	150.1	147.4				324.4	621.9
Spain.....							0
Finland.....	68.5	13.6	16.8			21.6	120.5
Guatemala.....	177.5	2.2					179.7
India.....	1,863.3	14.6	.5				1,878.4
Iran.....		136.5	1,255.9	1,471.3	347.7	38.2	3,249.6
Iraq.....	859.5	783.6	229.7	1,490.7		66	3,429.6
Israel.....	397.4		33.8			65.1	496.2
Japan.....	2,948.3	1,415.9	5.2	1,006.6			5,376.0
Kenya.....	73.7		12.1	21		82.8	189.2
Korea, Rep. of.....	1,871.6	38.2	300.5		173.6	174.8	2,558.7
Lebanon.....	8.8	1.9	20.3			90.8	121.7
Libya.....		78.4	613.6			26.4	718.4
Malta.....			8.5			24.5	33.0
Mauritius.....	10.7	1.3	53.9	14.4			80.3
Morocco.....	1,019.7	62.1	280.7				1,362.5
Nigeria.....			6.7				6.7
Norway.....	25.2	95.8	97.5		55.0	46.0	319.5
Pakistan.....	1,807.4	78.1	149.3	222.5			2,257.3
Panama.....	80.0		.05				80.1
Peru.....	517.1		30.2		377.3		924.6
Saudi Arabia.....			.05				.05
South Africa.....			.9	.5			1.4
Sweden.....			5.4			1.2	6.6
Switzerland.....	46.4	84	117.7			14.9	263
Syria.....	30.9	6.9	620.3			120.1	778.2
Trinidad and Tobago.....	75.4	2.3	31.8				109.5
Tunisia.....	276.3	33	498.8				943
Turkey.....	51.2		.02			46.8	98.1
United Kingdom ²							
Territories.....	112.9	15.1	1.2	2.0		228.0	359.3
United States.....		352.1	1.1				353.3
Soviet Union.....	4,589.3	2,747.7	4,521.3	249.9	612.7	1,905.4	14,626.5
Vatican City.....			.3				.3
Venezuela.....	560.4	352.8			112.5		1,025.7
Others.....							
Total.....	39,085.5	13,750.7	19,381.8	10,848.1	3,416.2	7,009.8	93,492.1

¹ Data in this table are limited to exports and imports of wheat and flour during July 1, 1988 through June 30, 1989 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. ² 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, 1976-90

Year	Area		Yield per harvested acre	Production	Used on farms where produced for seed and fed to livestock	Sold	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
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.....	2,839	850	25.7	21,887	4,521	17,868	2.07	46,086
1980.....	2,488	650	24.6	15,958	(³)	(³)	2.63	41,988
1981.....	2,566	685	26.6	18,187	(³)	(³)	3.00	55,004
1982.....	2,533	677	28.9	19,533	(³)	(³)	2.40	47,460
1983.....	2,707	892	30.3	27,008	(³)	(³)	2.17	60,074
1984.....	2,971	979	33.1	32,407	(³)	(³)	1.79	68,828
1985.....	2,543	708	28.8	20,373	(³)	(³)	2.03	41,902
1986.....	2,334	661	28.8	19,067	(³)	(³)	1.49	29,159
1987.....	2,428	671	29.1	19,526	(³)	(³)	1.63	31,641
1988.....	2,374	595	24.7	14,689	(³)	(³)	2.52	37,006
1989.....	2,014	484	28.2	13,647	(³)	(³)	2.06	28,099
1990 ⁴	1,625	373	27.1	10,098	(³)	(³)	2.10	21,158

¹ Area planted in preceding fall. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ³ Estimates discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 18.—Rye: Supply and disappearance, United States, 1976-90

Year beginning June	Supply				Disappearance								Ending stocks May 31
	Beginning stocks	Production	Imports	Total	Domestic use					Exports	Total disappearance		
					Food	Seed	Industry	Feed ¹	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	
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	19,533	3,000	25,600	3,300	4,400	2,300	9,600	19,600	200	19,800	5,800	
1983.....	5,800	27,008	1,600	34,408	3,500	4,700	2,100	11,900	22,200	1,000	23,200	11,208	
1984.....	11,208	32,407	600	44,215	3,500	4,100	2,000	14,415	24,015	400	24,415	19,800	
1985.....	19,800	20,373	2,200	42,373	3,500	3,800	2,100	10,904	20,304	200	20,504	21,869	
1986.....	21,869	19,067	1,000	41,936	3,500	3,700	2,000	13,653	22,853	500	23,353	18,583	
1987.....	18,583	19,526	1,204	39,313	3,500	3,800	2,000	10,601	19,901	500	20,401	18,912	
1988.....	18,912	14,689	200	33,801	3,500	3,200	2,000	11,401	20,101	3,400	23,501	10,300	
1989.....	10,300	13,482	100	23,882	3,500	3,000	2,000	8,940	17,440	800	18,240	5,642	
1990 ²	5,600	10,100	2,800	18,500	3,500	3,000	2,000	6,700	15,200	300	15,500	3,000	

¹ Residual, approximates total feed use. ² Preliminary. Economic Research Service.

Table 19.—Rye: Area, yield, and production, by States, 1988-90

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	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.....	18	25	15	6	4	3	25.0	20.0	28.0	150	80	84
DE.....	18	17		4	2		31.0	35.0		124	70	
GA.....	350	320	300	70	70	60	27.0	23.0	22.0	1,890	1,610	1,320
IL.....	60	50	45	5	8	5	28.0	39.0	33.0	140	312	165
IN.....	50	45	30	7	6	4	30.0	34.0	31.0	210	204	124
IA.....	30	25		5	5		30.0	37.0		150	185	
KS.....	40	45	35	5	5	5	26.0	16.0	26.0	130	80	130
KY.....	45	50		4	2		26.0	32.0		104	64	
MD.....	58	40	45	10	8	7	29.0	27.0	30.0	290	216	210
MI.....	135	120	135	25	25	20	26.0	33.0	29.0	650	825	580
MN.....	75	60	55	40	32	28	23.0	34.0	31.0	920	1,088	868
MO.....	25	25		8	3		32.0	30.0		256	90	
NE.....	250	160	110	55	30	30	25.0	20.0	25.0	1,375	600	750
NJ.....	60	47	50	10	7	6	31.0	26.0	24.0	310	182	144
NY.....	100	80	60	12	15	10	33.0	32.0	26.0	396	480	260
NC.....	140	150	100	30	25	15	26.0	21.0	23.0	780	525	345
ND.....	130	45	35	90	38	26	15.0	28.0	30.0	1,350	1,064	780
OH.....	40	40	40	5	5	5	37.0	31.0	35.0	185	155	175
OK.....	130	100	95	30	28	18	24.0	19.0	19.0	720	532	342
OR.....	15	20		3	3		25.0	25.0		75	75	
PA.....	70	70	60	19	18	16	36.0	32.0	31.0	684	576	496
SC.....	75	80	60	30	28	27	24.0	23.0	22.0	720	644	594
SD.....	120	100	60	90	90	55	25.0	36.0	34.0	2,250	3,240	1,870
TX.....	150	90	100	10	7	10	15.0	18.0	14.0	150	126	140
VA.....	150	140	110	16	8	8	35.0	33.0	32.0	560	264	256
WI.....	40	70	85	6	12	15	20.0	30.0	31.0	120	360	465
US.....	2,374	2,014	1,625	595	484	373	24.7	28.2	27.1	14,689	13,647	10,098

¹ Relates to the total area of rye sown for all purposes; area planted in preceding fall.

² Preliminary.

National Agricultural Statistics Service.

Table 20.—Rye: Marketing year average price and value, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per bushel			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	2.15	1.65	1.70	323	132	143
DE.....	2.05	2.85		254	200	
GA.....	2.61	2.26	2.25	4,933	3,639	2,970
IL.....	2.90	2.10	2.10	406	655	347
IN.....	2.65	2.10	2.20	557	428	273
IA.....	2.36	1.80		354	333	
KS.....	2.15	1.70	1.50	280	136	195
KY.....	2.35	1.71		244	109	
MD.....	2.01	2.85	2.35	583	616	494
MI.....	2.70	1.70	1.65	1,755	1,403	957
MN.....	1.97	1.66	1.65	1,812	1,806	1,432
MO.....	3.00	2.80		768	252	
NE.....	2.40	1.90	2.10	3,300	1,140	1,575
NJ.....	3.25	3.35	3.45	1,008	610	497
NY.....	2.35	2.55	2.55	931	1,224	663
NC.....	2.95	2.90	2.20	2,301	1,523	759
ND.....	1.77	1.67	1.60	2,390	1,777	1,248
OH.....	4.00	3.50	3.50	740	543	613
OK.....	3.35	2.00	2.40	2,412	1,064	821
OR.....	2.34	1.90		176	143	
PA.....	3.55	3.25	3.25	2,428	1,872	1,612
SC.....	2.85	2.05	2.30	2,052	1,320	1,366
SD.....	2.12	1.70	1.75	4,770	5,508	3,273
TX.....	2.70	2.05	2.20	405	258	308
VA.....	2.70	2.40	2.30	1,512	634	589
WI.....	2.60	2.15	2.20	312	774	1,023
US.....	2.52	2.06	2.10	37,006	28,099	21,558

¹ Preliminary.
National Agricultural Statistics Service.

Table 21.—Rye: Price-support operations, United States, 1976-91

Marketing year June 1	Support price		Put under support ²		Acquired by CCC under support program ³	Owned by CCC at end of the marketing year
	Per bushel	Percentage of parity ¹	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>
1976/77.....	1.20	48	0.1	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	(*)
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	2.6	15.6
1987.....	1.55	38	8.6	43.4	1.6	15.8
1988.....	1.50	37	.3	⁴ 2.0	⁴ .8	⁴ 8.2
1989.....	1.40	32	⁵ .6	⁵ 4.4	⁵ .5	⁵ 2.6
1990.....	1.33	⁵ 31	⁵ .2	⁵ 2.0	⁵ .5	⁵ 1.0
1991.....	1.38					

¹ Percentage of parity price as of the beginning of the marketing year. ² Includes loans made, purchases, and purchase agreements entered into. ³ Acquisitions of all loans forfeited during the marketing year including loans made in previous years. ⁴ Less than 100,000 bushels. ⁵ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 22.—Rye: Area, yield, and production in specified countries, 1988/89–1990/91¹

Continent and country	Area ²			Yield per hectares			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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.....	257	501	540	1.04	1.74	1.74	267	873	940
United States.....	241	196	151	1.55	1.77	1.70	373	347	257
Total.....	498	697	691	1.29	1.75	1.73	640	1,220	1,197
South America:									
Argentina.....	55	84	101	.76	.83	.95	42	70	96
Brazil.....	2	4	5	1.00	1.00	1.00	2	4	5
Chile.....	5	5	5	2.00	2.00	2.00	10	10	10
Total.....	62	93	111	.87	.90	1.00	54	84	111
Europe:									
Belgium-Luxembourg.....	11	11	13	5.09	5.09	4.85	56	56	63
Denmark.....	81	101	110	4.52	4.82	4.95	366	487	544
France.....	75	75	65	3.47	3.60	3.69	260	270	240
Germany.....	997	1,013	1,056	3.43	3.86	3.78	3,419	3,915	3,989
Greece.....	15	15	15	2.07	2.00	2.00	31	30	30
Italy.....	8	8	8	2.25	2.63	2.63	18	21	21
Netherlands.....	7	7	9	4.00	4.71	4.00	28	33	36
Portugal.....	121	122	98	.64	.80	.79	77	98	77
Spain.....	222	227	206	1.61	1.48	1.33	357	336	274
United Kingdom.....	7	7	7	4.71	5.14	5.14	33	36	36
Total EC.....	1,544	1,586	1,587	3.01	3.33	3.35	4,645	5,282	5,310
Austria.....	88	91	93	4.05	4.19	4.26	356	381	396
Finland.....	26	69	81	1.88	2.84	3.01	49	196	244
Norway.....	1	1	1	1.00	3.00	3.00	1	3	3
Sweden.....	36	68	71	3.56	4.69	4.72	128	319	335
Switzerland.....	4	4	4	4.50	5.50	5.00	18	22	20
Total Western Europe.....	1,699	1,819	1,837	3.06	3.41	3.43	5,197	6,203	6,308
Albania.....	12	12	12	.83	.83	1.00	10	10	12
Bulgaria.....	30	30	30	1.67	1.50	1.50	50	45	45
Czechoslovakia.....	155	175	171	3.42	4.05	4.26	530	708	729
Hungary.....	97	97	92	2.53	2.06	2.46	245	200	226
Poland.....	2,874	2,924	3,063	2.52	2.95	2.86	7,232	8,620	8,765
Romania.....	40	40	35	1.50	1.95	1.94	60	78	68
Yugoslavia.....	40	37	38	1.90	2.03	1.89	76	75	72
Total Eastern Europe.....	3,248	3,315	3,441	2.53	2.94	2.88	8,203	9,736	9,917
Total Europe.....	4,947	5,134	5,278	2.71	3.10	3.07	13,400	15,939	16,225
Soviet Union (Europe and Asia).....	10,115	10,745	10,400	1.83	1.87	2.02	18,517	20,057	21,000
Africa:									
South Africa, Republic of.....	20	20	20	.15	.15	.15	3	3	3
Asia:									
Turkey.....	215	210	200	1.67	1.52	1.65	360	320	330
Oceania:									
Australia.....	25	29	32	.48	.38	.56	12	11	18
World total.....	15,882	16,928	16,732	2.08	2.22	2.32	32,986	37,634	38,884

¹ 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.

² Harvested area as far as possible. ³ 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, 1976-90

Year	Area planted	Area harvested	Yield per acre	Production	Used on farms where produced	Sold	Marketing year average price per cwt. received by farmers ¹	Value of production ¹
	<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>
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	1,385,993
1980.....	3,380.0	3,312.0	4,413	146,150	(²)	(²)	12.80	1,874,007
1981.....	3,827.0	3,792.0	4,819	182,742	(²)	(²)	9.05	1,654,413
1982.....	3,295.0	3,282.0	4,710	153,637	(²)	(²)	7.91	1,246,608
1983.....	2,190.0	2,169.0	4,598	99,720	(²)	(²)	8.57	874,004
1984.....	2,830.0	2,802.0	4,954	138,810	(²)	(²)	8.04	1,119,373
1985.....	2,512.0	2,492.0	5,414	134,913	(²)	(²)	6.53	899,377
1986.....	2,381.0	2,360.0	5,651	133,356	(²)	(²)	3.75	498,505
1987.....	2,356.0	2,393.0	5,555	129,603	(²)	(²)	7.27	971,167
1988.....	2,933.0	2,900.0	5,514	159,897	(²)	(²)	6.83	1,091,817
1989.....	2,731.0	2,687.0	5,749	154,487	(²)	(²)	7.35	1,134,039
1990 ³	2,887.0	2,813.0	5,507	154,919	(²)	(²)	6.40	991,482

¹ Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1982. ² Estimates discontinued. ³ Preliminary.
National Agricultural Statistics Service.

Table 24.—Rice, rough: Stocks on and off farms, United States, 1976-91

Year	On farms			Off farms ¹		
	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>
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	67,823	53,139	24,515
1980.....	31,021	12,030	563	72,897	55,368	19,530
1981.....	26,179	5,977	208	69,934	43,815	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	105,746	93,985	68,916
1987.....	³ 36,264	⁴ 19,561	984	³ 109,276	⁴ 87,225	40,819
1988.....	³ 29,789	⁴ 10,104	1,242	³ 85,631	⁴ 65,494	22,506
1989.....	³ 39,581	⁴ 27,266	1,176	³ 92,107	⁴ 62,784	17,411
1990.....	³ 40,040	⁴ 15,965	599	³ 76,333	⁴ 61,989	18,554
1991 ²	37,662	19,345	.....	75,505	53,082	.....

¹ Stocks at mills and in attached warehouses, in warehouses not attached to mills, and in ports or in transit.

² Preliminary. ³ Estimate for December 1, previous year. ⁴ Estimate for March 1.

National Agricultural Statistics Service.

Table 25.—Rice, by length of grain: Area, yield, and production, United States, 1976-90

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
	<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>
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	36,454	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	1,698.0	594.0	41.0	5,241	6,339	7,212	88,995	37,651	2,957
1988	2,233.0	616.0	51.0	5,345	5,989	7,141	119,364	36,891	3,642
1989	1,998.0	638.0	51.0	5,464	6,495	7,618	109,161	41,441	3,885
1990 ¹	2,071.0	718.0	24.0	5,225	6,256	7,413	108,220	44,920	1,779

¹ Preliminary.

National Agricultural Statistics Service.

Table 26.—Rice, rough, by length of grain: Stocks in all positions, United States, 1976-91

Year	Long grain				Medium grain				Short grain			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 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>	<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>
1976	40,705	24,749	14,260	.....	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	.....	30,878	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	101,367	81,916	45,630	2,668	35,754	29,646	22,244	12,749	5,362	4,655	3,073	1,464
1987	² 101,298	³ 70,224	22,397	1,721	² 38,864	³ 32,779	18,034	11,454	² 5,378	³ 3,783	1,372	675
1988	² 72,008	³ 44,715	14,349	374	² 39,535	³ 28,498	8,559	3,627	² 3,877	³ 2,385	840	269
1989	² 94,594	³ 64,091	11,405	826	² 33,229	³ 25,290	6,091	1,387	² 3,865	³ 2,669	1,091	501
1990	² 78,791	³ 50,498	8,711	1,187	² 33,051	³ 24,059	8,658	1,698	² 4,531	³ 3,397	1,784	1,272
1991 ⁴	72,196	44,479	.....	.....	33,051	26,139	.....	.....	4,531	1,809	.....	.....

¹ California only. ² Estimate for December 1, previous year. ³ Estimate for March 1. ⁴ Preliminary. National Agricultural Statistics Service.

Table 27.—Rough rice and milled rice (rough equivalent): Supply and disappearance, United States, 1976-90 ¹

Year beginning August	Supply				Disappearance						Statistical discrepancies ³	Ending stocks July 31
	Beginning stocks	Production	Imports	Total	Domestic use				Exports ²	Total disappearance		
					Food	Brewers use	Seed	Total				
	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.	Mil-lion cut.
1976	36.9	115.6	0.1	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	49.0
1982	49.0	153.6	.7	203.3	37.3	13.5	3.2	54.0	65.9	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	53.1	15.0	2.6	70.7	84.2	154.9	7.0	51.4
1987	51.4	129.6	3.0	184.0	55.3	15.4	3.2	73.9	72.2	145.1	6.5	31.4
1988	31.4	159.9	3.7	195.0	57.7	15.6	3.0	76.3	85.9	162.2	6.0	26.7
1989	26.7	154.5	4.2	185.4	60.9	15.3	3.2	79.4	76.8	156.2	3.0	26.3
1990 ⁴	26.3	154.9	4.8	186.0	65.0	15.6	3.2	83.8	73.0	156.8	5.0	24.2

¹ 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. ² 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. ³ Results from losses in drying, storage, handling, and milling and from errors in estimation. ⁴ Less than 50,000 cwt.

⁵ Preliminary.

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

Table 28.—Rice, by length of grain: Area, yield, and production, by States, 1988-90

State	Area harvested			Yield per acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
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.....	1,075.0	1,080.0	1,071.0	5,340	5,580	4,950	57,447	57,458	53,034
CA.....	60.0	30.0	24.0	7,000	7,500	7,200	4,200	2,250	1,725
LA.....	388.0	295.0	304.0	4,520	4,450	4,870	17,538	13,123	14,805
MS.....	250.0	235.0	250.0	5,310	5,700	5,700	13,275	13,395	14,250
MO.....	30.0	78.0	79.0	5,100	5,200	4,700	4,080	4,056	3,713
TX.....	380.0	330.0	343.0	6,010	5,720	6,030	22,824	18,374	20,690
US.....	2,233.0	1,998.0	2,071.0	5,345	5,464	5,225	119,364	109,161	108,220
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.....	134.0	109.0	128.0	5,400	5,800	5,400	7,236	6,322	6,912
CA.....	315.0	330.0	338.0	7,000	7,974	7,635	22,050	26,315	25,807
LA.....	147.0	190.0	241.0	4,450	4,400	4,840	6,542	8,360	11,664
MS.....	10.0			5,050			505		
MO.....	2.0	1.0	1.0	5,100	5,200	4,700	102	52	47
TX.....	8.0	8.0	10.0	5,700	4,900	4,900	456	392	490
US.....	616.0	638.0	718.0	5,989	6,495	6,256	36,891	41,441	44,920
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.....	1.0	1.0	1.0	5,200	6,000	5,400	52	60	54
CA.....	50.0	50.0	23.0	7,180	7,650	7,500	3,590	3,825	1,725
US.....	51.0	51.0	24.0	7,141	7,618	7,413	3,642	3,885	1,779

¹ Preliminary.

National Agricultural Statistics Service.

Table 29.—Rice: Area, yield, and production, by States, 1988-90

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	1,220.0	1,150.0	1,240.0	1,210.0	1,140.0	1,200.0	5,350	5,600	5,000	64,735	63,840	60,000
CA.....	430.0	415.0	390.0	425.0	410.0	385.0	7,020	7,900	7,600	29,340	32,390	29,260
LA.....	545.0	505.0	555.0	535.0	485.0	545.0	4,500	4,430	4,860	24,080	21,488	26,469
MS.....	265.0	240.0	255.0	260.0	235.0	250.0	5,300	5,700	5,700	13,780	13,395	14,250
MO.....	83.0	81.0	92.0	82.0	79.0	80.0	5,100	5,200	4,700	4,182	4,108	3,760
TX.....	390.0	340.0	355.0	388.0	338.0	353.0	6,000	5,700	6,000	23,280	19,266	21,180
US.....	2,933.0	2,731.0	2,887.0	2,900.0	2,687.0	2,813.0	5,514	5,749	5,507	159,897	154,487	154,919

¹ Preliminary.

National Agricultural Statistics Service.

Table 30.—Rice, milled, by length of grain: Stocks in all positions, United States, 1976-91

Year	Whole kernels (head rice)											
	Long grain				Medium grain				Short grain			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹
	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.
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	3,949	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	.....	1,025	1,862	1,917	287	289	751	527	176
1983	3,715	3,855	3,157	.....	22	1,027	1,779	1,957	420	458	124	105
1984	3,940	3,943	2,703	.....	18	1,192	2,104	1,186	131	197	61	68
1985	3,255	4,049	2,218	.....	31	1,245	614	600	1,752	54	124	24
1986	1,988	1,370	2,607	.....	31	662	317	624	1,061	50	89	113
1987	2 2,379	3 2,090	3,540	.....	63	2 584	3 492	1,015	785	2 218	3 29	194
1988	2 3,328	3 4,661	3,301	.....	82	2 656	3 1,254	964	534	2 50	3 136	48
1989	2 3,779	3 5,268	2,375	.....	86	2 914	3 865	1,139	672	2 50	3 36	131
1990	2 3,099	3 3,640	3,286	.....	63	2 392	3 1,041	779	462	2 74	3 85	85
1991 ⁴	2,959	2,141	.....	.....	859	1,660	.....	.....	94	90	.....	.....

Year	Broken kernels ⁵											
	Second heads				Screenings				Brewers			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹
	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.
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	872	586	605	147	99	108	66	.....	402	371	216	60
1986	1,301	908	772	315	106	37	79	.....	489	398	448	175
1987	2 1,122	3 1,210	1,290	89	2 167	3 144	221	.....	2 719	3 594	584	106
1988	2 1,389	3 1,041	690	146	2 243	3 304	85	.....	2 524	3 576	241	30
1989	2 1,141	3 849	995	110	2 128	3 48	222	.....	2 266	3 214	470	33
1990	2 876	3 803	652	198	2 243	3 94	117	.....	2 572	3 333	277	39
1991 ⁴	918	552	.....	.....	747	298	.....	.....	2 254	3 254	.....	.....

¹ California only. ² Estimates for December 1, previous year. ³ Estimates for March 1. ⁴ Preliminary.

⁵ Screenings in California are included in second heads.

National Agricultural Statistics Service.

Table 31.—Rice: Marketing year average price and value, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per cwt.			Value of production		
	1988	1989	1990 ^{1 2}	1988	1989	1990 ^{1 2}
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
AR.....	6.90	7.46	.....	446,672	476,246	.....
CA.....	6.15	6.27	.....	183,516	203,085	.....
LA.....	6.90	7.81	.....	166,152	167,821	.....
MS.....	7.02	7.57	.....	96,736	101,400	.....
MO.....	7.22	7.54	.....	30,194	30,974	.....
TX.....	7.24	8.02	.....	168,547	154,513	.....
US.....	6.83	7.35	6.40	1,091,817	1,134,039	991,482

¹ State estimates not available. ² Preliminary.
National Agricultural Statistics Service.

Table 32.—Rice, milled: United States exports under specified Government programs, 1976-89

Year ¹	Public Law 480			Foreign donations Section 416 ⁵	Mutual security (AID) ⁶	Total specified Government programs
	Title I sales	Title II donations				
	Long-term dollar and convertible foreign currency credit sales ²	Government-to- government and World Food Program ³	Voluntary relief agencies ⁴			
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1976.....	14,572	198	357	.....	8	15,135
(?).....	(10,007)	.....	.....	.....	.....	(10,007)
1977.....	10,275	1,045	845	.....	.....	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
1987.....	3,458	3,332	287	645	3	7,725
1988.....	5,178	2,597	1,223	.....	.....	8,998
1989.....	.....	.....	.....	.....	.....	.....

¹ Year beginning July 1 for 1975-76 and Oct. 1 beginning 1977. ² Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480, as amended by P.L. 89-808. ³ Authorized by Title II, P.L. 480. ⁴ Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec. 302, Title III, P.L. 480 through Dec. 31, 1966. ⁵ Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967. ⁶ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984, and the Food Security Act of 1985. ⁷ Foreign Assistance Act of 1961, as amended. ⁸ Transition quarter July 1, 1977 to Sept. 30, 1977. Economic Research Service.

Table 33.—Rice, rough: Price-support operations, United States, 1976-91

Marketing year beginning August	Support prices		Put under support ²		Acquired by CCC under support program ³	Owned by CCC ⁴
	Per/cwt. loan/target	Percentage of parity ¹ loan/target	Quantity	Percentage of production		
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	16.3	44.3
1986.....	7.20/11.90	37/62	132.3	98.8	2.2	48.6
1987.....	6.84/11.66	36/62	125.7	98.4	.5	8.7
1988.....	6.63/11.15	33/56	147.6	92.6	0	*.1
1989.....	6.50/10.80	31/52	121.9	78.9	0	0
1990.....	6.50/10.71	31/51	⁵ 143.5	92.6	0	0
1991.....	6.50/10.71	.....	.....	.....	.....	.....

¹ Percentage of parity price as of the beginning of the marketing year. ² Includes loans made, purchases, and purchase agreements entered. ³ Acquisitions through loan forfeitures, crop year basis. ⁴ At beginning of market year. ⁵ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 34.—Rice: United States exports (milled basis), by country of destination, 1988 and 1989

Country of destination	Year beginning August ¹		Country of destination	Year beginning August ¹	
	1988	1989		1988	1989
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Canada.....	0	0	Indonesia.....	3.6	61.1
Mexico.....	1.5	56.8	Iran.....	.....	.....
Bahamas.....	4.9	6.1	Iraq.....	433.2	521.4
Dominican Republic.....	6.8	20.4	Korea, Rep. of.....	.2	.2
Haiti.....	60.6	80.7	Bangladesh.....	85.3	0
Jamaica.....	51.2	67.5	Saudi Arabia.....	220.0	182.4
Netherlands Antilles.....	11.6	9.8	Total Asia, Middle East, and Oceania ²	1,083.8	1,132.0
Chile.....	19.0	1.0	Guinea.....	32.5	35.6
Total Western Hemisphere ²	316.7	593.3	Ivory Coast.....	8.8	16.0
Belgium-Luxembourg.....	112.8	131.9	Liberia.....	72.5	77.0
France.....	1.4	11.3	Nigeria.....	.1	0
Germany, Fed. Rep. of.....	21.1	41.4	Senegal.....	120.1	95.9
Netherlands.....	55.6	72.1	South Africa.....	93.9	87.2
Portugal.....	.1	6.5	Total Africa ²	527.6	488.6
Sweden.....	16.9	15.5	World total ²	2,290.8	2,781.9
Switzerland.....	74.1	.1			
United Kingdom.....	16.9	26.6			
Total Europe ²	262.6	567.7			

¹ Marketing year. ² 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, 1988/89–1990/91¹

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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 and Central America:									
Costa Rica.....	43	62	49	3.98	3.65	3.78	171	226	185
Cuba.....	155	155	155	3.55	3.43	3.43	551	531	531
Dominican Republic.....	98	87	79	4.84	4.16	4.28	474	362	338
El Salvador.....	14	16	15	4.07	4.06	4.13	57	65	62
Guatemala.....	20	14	18	3.05	2.93	2.92	61	41	36
Haiti.....	45	45	45	2.60	2.60	2.60	117	117	117
Honduras.....	14	17	14	3.43	4.18	4.00	48	71	56
Jamaica and Dep.....	1	0	0	2.00	.00	.00	2	0	0
Nicaragua.....	120	140	75	3.33	3.86	4.00	399	540	300
Nicaragua.....	25	35	354	3.80	3.00	3.00	95	105	105
Panama.....	73	90	90	1.90	1.94	1.94	139	175	175
Trinidad and Tobago.....	10	10	10	3.00	3.00	3.00	30	30	30
United States.....	1,174	1,087	1,138	6.18	6.45	6.17	7,253	7,007	7,027
Total.....	1,792	1,758	1,718	5.24	5.27	5.22	9,397	9,270	8,964
South America:									
Argentina.....	108	100	90	4.15	3.31	3.90	448	331	351
Bolivia.....	120	90	90	1.62	1.59	1.59	194	143	143
Brazil.....	5,300	4,300	4,500	2.08	1.67	2.07	11,000	7,200	9,300
Chile.....	39	43	33	4.15	3.21	2.79	162	138	92
Colombia.....	460	410	385	4.57	4.43	4.68	2,102	1,817	1,800
Ecuador.....	126	135	151	3.44	3.63	3.31	433	490	500
Guyana.....	74	67	60	3.54	3.28	3.33	262	220	200
Paraguay.....	35	35	35	2.00	2.00	1.57	70	70	55
Peru.....	209	218	191	4.59	4.09	4.54	960	891	867
Surinam.....	75	31	31	4.00	3.84	3.84	300	119	119
Uruguay.....	100	85	110	5.30	5.46	4.51	530	464	496
Venezuela.....	114	116	121	2.91	2.69	3.31	332	312	400
Total.....	6,760	5,630	5,797	2.48	2.17	2.47	16,793	12,195	14,323
Europe:									
France.....	14	17	19	5.29	5.71	6.05	74	97	115
Greece.....	21	16	16	5.43	6.75	5.94	114	108	95
Italy.....	199	206	214	5.62	6.67	6.71	1,119	1,375	1,437
Portugal.....	33	33	33	4.42	4.48	4.61	146	148	152
Spain.....	80	59	90	6.24	5.76	6.32	499	340	569
Total EC.....	347	331	372	5.63	6.25	6.37	1,952	2,068	2,368
Bulgaria.....	16	16	16	4.75	4.75	4.75	76	76	76
Hungary.....	12	12	12	4.00	2.83	3.33	48	34	46
Romania.....	48	49	40	3.33	1.39	1.58	160	68	63
Yugoslavia.....	9	6	9	4.11	4.50	4.44	37	27	40
Total Eastern Europe.....	85	83	77	3.78	2.47	2.92	321	205	225
Total Europe.....	432	414	449	5.26	5.49	5.78	2,273	2,273	2,593
Soviet Union (Europe and Asia).....	671	656	600	4.27	3.90	4.00	2,866	2,560	2,400
Africa:									
Algeria.....	1	1	1	1.00	1.00	1.00	1	1	1
Angola.....	20	20	5	1.15	1.00	1.00	23	20	5
Benin.....	9	8	7	1.44	1.38	1.29	13	11	9
Burkina.....	30	40	25	1.68	1.00	1.24	49	40	31
Cameroon.....	35	36	35	3.29	3.25	3.14	115	117	110
Chad.....	25	25	25	1.40	.88	.88	35	22	22
Egypt.....	352	352	413	6.05	6.05	6.48	2,130	2,130	2,675
Gambia, The.....	25	25	22	1.60	1.64	1.59	40	41	35
Ghana.....	95	75	50	1.66	1.49	1.60	158	112	80
Guinea.....	561	575	490	.93	.91	1.06	522	525	520
Guinea-Bissau.....	165	165	170	.95	.93	.97	157	154	165
Ivory Coast.....	595	620	620	1.16	1.17	1.13	691	728	700
Kenya.....	11	12	13	3.18	3.17	3.15	35	38	41
Liberia.....	240	220	190	1.24	1.27	1.23	297	280	233
Madagascar.....	1,200	1,220	1,240	1.83	1.89	1.94	2,200	2,305	2,406
Malawi.....	23	26	25	1.89	1.73	1.76	32	45	44

See footnotes at end of table.

Table 35.—Rice, rough: Area, yield, and production in specified countries, 1988/89–1990/91¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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
Africa—Continued									
Mali.....	245	235	240	1.18	1.16	1.15	288	273	276
Mauritania.....	12	11	10	4.25	4.18	3.10	51	46	31
Morocco.....	8	1	1	4.00	5.00	5.00	32	5	5
Mozambique.....	50	50	70	1.10	1.10	1.30	55	55	91
Niger.....	25	30	30	1.80	2.03	2.03	45	61	61
Nigeria.....	635	640	660	1.31	1.41	1.41	833	900	930
Senegal.....	81	80	79	1.80	2.21	2.05	146	177	162
Sierra Leone.....	360	370	380	1.44	1.41	1.43	517	522	542
Somalia.....	7	7	5	2.33	2.00	2.20	14	12	11
Sudan.....	7	7	7	1.43	1.43	1.43	10	10	10
Swaziland.....	2	2	2	2.50	2.50	2.50	5	5	5
Tanzania, United Republic of.....	402	350	350	1.55	2.08	2.00	624	729	699
Togo.....	33	22	22	91	91	91	30	20	20
Zaire.....	325	300	290	89	89	90	288	267	262
Zambia.....	10	11	11	1.30	1.45	1.18	13	16	13
Total.....	5,588	5,535	5,488	1.69	1.75	1.86	9,449	9,667	10,195
Asia:									
Afghanistan.....	214	214	210	2.29	2.29	2.27	491	491	477
Bangladesh.....	10,220	10,470	10,610	2.28	2.56	2.52	23,327	26,793	26,748
Brunei.....	3	3	3	2.00	2.00	2.00	6	6	6
Burma.....	4,527	4,733	4,797	2.76	2.85	2.86	12,500	13,500	13,700
Cambodia.....	1,800	1,800	1,750	1.39	1.50	1.20	2,500	2,698	2,103
China (Mainland).....	31,914	32,700	33,100	5.30	5.51	5.59	169,110	180,130	185,000
India.....	41,736	42,177	42,200	2.53	2.63	2.67	105,744	111,091	112,511
Indonesia.....	9,800	10,530	10,320	4.32	4.25	4.36	42,308	44,726	44,960
Iran.....	470	490	425	3.03	3.77	2.85	1,424	1,848	1,212
Iraq.....	51	73	85	2.76	3.19	2.93	141	233	249
Japan.....	2,100	2,097	2,074	5.91	6.17	6.33	12,419	12,934	13,124
Korea, Democratic People's Rep.....	880	880	880	6.36	6.36	6.36	5,594	5,600	5,600
Korea, Republic of.....	1,260	1,257	1,242	6.64	6.44	6.22	8,371	8,101	7,722
Laos.....	650	700	860	1.67	2.02	1.74	1,085	1,417	1,500
Malaysia.....	655	612	635	3.00	3.00	3.00	1,783	1,781	1,800
Nepal.....	1,450	1,088	1,350	2.00	3.00	3.00	3,282	2,869	3,498
Pakistan.....	2,042	2,107	2,030	2.35	2.29	2.32	4,800	4,830	4,713
Philippines.....	3,485	3,445	3,480	2.65	2.58	2.69	9,225	8,900	9,351
Saudi Arabia.....	1	1	1	3.00	3.00	3.00	3	3	3
Sri Lanka.....	820	690	828	3.02	2.99	3.07	2,478	2,063	2,538
Taiwan.....	471	475	455	4.95	4.97	5.02	2,333	2,359	2,285
Thailand.....	9,917	9,986	9,650	2.14	2.02	1.79	21,265	20,177	17,300
Turkey.....	70	75	75	3.63	3.08	3.08	254	231	231
Vietnam.....	5,750	5,900	5,850	2.92	3.12	3.08	16,800	18,400	18,000
Total.....	130,286	132,503	132,910	3.43	3.56	3.57	447,243	471,181	474,631
Oceania:									
Australia.....	98	115	89	8.22	8.03	8.60	806	923	765
World total.....	145,627	146,611	147,051	3.36	3.47	3.49	488,827	508,069	513,871

¹ 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. ² Harvested area as far as possible. ³ 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: ¹ International trade, 1988–90 ²

Continent and country	1988		1989		1990 ³	
	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
North America:						
Canada.....	135	0	148	0	130	0
El Salvador.....	9	0	10	0	13	1
Honduras.....	5	0	6	0	6	0
Mexico.....	0	0	189	0	130	0
Nicaragua.....	30	0	30	0	30	0
Panama.....	5	0	5	0	2	0
United States.....	109	2,247	125	2,973	135	2,424
Cuba.....	200	0	200	0	200	0
Jamaica.....	78	0	60	0	71	0
Trinidad and Tobago.....	40	0	55	0	60	0
Other.....	182	0	155	0	164	0
Total.....	793	2,247	983	2,973	941	2,425
South America:						
Argentina.....	0	160	0	130	0	70
Brazil.....	64	20	180	5	405	0
Guyana.....	0	56	0	26	0	30
Chile.....	25	0	25	0	35	23
Colombia.....	39	0	0	38	0	81
Ecuador.....	0	25	66	20	45	15
Peru.....	17	0	162	0	246	0
Surinam.....	0	69	0	100	0	30
Uruguay.....	0	244	0	251	5	250
Venezuela.....	61	40	19	0	5	0
Other.....	0	0	0	0	0	0
Total.....	206	614	452	570	741	499
Europe:						
Austria.....	57	0	60	0	57	0
Belgium-Luxembourg.....	164	115	160	108	165	111
Denmark.....	15	0	20	0	18	0
France.....	233	20	195	42	226	55
Germany.....	214	32	206	35	211	35
Greece.....	6	31	6	31	5	41
Italy.....	100	550	65	480	4	525
Netherlands.....	145	80	150	75	145	76
Norway.....	10	0	10	0	10	0
Portugal.....	56	0	116	2	75	6
Spain.....	60	81	105	180	110	110
Sweden.....	31	0	30	0	35	0
Switzerland.....	26	0	54	0	30	0
United Kingdom.....	212	11	235	10	240	10
Other.....	31	0	30	0	31	0
Total Western Europe.....	1,360	920	1,442	963	1,362	969
Hungary.....						
Hungary.....	55	0	55	0	55	0
Poland.....	65	0	58	0	59	0
Romania.....	70	0	50	0	50	0
Yugoslavia.....	20	0	30	0	30	0
Soviet Union.....	498	166	600	150	400	150
Other.....	80	0	80	0	90	0
Total Eastern Europe.....	788	166	873	150	684	150
Africa:						
Algeria.....	51	0	49	0	50	0
Angola.....	71	0	62	0	50	0
Zaire.....	75	0	86	0	80	0
Gambia.....	80	0	50	0	70	20
Ghana.....	90	0	85	0	75	0
Guinea.....	85	0	85	0	120	0
Ivory Coast.....	212	0	305	0	300	0
Liberia.....	92	0	110	0	120	15
Madagascar.....	70	0	130	0	155	0

See footnotes at end of table.

Table 36.—Rice, milled equivalent: ¹ International trade, 1988-90 ²—Continued

Continent and country	1988		1989		1990 ³	
	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						
Mozambique.....	120	0	160	0	130	0
Nigeria.....	240	0	300	0	200	0
Senegal and Mauritania.....	420	0	460	0	450	0
Sierra Leone.....	84	0	99	0	110	0
South Africa.....	237	0	280	0	300	0
Egypt.....	15	108	10	100	10	32
Tanzania.....	45	0	60	0	50	0
Other.....	451	5	399	5	360	5
Total.....	2,438	113	2,730	105	2,630	72
Asia:						
Bangladesh.....	187	0	400	0	100	0
Saudi Arabia.....	431	0	525	0	525	0
Israel.....	65	0	60	0	60	0
Jordan.....	85	0	90	0	125	0
Lebanon.....	25	0	25	0	25	0
Turkey (Europe and Asia).....	170	0	200	40	210	0
Iraq.....	603	0	542	0	360	0
Syria.....	120	0	140	0	140	0
Iran.....	400	0	1,000	0	850	0
Burma.....	0	368	0	456	0	186
Sri Lanka.....	180	0	292	0	200	0
China (Mainland).....	310	698	1,200	320	59	300
Taiwan.....	4	104	5	68	4	50
Hong Kong.....	400	5	380	5	400	5
India.....	650	200	500	450	0	420
Cambodia.....	50	0	50	0	50	0
Laos.....	250	0	181	0	30	0
Vietnam, Soc. Rep. of.....	175	97	50	1,400	0	1,500
Indonesia.....	33	0	412	104	60	50
Japan.....	16	0	16	0	16	0
Korea, Rep. of.....	0	0	0	0	0	2
Korea, Dem. People's Rep.....	0	199	0	175	0	75
Malaysia.....	350	1	360	0	360	0
Singapore.....	210	25	210	25	220	25
Pakistan.....	0	950	0	779	0	904
Philippines.....	181	0	195	16	630	0
Thailand.....	0	4,791	0	6,087	0	3,927
Other.....	677	15	659	15	600	15
Total.....	5,572	7,453	7,492	9,890	5,024	7,459
Oceania:						
Australia.....	9	417	10	450	10	470
Other.....	45	0	45	0	45	0
Total.....	54	417	55	450	55	470
Other countries.....						
	210	0	220	0	240	0
World total.....	11,421	11,930	14,247	15,101	11,677	12,044

¹ Includes milled, semi-milled, broken, and rough rice in terms of milled. ² Calendar year. ³ 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, 1976–89¹

Crop year ²	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 (milling)	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>
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
1987.....	2.96	3.14	2.97	3.57	3.15	1.79	3.06	2.95
1988.....	4.17	4.23	3.96	4.69	4.36	2.26	4.53	4.08
1989.....	4.22	4.21	3.93	4.03	4.16	2.24	4.28	3.94

Crop year ²	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>
1976.....	2.81	2.88	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
1987.....	2.89	2.61	13.60	12.45	12.70	13.70	13.95	.....	13.15
1988.....	4.00	3.87	17.60	14.45	15.30	15.60	15.75	.....	15.85
1989.....	3.92	3.82	.....	14.70	14.95	15.20	15.50	.....	15.50

¹ Simple average of daily prices. ² 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, 1976-90

Year	Area planted, all purposes	Corn for grain							Corn for silage		
		Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Marketing year average price per bushel ¹	Value of production ¹	Area harvested	Yield per harvested acre	Production ²
	<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>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>
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	2.48	19,876,655	7,989	14.4	114,799
1980.....	84,043	72,961	91.0	6,639,396	(³)	(³)	3.12	20,554,147	9,299	12.0	111,990
1981.....	84,097	74,524	108.9	8,118,650	(³)	(³)	2.47	20,200,261	8,307	14.2	117,891
1982.....	81,857	72,719	113.2	8,235,101	(³)	(³)	2.55	22,039,409	8,252	14.3	117,782
1983.....	60,207	51,479	81.1	4,174,251	(³)	(³)	3.21	13,534,930	7,808	12.3	96,238
1984.....	80,517	71,897	106.7	7,672,130	(³)	(³)	2.63	20,084,595	7,535	13.9	104,491
1985.....	83,398	75,209	118.0	8,875,453	(³)	(³)	2.23	19,521,975	7,155	14.3	102,664
1986.....	76,580	68,907	119.4	8,225,764	(³)	(³)	1.50	12,541,426	6,418	14.1	90,227
1987.....	66,200	59,505	119.8	7,131,300	(³)	(³)	1.94	14,107,705	5,994	14.4	86,442
1988.....	67,717	58,250	84.6	4,928,681	(³)	(³)	2.54	12,661,362	8,294	9.5	78,791
1989.....	72,221	64,703	116.3	7,525,493	(³)	(³)	2.36	17,896,810	6,606	13.0	86,109
1990 ⁴	74,171	66,952	118.5	7,933,068	(³)	(³)	2.30	18,008,938	6,124	14.2	86,844

¹ Includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ² Includes hogged or grazed and that cut and fed without removing grain. ³ Estimates discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 39.—Corn: Stocks on and off farms, United States, 1976-91

Year	On farms				Off farms ²			
	Jan. 1	Apr. 1	June 1	Oct. 1 ¹	Jan. 1	Apr. 1	June 1	Oct. 1 ¹
	<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>
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	544,888
1982.....	4,986,266	3,591,813	2,784,195	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	701,786
1986.....	5,528,559	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	3,509,999	3,224,193	2,840,441	2,597,193
1988.....	6,100,000	4,421,000	3,241,000	2,002,800	3,671,005	3,214,590	2,598,217	2,256,286
1989.....	4,280,200	3,621,000	2,022,000	967,500	2,791,367	2,182,926	1,397,302	962,928
1990.....	4,698,500	2,910,500	1,623,500	754,800	2,383,275	1,901,921	1,219,708	589,657
1991 ³	4,874,000	3,064,500	1,755,000	.....	2,066,289	1,724,474	1,236,911	.....

¹ Old crop only. ² Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ³ Preliminary.
National Agricultural Statistics Service.

Table 40.—Corn: Supply and disappearance, United States, 1976-90 ¹

Year beginning October	Supply				Disappearance				Ending stocks Sept. 30			
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Private-ly held ²	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
1976.....	633	6,289	2	6,925	3,601	542	4,144	1,645	5,789	1,136	0	1,136
1977.....	1,136	6,505	2	7,643	3,730	581	4,311	1,896	6,207	1,432	4	1,436
1978.....	1,436	7,268	1	8,705	4,274	608	4,882	2,113	6,995	1,609	101	1,710
1979.....	1,710	7,928	1	9,638	4,563	640	5,203	2,402	7,604	1,774	260	2,034
1980.....	2,034	6,639	1	8,675	4,173	718	4,891	2,391	7,282	1,150	242	1,392
1981.....	1,392	8,119	1	9,511	4,181	797	4,978	1,997	6,975	2,257	280	2,537
1982.....	2,537	8,235	1	10,772	4,533	895	5,428	1,821	7,249	2,380	1,143	3,523
1983.....	3,523	4,174	2	7,699	3,831	975	4,806	1,886	6,693	805	201	1,006
1984.....	1,006	7,672	2	8,680	4,091	1,091	5,182	1,850	7,032	1,423	225	1,648
1985.....	1,648	8,876	10	10,534	4,107	1,160	5,267	1,227	6,494	3,494	546	4,040
1986.....	4,040	8,226	2	12,267	4,701	1,192	5,893	1,492	7,385	3,438	1,443	4,882
1987.....	4,882	7,131	3	12,016	4,812	1,229	6,041	1,716	7,757	3,424	835	4,259
1988.....	4,259	4,929	3	9,191	3,981	1,251	5,232	2,028	7,260	1,568	363	1,930
1989.....	1,930	7,526	2	9,458	4,455	1,290	5,745	2,369	8,113	1,112	233	1,345
1990 ³	1,345	7,933	2	9,280	4,850	1,330	6,180	1,700	7,880	1,050	350	1,400

¹ 1976 to date revised based on new crop year, Sept. 1-Aug. 31. ² Includes total Government loans (original and resale). ³ Preliminary.
Economic Research Service.

Table 41.—Corn: Area, yield, and production, by States, 1988-90

State	Area planted for all purposes			Corn for grain								
	1988	1989	1990 ¹	Area harvested			Yield per harvested acre			Production		
				1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	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.....	240	230	290	170	180	240	44.0	81.0	58.0	7,480	14,580	13,920
AZ.....	19	20	15	13	13	7	155.0	145.0	160.0	2,015	1,885	1,120
AR.....	65	62	80	60	58	73	100.0	122.0	95.0	6,000	7,076	6,935
CA.....	375	380	375	187	185	160	145.0	160.0	160.0	27,115	29,600	25,600
CO.....	910	1,050	950	800	930	830	160.0	145.0	155.0	128,000	134,850	128,650
CT.....	50	49	45	(³)	(³)	(³)						
DE.....	150	140	180	140	138	172	70.0	100.0	115.0	9,800	13,300	19,780
FL.....	100	115	105	65	80	75	58.0	74.0	71.0	3,770	5,920	5,325
GA.....	600	610	660	500	550	550	62.0	95.0	68.0	31,000	52,250	37,400
ID.....	110	130	100	50	50	30	130.0	125.0	130.0	6,500	6,250	3,900
IL.....	9,900	10,900	10,600	9,600	10,750	10,400	73.0	123.0	127.0	700,800	1,322,250	1,320,800
IN.....	5,200	5,350	5,600	5,000	5,200	5,450	83.0	133.0	129.0	415,000	691,600	703,050
IA.....	11,300	12,600	12,800	10,700	12,250	12,400	84.0	118.0	126.0	898,800	1,445,500	1,562,400
KS.....	1,250	1,370	1,600	1,150	1,240	1,450	125.0	125.0	130.0	143,750	155,000	188,500
KY.....	1,300	1,330	1,350	1,100	1,180	1,200	73.0	116.0	100.0	80,300	136,880	120,000
LA.....	145	160	200	125	142	186	95.0	95.0	116.0	11,875	13,490	21,576
ME.....	32	33	40	(³)	(³)	(³)						
MD.....	520	480	550	420	400	450	65.0	110.0	118.0	27,300	44,000	53,100
MA.....	39	38	36	(³)	(³)	(³)						
MI.....	2,100	2,300	2,400	1,600	1,970	2,070	70.0	113.0	115.0	112,000	222,610	238,050
MN.....	5,700	6,200	6,700	4,700	5,600	6,150	74.0	125.0	124.0	347,800	700,000	762,600
MS.....	200	180	190	150	140	140	60.0	70.0	80.0	9,000	9,800	11,200
MO.....	2,200	2,400	2,100	2,020	2,290	1,960	76.0	96.0	105.0	153,520	219,840	205,800
MT.....	90	80	65	20	4	9	110.0	80.0	95.0	2,200	320	855
NE.....	6,900	7,400	7,700	6,600	7,000	7,300	124.0	121.0	123.0	818,400	847,000	984,400
NH.....	19	19	17	(³)	(³)	(³)						
NJ.....	95	95	100	79	71	75	70.0	102.0	118.0	5,530	7,242	8,850
NM.....	75	85	85	55	60	55	155.0	160.0	145.0	8,525	9,600	7,975
NY.....	1,070	1,150	1,210	540	570	620	85.0	93.0	98.0	45,900	53,010	60,760
NC.....	1,100	1,050	1,200	970	950	1,070	84.0	93.0	68.0	81,480	88,350	72,760
ND.....	800	880	850	380	465	460	58.0	75.0	80.0	22,040	34,875	36,800
OH.....	3,300	3,150	3,700	3,000	2,900	3,450	85.0	118.0	121.0	255,000	342,200	417,450
OK.....	90	95	105	72	78	88	95.0	120.0	114.0	6,840	9,360	10,032
OR.....	50	50	50	19	22	18	158.0	160.0	150.0	3,002	3,520	2,700
PA.....	1,480	1,380	1,380	910	960	970	65.0	103.0	113.0	59,150	98,880	109,610
RI.....	3	2	2	(³)	(³)	(³)						
SC.....	380	390	390	335	340	320	58.0	91.0	45.0	19,430	30,940	14,400
SD.....	3,150	3,400	3,400	2,400	2,650	3,000	55.0	72.0	78.0	132,000	190,800	234,000
TN.....	680	650	620	530	530	510	73.0	107.0	86.0	38,690	56,710	43,860
TX.....	1,500	1,650	1,650	1,350	1,400	1,450	96.0	106.0	90.0	129,600	148,400	130,500
UT.....	70	65	65	22	20	19	124.0	132.0	140.0	2,728	2,640	2,660
VT.....	90	88	86	(³)	(³)	(³)						
VA.....	530	510	530	295	365	365	79.0	110.0	100.0	23,305	40,150	36,500
WA.....	120	130	120	80	90	80	170.0	175.0	175.0	13,600	15,750	14,000
WV.....	85	85	90	40	46	50	58.0	95.0	105.0	2,320	4,370	5,250
WI.....	3,450	3,600	3,700	1,950	2,800	3,000	67.0	111.0	118.0	130,650	310,800	354,000
WY.....	85	90	90	53	41	50	122.0	95.0	120.0	6,466	3,895	6,000
US.....	67,717	72,221	74,171	58,250	64,703	66,952	84.6	116.3	118.5	4,928,681	7,525,493	7,933,068

¹ Preliminary. ² All acreage harvested is for silage. ³ Not estimated.
National Agricultural Statistics Service.

Table 42.—Corn: Utilization for silage, by States, 1988-90

State	Silage								
	Area harvested			Yield per acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons	
AL.....	20	25	20	8.0	10.0	10.0	160	250	200
AZ.....	6	7	8	27.0	27.0	27.0	162	189	216
AR.....	4	3	6	8.0	12.0	12.0	32	36	72
CA.....	182	189	210	23.0	24.0	25.0	4,186	4,536	5,250
CO.....	105	115	117	23.0	22.0	22.5	2,415	2,530	2,633
CT.....	43	43	41	18.0	16.5	19.0	774	710	779
DE.....	8	6	7	13.0	16.0	16.0	104	96	112
FL.....	12	22	15	13.5	16.0	17.5	162	352	263
GA.....	50	40	50	8.5	14.5	12.0	425	580	600
ID.....	58	78	68	23.0	23.5	23.0	1,334	1,833	1,564
IL.....	260	140	130	7.5	14.0	14.0	1,950	1,960	1,820
IN.....	150	120	100	11.5	16.5	17.0	1,725	1,980	1,700
IA.....	550	340	300	9.0	13.5	15.5	4,950	4,590	4,650
KS.....	95	105	120	14.0	14.0	13.0	1,330	1,470	1,560
KY.....	160	140	140	10.5	16.0	15.0	1,680	2,240	2,100
LA.....	12	14	11	14.0	16.0	17.0	168	224	187
ME.....	26	27	32	17.0	15.0	15.0	442	405	480
MD.....	95	75	95	10.0	16.0	14.0	950	1,200	1,330
MA.....	31	30	29	19.5	18.5	18.5	605	555	587
MI.....	450	300	280	7.5	13.0	14.5	3,375	3,900	4,060
MN.....	850	520	480	6.2	10.5	12.0	5,270	5,460	5,760
MS.....	35	25	25	10.0	12.0	12.0	350	300	300
MO.....	150	90	90	8.0	12.5	13.0	1,200	1,125	1,170
MT.....	67	75	55	19.0	18.0	19.0	1,273	1,350	1,045
NE.....	245	325	325	14.0	12.5	13.5	3,430	4,063	4,388
NH.....	17	17	15	19.0	19.5	19.5	323	332	293
NJ.....	14	22	23	10.0	14.0	18.0	140	308	414
NM.....	17	20	27	20.0	20.0	19.0	340	400	513
NY.....	525	550	580	13.0	13.0	15.0	6,825	7,150	8,700
NC.....	105	95	85	10.0	15.0	12.0	1,050	1,425	1,020
ND.....	300	340	360	3.0	3.7	4.0	900	1,258	1,440
OH.....	250	240	180	10.5	14.0	16.0	2,625	3,360	2,880
OK.....	13	14	15	14.0	14.0	16.0	182	196	240
OR.....	29	27	30	22.0	24.0	24.0	638	648	720
PA.....	550	400	390	10.0	15.0	16.0	5,500	6,000	6,240
RI.....	2	2	2	19.0	19.0	18.0	38	38	36
SC.....	31	25	35	8.5	13.5	12.5	264	338	438
SD.....	670	690	375	3.8	5.0	6.2	2,546	3,450	2,325
TN.....	125	110	100	10.0	15.0	16.0	1,250	1,650	1,600
TX.....	70	50	85	13.0	18.5	13.0	910	925	1,105
UT.....	47	44	45	20.0	19.0	20.5	940	836	923
VT.....	78	77	76	16.0	17.5	17.5	1,248	1,348	1,330
VA.....	230	140	160	12.0	16.0	14.0	2,760	2,240	2,240
WA.....	40	40	40	25.0	25.0	23.0	1,000	1,000	920
WV.....	37	38	38	8.5	15.5	15.0	315	589	570
WI.....	1,450	764	670	6.9	13.0	14.0	10,005	9,932	9,380
WY.....	30	47	39	18.0	16.0	19.0	540	752	741
US.....	8,294	6,606	6,124	9.5	13.0	14.2	78,791	86,109	86,844

¹ Preliminary.

National Agricultural Statistics Service.

Table 43.—Corn for grain: Marketing year average price and value, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per bushel			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	2.80	2.75	2.80	20,944	40,095	38,976
AZ.....	3.15	3.00	2.95	6,347	5,655	3,304
AR.....	2.31	2.35	2.60	13,860	16,629	18,031
CA.....	3.16	3.00	3.10	85,683	88,800	79,360
CO.....	2.54	2.32	2.35	325,120	312,852	302,328
DE.....	3.01	2.65	2.40	29,498	35,245	47,472
FL.....	3.00	2.30	2.65	11,310	13,616	14,111
GA.....	3.02	2.63	2.80	93,620	137,418	104,720
ID.....	3.10	2.95	2.75	20,150	18,438	10,725
IL.....	2.59	2.40	2.30	1,815,072	3,173,400	3,037,840
IN.....	2.65	2.47	2.25	1,099,750	1,708,252	1,581,863
IA.....	2.45	2.29	2.20	2,202,060	3,310,195	3,437,280
KS.....	2.60	2.28	2.30	373,750	353,400	433,550
KY.....	2.76	2.54	2.55	221,628	347,675	306,000
LA.....	2.80	2.60	2.60	33,250	35,074	56,098
MD.....	3.02	2.70	2.45	82,446	118,800	130,095
MI.....	2.53	2.28	2.20	283,360	507,551	523,710
MN.....	2.40	2.27	2.15	834,720	1,589,000	1,639,590
MS.....	3.10	2.70	2.60	27,900	26,460	29,120
MO.....	2.63	2.38	2.30	403,758	523,219	473,340
MT.....	3.15	2.60	2.50	6,930	832	2,138
NE.....	2.48	2.30	2.30	2,029,632	1,948,100	2,149,120
NJ.....	2.95	2.65	2.35	16,314	19,191	20,798
NM.....	2.91	2.51	2.55	24,808	24,096	20,336
NY.....	2.83	2.80	2.65	129,897	148,428	161,014
NC.....	2.91	2.67	2.60	237,107	235,895	189,176
ND.....	2.40	2.24	2.15	52,896	78,120	79,120
OH.....	2.61	2.49	2.25	665,550	852,078	939,263
OK.....	2.70	2.40	2.20	18,468	22,464	22,070
OR.....	3.04	2.85	2.70	9,126	10,032	7,290
PA.....	3.10	2.88	2.45	183,365	284,774	268,545
SC.....	2.95	2.45	2.65	57,319	75,803	38,160
SD.....	2.38	2.14	2.00	314,160	408,312	468,000
TN.....	2.75	2.50	2.35	106,398	141,775	103,071
TX.....	2.71	2.63	2.55	351,216	390,292	332,775
UT.....	3.15	2.80	2.65	8,593	7,392	7,049
VA.....	2.90	2.60	2.50	67,585	104,390	91,250
WA.....	3.00	2.85	2.70	40,800	44,888	37,800
WV.....	2.60	2.40	2.20	6,032	10,488	11,550
WI.....	2.55	2.31	2.20	333,158	717,948	778,800
WY.....	2.75	2.50	2.35	17,782	9,738	14,100
US.....	2.54	2.36	2.30	12,661,362	17,896,810	18,008,938

¹ Preliminary.

National Agricultural Statistics Service.

Table 44.—Corn: Area, yield, and production in specified countries, 1988/89–1990/91¹

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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 and Central America:									
Canada.....	981	1,003	1,000	5.47	6.36	7.00	5,369	6,379	7,000
Costa Rica.....	59	48	42	1.44	1.67	1.67	85	80	70
Cuba.....	77	75	77	1.23	1.27	1.30	95	95	100
Dominican Republic.....	33	28	35	.94	.89	1.31	31	25	46
El Salvador.....	282	276	282	2.11	2.13	2.11	596	589	595
Guatemala.....	790	725	740	1.61	1.59	1.62	1,270	1,150	1,200
Haiti.....	175	175	175	.91	.97	.97	160	170	170
Honduras.....	333	350	359	1.32	1.46	1.53	440	510	550
Jamaica and Dep.....	2	2	2	1.50	1.50	1.50	3	3	3
Mexico.....	6,000	5,800	6,600	1.68	1.68	1.97	10,100	9,750	13,000
Nicaragua.....	200	200	200	1.33	1.35	1.35	265	270	270
Panama.....	70	85	85	1.03	1.06	1.06	72	90	90
Trinidad and Tobago.....	3	3	3	1.67	1.67	1.67	5	5	5
United States.....	23,573	26,184	27,095	5.31	7.30	7.44	125,194	191,156	201,509
Total.....	32,578	34,954	36,695	4.41	6.02	6.12	143,685	210,272	224,608
South America:									
Argentina.....	1,700	1,700	1,950	2.94	3.06	4.00	5,000	5,200	7,800
Bolivia.....	245	310	300	1.43	1.50	1.50	351	465	450
Brazil.....	12,900	12,100	13,000	2.02	1.80	1.81	26,050	21,800	23,500
Chile.....	125	101	97	7.50	7.54	7.73	938	762	750
Colombia.....	759	787	800	1.38	1.47	1.48	1,044	1,155	1,180
Ecuador.....	170	150	180	1.34	1.60	1.61	228	240	290
Guyana.....	5	5	5	1.00	1.00	1.00	5	5	5
Paraguay.....	420	480	490	1.33	1.46	1.31	560	700	640
Peru.....	463	484	320	1.96	2.08	2.03	908	1,009	650
Uruguay.....	80	85	85	.88	1.18	1.18	70	100	100
Venezuela.....	640	500	490	2.00	2.00	2.35	1,281	1,000	1,150
Total.....	17,507	16,702	17,717	2.08	1.94	2.06	36,435	32,436	36,515
Europe:									
Belgium-Luxembourg.....	7	7	8	7.71	7.71	6.25	54	54	50
France.....	1,995	1,910	1,600	7.31	7.02	5.94	14,578	13,400	9,500
Germany.....	209	219	257	7.61	7.46	6.32	1,591	1,633	1,624
Greece.....	228	180	162	8.11	9.17	8.64	1,850	1,650	1,400
Italy.....	843	804	768	7.49	7.91	7.64	6,318	6,359	5,864
Netherlands.....	0	1	1	.00	6.00	4.00	0	6	4
Portugal.....	250	260	272	2.59	2.59	2.36	647	674	643
Spain.....	556	510	408	6.40	6.08	6.37	3,557	3,100	2,600
Total EC.....	4,088	3,891	3,476	6.99	6.91	6.24	28,595	26,876	21,685
Austria.....	200	194	198	8.50	7.69	7.95	1,700	1,491	1,575
Sweden.....	3	3	3	4.00	4.00	4.00	12	12	12
Switzerland.....	25	24	25	9.48	8.13	8.00	237	195	200
Total Western Europe.....	4,316	4,112	3,702	7.08	6.95	6.34	30,544	28,574	23,472
Albania.....	95	95	100	4.21	4.21	3.80	400	400	380
Bulgaria.....	490	563	400	3.18	4.30	3.10	1,557	2,421	1,241
Czechoslovakia.....	215	204	140	4.42	4.90	3.63	950	1,000	508
Hungary.....	1,103	1,084	1,000	5.47	6.22	4.53	6,028	6,747	4,532
Poland.....	40	51	45	5.10	4.78	6.44	204	244	290
Romania.....	2,900	2,800	2,500	3.45	3.21	3.00	10,000	9,000	7,500
Yugoslavia.....	2,269	2,268	2,213	8.39	4.15	2.99	7,697	9,415	6,616
Total Eastern Europe.....	7,112	7,065	6,398	3.77	4.14	3.29	26,836	29,227	21,067
Total Europe.....	11,428	11,177	10,100	5.02	5.17	4.41	57,380	57,801	44,539
Soviet Union (Europe and Asia):									
	4,431	4,120	2,800	3.62	3.71	3.50	16,030	15,305	9,800
Africa:									
Algeria.....	1	2	2	1.00	.50	.50	1	1	1
Angola.....	480	460	400	.57	.50	.44	275	230	175
Benin.....	485	480	480	.88	.88	.78	425	420	375
Botswana.....	50	50	50	.40	.40	.40	20	20	20
Burkina.....	277	174	165	.82	1.09	.91	227	190	150
Burundi.....	145	145	175	1.10	1.03	1.09	160	150	190
Cameroon.....	440	450	434	.97	1.00	.96	425	450	418
Cape Verde.....	25	10	20	.64	.70	.75	16	7	15
Central African Republic.....	132	130	130	.52	.50	.50	68	65	65
Chad.....	62	70	65	.76	.64	.62	47	45	40
Congo (Brazzaville).....	33	32	32	.64	.63	.63	21	20	20
Egypt.....	825	843	847	5.20	5.37	5.43	4,287	4,524	4,598

See footnotes at end of table.

**Table 44.—Corn: Area, yield, and production in specified countries, 1988/89–1990/91¹—
Continued**

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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
Africa—Continued									
Ethiopia.....	825	800	780	2.00	1.75	1.67	1,650	1,400	1,300
Gambia, The.....	13	14	12	1.23	1.79	1.33	16	25	16
Ghana.....	530	595	550	1.32	1.20	1.01	700	714	553
Guinea.....	55	50	55	1.09	1.00	1.09	60	50	60
Guinea-Bissau.....	0	30	35	.00	.67	.74	0	20	26
Ivory Coast.....	640	670	610	.81	.82	.75	520	550	460
Kenya.....	1,820	1,815	1,785	1.57	1.56	1.47	2,860	2,836	2,630
Lesotho.....	160	100	70	1.00	1.00	.86	160	100	60
Madagascar.....	140	145	145	1.11	1.14	1.17	155	165	170
Malawi.....	1,180	1,350	1,375	1.14	1.00	1.19	1,350	1,350	1,640
Mali.....	153	175	175	1.40	1.31	1.29	214	230	225
Mauritania.....	11	3	1	.64	.67	1.00	7	2	1
Morocco.....	396	406	376	.90	.99	1.16	358	403	436
Mozambique.....	600	750	670	.54	.60	.55	322	453	370
Nigeria.....	2,200	2,000	1,800	1.00	.95	.84	2,200	1,900	1,520
Rwanda.....	75	72	70	1.33	1.25	1.14	100	90	80
Senegal.....	110	112	114	1.12	1.17	1.11	123	131	127
Sierra Leone.....	1	1	14	1.00	1.00	1.00	1	1	14
Somalia.....	230	230	200	1.67	1.09	1.10	385	250	220
South Africa, Republic of.....	3,778	3,600	3,100	3.28	2.47	2.26	12,384	8,900	7,000
Swaziland.....	75	80	80	2.00	1.69	1.69	150	135	135
Tanzania, United Republic of.....	1,980	1,650	1,830	1.60	1.48	1.42	3,160	2,450	2,600
Togo.....	227	200	150	1.04	1.13	1.33	235	225	200
Tunisia.....	1	1	1	1.00	1.00	1.00	1	1	1
Uganda.....	380	340	360	1.71	1.76	1.67	650	600	600
Zaire.....	990	1,050	1,050	.80	.75	.72	792	790	756
Zambia.....	1,021	763	800	1.86	1.43	1.13	1,900	1,093	900
Zimbabwe.....	1,236	1,150	1,100	1.56	1.72	1.45	1,928	1,980	1,595
Total.....	21,782	20,998	20,108	1.76	1.57	1.48	38,353	32,966	29,762
Asia:									
Afghanistan.....	479	460	450	1.75	1.63	1.78	838	750	800
Bhutan.....	50	50	50	1.70	1.70	1.70	85	85	85
Burma.....	163	160	160	1.59	1.56	1.56	259	250	250
Cambodia.....	35	35	35	1.14	1.14	1.14	40	40	40
China (Mainland).....	19,692	20,353	21,400	3.93	3.88	4.21	77,350	78,930	90,000
India.....	5,897	5,858	5,900	1.40	1.61	1.61	8,229	9,409	9,500
Indonesia.....	2,850	2,700	2,900	1.82	1.85	1.83	5,200	5,000	5,300
Iran.....	48	45	50	1.15	.89	1.10	55	40	55
Iraq.....	50	45	50	1.50	2.33	2.20	75	105	110
Israel.....	8	0	0	2.75	.00	.00	22	0	0
Japan.....	1	1	1	2.00	2.00	2.00	2	2	2
Jordan.....	1	1	1	1.00	1.00	1.00	1	1	1
Korea, Democratic People's Rep.....	450	450	450	6.44	6.44	6.44	2,900	2,900	2,900
Korea, Republic of.....	22	25	26	4.82	4.84	4.62	106	121	120
Lebanon.....	2	2	2	1.00	1.00	1.00	2	2	2
Malaysia.....	18	19	20	1.78	1.79	1.75	32	34	35
Nepal.....	722	705	700	1.48	1.28	1.79	1,072	900	1,250
Pakistan.....	866	863	857	1.39	1.37	1.38	1,204	1,179	1,180
Philippines.....	3,750	3,625	3,800	1.21	1.24	1.24	4,525	4,500	4,700
Saudi Arabia.....	24	2	2	1.00	1.00	1.50	2	2	3
Syria.....	49	56	65	1.84	1.95	2.00	90	109	130
Taiwan.....	81	82	87	4.06	4.13	3.97	329	339	345
Thailand.....	1,600	1,400	1,350	2.63	2.93	2.74	4,200	4,100	3,700
Turkey.....	580	600	620	3.79	3.17	3.55	2,200	1,900	2,200
Vietnam.....	511	510	507	1.59	1.65	1.68	815	843	850
Yemen.....	40	40	40	1.38	1.13	1.25	55	45	50
Total.....	37,967	38,087	39,523	2.89	2.93	3.13	109,688	111,586	123,608
Oceania:									
Australia.....	54	50	51	4.19	4.04	3.92	226	202	200
New Zealand.....	19	15	17	8.68	9.27	9.47	165	139	161
Total.....	73	65	68	5.36	5.25	5.31	391	341	361
World total.....	125,766	126,103	127,011	3.20	3.65	3.69	401,962	460,707	469,193

¹ 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 1987 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1987 and ends early in 1988.

² Harvested area as far as possible. ³ 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, 1976-91

Marketing year	Support price				Put under support ²		Acquired by CCC under support program ³	Owned by CCC at end of marketing year ⁷
	Per bushel		Percentage of parity ¹		Quantity	Percentage of production		
	Loan	Target	Loan ⁷	Target ⁷				
	Dollars	Dollars	Percent	Percent	Million bushels	Percent	Million bushels	Million bushels
1976/77.....	1.50	1.57	46	48	276	4.4		
1977/78.....	2.00	2.00	58	58	1,159	18.0	12	4
1978/79.....	2.00	2.10	54	57	641	9.0	81	101
1979/80.....	2.10	2.20	50	53	557	7.0	160	260
1980/81.....	⁴ 2.25-2.40	⁵ 2.35-2.05	49-52	51-44	840	12.6	1	242
1981/82.....	⁴ 2.40-2.55	2.40	49-52	49	1,978	24.1	172	280
1982/83.....	⁴ 2.55-2.90	2.70	50-57	53	1,579	19.2	⁶ 349	⁶ 1,150
1983/84.....	2.65	2.86	51	55	162	3.9	9	202
1984/85.....	2.55	3.03	48	57	1,100	14.3	65	225
1985/86.....	2.55	3.03	50	59	3,158	35.6	580	546
1986/87.....	1.92	3.03	39	61	4,894	59.5	1,332	1,443
1987/88.....	1.82	3.03	37	61	4,186	58.7	787	835
1988/89.....	1.77	2.93	35	57	756	15.3	151	363
1989/90.....	1.65	2.84	31	53	920	12.2	361	233
1990/91.....	1.57	2.75	28	50	1,070	13.5	⁸ 285	⁸ 400
1991/92 ⁸	1.62	2.75						

¹ Percentage of parity price as of the beginning of the marketing year. ² Represents loans made, purchases, and purchase agreements entered into. Percentage of production is on a grain basis. ³ Acquisition of all loans forfeited during the marketing year including loans made in previous year. For 1979, acquired through direct purchases by CCC. ⁴ Smaller value is regular loan; larger value is loan rate for crops in the farmer-owned reserve. ⁵ Producers who exceed their NCA will be eligible for the Lower Target price. ⁶ Includes Payment-In-Kind purchases. ⁷ Change in 1986 marketing year from October 1 to September 1 reflect adjustments made in supply/use and prices starting in 1976. ⁸ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 46.—Corn: United States exports (domestic), by country of destination, 1988 and 1989

Country of destination	Year ¹		Country of destination	Year ¹	
	1988	1989		1988	1989
	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons
Corn:					
Canada.....	158	704	Korea, Rep. of.....	4,411	4,585
Mexico.....	2,899	3,116	Taiwan.....	4,169	3,625
Venezuela.....			Japan.....	14,816	13,016
Peru.....	440	122	Other Asia.....	1,051	226
Brazil.....	0	20	Total Asia.....	24,447	21,452
Chile.....	263	83	Egypt.....	1,014	906
Other Americas.....	290	367	Nigeria.....	0	0
Total Americas.....	4,050	4,412	Other Africa.....	1,512	1,351
EC.....	316	285	Total Africa.....	2,526	2,256
Spain.....	1,829	1,280	Other countries.....	3,806	3,862
Portugal.....	604	527	World total.....	43,954	50,481
Other Western Europe.....	70	97	Relief or charity ²		
Total W. Europe.....	2,819	2,189			
E. Germany.....	495	345			
Poland.....	5	0			
Soviet Union.....	4,976	14,873			
Other E. Europe.....	832	1,092			
Total E. Europe and Soviet Union.....	6,308	16,310			

¹ Year beginning Oct. 1. ² 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, 1976-90

Year	Area		Yield per harvested acre	Production	Used on farms where produced	Sold	Market- ing year average price per bushel received by farmers ²	Value of produc- tion ²
	Planted ¹	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
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	(³)	(³)	1.33	713,834
1980.....	13,381	8,657	53.0	458,792	(³)	(³)	1.72	812,741
1981.....	13,632	9,407	54.2	509,529	(³)	(³)	1.88	954,474
1982.....	13,951	10,258	57.8	592,630	(³)	(³)	1.49	883,167
1983.....	20,289	9,072	52.6	476,961	(³)	(³)	1.62	794,520
1984.....	12,414	8,163	58.0	473,661	(³)	(³)	1.67	797,854
1985.....	13,255	8,177	63.7	520,800	(³)	(³)	1.23	644,765
1986.....	14,691	8,660	56.3	386,356	(³)	(³)	1.21	470,625
1987.....	17,907	6,888	54.3	373,713	(³)	(³)	1.56	605,599
1988.....	13,910	5,533	39.3	217,600	(³)	(³)	2.61	532,621
1989.....	12,085	6,882	54.3	373,587	(³)	(³)	1.49	548,938
1990 ⁴	10,423	5,940	60.1	357,149	(³)	(³)	1.12	408,192

¹ Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ³ Estimates discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 48.—Oats: Stocks on and off farms, United States, 1976-90

Year beginning October	On farms				Off farms ¹			
	Oct. 1	Jan. 1	Apr. 1	June 1	Oct. 1	Jan. 1	Apr. 1	June 1
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
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	61,817	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.....	425,065	322,127	226,553	151,129	79,090	56,404	43,300	29,815
1984.....	398,558	300,332	211,676	146,450	76,540	57,727	44,676	33,423
1985.....	417,387	311,207	(²)	147,181	94,993	68,426	(²)	36,534
1986 ³			(²)	103,300			(²)	29,446
1987.....			(²)	76,900			(²)	35,129
1988.....			(²)	59,930			(²)	38,404

Year beginning September	On farms				Off farms ¹			
	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1989.....			140,000	82,850			74,749	74,062
1990 ^{4,5}	234,700	194,700	138,600	92,400	117,009	99,398	90,659	78,763

¹ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ² Discontinued. ³ Per program modification estimates available only for June 1. ⁴ Per program modifications: stocks estimates for oats were restored for Sept. 1, Dec. 1, and Mar. 1. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 49.—Oats: Supply and disappearance, United States, 1976–90

Year beginning June	Supply				Disappearance					Ending stocks May 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held ¹	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
1976.....	205	540	1	746	488	86	574	8	582	164	0	164
1977.....	164	758	2	919	515	81	596	10	606	313	0	313
1978.....	313	582	1	896	530	75	605	10	615	277	3	280
1979.....	280	527	1	808	495	73	568	3	571	234	3	236
1980.....	236	459	1	696	437	74	511	9	519	175	2	177
1981.....	177	510	2	689	458	75	533	4	536	151	1	152
1982.....	152	593	4	749	443	85	528	1	528	219	1	220
1983.....	220	477	30	727	474	70	544	1	545	179	2	181
1984.....	181	474	34	688	436	72	508	1	508	179	1	180
1985.....	180	519	27	726	464	77	541	1	542	182	2	184
1986.....	184	385	32	601	385	83	468	1	468	129	4	133
1987.....	133	374	46	552	358	81	440	1	440	108	4	112
1988.....	112	218	63	393	194	100	294	1	294	96	2	98
1989.....	98	374	66	538	265	115	380	1	381	156	1	157
1990 ³	157	357	65	579	299	120	419	1	420	159	0	159

¹ Includes total Government loans (original and resale).
Economic Research Service.

² Less than 500,000 bushels.

³ Preliminary.

Table 50.—Oats: Price-support operations, United States, 1976/77–1991/92

Year beginning June 1 ¹	Support price				Put under support ³		Acquired by CCC under support program ⁴	Owned by CCC at end of marketing year
	Per bushel		Percentage of parity ²		Quantity	Percentage of production		
	Loan	Target	Loan	Target			Million bushels	Percent	Million bushels	Million bushels
	Dollars	Dollars	Percent	Percent	Million bushels	Percent	Million bushels	Million bushels
1976/77.....	0.72		45		4.6	0.8		
1977/78.....	1.03		59		82.9	11.0		
1978/79.....	1.03		54		25.1	4.2	1.3	2.7
1979/80.....	1.08		50		12.0	2.2	.2	2.7
1980/81.....	⁵ 1.16–1.23		50–53		6.3	1.4		2.3
1981/82.....	⁵ 1.24–1.31		47–50		9.7	1.9	.4	.7
1982/83.....	⁵ 1.31–1.49	1.50	47–53	54	9.2	1.5	.7	1.4
1983/84.....	1.36	1.60	46	54	3.6	.8	.8	1.4
1984/85.....	1.31	1.60	42	52	3.2	.7	.1	1.9
1985/86.....	1.31	1.60	43	53	5.6	1.1	1.1	3.5
1986/87.....	.99	1.60	35	56	7.8	2.0	1.9	3.5
1987/88.....	.94	1.60	34	58	2.9	.8	.5	3.5
1988/89.....	.90	1.55	32	55	1.0	.5	.1	2.4
1989/90.....	.85	1.50	27	48	1.8	.5	.1	.7
1990/91.....	.81	1.45	24	44	⁶ 1.6	.4	⁶ 0	⁶ 4
1991/92.....	.83	1.45						

¹ Years begin on June 1. ² Percentage of the parity price as of the beginning of the marketing year.

³ Includes loans made, purchases, and purchase agreements entered into. Higher figure denotes reserve loan rate.

⁴ Acquisitions and loans forfeited during the marketing year including loans made in previous year. ⁵ Smaller

value is regular loan; larger value is loan rate for crops in the farmer-owned reserve. ⁶ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 51.—Oats: Area, yield, and production, by States, 1988-90

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	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.....	35	45	45	20	25	25	55.0	55.0	50.0	1,100	1,375	1,250
AR.....	40	65	55	35	60	45	90.0	73.0	60.0	3,150	4,380	2,700
CA.....	365	400	380	35	45	40	78.0	75.0	75.0	2,730	3,375	3,000
CO.....	110	95	90	60	55	45	50.0	55.0	50.0	3,000	3,025	2,250
GA.....	80	90	65	45	70	40	63.0	59.0	56.0	2,835	4,130	2,240
ID.....	70	90	60	45	60	30	68.0	68.0	66.0	3,060	4,080	1,980
IL.....	1,400	700	600	180	200	170	51.0	80.0	68.0	9,180	16,000	11,560
IN.....	350	200	140	75	95	70	40.0	72.0	69.0	3,000	6,840	4,830
IA.....	2,100	1,550	1,300	500	750	600	50.0	72.0	68.0	25,000	54,000	40,800
KS.....	225	280	160	150	200	120	39.0	45.0	55.0	5,850	9,000	6,600
KY.....	30	24		8	8		50.0	60.0		400	480	
ME.....	42	40	36	39	37	31	75.0	70.0	65.0	2,925	2,590	2,015
MD.....	20	28	22	17	24	17	52.0	55.0	58.0	884	1,320	986
MI.....	300	330	250	200	300	225	30.0	67.0	58.0	6,000	20,100	13,050
MN.....	1,700	1,250	1,100	750	850	730	33.0	55.0	66.0	24,750	46,750	48,180
MO.....	110	110	60	40	60	42	38.0	60.0	53.0	1,520	3,600	2,226
MT.....	210	250	160	90	145	70	31.0	46.0	40.0	2,790	6,670	2,800
NE.....	650	500	450	320	240	280	38.0	36.0	48.0	12,160	8,640	13,440
NJ.....	6	8		4	6		50.0	44.0		200	264	
NY.....	180	180	160	145	155	135	52.0	59.0	61.0	7,540	9,145	8,235
NC.....	100	100	80	55	55	40	70.0	57.0	61.0	3,850	3,135	2,440
ND.....	1,100	1,150	1,000	400	650	600	18.0	31.0	51.0	7,200	20,150	30,600
OH.....	300	300	270	200	250	230	45.0	63.0	70.0	9,000	15,750	16,100
OK.....	140	130	100	65	60	60	42.0	34.0	38.0	2,730	2,040	2,280
OR.....	95	105	70	65	70	45	100.0	98.0	102.0	6,500	6,860	4,590
PA.....	290	280	270	260	255	240	50.0	54.0	66.0	13,000	13,770	15,840
SC.....	85	70	60	48	40	32	63.0	59.0	57.0	3,024	2,360	1,824
SD.....	1,400	1,450	1,250	800	1,100	950	25.0	40.0	56.0	20,000	44,000	53,200
TX.....	1,100	1,100	1,100	200	200	225	45.0	33.0	41.0	9,000	6,600	9,225
UT.....	32	36	40	14	17	12	72.0	74.0	68.0	1,008	1,258	816
VA.....	35	27		12	9		53.0	55.0		636	495	
WA.....	80	85	80	35	45	40	67.0	63.0	66.0	2,345	2,835	2,640
WV.....	10	10	10	6	6	6	48.0	50.0	57.0	288	300	342
WI.....	1,050	940	900	580	710	710	34.0	66.0	67.0	19,720	46,860	47,570
WY.....	70	67	60	35	30	35	35.0	47.0	44.0	1,225	1,410	1,540
US.....	13,910	12,085	10,423	5,533	6,882	5,940	39.3	54.3	60.1	217,600	373,587	357,149

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

National Agricultural Statistics Service.

Table 52.—Oats and oatmeal: United States exports, by country of destination, 1988 and 1989¹

Country of destination	Year ¹		Country of destination	Year ¹	
	1988	1989		1988	1989
	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons
Oats:					
Mexico.....	0.6	5.5	Mexico.....	.03	.3
Nicaragua.....	0	0	Central America.....	2.4	1.6
Panama.....	0	0	Peru.....	0	0
Colombia.....	.07	.08	Ecuador.....	.9	0
Venezuela.....	0	0	Bolivia.....	4.5	0
E. Europe, Soviet Union, and Poland.....	0	0	Other Americas.....	.7	.8
Other countries.....	5.6	5.4	Other countries.....	8.53	.7
World total ²	6.9	11.0	World total.....	8.7	3.4

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

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

Table 53.—Oats: Marketing year average price and value, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per bushel			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	1.95	1.25	1.50	2,145	1,719	1,875
AR.....	1.99	1.32	1.40	6,269	5,782	3,780
CA.....	2.45	1.66	1.60	6,689	5,603	4,800
CO.....	2.45	1.45	1.70	7,350	4,386	3,825
GA.....	1.81	1.65	1.40	5,131	6,815	3,136
ID.....	2.05	1.50	1.45	6,273	6,120	2,871
IL.....	2.58	1.40	1.10	23,684	22,400	12,716
IN.....	2.76	1.52	1.20	8,280	10,397	5,796
IA.....	2.85	1.51	1.10	71,250	81,540	44,880
KS.....	2.50	1.60	1.30	14,625	14,400	8,580
KY.....	2.50	1.57		1,000	754	
ME.....	1.70	1.20	1.15	4,973	3,108	2,317
MD.....	2.29	1.60	1.45	2,024	2,112	1,430
MI.....	2.65	1.46	1.15	15,900	29,346	15,007
MN.....	2.59	1.51	1.05	64,103	70,593	50,589
MO.....	3.25	1.65	1.20	4,940	5,940	2,871
MT.....	2.26	1.42	1.05	6,305	9,471	2,940
NE.....	2.39	1.56	1.20	29,062	13,478	16,128
NJ.....	1.85	1.80		370	475	
NY.....	2.18	1.35	1.40	16,437	12,346	11,529
NC.....	1.60	1.40	1.80	6,160	4,389	4,392
ND.....	2.34	1.20	.92	16,848	24,180	28,152
OH.....	2.61	1.46	1.20	23,490	22,995	19,320
OK.....	2.10	2.10	1.80	5,733	4,284	4,104
OR.....	2.18	1.50	1.45	14,170	10,290	6,656
PA.....	2.34	1.66	1.35	30,420	22,858	21,384
SC.....	1.80	1.50	1.50	5,443	3,540	2,736
SD.....	2.57	1.45	1.05	51,400	63,800	55,860
TX.....	2.42	2.06	1.50	21,780	13,596	13,838
UT.....	2.56	1.70	1.65	2,580	2,139	1,346
VA.....	1.75	1.70		1,113	842	
WA.....	2.05	1.35	1.15	4,807	3,827	3,036
WV.....	2.60	1.45	1.15	749	435	393
WI.....	2.44	1.34	1.05	48,117	62,792	49,949
WY.....	2.45	1.55	1.40	3,001	2,186	2,156
US.....	2.61	1.49	1.12	532,621	548,938	408,192

¹ Preliminary.

National Agricultural Statistics Service.

Table 54.—Oats: Area, yield, and production in specified countries, 1988/89–1990/91¹

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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.....	1,371	1,708	1,500	2.18	2.08	2.33	2,993	3,546	3,500
Mexico.....	100	110	105	1.00	1.00	1.00	100	110	105
United States.....	2,239	2,785	2,404	1.41	1.95	2.16	3,158	5,423	5,184
Total.....	3,710	4,603	4,009	1.68	1.97	2.19	6,251	9,079	8,789
South America:									
Argentina.....	355	430	324	1.27	1.44	1.34	451	620	434
Brazil.....	119	195	200	1.13	1.18	.98	135	230	195
Chile.....	69	78	79	2.42	2.63	2.49	167	205	197
Colombia.....	3	3	3	1.33	1.33	1.33	4	4	4
Ecuador.....	1	1	1	1.00	1.00	1.00	1	1	1
Uruguay.....	78	80	80	.74	.75	.75	58	60	60
Total.....	625	787	687	1.31	1.42	1.30	816	1,120	891

See footnotes at end of table.

Table 54.—Oats: Area, yield, and production in specified countries, 1988/89–1990/91¹—
Continued

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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:									
Belgium-Luxembourg	22	20	14	4.36	3.15	3.71	96	63	52
Denmark	43	27	20	4.70	4.63	6.05	202	125	121
France	261	260	220	3.77	3.73	3.86	984	970	850
Germany	724	658	473	4.06	3.68	4.45	2,941	2,422	2,105
Greece	40	40	40	1.83	1.55	1.55	73	62	62
Ireland	20	19	19	4.90	5.42	6.11	98	103	116
Italy	171	169	158	2.24	1.75	1.94	383	296	306
Netherlands	13	8	3	4.62	4.00	5.33	60	32	16
Portugal	187	188	108	.49	.69	.57	81	130	62
Spain	335	345	350	1.60	1.43	1.50	537	494	524
United Kingdom	120	119	106	4.54	4.45	5.19	545	530	550
Total EC	1,916	1,853	1,511	3.13	2.82	3.15	6,000	5,227	4,764
Austria	69	67	62	3.96	3.72	3.94	273	249	244
Finland	388	446	453	2.21	3.24	3.67	857	1,444	1,662
Norway	127	134	130	3.02	3.13	4.58	383	420	596
Sweden	424	411	358	3.14	3.54	4.42	1,330	1,455	1,584
Switzerland	9	11	8	5.33	5.45	6.88	48	60	55
Total Western Europe	2,933	2,922	2,522	3.03	3.03	3.53	8,891	8,855	8,905
Albania	20	20	20	1.50	1.50	1.50	30	30	30
Bulgaria	27	26	26	1.96	1.73	1.73	53	45	45
Czechoslovakia	115	102	91	3.13	3.24	4.55	360	330	414
Hungary	42	42	48	3.19	3.10	3.29	134	130	158
Poland	850	803	747	2.61	2.72	2.84	2,222	2,186	2,119
Romania	75	106	144	2.13	1.58	1.63	160	168	234
Yugoslavia	135	144	139	1.87	1.94	2.01	253	279	280
Total Eastern Europe	1,264	1,243	1,215	2.54	2.55	2.70	3,212	3,168	3,280
Total Europe	4,197	4,165	3,737	2.88	2.89	3.26	12,103	12,023	12,185
Soviet Union (Europe and Asia)	10,946	10,751	10,700	1.40	1.57	1.68	15,287	16,828	18,000
Africa:									
Algeria	108	100	80	.23	.54	.50	30	54	40
Morocco	54	54	55	.94	1.07	1.00	51	58	55
South Africa, Rep. of	400	400	400	.13	.11	.11	50	45	45
Total	562	554	535	.23	.28	.26	131	157	140
Asia:									
China (Mainland)	562	550	560	1.19	1.20	1.21	670	660	680
Japan	5	3	4	2.00	2.00	2.00	10	6	8
Turkey	155	154	152	1.94	1.75	1.84	300	270	280
Total	722	707	716	1.36	1.32	1.35	980	936	968
Oceania:									
Australia	1,332	1,136	1,159	1.40	1.44	1.42	1,867	1,638	1,645
New Zealand	19	19	20	3.74	3.74	3.70	71	71	74
Total	1,351	1,155	1,179	1.43	1.48	1.46	1,938	1,709	1,719
World total	22,113	22,722	21,563	1.70	1.84	1.98	37,506	41,852	42,692

¹ 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 1987 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1987 and ends early in 1988.

² Harvested area as far as possible. ³ 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 55.—Barley: Area, yield, production, disposition, and value, United States, 1976-90

Year	Area		Yield per harvested acre	Production	Used on farms where produced	Sold	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
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	(³)	(³)	2.27	872,308
1980.....	8,320	7,260	49.7	361,135	(³)	(³)	2.79	1,016,842
1981.....	9,618	9,038	52.4	473,512	(³)	(³)	2.48	1,154,497
1982.....	9,549	9,013	57.2	515,935	(³)	(³)	2.18	1,143,209
1983.....	10,422	9,731	52.3	508,925	(³)	(³)	2.47	1,268,906
1984.....	11,957	11,231	53.4	599,204	(³)	(³)	2.29	1,356,316
1985.....	13,156	11,603	51.0	591,383	(³)	(³)	1.98	1,132,537
1986.....	13,059	12,007	50.8	610,522	(³)	(³)	1.61	993,905
1987.....	10,929	9,957	52.4	521,499	(³)	(³)	1.81	967,008
1988.....	9,831	7,636	38.0	289,994	(³)	(³)	2.80	775,229
1989.....	9,125	8,313	48.6	404,203	(³)	(³)	2.42	968,180
1990 ⁴	8,201	7,499	55.9	418,856	(³)	(³)	2.14	905,923

¹ Barley sown for all purposes, including barley sown in the preceding fall. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ³ Estimates discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 56.—Barley: Stocks on and off farms, United States, 1976-90

Year beginning October	On farms				Off farms ¹			
	Oct. 1	Jan. 1	Apr. 1	June 1	Oct. 1	Jan. 1	Apr. 1	June 1
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
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	62,536
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.....	344,312	244,836	169,327	116,998	171,630	122,682	99,563	72,395
1984.....	403,309	307,300	216,721	163,361	171,479	129,623	103,147	84,083
1985.....	462,298	365,647	(²)	199,288	193,302	165,360	(²)	127,956
1986 ²				193,875				142,437
1987 ²				193,020				128,107
Year beginning September	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1988.....	238,910	182,470	123,265	84,519	211,468	189,648	157,334	111,877
1989.....	254,350	186,440	102,825	48,590	163,598	164,168	149,870	112,226
1990 ³	258,400	176,400	94,850	48,990	152,453	129,327	116,062	86,854

¹ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ² Per program modification estimates not available for Apr., Oct., and/or Jan. ³ Preliminary.

National Agricultural Statistics Service.

Table 57.—Barley: Supply and disappearance, United States, 1976-90

Year beginning June	Supply				Disappearance					Ending stocks May 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Private-ly held ¹	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
1976.....	128	383	9	520	174	155	329	65	394	126	0	126
1977.....	126	428	7	561	177	155	332	55	388	173	0	173
1978.....	173	455	7	635	215	167	382	25	407	226	2	228
1979.....	228	383	7	618	202	172	373	53	426	189	3	192
1980.....	192	361	6	559	168	178	346	76	422	134	3	137
1981.....	137	474	7	618	198	174	371	98	470	145	3	148
1982.....	148	516	8	672	241	170	411	44	455	211	6	217
1983.....	217	508	5	730	280	172	452	89	541	177	12	189
1984.....	189	598	8	795	306	170	476	72	548	232	16	247
1985.....	247	590	6	844	328	169	497	20	517	270	57	327
1986.....	327	609	7	942	298	174	472	134	606	261	76	336
1987.....	336	522	11	869	253	174	427	121	548	271	50	321
1988.....	321	290	11	622	166	180	346	79	425	166	30	196
1989.....	196	404	13	614	190	179	368	85	453	142	19	161
1990 ²	161	419	10	590	200	178	378	85	463	120	7	127

¹ Includes Government loans (original and resale). ² Preliminary.
Economic Research Service.

Table 58.—Barley: Area, yield, and production, by States, 1988-90

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	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.....	15	15	17	13	12	15	104.0	103.0	105.0	1,352	1,236	1,575
CA.....	360	320	280	280	250	200	61.0	58.0	50.0	17,080	14,500	10,000
CO.....	185	190	155	175	160	150	67.0	76.0	80.0	11,725	12,160	12,000
DE.....	35	50	30	30	40	27	72.0	55.0	70.0	2,160	2,200	1,890
ID.....	880	870	790	850	850	780	60.0	70.0	72.0	51,000	59,500	56,160
KS.....	100	60	25	85	18	21	35.0	32.0	44.0	2,975	576	924
KY.....	16	20	19	14	17	17	77.0	67.0	60.0	1,078	1,139	1,020
MD.....	80	90	70	69	80	63	69.0	50.0	68.0	4,761	4,000	4,284
MI.....	50	45	45	38	40	43	32.0	58.0	60.0	1,216	2,320	2,580
MN.....	1,250	925	850	850	800	800	32.0	55.0	63.0	27,200	44,000	50,400
MT.....	1,800	1,700	1,600	1,250	1,600	1,380	24.0	43.0	41.0	30,000	68,800	56,580
NE.....	70	35	25	60	25	22	32.0	26.0	40.0	1,920	650	880
NV.....	14	12	12	12	11	9	80.0	90.0	75.0	960	990	675
NJ.....	16	12	8	9	8	6	67.0	59.0	62.0	603	472	372
NM.....	11	10	.....	6	5	.....	65.0	75.0	.....	390	375	.....
NC.....	48	50	35	42	43	30	68.0	48.0	53.0	2,856	2,064	1,590
ND.....	2,800	2,800	2,600	2,150	2,650	2,450	21.0	37.0	53.0	45,150	98,050	129,850
OK.....	20	25	20	16	20	17	48.0	40.0	41.0	768	800	697
OR.....	225	200	145	200	180	180	74.0	67.0	70.0	14,800	12,060	9,100
PA.....	60	90	65	55	85	60	66.0	59.0	69.0	3,630	5,015	4,140
SC.....	17	12	15	14	10	13	60.0	56.0	52.0	840	560	676
SD.....	700	650	550	450	550	500	18.0	35.0	49.0	8,100	19,250	24,500
TX.....	35	25	30	18	15	16	30.0	32.0	38.0	540	480	608
UT.....	139	134	115	125	114	105	77.0	79.0	81.0	9,625	9,006	8,505
VA.....	95	95	100	75	75	80	71.0	65.0	66.0	5,325	4,875	5,280
WA.....	580	500	400	560	490	390	62.0	58.0	58.0	34,720	28,420	22,620
WI.....	100	80	70	75	65	50	34.0	37.0	54.0	2,550	3,705	2,700
WY.....	130	110	130	115	100	125	58.0	70.0	74.0	6,670	7,000	9,250
US.....	9,831	9,125	8,201	7,636	8,313	7,499	38.0	48.6	55.9	289,994	404,203	418,856

¹ Relates to the total area of barley sown for all purposes, including barley sown in the preceding fall.
² Preliminary.
National Agricultural Statistics Service.

Table 59.—Barley: Marketing year average price and value, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per bushel			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
AZ.....	2.35	3.10	2.80	3,177	3,832	4,410
CA.....	2.75	2.66	2.60	46,970	38,570	26,000
CO.....	3.01	3.28	3.10	35,292	39,885	37,200
DE.....	1.83	1.90	1.90	3,953	4,180	3,591
ID.....	2.76	2.73	2.70	140,760	162,435	151,632
KS.....	2.30	2.00	1.70	6,842	1,152	1,571
KY.....	1.85	1.84	2.20	1,994	2,096	2,244
MD.....	1.91	2.05	2.00	9,094	8,200	8,568
MI.....	3.30	2.90	1.70	4,013	6,728	4,386
MN.....	2.67	2.62	1.85	72,624	115,280	93,240
MT.....	2.82	2.21	2.25	84,600	152,048	127,305
NE.....	1.90	1.75	2.20	3,648	1,138	1,936
NV.....	2.65	2.40	2.15	2,544	2,376	1,451
NJ.....	2.00	2.00	1.95	1,206	944	725
NM.....	2.41	2.52	.....	940	945	.....
NC.....	1.70	1.60	2.15	4,855	3,302	3,419
ND.....	2.97	2.15	1.90	134,096	210,808	246,715
OK.....	2.15	2.20	1.95	1,651	1,760	1,359
OR.....	2.49	2.27	2.35	36,852	27,376	21,385
PA.....	2.40	2.00	2.15	8,712	10,030	8,901
SC.....	1.95	2.05	2.20	1,638	1,148	1,487
SD.....	2.63	2.38	1.70	21,303	45,815	41,650
TX.....	2.00	2.10	2.15	1,080	1,008	1,307
UT.....	2.64	2.23	2.40	25,410	20,083	20,412
VA.....	1.95	2.10	2.10	10,384	10,238	11,088
WA.....	2.45	2.29	2.15	85,064	65,082	48,633
WI.....	2.32	2.10	1.60	5,916	7,781	4,320
WY.....	3.09	3.42	3.35	20,610	23,940	30,988
US.....	2.80	2.42	2.14	775,228	968,180	905,923

¹ Preliminary.

National Agricultural Statistics Service.

Table 60.—Barley: Price-support operations, United States, 1976/77-1991/92

Marketing year June 1 ¹	Support price				Put under support ³			Owned by CCC at end of market- ing year
	Per bushel		Percentage of parity ²		Quantity	Percent- age of produc- tion	Acquired by CCC under support pro- gram ⁴	
	Loan	Target	Loan	Target				
1976/77.....	1.22	1.28	44	46	19.2	5.2	.....	.....
1977/78.....	1.63	2.15	54	71	86.7	20.6	.....	.....
1978/79.....	1.63	2.25	50	69	67.6	15.1	2.5	2.5
1979/80.....	1.71	2.40	44	61	30.0	7.9	.8	3.2
1980/81.....	⁵ 1.83-1.95	⁶ 2.55-2.29	45-48	62-56	⁶ 31.2	8.6	.1	3.4
1981/82.....	⁵ 1.95-2.07	2.60	43-46	57	60.5	⁶ 12.6	3.7	3.3
1982/83.....	⁵ 2.08-2.37	2.60	44-50	55	92.6	17.9	4.4	6.0
1983/84.....	2.16	2.60	44	53	32.4	6.4	5.6	11.3
1984/85.....	2.08	2.60	42	52	57.0	9.5	3.4	14.6
1985/86.....	2.08	2.60	44	54	159.3	26.9	47.8	57.4
1986/87.....	1.56	2.60	35	58	164.7	27.0	60.7	75.5
1987/88.....	1.49	2.60	34	59	122.7	23.5	25.5	50.1
1988/89.....	1.44	2.51	32	56	21.9	7.6	10.3	30.4
1989/90.....	1.34	2.43	28	51	24.0	5.9	16.1	19.3
1990/91.....	1.28	2.36	26	48	⁷ 33.8	8.1	⁷ 4	8.4
1991/92.....	1.32	2.36	.....	.....	.....	.....	.....	.....

¹ Years begin on June 1. ² Percentage of parity price as of the beginning of the marketing year. ³ Represents loans made, purchases, and purchase agreements entered into. ⁴ Acquisition of all loans forfeited during the marketing year including loans made in previous years. ⁵ Smaller value is regular loan; larger value is loan rate for crops in the farmers-owned reserves. ⁶ Producers who exceed their NCA will be eligible for the lower target price. ⁷ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 61.—Barley and malt: United States exports, by country of destination, 1988 and 1989¹

Country of destination	Year ¹		Country of destination	Year ¹	
	1988	1989		1988	1989
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Barley: ²			Malt: ⁴		
Mexico.....	1.9	108.8	Canada.....	1.1	0
Germany, Fed. Rep. of.....	0	0	Mexico.....	0	97.1
Italy.....	0	0	Costa Rica.....	0	0
Netherlands.....	0	0	Dominican Republic.....	0	0
Belgium-Luxembourg.....	0	0	Jamaica.....	0	0
Other Europe.....	12.2	74.9	Guyana.....	0	0
Japan.....	68.0	113.6	Peru.....	0	0
Other countries.....	2,728.3	1,426.1	Venezuela.....	0	0
			Other Americas.....	.4	.2
World total ³	2,810.4	1,718.4	Japan.....	5.8	7.9
			Other countries.....	37.9	1.2
			World total.....	45.2	106.4

¹ Year beginning Oct. 1. ² U.S. Barley and U.S. Barley, N.S.P.F. ³ Transshipments through Canada have not been included in data for countries of ultimate destination. ⁴ 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, 1988/89-1990/91¹

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:									
Canada.....	4,152	4,658	4,600	2.46	2.50	2.93	10,212	11,666	13,500
Mexico.....	255	290	240	1.75	1.66	1.88	445	480	450
United States.....	3,090	3,364	3,035	2.04	2.62	3.00	6,314	8,800	9,120
Total.....	7,497	8,312	7,875	2.26	2.52	2.93	16,971	20,946	23,070
South America:									
Argentina.....	160	163	133	1.98	2.10	2.28	317	343	303
Bolivia.....	95	95	100	.76	.79	.79	72	75	79
Brazil.....	104	113	103	1.19	2.19	1.84	124	248	190
Chile.....	28	26	28	3.39	3.54	3.50	95	92	98
Colombia.....	50	50	53	1.70	1.98	1.98	85	99	105
Ecuador.....	25	28	28	1.08	1.07	1.07	27	30	30
Peru.....	119	116	80	1.13	1.08	1.00	134	125	80
Uruguay.....	78	65	65	1.67	1.46	1.46	130	95	95
Total.....	659	656	590	1.49	1.69	1.66	984	1,107	980
Europe:									
Belgium-Luxembourg.....	137	125	107	5.85	5.65	5.53	802	706	592
Denmark.....	1,165	988	887	4.65	5.02	5.62	5,419	4,959	4,984
France.....	1,862	1,810	1,760	5.26	5.44	5.74	9,800	9,840	10,100
Germany.....	2,710	2,625	2,613	4.94	5.49	5.35	13,385	14,416	13,992
Greece.....	220	225	245	2.50	2.22	1.96	550	500	480
Ireland.....	266	263	237	5.15	5.61	5.45	1,370	1,475	1,292
Italy.....	450	471	467	3.47	3.49	3.64	1,561	1,644	1,702
Netherlands.....	63	50	40	4.79	5.02	5.48	302	251	219
Portugal.....	74	125	55	.69	.70	1.13	51	87	62
Spain.....	4,175	4,260	4,359	2.89	2.14	2.16	12,070	9,100	9,414
United Kingdom.....	1,913	1,662	1,529	4.55	4.86	5.23	8,705	8,070	8,000
Total EC.....	13,035	12,604	12,299	4.14	4.05	4.13	54,015	51,048	50,837
Austria.....	292	292	292	4.68	4.87	5.21	1,366	1,422	1,520
Finland.....	682	517	486	2.36	3.15	3.54	1,612	1,630	1,720
Malta & Gozo.....	1	1	1	2.00	2.00	2.00	2	2	2
Norway.....	173	175	173	3.14	3.34	4.08	544	585	706
Sweden.....	537	477	461	3.50	3.92	4.60	1,879	1,870	2,122
Switzerland.....	54	56	55	5.56	6.43	5.82	300	360	320
Total Western Europe.....	14,774	14,122	13,767	4.04	4.03	4.16	59,718	56,917	57,227

See footnotes at end of table.

Table 62.—Barley: Area, yield, and production in specified countries, 1988/89-1990/91 ¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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	2.69	2.69	2.69	35	35	35
Bulgaria.....	345	360	360	3.81	4.36	3.74	1,313	1,568	1,345
Czechoslovakia.....	820	752	743	4.15	4.72	5.45	3,400	3,550	4,051
Hungary.....	264	282	297	4.43	4.69	4.58	1,170	1,323	1,359
Poland.....	1,250	1,175	1,174	3.04	3.38	3.59	3,804	3,909	4,217
Romania.....	750	768	750	4.00	4.43	3.60	3,000	3,400	2,700
Yugoslavia.....	222	242	245	2.77	2.90	2.82	615	702	692
Total Eastern Europe.....	3,664	3,592	3,582	3.64	4.03	4.02	13,337	14,487	14,399
Total Europe.....	18,438	17,714	17,349	3.96	4.03	4.13	73,055	71,404	71,626
Soviet Union (Europe and Asia).....	29,732	27,642	26,100	1.50	1.75	2.34	44,463	48,509	61,000
Africa:									
Algeria.....	674	1,000	1,060	.58	.70	.66	390	700	700
Egypt.....	37	55	55	2.95	3.09	3.09	109	170	170
Ethiopia.....	850	850	875	1.47	1.06	1.30	1,250	900	1,138
Kenya.....	85	85	85	1.06	1.06	1.06	90	90	90
Libya.....	280	280	280	.27	.27	.29	75	75	80
Morocco.....	2,499	2,399	2,415	1.38	1.25	.89	3,454	2,999	2,138
South Africa:									
Republic of.....	80	97	110	1.71	3.00	2.62	137	291	288
Tunisia.....	151	412	500	.42	.49	.96	63	200	478
Zimbabwe.....	5	5	5	6.00	6.00	6.00	30	30	30
Total.....	4,661	5,183	5,385	1.20	1.05	.95	5,598	5,455	5,112
Asia:									
Afghanistan.....	245	245	300	1.02	1.02	1.00	250	250	300
Bangladesh.....	7	7	7	.71	.71	.71	5	5	5
Bhutan.....	10	4	5	1.00	1.00	1.00	10	4	5
China (Mainland).....	3,700	3,277	3,300	1.67	1.74	1.73	6,180	5,688	5,700
Cyprus.....	55	55	65	2.31	2.36	1.62	127	130	105
India.....	1,143	1,081	991	1.38	1.59	1.48	1,577	1,722	1,469
Iran.....	2,575	2,500	2,500	1.32	.90	1.04	3,395	2,250	2,600
Iraq.....	1,314	913	1,200	1.09	.73	.92	1,437	663	1,100
Israel.....	15	14	14	.67	.29	.14	10	4	2
Japan.....	114	113	106	3.50	3.28	3.26	399	371	346
Jordan.....	65	44	45	.82	.66	.56	53	29	25
Korea, Republic of.....	195	179	159	4.00	3.99	3.62	780	715	575
Lebanon.....	4	4	5	1.25	1.25	1.20	5	5	6
Nepal.....	29	29	29	.83	.93	.86	24	27	25
Pakistan.....	145	159	155	.77	.77	.85	112	123	131
Saudi Arabia.....	80	65	75	2.50	4.62	5.33	200	300	400
Syria.....	1,844	750	1,000	1.36	.36	.50	2,500	271	500
Turkey.....	3,300	3,350	3,400	2.12	1.46	1.76	7,000	4,900	6,000
Yemen.....	50	50	52	1.10	1.00	1.06	55	50	55
Total.....	14,890	12,839	13,408	1.62	1.36	1.44	24,119	17,507	19,349
Oceania:									
Australia.....	2,281	2,310	2,520	1.48	1.75	1.65	3,306	4,044	4,159
New Zealand.....	83	88	97	4.29	3.70	3.90	356	326	378
Total.....	2,314	2,398	2,617	1.58	1.82	1.73	3,662	4,370	4,537
World total.....	78,191	74,744	73,324	2.16	2.27	2.53	168,852	169,298	185,674

¹ 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 1987 is combined with estimates of the Southern Hemisphere harvests, which begin late in 1987 and end early in 1988.

² Harvested area as far as possible. ³ 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 63.—Grains and grain products: Total and per capita civilian consumption as food, United States, 1976–90

Calendar year	Wheat			Rye		Rice (milled)		Corn					Oats		Barley		
	Total consumed ¹	Per capita consumption of food products		Total consumed ¹	Per capita consumption of rye flour	Total consumed ¹	Per capita consumption	Total consumed ³	Per capita consumption of food products					Total consumed ⁴	Per capita consumption of oat food products	Total consumed ⁵	Per capita consumption of food products ⁶
		Flour ²	Cereal						Flour and meal	Hominy and grits	Syrup	Sugar	Starch				
	<i>Million bushels</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>	<i>Million cwt.</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>	<i>Million bushels</i>	<i>Pounds</i>
1976	588	119	3.0	3.9	1.0	15.3	7.1	387	5.8	3.0	24.4	5.0	2.8	47	6.9	6.5	1.0
1977	587	115	3.1	3.6	.9	16.4	7.5	414	6.6	3.3	26.6	4.1	2.9	47	6.8	6.6	1.0
1978	592	115	3.1	3.7	.9	12.4	5.6	436	6.8	3.1	28.8	3.8	2.9	50	7.1	7.3	1.1
1979	596	117	3.1	3.5	.9	21.0	9.4	461	7.1	3.0	32.2	3.6	2.8	53	7.5	7.5	1.1
1980	610	117	3.1	3.6	.9	21.4	9.5	514	7.4	2.8	35.9	3.5	2.7	55	7.7	7.2	1.1
1981	602	116	3.1	3.5	.8	25.2	11.0	536	7.7	2.7	39.8	3.5	2.9	56	7.7	7.5	1.1
1982	616	117	3.1	3.3	.8	27.3	11.8	579	8.0	2.9	44.5	3.5	2.8	58	8.0	7.3	1.1
1983	642	118	3.1	3.5	.8	22.8	9.8	616	8.4	3.0	49.1	3.5	3.3	59	8.0	7.2	1.0
1984	651	119	3.1	3.5	.8	20.3	8.6	664	9.4	3.1	55.3	3.5	3.1	60	8.1	7.1	1.0
1985	674	125	3.1	3.5	.8	21.7	9.1	685	10.3	3.2	62.1	3.5	3.3	60	8.0	7.0	1.0
1986	698	126	3.2	3.5	.8	28.0	11.7	693	12.0	3.3	64.0	3.5	3.3	64	8.8	7.4	1.0
1987	721	130	3.3	3.5	.8	33.5	13.9	699	14.0	3.4	65.1	3.5	3.6	70	9.2	7.5	1.1
1988	726	130	3.4	3.5	.8	35.1	14.4	709	12.6	3.1	65.8	3.6	3.5	80	10.4	7.5	1.0
1989	753	129	3.5	3.5	.8	38.3	15.6	728	13.5	3.1	66.0	3.6	3.6	90	11.6	7.7	1.1
1990 ⁷	790	138	3.6	3.5	.8	41.2	16.6	748	13.4	3.1	67.0	3.7	3.7	n.a.	n.a.	n.a.	n.a.

n.a. not available. ¹ Excludes quantities used in alcoholic beverages. ² Includes white, whole wheat, and semolina flour. ³ Includes an allowance for the quantity used as hominy and grits. ⁴ Oats used in oatmeal, prepared breakfast foods, infant foods, and food products. ⁵ Malt for food, breakfast food uses, pearl barley, and flour. ⁶ Malt equivalent of barley food products. ⁷ 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, 1976-90

Year	Area planted for all purposes ¹	Sorghum for grain ²						Sorghum for silage			Forage area harvested ⁴	
		Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Marketing year average price per bushel ³	Value of production ³	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
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	(⁵)	(⁵)	2.35	1,876,641	764	11.8	8,990	1,211
1980.....	15,639	12,513	46.3	579,343	(⁵)	(⁵)	2.91	1,696,641	734	9.5	7,003	1,412
1981.....	15,930	13,677	64.0	875,835	(⁵)	(⁵)	2.25	2,078,529	786	12.0	9,447	1,024
1982.....	16,028	14,137	59.1	835,983	(⁵)	(⁵)	2.47	2,090,774	603	12.3	7,403	914
1983.....	11,880	10,001	48.7	487,521	(⁵)	(⁵)	2.74	1,382,097	639	10.3	6,572	747
1984.....	17,254	15,355	56.4	866,241	(⁵)	(⁵)	2.32	2,054,805	609	10.6	6,472	679
1985.....	18,285	16,782	66.8	1,120,271	(⁵)	(⁵)	1.93	2,243,450	534	12.3	6,566	796
1986.....	15,336	13,859	67.7	938,124	(⁵)	(⁵)	1.37	1,322,196	500	11.8	5,898	(⁵)
1987.....	11,756	10,531	69.4	730,809	(⁵)	(⁵)	1.70	1,179,444	429	12.4	5,307	(⁵)
1988.....	10,343	9,042	63.8	576,686	(⁵)	(⁵)	2.27	1,337,424	518	10.1	5,252	(⁵)
1989.....	12,642	11,103	55.4	615,420	(⁵)	(⁵)	2.10	1,287,738	541	10.4	5,647	(⁵)
1990 ⁶	10,535	9,079	62.9	571,483	(⁵)	(⁵)	2.10	1,201,581	537	10.2	5,480	(⁵)

¹ Grain and sweet sorghum for all uses, including sirup. ² Includes both grain sorghum for grain, and sweet sorghum for grain or seed. ³ 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, prior to 1979. ⁴ Includes hogged or grazed and that cut and fed without removing grain. ⁵ Estimates discontinued. ⁶ Preliminary.

National Agricultural Statistics Service.

Table 65.—Sorghum grain: Stocks on and off farms, United States, 1976-91

Year	On farms				Off farms ¹			
	Jan. 1	Apr. 1	June 1	Oct. 1 ²	Jan. 1	Apr. 1	June 1	Oct. 1 ²
	<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>
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	(³)	138,044	⁴ 91,500	664,180	(³)	491,984	⁴ 459,506
1987.....	(⁵)	(³)	149,100	103,200	(⁵)	(³)	685,871	640,133
1988.....			105,900	69,420			701,945	593,231
1989.....			85,200	47,800			473,768	391,712

Year	On farms				Off farms			
	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1
1990.....		88,050	44,500	30,300		425,549	290,484	189,459
1991 * ⁶	140,000	73,780	43,750		372,340	259,099	176,332	

¹ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ² Old crop only. ³ Per program modification estimates available only for June 1 and September 1. ⁴ Beginning 1986, estimates for September 1. ⁵ Per program changes—estimates for Mar. 1 and Sept. 1 reinstated. ⁶ Preliminary.

National Agricultural Statistics Service.

Table 66.—Sorghum: Supply and disappearance, United States, 1976-90 ¹

Year beginning October	Supply				Disappearance					Ending stocks Sept. 30		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held ²	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
1976.....	<i>Million bushels</i> 82	<i>Million bushels</i> 711	<i>Million bushels</i>	<i>Million bushels</i> 793	<i>Million bushels</i> 411	<i>Million bushels</i> 11	<i>Million bushels</i> 422	<i>Million bushels</i> 254	<i>Million bushels</i> 676	<i>Million bushels</i> 117	<i>Million bushels</i> (³)	<i>Million bushels</i> 117
1977.....	117	781	.....	898	448	11	459	223	682	211	5	216
1978.....	216	731	.....	948	538	12	550	190	740	164	44	208
1979.....	208	807	.....	1,015	495	12	508	330	837	132	46	178
1980.....	178	579	.....	757	323	11	334	293	627	89	41	130
1981.....	130	876	.....	1,006	417	11	428	260	688	277	42	319
1982.....	319	835	.....	1,154	495	10	505	210	715	268	171	439
1983.....	439	488	(³)	927	385	10	395	245	640	184	103	287
1984.....	287	866	(³)	1,154	539	17	557	297	854	188	112	300
1985.....	300	1,120	.....	1,421	664	28	692	178	870	344	207	551
1986.....	551	939	.....	1,490	536	12	548	198	746	334	409	743
1987.....	743	731	.....	1,474	555	25	580	232	812	199	464	663
1988.....	663	577	.....	1,239	468	22	490	310	800	99	341	440
1989.....	440	615	(³)	1,055	517	15	532	303	835	57	163	220
1990 ⁴	220	571	.....	791	450	13	463	210	673	109	9	118

¹ 1976 to date revised based on new crop year, Sept. 1-Aug. 30. (resal). ² Less than 500 thousand bushels. ³ Preliminary.

⁴ Includes total Government loans (original and resal).

Economic Research Service.

Table 67.—Sorghum: Area, yield, and production, by States, 1988-90

State	Area planted for all purposes			Sorghum for grain								
	1988	1989	1990 ¹	Area harvested			Yield per harvested acre			Production		
				1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
AL.....	40	45	30	25	30	22	41.0	50.0	45.0	1,025	1,500	990
AZ.....	5	6		4	3		100.0	80.0		400	240	
AR.....	360	370	300	310	340	275	68.0	62.0	66.0	21,080	21,080	18,150
CA.....	20	13		15	9		30.0	90.0		1,200	810	
CO.....	270	400	270	180	325	220	46.0	35.0	47.0	8,280	11,375	10,340
GA.....	85	90	80	40	50	40	35.0	40.0	30.0	1,400	2,000	1,200
IL.....	90	150	210	80	140	195	75.0	83.0	75.0	6,000	11,620	14,625
KS.....	3,600	4,100	3,100	3,300	3,750	2,800	62.0	53.0	66.0	204,600	198,750	184,800
KY.....	15	13	35	10	9	31	55.0	80.0	84.0	550	720	2,604
LA.....	105	110	135	90	95	128	65.0	65.0	65.0	5,850	6,175	8,320
MS.....	165	100	90	155	85	85	56.0	53.0	65.0	8,680	4,505	5,525
MO.....	500	600	550	470	570	520	81.0	79.0	82.0	38,070	45,030	42,640
NE.....	1,600	1,850	1,600	1,360	1,630	1,400	76.0	62.0	77.0	103,360	101,060	107,800
NM.....	160	280	140	145	250	50	60.0	50.0	65.0	8,700	12,500	3,250
NC.....	85	90	65	55	60	40	42.0	54.0	46.0	2,310	3,240	1,840
OK.....	410	400	380	360	360	350	45.0	49.0	44.0	16,200	17,640	15,400
SC.....	28	30	40	8	10	8	32.0	45.0	33.0	256	450	264
SD.....	460	460	500	250	260	260	44.0	40.0	55.0	11,000	10,400	14,300
TN.....	45	35	60	35	27	55	65.0	75.0	77.0	2,275	2,025	4,235
TX.....	2,300	3,500	2,950	2,150	3,100	2,600	63.0	53.0	52.0	135,450	164,300	135,200
US.....	10,343	12,642	10,535	9,042	11,103	9,079	63.8	55.4	62.9	576,686	615,420	571,483

¹ Preliminary.

National Agricultural Statistics Service.

Table 68.—Sorghum: Utilization for silage, by States, 1988-90

State	Silage								
	Area harvested			Yield per acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons	
AL.....	6	10	4	9.0	10.0	9.0	54	100	36
AZ.....	1	3		17.0	20.0		17	60	
AR.....	4	7	6	8.0	11.0	11.0	32	77	66
CA.....	4	3		19.5	19.0		78	57	
CO.....	22	25	20	13.0	14.0	13.0	286	350	260
GA.....	36	35	25	9.0	12.0	10.0	324	420	250
IL.....	3	6	6	8.0	12.0	10.0	24	72	60
KS.....	140	130	100	10.0	11.0	13.5	1,400	1,430	1,350
KY.....	4	3	3	10.0	14.0	11.0	40	42	33
LA.....	4	4	1	11.0	11.0	9.0	44	44	9
MS.....	5	5	3	9.0	9.0	8.0	45	45	24
MO.....	10	15	20	8.5	10.0	11.0	85	150	220
NE.....	100	110	90	13.5	11.0	11.5	1,350	1,210	1,035
NM.....	2	3	3	14.0	12.0	12.0	28	36	36
NC.....	30	23	20	7.0	11.0	9.0	210	253	180
OK.....	14	13	12	12.0	13.0	8.0	168	169	96
SC.....	18	18	22	9.0	10.0	6.5	162	180	143
SD.....	90	100	175	6.8	6.0	8.0	612	600	1,400
TN.....	8	6	3	9.0	11.0	14.0	72	66	42
TX.....	17	22	24	13.0	13.0	10.0	221	286	240
US.....	518	541	537	10.1	10.4	10.2	5,252	5,647	5,480

¹ Preliminary.

National Agricultural Statistics Service.

Table 69.—Sorghum grain: Marketing year average price and value, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per bushel			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	2.58	2.10	2.21	2,645	3,150	2,188
AZ.....	3.08	2.83	.....	1,232	679	.....
AR.....	2.34	2.22	2.21	49,327	46,798	40,112
CA.....	3.21	2.63	.....	3,852	2,130	.....
CO.....	2.25	2.20	1.99	18,630	25,025	20,577
GA.....	2.25	2.58	2.46	3,150	5,160	2,952
IL.....	2.30	2.13	2.07	13,800	24,751	30,274
KS.....	2.21	2.00	1.99	452,166	397,500	367,752
KY.....	2.32	2.23	2.10	1,276	1,606	5,468
LA.....	2.41	2.30	2.38	14,099	14,202	19,802
MS.....	2.80	2.35	2.30	24,304	10,587	12,707
MO.....	2.39	2.16	2.13	90,987	97,265	90,823
NE.....	2.16	2.03	1.99	223,258	205,152	214,522
NM.....	2.54	2.18	2.46	22,098	27,250	7,995
NC.....	1.90	1.90	2.30	4,389	6,156	4,232
OK.....	2.42	2.09	2.13	39,204	36,868	32,802
SC.....	2.21	2.30	2.38	566	1,035	628
SD.....	1.96	1.88	1.79	21,560	19,552	25,597
TN.....	2.41	2.32	2.24	5,483	4,698	9,486
TX.....	2.55	2.18	2.32	345,398	358,174	313,664
US.....	2.27	2.10	2.10	1,337,424	1,287,738	1,201,581

¹ Preliminary.

National Agricultural Statistics Service.

Table 70.—Sorghum grain: Price-support operations, United States, 1976/77–1991/92

Marketing year	Support price				Put under support ²		Acquired by CCC under support program ³	Owned by CCC at end of marketing ⁵ year
	Per cwt.		Percentage of parity ¹		Quantity	Percentage of production		
	Loan	Target	Loan	Target				
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Million cwt.</i>	<i>Percent</i>	<i>Million cwt.</i>	<i>Million cwt.</i>
1976/77.....	2.55	2.66	46	48	12.5	3.1	.....	.....
1977/78.....	3.39	4.07	59	70	121.7	27.5	7.2	4 7.3
1978/79.....	3.39	4.07	55	66	51.6	12.3	17.1	24.4
1979/80.....	3.57	4.18	52	60	35.8	7.9	1.3	24.6
1980/81.....	⁶ 3.82–4.07	⁶ 4.46–4.38	49–53	58–57	18.1	5.6	1.1	21.4
1981/82.....	⁸ 4.07–4.32	4.55	49–52	55	155.0	31.5	6.5	24.0
1982/83.....	⁸ 4.32–4.91	4.64	50–57	54	134.5	28.8	⁷ 41.0	⁷ 92.4
1983/84.....	4.50	4.86	51	56	7.6	2.8	1.7	50.0
1984/85.....	4.32	5.14	48	57	36.4	7.5	36.4	67.6
1985/86.....	4.32	5.14	50	60	201.3	32.0	87.5	116.2
1986/87.....	3.25	5.14	39	61	222.2	42.3	127.9	229.0
1987/88.....	3.11	5.14	37	61	201.3	49.2	119.7	259.6
1988/89.....	3.00	4.96	35	57	22.7	7.0	17.0	190.9
1989/90.....	2.80	4.82	31	54	11.7	3.4	10.1	91.0
1990/91.....	2.66	4.66	29	50	⁹ 12.1	3.8	⁹ 5.0	⁹ 39.0
1991/92 ⁹	2.75	4.66	.....	.....	.....	.....	.....	.....

¹ Percentage of parity price as of the beginning of the marketing year. ² Represents loans made, purchases, and purchase agreements entered into. ³ Acquisition of all loans forfeited during the marketing year including loans made in previous years. ⁴ Uncommitted CCC inventory. ⁵ Smaller value is regular loan; larger value is loan rate for crops in the former-owned reserve. ⁶ Producers who exceed their NCA will be eligible for the lower target price. ⁷ Includes Payment-In-Kind purchases. ⁸ Change in 1986 marketing year from October 1 to September 1 reflect adjustments made in supply/use and prices starting in 1976. ⁹ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 71.—Sorghum grain: United States exports by country of destination, 1988-89 ¹

Country of destination	Year ¹		Country of destination	Year ¹	
	1988	1989		1988	1989
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Western Hemisphere:			Asia:		
Canada.....	1.5	1.1	Israel.....	0	0
Mexico.....	849.1	2,268.8	Japan.....	2,387.8	2,633.6
Other countries.....	1,851.5	1,090.8	Taiwan.....	90.2	73.3
Total Americas.....	2,702.1	3,360.7	Total Asia and Oceania.....	2,493.8	2,755.4
Europe:			Africa:		
Belgium-Luxembourg.....	0	0	Senegal.....	0	5.5
Germany, Fed. Rep. of.....	0	0	South Africa.....	1.9	0
Portugal.....	0	0	Other countries.....	183.5	121.3
Spain.....	199.4	226.5	Total Africa.....	185.4	126.8
Poland.....	126.8	92.5	World total.....	6,073.0	8,112.3
Other countries.....	0	999.5			
Total Europe.....	326.2	1,318.5			

¹ 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, 1976-89

Year ¹	Public Law 480				Foreign donations Section 416 ⁶	Mutual security (AID) ⁷	Total specified Government programs
	Title I sales		Title II donations				
	Sales for foreign currency ²	Long-term dollar and convertible foreign currency credit sales ³	Government-to-government and World Food Program ⁴	Voluntary relief agencies ⁵			
	<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>
1976.....		480	46	3		1,306	1,834
(*).....		(35)	(11)	(1)		(610)	(657)
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
1987.....	8	253	145	20	888	25	1,339
1988.....		133	131	21	743	231	1,259
1989.....							

¹ Year beginning July 1 for 1975-76 and Oct. 1 starting in 1977. ² Authorized by Title I, P.L. 480.³ Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480, as amended by P.L. 89-808.⁴ Authorized by Title II, P.L. 480. ⁵ 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, 1967.⁶ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984, and the Food Security Act of 1985. ⁷ Foreign Assistance Act of 1961, as amended. ⁸ Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.

Table 73.—Commercial feeds: Disappearance for feed, United States, 1976-90

Year beginning October	Oilseed cake and meal						Animal protein			
	Soy-bean	Cotton-seed	Linseed	Pea-nut ¹	Sun-flower	Total	Tank-age and meat meal	Fish meal	Dried milk ²	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
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	2,351	454	398	3,203
1983.....	17,615	1,126	125	75	265	19,206	2,317	499	406	3,222
1984.....	19,480	1,758	120	123	338	21,819	2,781	649	426	3,856
1985.....	19,090	1,520	110	175	345	21,240	2,800	511	412	3,724
1986.....	20,387	1,131	127	114	297	22,056	2,641	519	440	3,599
1987.....	21,293	1,590	140	120	420	23,563	2,708	389	454	3,551
1988.....	19,657	1,632	102	162	337	21,890	2,567	292	449	3,308
1989.....	22,558	1,366	139	124	297	24,484	2,557	347	440	3,344
1990 ³	22,700	1,595	122	135	358	24,911	2,530	347	430	3,307

Year beginning October	Mill products ⁴								Total commercial feeds
	Wheat mill-feeds	Gluten feed and meal ⁵	Rice mill-feeds	Brewer's dried grains	Distillers' dried grains	Dried and molasses beet pulp ⁶	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
1976.....	4,798	1,038	502	297	374	4,553	1,036	12,598	31,413
1977.....	4,883	1,223	506	282	403	4,073	1,115	12,485	34,115
1978.....	5,061	1,194	550	309	496	3,681	1,097	12,388	35,445
1979.....	4,804	787	536	339	495	2,698	1,001	10,659	35,580
1980.....	5,118	839	580	319	499	2,371	636	10,363	33,418
1981.....	5,344	1,038	565	263	494	2,314	991	11,010	34,524
1982.....	5,665	718	478	214	751	2,560	978	11,363	36,164
1983.....	5,598	1,807	508	149	622	2,282	990	11,956	34,383
1984.....	5,604	4,133	503	156	890	2,653	891	14,830	40,506
1985.....	5,818	1,163	554	148	962	2,080	856	11,582	36,545
1986.....	6,299	1,284	672	161	887	1,951	649	11,903	37,559
1987.....	6,230	1,636	608	132	1,141	1,761	610	12,118	39,232
1988.....	6,302	1,421	678	118	1,044	1,756	403	11,720	36,918
1989.....	6,302	486	611	119	1,564	2,191	331	11,604	39,431
1990 ³	6,300	441	680	120	1,825	2,195	441	12,001	40,219

¹ Year beginning August 1. ² 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. ³ Preliminary. ⁴ Other mill products that are not listed include screenings, hominy, and oats feed etc., for which no statistics are available. ⁵ Adjusted for export data. ⁶ 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, 1976-90

Year beginning October	Quantity for feeding ¹						High-protein animal units	Quantity per animal unit	High-protein feed prices
	Oilseed meal			Animal protein	Grain protein ³	Total			
	Soybean meal	Other oilseed meals ²	Total						
1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Million units	Pounds	Index numbers 1967=100	
1976	14,934	1,769	16,703	3,244	873	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	26,450	104.6	506	235
1982	21,237	2,108	23,345	3,523	863	27,731	105.4	526	244
1983	19,377	1,460	20,836	3,540	1,431	25,807	105.7	488	245
1984	21,428	2,159	23,587	4,293	2,957	30,837	105.9	582	165
1985	20,999	1,989	22,988	4,189	1,225	28,352	107.1	530	199
1986	22,426	1,534	23,960	3,965	1,260	29,186	110.0	531	210
1987	23,422	2,088	25,510	3,888	1,597	30,995	112.9	549	275
1988	21,623	2,067	23,689	3,596	1,415	28,700	115.0	499	280
1989	24,814	1,773	26,587	3,679	1,131	31,367	117.7	533	228
1990	24,970	2,039	27,009	3,614	1,241	31,864	122.0	522	.....

¹ In terms of 44 percent protein soybean meal equivalent. ² Includes cottonseed, linseed, peanut meal, and sunflower meal. Includes 30,000 tons previously excluded for industrial uses and for fertilizer. ³ Beginning 1974, adjusted for exports of corn gluten feed and meal.

Economic Research Service.

Table 75.—Feed concentrates fed to livestock and poultry, 1976-90

Year beginning October	Feed grains				Wheat ²	Rye ²	By-product feeds ³	Total concentrates	Grain consuming animal units	Concentrates fed per grain-consuming animal unit
	Corn ¹	Sorghum ¹	Oats ² and barley ²	Total						
Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Millions	Tons	
1976	100.9	11.5	12.0	124.3	2.2	0.1	34.2	160.9	73.1	2.20
1977	104.4	12.5	12.5	129.4	5.8	.2	37.3	172.7	74.7	2.31
1978	119.7	15.1	13.6	148.4	4.7	.2	41.7	195.0	77.2	2.53
1979	127.8	13.9	12.8	154.4	2.6	.2	42.2	199.4	78.1	2.55
1980	116.8	9.0	11.0	136.9	1.8	.2	39.9	178.8	76.4	2.34
1981	117.1	11.6	12.1	140.8	4.0	.2	40.4	185.5	73.0	2.54
1982	126.9	13.9	12.9	153.6	5.8	.3	38.5	198.3	75.2	2.64
1983	106.8	10.8	14.3	131.9	11.1	.3	37.4	180.7	74.6	2.42
1984	114.5	15.1	14.3	143.9	12.2	.4	47.2	203.8	75.2	2.71
1985	115.0	18.6	15.3	148.9	8.5	.3	43.2	200.9	74.5	2.70
1986	131.6	15.0	13.3	160.0	12.0	.4	44.7	217.1	74.4	2.92
1987	134.7	15.5	11.8	162.1	8.4	.3	46.4	217.2	76.7	2.83
1988	111.5	13.1	8.1	132.7	3.8	.3	42.5	179.6	77.0	2.33
1989	127.7	14.5	9.3	148.5	8.5	.2	46.1	203.3	77.7	2.62
1990	135.8	12.6	8.3	156.7	11.8	.2	47.3	216.0	80.5	2.68

¹ Marketing year beginning Sept. 1. ² Marketing year beginning June 1. ³ 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, 1976-89

Year beginning October	Dairy cattle			Beef cattle				Sheep and lambs	
	Milk cows		Other dairy cattle per head	Cattle on feed per head Jan. 1 ¹	Other beef cattle per head	All beef cattle per head	Cattle and calves per 100 pounds produced ²	Per head	Per 100 pounds produced ³
	Per head	Per 100 pounds milk produced							
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1976	11,870	107	6,354	8,141	5,256	5,592	1,517	1,256	1,882
1977	12,142	109	6,400	8,539	5,270	5,703	1,483	1,261	1,919
1978	12,520	111	6,463	9,094	5,290	5,815	1,462	1,268	1,982
1979	12,601	107	6,477	9,212	5,294	5,791	1,507	1,269	1,989
1980	12,143	100	6,400	8,542	5,290	5,653	1,460	1,262	1,914
1981	12,591	103	6,475	9,197	5,293	5,708	1,457	1,269	1,867
1982	12,907	103	6,528	9,659	5,310	5,837	1,498	1,275	1,736
1983	12,420	100	6,446	8,946	5,284	5,719	1,458	1,266	1,678
1984	12,994	101	6,543	9,786	5,314	5,907	1,465	1,276	1,719
1985	12,926	99	6,531	9,687	5,311	5,884	1,390	1,275	1,633
1986	13,395	99	6,610	10,373	5,335	5,986	1,358	1,284	1,675
1987	13,156	94	6,570	10,023	5,323	5,978	1,324	1,279	1,713
1988	12,195	86	6,408	8,617	5,273	5,730	1,248	1,262	1,720
1989 ⁴	12,816	89	6,513	9,527	5,305	5,891	1,295	1,273	1,865

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	
1976	105	45	25	559	9.2	248	79	416	587	3,630
1977	111	48	26	581	9.7	267	83	448	592	3,683
1978	119	51	28	621	10.5	289	89	507	681	3,757
1979	121	59	29	631	10.6	271	90	495	651	3,773
1980	111	46	26	570	9.7	257	83	457	550	3,683
1981	120	50	29	621	10.6	266	90	458	576	3,771
1982	127	51	30	652	11.2	279	94	503	676	3,832
1983	117	47	28	605	10.3	257	87	447	578	3,737
1984	129	53	31	656	11.4	281	96	574	643	3,849
1985	127	52	30	651	11.2	275	95	515	621	3,836
1986	137	56	33	691	12.1	303	105	589	693	3,927
1987	132	53	32	660	11.7	281	98	484	684	3,881
1988	112	44	27	527	9.8	239	84	425	569	3,693
1989 ⁴	125	50	30	612	11.0	267	93	470	602	3,815

¹ Feed consumed by all cattle divided by the number on feed Jan. 1. ² 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. ³ Including wool produced. ⁴ Preliminary.

Economic Research Service.

Table 77.—Feed consumed by livestock and poultry, by type of feed, with quantity expressed in equivalent feeding value of corn, 1976-90

Year beginning October	Concentrates	Harvested roughage	Pasture	Total	Year beginning October	Concentrates	Harvested roughage	Pasture	Total
	Million tons	Million tons	Million tons	Million tons		Million tons	Million tons	Million tons	Million tons
1976	169	77	239	484	1984	214	81	202	496
1977	182	77	221	480	1985	209	83	191	483
1978	202	82	204	487	1986	226	81	186	492
1979	207	84	206	497	1987	224	81	179	484
1980	186	80	218	484	1988	189	72	184	446
1981	193	84	219	496	1989 ¹	214	74	183	471
1982	211	85	213	509	1990 ²	227			
1983	192	81	213	486					

¹ Preliminary. ² Estimated.

Economic Research Service.

Table 78.—Animal units fed: Grain-consuming, roughage-consuming, and grain-and-roughage-consuming, United States, 1976-90 ¹

Year beginning October	Grain-consuming ²	Roughage-consuming ³	Grain and roughage-consuming ⁴	Year beginning October	Grain-consuming ²	Roughage-consuming ³	Grain and roughage-consuming ⁴
	1,000 units	1,000 units	1,000 units		1,000 units	1,000 units	1,000 units
1976	73,140	92,913	84,967	1984	75,173	83,185	79,728
1977	74,723	87,663	82,344	1985	74,463	80,512	77,805
1978	77,214	83,978	81,034	1986	74,402	78,311	76,436
1979	78,064	85,223	82,127	1987	76,750	76,318	76,096
1980	76,365	87,777	83,034	1988	76,981	75,472	75,654
1981	73,027	88,936	82,450	1989	77,691	75,475	75,912
1982	75,200	87,730	82,546	1990 ⁵	80,521	75,763	77,215
1983	74,587	86,687	81,667				

¹ 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.
² Livestock and poultry numbers weighted by all concentrates consumed. ³ Livestock and poultry numbers weighted by all roughage (including pasture) consumed. ⁴ Livestock and poultry numbers weighted by all feed (including pasture) fed to livestock. ⁵ Preliminary.

Economic Research Service.

Table 79.—Feed grains: Average price, selected markets and grades, 1976-89 ¹

Crop year ²	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	Duluth 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>
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
1987	2.12	2.55	3.40	1.99	2.04	1.78	1.92
1988	2.61	3.76	4.16	2.56	4.11	2.31	2.80
1989	2.53	3.10	4.21	2.43	3.28	2.20	1.65

Crop year ²	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>
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
1987	1.98	2.14	3.81	3.22	2.50	5.18	2.19
1988	2.49	2.67	4.66	3.73	3.10	6.08	2.73
1989	2.41	2.54	4.38	3.38	2.90	5.53	2.58

¹ Simple average of daily prices. ² For corn and sorghum crop year began in October for 1974-84, September for 1985-87. 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, 1976-89

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
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
1987	221.90	239.30	197.20	178.50	160.30	.....	255.90	.....	236.20	76.80
1988	233.40	252.30	203.50	188.30	162.00	.....	255.30	.....	355.40	84.10
1989	173.70	187.40	180.20	168.20	130.40	.....	204.70	.....	302.80	80.60

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 ²
	Minneapolis	Kansas City	Portland	21% protein	Illinois Points	Lawrenceburg ¹	Milwaukee	Dehydrated, 17% protein	Sun-cured	New Orleans	
				Illinois Points				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	
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	83.00	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	.....
1987	65.90	76.80	85.90	117.60	84.60	133.80	111.10	110.70	105.20	59.80	.....
1988	80.80	84.10	102.20	116.30	90.60	141.00	125.10	136.20	130.60	60.10	.....
1989	72.60	80.60	95.80	98.80	88.70	117.30	96.50	125.90	121.10	56.80	.....

¹ Cincinnati 1974-1980.² 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, 1976-90

Year	Area		Yield per harvested acre	Production	Marketing year average price per pound received by farmers ¹	Value of production ¹
	Planted	Harvested				
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 bales²</i>	<i>Cents</i>	<i>1,000 dollars</i>
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	12,880.9	547	14,629.3	62.7	4,404,663
1980.....	14,533.8	13,214.8	404	11,122.1	75.4	4,026,458
1981.....	14,330.1	13,841.2	542	15,645.7	55.6	4,174,776
1982.....	11,345.4	9,733.9	590	11,962.7	59.6	3,422,370
1983.....	7,926.3	7,347.5	508	7,771.4	65.6	2,448,002
1984.....	11,145.4	10,379.1	600	12,981.8	58.9	3,670,508
1985.....	10,684.6	10,229.0	630	13,432.2	56.3	3,628,112
1986.....	10,044.6	8,468.4	552	9,731.1	52.4	2,449,111
1987.....	10,397.2	10,030.3	706	14,759.9	64.3	4,555,017
1988.....	12,514.8	11,948.2	619	15,411.5	56.6	⁴ 4,190,488
1989.....	10,586.6	9,537.7	614	12,195.6	66.2	3,877,888
1990 ³	12,428.5	11,708.1	640	15,616.6	68.1	5,106,593

¹ Net weight price. 1974-78 includes allowance for unredeemed loans, but does not include Government program payments. 1979-88 are strictly market prices. ² 480-pound net weight bales. ³ Preliminary. ⁴ Average to Apr. 1, 1989.

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, 1988-90

State	Area planted			Area harvested			Yield per harvested acre			Production ¹		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 bales ³	1,000 bales ³	1,000 bales ³
Upland:												
AL.....	390.0	328.0	390.0	375.0	322.0	388.0	486	571	495	380.0	383.0	400.0
AZ.....	350.0	240.0	350.0	349.0	239.0	348.0	1,190	1,303	1,131	865.0	649.0	820.0
AR.....	695.0	610.0	770.0	675.0	595.0	750.0	742	687	704	1,044.0	851.0	1,100.0
CA.....	1,350.0	1,050.0	1,070.0	1,335.0	1,040.0	1,060.0	1,015	1,228	1,245	2,824.0	2,661.0	2,750.0
FL.....	33.0	25.5	37.0	29.0	25.0	36.0	566	557	600	34.2	29.0	45.0
GA.....	350.0	265.0	355.0	315.0	260.0	350.0	564	631	562	370.0	342.0	410.0
KS.....	1.0	1.5	1.5	.9	.4	1.3	373	240	406	.7	.2	1.1
LA.....	735.0	645.0	810.0	645.0	620.0	790.0	705	872	717	948.0	868.0	1,180.0
MS.....	1,230.0	1,050.0	1,225.0	1,190.0	1,020.0	1,215.0	736	732	731	1,825.0	1,555.0	1,850.0
MO.....	245.0	214.0	248.0	242.0	209.0	235.0	607	618	623	306.0	269.0	305.0
NM.....	77.0	61.0	69.0	69.0	55.0	62.0	710	698	774	102.0	80.0	100.0
NC.....	126.0	112.0	201.0	124.0	110.0	200.0	515	615	650	133.0	141.0	271.0
OK.....	460.0	370.0	385.0	435.0	340.0	365.0	334	244	500	303.0	173.0	380.0
SC.....	145.0	120.0	155.0	142.0	118.0	154.0	473	626	452	140.0	154.0	145.0
TN.....	535.0	465.0	525.0	530.0	460.0	520.0	529	497	452	584.0	476.0	490.0
TX.....	5,600.0	4,650.0	5,600.0	5,300.0	3,750.0	5,000.0	472	367	480	5,215.0	2,870.0	5,000.0
VA.....	3.2	2.7	5.3	3.2	2.6	5.3	510	498	598	3.4	2.7	6.6
US.....	12,325.2	10,209.7	12,196.8	11,759.1	9,166.0	11,479.6	615	602	638	15,077.3	11,503.9	15,253.7
American-Pima:												
AZ.....	128.0	245.0	125.0	128.0	244.5	124.0	904	936	755	241.0	477.0	195.0
CA.....	1.8	18.0	25.7	1.8	17.9	25.5	853	1,078	1,050	3.2	40.2	55.8
MS.....		1.6	1.0		1.1	1.0		436	528		1.0	1.1
NM.....	17.8	30.3	20.0	17.8	30.2	20.0	634	707	624	23.5	44.5	26.0
TX.....	42.0	82.0	60.0	41.5	78.0	58.0	769	794	703	66.5	129.0	85.0
US.....	189.6	376.9	231.7	189.1	371.7	228.5	848	893	762	334.2	691.7	362.9
US, all....	12,514.8	10,586.6	12,428.5	11,948.2	9,537.7	11,708.1	619	614	640	15,411.5	12,195.6	15,616.6

¹ Production ginned and to be ginned. ² Preliminary. ³ 480-pound net weight bales.
National Agricultural Statistics Service.

Table 83.—Cotton, American upland: Estimated percentage of the crop forward contracted by growers, by States, 1983-90

State	Crop of—								
	1983	1984	1985	1986	1987	1988	1989	1990	
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
AL.....	22	26	19	9	22	9	30	37	
AZ.....	19	9	5	25	25	6	20	14	
AR.....	24	40	10	11	81	27	43	39	
CA.....	60	49	23	81	77	62	83	83	
GA.....	18	31	8	4	35	6	44	41	
LA.....	21	23	3		20	13	53	34	
MS.....	28	31	17	6	44	10	26	31	
MO.....	38	53	(¹)	25	93	7	62	64	
NM.....		1	2		58	9	10	26	
NC.....	28	36			45	4	48	45	
OK.....		24	(¹)	13	33	2	18	16	
SC.....	62	53	20		44	1	54	52	
TN.....	33	35	4	2	67	(¹)	25	14	
TX.....	7	19	5	5	23	9	31	27	
US.....	21	27	9	15	39	16	39	35	

¹ Less than 0.5 percent.
Agricultural Marketing Service.

Table 84.—Cotton: Production, Marketing Year average price per pound, and value, by States, 1988-90

State	Production ¹			Price for crop of—			Value of production		
	1988	1989	1990 ²	1988	1989	1990 ^{2,3}	1988	1989	1990 ³
	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	Cents	Cents	Cents	1,000 dollars	1,000 dollars	1,000 dollars
Upland:									
AL.....	380.0	383.0	400.0	53.3	63.7	65.1	97,219	117,106	124,992
AZ.....	865.0	649.0	820.0	57.2	65.9	70.8	237,494	205,292	278,669
AR.....	1,044.0	851.0	1,100.0	54.4	63.2	65.3	272,609	258,159	344,784
CA.....	2,824.0	2,661.0	2,750.0	64.7	71.8	76.8	877,021	917,087	1,013,760
FL.....	34.2	29.0	45.0	52.0	65.0	68.0	5,536	9,048	14,688
GA.....	370.0	342.0	410.0	55.2	65.1	68.2	98,035	106,868	134,218
KS.....	.7	.2	1.1	46.8	57.0	66.3	157	55	350
LA.....	948.0	868.0	1,180.0	54.5	63.9	65.7	247,997	266,233	372,125
MS.....	1,825.0	1,555.0	1,850.0	53.7	62.9	64.8	470,412	469,486	575,424
MO.....	306.0	269.0	305.0	53.5	64.7	65.5	78,581	83,541	95,892
NM.....	102.0	80.0	100.0	62.3	70.0	70.6	30,502	26,880	33,888
NC.....	133.0	141.0	271.0	54.0	62.7	67.5	34,474	42,435	87,804
OK.....	303.0	173.0	380.0	46.8	57.0	66.3	68,066	47,333	120,931
SC.....	140.0	154.0	145.0	53.6	65.5	70.2	36,019	48,418	48,859
TN.....	584.0	476.0	490.0	53.9	63.0	65.4	151,092	143,942	153,821
TX.....	5,215.0	2,870.0	5,000.0	51.6	59.0	63.4	1,291,651	812,784	1,521,600
VA.....	3.4	2.7	6.6	54.0	62.7	67.5	881	813	2,138
US.....	15,077.3	11,503.9	15,253.7	55.6	63.6	67.2	4,000,746	3,555,480	4,923,943
American-Pima:									
AZ.....	241.0	477.0	195.0	118.0	96.6	103.0	136,502	218,886	96,408
CA.....	3.2	40.2	58.8	118.0	96.6	103.0	1,812	18,447	27,588
MS.....		1.0	1.1		67.0	75.0		322	396
NM.....	23.5	44.5	26.0	122.0	104.0	117.0	13,762	22,214	14,602
TX.....	66.5	129.0	85.0	118.0	101.0	107.0	37,666	62,539	43,656
US.....	334.2	691.7	362.9	118.0	97.1	105.0	189,742	322,408	182,650
US, all.....	15,411.5	12,195.6	15,616.6	56.6	66.2	68.1	4,190,488	3,877,888	5,106,593

¹ Production ginned and to be ginned. ² Preliminary. ³ Average to Apr. 1, 1989 with no allowance for unredeemed loans. ⁴ 480-pound net weight bales.

National Agricultural Statistics Service.

Table 85.—Cotton, American upland: Price-support operations, United States, 1976-91

Year beginning August	Support price ^{1,2}		Put under support ⁴		Acquired by CCC under support ⁵	Owned by CCC July 31
	Per pound	Percentage of parity ³	Quantity	Percentage of production		
	Cents	Percent	1,000 bales ⁶	Percent	1,000 bales ⁶	1,000 bales ⁶
1976.....	⁸ 43.20		941	9.2	(⁷)	0
1977.....	⁸ 47.80		4,518	31.6	2	(⁷)
1978.....	⁸ 52.00		1,524	14.2	(⁷)	(⁷)
1979.....	⁸ 57.70		1,720	11.8	(⁷)	(⁷)
1980.....	⁸ 58.40		2,276	20.7	22	(⁷)
1981.....	⁸ 70.87		6,028	38.7	931	1
1982.....	⁸ 71.00		5,003	42.2	786	397
1983.....	⁸ 76.00		1,743	22.7	0	158
1984.....	⁸ 81.00		2,957	23.0	649	123
1985.....	⁸ 81.00		7,289	54.9	161	767
1986.....	⁸ 81.00		6,170	64.8	12	73
1987.....	⁸ 79.40		5,361	37.0	131	3
1988.....	⁸ 75.90		11,231	74.5	66	50
1989.....	⁸ 73.40		3,732	32.4	1	27
1990.....	⁸ 72.90		3,205	⁹ 21.1	⁹ 0	⁹ 0
1991.....	⁸ 72.90					

¹ 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. ² Includes price-support payments as follows: On production from area planted within the farm base area allotment, 15 cents in 1973. ³ Percentage of parity price as of the beginning of the marketing year. ⁴ Includes loans made. ⁵ Acquisitions from crop harvested in the year indicated and not acquisitions during that year. ⁶ Running bales. ⁷ Less than 500 bales. ⁸ 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. ⁹ Estimated.

Agricultural Stabilization and Conservation Service.

Table 86.—Cotton: Area, yield, and production in specified countries, 1988–90 ¹

Continent and country	Area			Yield per hectare			Production		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
North and Central America:	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>Kilo-</i>	<i>Kilo-</i>	<i>Kilo-</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
United States	4,835	3,860	4,748	grams	grams	grams	bales ³	bales ³	bales ³
El Salvador	13	10	6	694	688	711	15,411	12,196	15,499
Guatemala	40	40	36	687	631	762	41	29	21
Honduras	4	3	3	1,034	1,034	1,028	190	190	170
Mexico	255	188	186	708	508	508	13	7	7
Nicaragua	38	35	45	1,209	891	913	1,416	769	780
Other incl. Caribbean	21	21	21	682	684	644	119	110	133
Total	5,206	4,157	5,045	290	301	301	28	29	29
South America:									
Argentina	501	570	630	389	486	444	896	1,272	1,286
Bolivia	2	4	15	218	272	363	2	5	25
Brazil	2,367	1,900	1,977	311	347	340	3,376	3,030	3,087
Colombia	218	188	226	553	557	566	554	481	587
Ecuador	14	22	28	498	544	451	32	55	58
Paraguay	438	509	550	502	442	454	1,010	1,033	1,148
Peru	170	135	114	656	656	581	512	407	304
Venezuela	74	68	38	465	461	430	158	144	75
Total	3,784	3,396	3,578	376	412	400	6,540	6,427	6,570
Europe:									
Greece	256	278	286	913	916	735	1,074	1,170	965
Italy	1	1	1	218	218	218	1	1	1
Spain	137	68	83	807	897	1,049	508	280	400
Bulgaria	12	11	13	1,060	1,128	1,306	56	57	75
Yugoslavia	1	1	1	218	218	218	1	1	1
Other Europe	28	16	16	272	272	272	35	20	20
Total	435	375	400	839	888	797	1,675	1,529	1,462
Soviet Union	3,432	3,338	3,160	805	805	827	12,686	12,337	12,000
Africa:									
Angola	55	55	50	202	202	152	51	51	35
Cameroon	112	90	95	612	477	458	315	197	200
Central African Rep	65	63	70	167	173	171	50	50	55
Chad	190	185	195	276	313	306	241	266	274
Zaire	39	33	31	117	119	119	21	18	17
Kenya	46	51	70	204	171	146	43	40	47
Malawi	45	50	60	179	131	127	37	30	35
Morocco	18	14	16	508	638	517	42	41	38
Mozambique	92	90	92	315	300	305	133	124	129
Nigeria	370	330	380	114	108	95	193	188	165
Zimbabwe	248	229	273	371	294	343	423	309	430
South Africa, Rep.	208	165	124	374	363	378	357	275	215
Sudan	313	279	196	443	456	422	637	584	380
Tanzania, United	430	260	320	147	131	146	291	156	215
Uganda	52	60	52	100	98	167	24	27	40
Egypt	426	422	417	718	683	719	1,405	1,324	1,378
Other Africa	943	916	1,004	466	437	472	2,017	1,838	2,178
Total	3,652	3,342	3,445	374	359	368	6,280	5,518	5,831
Asia, Mid-East, and Oceania:									
Afghanistan	45	55	60	1,002	364	363	207	92	100
Australia	194	230	270	1,475	1,326	1,411	1,314	1,401	1,750
Burma	160	150	155	124	134	135	91	92	96
China (Mainland)	5,535	5,203	5,588	751	728	807	19,100	17,400	20,700
India	7,343	7,331	7,600	245	315	264	8,276	10,599	9,200
Iran	192	227	235	625	500	586	551	521	632
Iraq	65	65	65	218	218	218	65	65	65
Israel	48	20	31	1,293	2,308	1,643	285	212	234
Korea, Republic of	1	1	1	218	218	218	1	1	1
Pakistan	2,508	2,599	2,693	568	560	607	6,547	6,679	7,513
Yemen ⁴	41	41	41	345	345	345	65	65	65
Syria	171	158	156	667	930	963	524	675	690
Thailand	70	61	70	504	468	435	162	131	140
Turkey	737	725	667	882	851	930	2,985	2,835	2,850
Other Asia	82	76	78	236	301	315	89	105	113
Total	17,192	16,942	17,710	510	525	543	40,262	40,873	44,149
World total	33,701	31,550	33,338	547	552	566	84,661	80,014	86,651

¹ Harvest season beginning Aug. 1. ² Preliminary. ³ 480-pound net weight. ⁴ Data for the territories formerly known as North Yemen and South Yemen have been combined under the heading Yemen.

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 87.—Cotton: Supply and distribution, United States, 1976-90

Year beginning August	Supply					Distribution				
	Beginning of season		Ginnings in season ¹	Imports ²	Total supply	Consumption		Exports	Carryover, end of season	
	Foreign	Total				Foreign	Total ³		Foreign	Total
	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴
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	(⁶)	4,088
1985	(⁶)	4,088	13,063	28	17,179	(⁵)	6,198	1,875	(⁶)	9,041
1986		9,041	9,294	3	18,337		7,096	6,366		4,797
1987		4,797	14,493	3	19,294		7,294	6,297		5,684
1988		5,684	14,939	5	20,598		7,444	5,987		6,984
1989		6,984	11,913	1	18,898		8,383	7,310		3,109
1990 ⁷		3,109								

¹ 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. ² Total imports minus re-exports. ³ Adjusted to marketing year. ⁴ Equivalent running bales. ⁵ Data withheld to avoid disclosing figures for individual companies. ⁶ Less than 500 bales. ⁷ Preliminary.

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

Table 88.—Cotton: Mill consumption, by growths, United States, 1976-89

Year beginning August	Domestic			Foreign				All growths
	Upland	American Pima ¹	Total	Egyptian	Indian	Other	Total	
1976	Bales ² 6,394,429	Bales ² 48,407	Bales ² 6,442,836	(³)	(³)	(³)	34,888	6,477,724
1977	6,170,934	53,246	6,224,180	(³)	(³)	(³)	11,698	6,235,878
1978	6,031,854	62,146	6,094,000	(³)	(³)	(³)	4,143	6,098,143
1979	6,196,192	61,843	6,258,035	(³)	(³)	(³)	2,717	6,260,752
1980	5,601,874	59,375	5,661,249	(³)	(³)	(³)	2,375	5,663,624
1981	4,998,461	44,670	5,043,131	(³)	(³)	(³)	(³)	5,043,131
1982	5,205,024	48,525	5,253,549	(³)	(³)	(³)	5,046	5,258,595
1983	5,564,206	64,130	5,628,336	(³)	(³)	(³)	(³)	5,628,336
1984	5,221,480	46,272	5,267,752	(³)	(³)	(³)	(³)	5,267,752
1985	6,138,579	59,094	6,197,673	(³)	(³)	(³)	(³)	6,197,673
1986	7,031,918	64,070	7,095,988	(³)	(³)	(³)	(³)	7,095,988
1987	7,243,982	49,617	7,293,599	(³)	(³)	(³)	(³)	7,293,599
1988	7,376,019	67,764	7,443,783	(³)	(³)	(³)	(³)	7,443,783
1989	8,313,233	69,415	8,382,648	(³)	(³)	(³)	(³)	8,382,648

¹ Includes Sea Island, foreign and other domestic cotton. ² Equivalent running bales. ³ Not reported separately.

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

Table 89.—Cotton, American upland: Carryover and crop, running bales, by grade groupings, United States, 1981-90

Year beginning August	White ¹						Light Spotted				Other Colored ²	All grades ³
	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
Carryover:												
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	35	5	214	960	749	807	4,709
1988.....	3	163	920	1,846	698	68	26	441	693	293	451	5,603
1989.....	5	496	1,918	2,168	483	82	40	394	702	341	291	6,920
1990.....	2	117	734	1,113	299	41	13	128	263	105	103	2,918
Crop:												
1981.....	1	142	2,570	3,539	1,454	248	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	324	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.....	6	593	3,256	4,483	1,419	124	55	1,177	1,657	672	642	14,083
1988.....	10	1,095	5,146	4,786	815	67	59	711	1,164	411	199	14,462
1989.....	4	416	3,529	3,701	682	57	69	638	805	227	830	10,958
1990.....	6	523	4,309	4,851	1,245	125	13	670	1,624	675	437	14,478

¹ "Plus" grades included. ² Includes all grades of Spotted, Tinged, Stained, Light Gray, Gray, and Below Grade. ³ As reported by the Bureau of the Census. * Less than 500 bales. Agricultural Marketing Service.

Table 90.—Cotton, American upland: Carryover and crop, running bales, by staple groupings, United States, 1981-90

Year beginning August	Staple										All staples ¹	
	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
Carryover:												
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	530	6,309	
1983.....	1	21	85	485	890	598	477	1,115	2,224	1,564	7,461	
1984.....	(2)	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.....	(2)	10	15	86	103	250	407	1,070	1,727	976	4,709	
1988.....	(2)	1	10	54	154	376	754	1,217	1,798	1,238	5,603	
1989.....	2	9	37	208	550	758	693	1,047	1,863	1,754	6,920	
1990.....	(2)	10	15	61	153	209	184	423	910	954	2,918	
Crop:												
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.....	(2)	5	38	234	825	889	883	1,679	4,182	4,101	12,837	
1986.....	(2)	2	13	58	226	491	1,058	1,859	3,184	2,346	9,237	
1987.....	1	4	18	71	277	698	1,505	2,643	5,119	3,748	14,083	
1988.....	2	16	78	303	929	1,394	1,438	1,567	3,579	5,148	14,462	
1989.....	1	14	70	236	507	653	716	1,203	3,402	4,155	10,958	
1990.....	(2)	6	48	232	746	1,370	1,620	1,978	4,064	4,414	14,478	

¹ As reported by the Bureau of the Census. ² Less than 500 bales. Agricultural Marketing Service.

Table 91.—Cotton, American Pima: Carryover, 1988–89, and crop, 1988–90, running bales, by grade and staple, United States

Year beginning August	Grade					Staple				All grades and all staples ¹
	01 and 02	03	04	05	06 and 07	42 and shorter	44	46	48 and longer	
Carryover:	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
1989.....	7.5	18.6	27.3	8.1	2.8	3.9	24.6	31.8	4.2	64.4
1990.....	13.0	94.9	65.2	10.4	1.0	3.0	60.1	115.5	5.9	184.5
Crop:										
1988.....	26.3	182.2	93.6	11.6	6.1	4.8	101.0	186.3	27.8	319.8
1989.....	57.0	373.3	188.3	28.1	16.7	8.6	268.7	377.7	8.3	663.3
1990.....	38.0	178.0	99.8	19.6	7.2	3.1	154.4	179.5	5.6	342.6

¹ Bureau of the Census.

Agricultural Marketing Service.

Table 92.—Cotton, upland: Average staple length of upland cotton ginned, by States, 1985–90

State	Average staple length (32ds of an inch) ¹					
	1985	1986	1987	1988	1989	1990
AL.....	35.1	35.1	34.3	34.9	35.1	34.3
AZ.....	35.2	35.2	35.5	35.6	35.3	35.4
AR.....	35.5	35.1	35.1	35.5	35.6	35.3
CA.....	35.9	35.6	35.7	36.4	35.9	35.8
GA.....	35.0	35.3	35.1	35.2	35.2	34.7
LA.....	34.6	34.6	35.0	35.2	35.0	35.1
MS.....	34.9	34.2	34.7	35.1	35.4	35.2
MO.....	35.9	35.7	35.1	35.5	35.3	35.3
NM.....	35.5	36.2	36.0	35.9	36.5	36.3
NC.....	35.5	35.4	35.1	35.2	35.4	35.3
OK.....	32.9	33.3	34.3	32.9	32.2	33.0
SC.....	35.6	35.0	35.1	35.3	35.9	35.1
TN.....	35.0	34.7	34.7	35.1	34.8	34.3
TX.....	32.7	33.3	33.6	32.5	32.6	32.8
Other States.....	(²)	(²)	(²)	(²)	(²)	(²)
U.S.....	34.5	34.6	34.6	34.5	34.7	34.4

¹ Average calculated on numerical equivalents of the staple-length designations. For example, $\frac{3}{16}$ -inch = 28, $\frac{5}{16}$ -inch = 29, etc. ² Not available.

Agricultural Marketing Service.

Table 93.—Cotton: International trade, 1984/85–1989/90

Country	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90
Principal exporting countries:	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²
Mexico.....	575	380	220	375	561	212
Nicaragua.....	304	223	211	175	110	110
United States.....	6,215	1,960	6,684	6,582	6,148	7,694
Brazil.....	354	358	303	597	464	707
Peru.....	140	115	83	14	146	128
Greece.....	161	73	365	138	505	400
Soviet Union.....	2,994	3,170	3,462	3,457	3,656	3,330
China.....	944	2,799	3,169	2,322	1,636	865
Pakistan.....	1,260	3,146	2,870	2,358	3,780	1,371
Syria.....	473	460	276	151	265	317
Turkey.....	684	322	510	197	666	205
Egypt.....	560	837	586	436	294	211
Sudan.....	590	499	820	725	775	750
Ivory Coast.....	200	385	294	322	462	510
Australia.....	690	1,138	1,180	818	1,319	1,319
Total.....	16,144	15,921	21,033	18,667	20,787	18,129

See footnotes at end of table.

Table 93.—Cotton: International trade, 1984/85–1989/90 ¹—Continued

Country	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90
	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²
Principal importing countries:						
Canada.....	216	287	151	210	187	204
Austria.....	101	96	115	119	101	120
Belgium-Luxembourg.....	177	184	254	210	222	187
France.....	728	692	811	735	683	614
Germany.....	1,668	1,518	1,907	1,524	1,588	1,575
Italy.....	1,162	1,194	1,539	1,423	1,458	1,473
Netherlands.....	46	56	48	39	34	50
Poland.....	746	710	646	768	818	650
Portugal.....	734	781	875	852	827	826
Spain.....	346	369	532	519	395	533
Sweden.....	25	25	25	24	17	25
Switzerland.....	254	292	356	387	300	293
United Kingdom.....	237	233	258	245	197	159
Hong Kong.....	851	1,096	1,508	1,206	1,376	1,199
South Korea.....	1,601	1,682	1,901	1,957	2,145	2,040
Japan.....	3,125	3,054	3,688	3,431	3,491	3,165
Taiwan.....	1,294	1,534	2,357	1,608	1,781	1,301
Total.....	13,311	13,803	16,971	15,257	15,620	14,414

¹ Marketing year beginning Aug. 1. ² 480-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, 1987/88–1989/90

Country of destination	Year beginning August			Country of destination	Year beginning August		
	1987-88	1988-89	1989-90		1987-88	1988-89	1989-90
	1,000 bales ¹	1,000 bales ¹	1,000 bales ¹		1,000 bales ¹	1,000 bales ¹	1,000 bales ¹
Austria.....	1	2	2	Australia.....	1	0	0
Belgium/Luxembourg.....	92	49	60	Canada.....	153	148	197
Denmark.....	7	3	6	Chile.....	2	2	1
Finland.....	15	8	8	Colombia.....	1	0	0
France.....	67	9	20	Egypt.....	93	102	242
Germany.....	376	255	368	Hong Kong.....	88	108	244
Italy.....	407	239	431	India.....	8	2	0
Netherlands.....	8	6	14	Indonesia.....	287	307	499
Norway.....	9	6	5	Israel.....	18	6	20
Poland.....	51	16	59	Japan.....	1,569	1,381	1,594
Portugal.....	58	28	49	Korea, Rep. of.....	1,450	1,302	1,365
Spain.....	83	51	151	Pakistan.....	3	2	5
Sweden.....	19	16	22	Philippines.....	135	50	133
Switzerland.....	67	41	41	South Africa.....	15	0	1
United Kingdom.....	69	37	74	Taiwan.....	424	254	320
Yugoslavia.....	18	23	23	Thailand.....	243	172	375
Other Europe.....	195	97	135	Uruguay.....	1	0	0
Total Europe.....	1,542	886	1,468	Other countries.....	544	1,424	1,235
				Total.....	6,582	6,148	7,699

¹ 480 pounds net. ² 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 of origin, 1987/88–1989/90

Country of origin	Year beginning August			Country of origin	Year beginning August		
	1987/88	1988/89	1989/90		1987/88	1988/89	1989/90
	<i>Bales</i> ¹	<i>Bales</i> ¹	<i>Bales</i> ¹		<i>Bales</i> ¹	<i>Bales</i> ¹	<i>Bales</i> ¹
Cotton, raw:				Cotton linters:			
Egypt.....	0	0	58	Colombia.....	2,810	1,000	803
India.....	116	158	115	Guatemala.....	0	0	0
Mexico.....	1,372	0	0	Mexico.....	4,913	3,190	13,529
Pakistan.....	81	825	706	Brazil.....	9,688	5,101	553
Other countries.....	0	4,300	876	Turkey.....	8,721	3,208	9,457
				Other countries.....	6,594	3,298	4,987
Total.....	1,568	5,283	1,755	Total.....	32,726	15,797	29,309

¹ 480 pounds net. ² 600 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, 1976–90

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
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1976.....	1.3	2.8	5.0	4.5	77.2	7.0	2.2
1977.....	.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.....	1.4	3.4	6.2	5.5	80.0	3.0	.6
1988.....	.4	1.3	3.6	4.6	87.3	2.4	.5
1989.....	2.3	4.2	5.6	4.6	78.8	3.6	.9
1990.....	.3	1.2	3.7	4.9	86.3	2.9	.9

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, 1977-90

Year beginning August	White				Light Spotted			Spotted	
	Middling	Strict Low Middling	Low Middling	Strict Good Ordinary	Middling	Strict Low Middling	Low Middling	Middling	Strict Low Middling
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
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
1987	65.04	63.13	60.41	54.35	63.17	61.16	56.38	57.21	53.94
1988	59.42	57.67	54.35	46.21	57.69	55.00	48.25	(¹)	45.74
1989	71.21	69.78	66.58	58.49	69.66	67.17	60.29	(¹)	58.35
1990									

¹ Not available.

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, 1977-90

Year beginning August	Staple								
	28	29	30	31	32	33	34	35	
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
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	62.06	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	
1987	56.25	56.25	57.38	58.44	59.33	60.81	63.13	63.63	
1988	(¹)	48.02	48.94	50.21	52.39	54.12	57.67	58.13	
1989	(¹)	59.78	60.74	62.93	64.89	66.63	69.78	70.23	
1990									

¹ Not available.

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, 1977-90 ¹

Season beginning August	Strict Low Middling 1½"*			Season beginning August	Strict Low Middling 1½"*		
	Average	High	Low		Average	High	Low
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>		<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
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	1987.....	63.13	77.17	56.45
1981.....	60.48	71.31	53.51	1988.....	57.67	69.91	50.05
1982.....	63.08	73.35	57.34	1989.....	69.78	80.67	60.69
1983.....	73.11	81.61	63.79	1990.....			

¹ 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, 1981-90 ¹

Market	Strict Low Middling 1½ inches								Market area	1988 ²	1989	1990
	1981	1982	1983	1984	1985	1986	1987					
	<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.....	61.57	63.50	73.28	61.08	60.52	51.66	63.37					
Augusta.....	61.87											
Montgomery.....	61.34	63.50	72.93	60.56	60.17	51.34	62.79	Southeast.....	57.26	70.64		
Memphis.....	61.00	63.33	73.25	60.73	60.40	51.70	62.54	North Delta.....	56.71	69.51		
Greenwood.....	61.34	63.35	73.14	60.98	60.69	51.99	62.41	South Delta.....	56.67	69.50		
Dallas.....	58.32	61.62	70.79	58.94	58.96	51.03	61.14	East TX-OK.....	55.88	67.11		
Lubbock.....	57.96	60.84	70.35	58.93	59.17	51.20	61.09	West Texas.....	55.77	67.06		
Phoenix.....	59.93	63.17	74.13	61.57	59.84	55.38	65.69	Desert SW.....	71.19	59.67		
Fresno.....	61.02	64.49	77.02	61.29	60.35	60.97	66.02	SJ Valley.....	63.30	73.47		
Average.....	60.48	63.08	73.11	60.51	60.01	53.16	63.13	Average.....	57.90	69.78		

¹ Year beginning August. Prices are for mixed lots, net weight, uncompressed in warehouse. ² Eleven month average, Sept. 1988-July 1989.

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, 1984-89 ¹

Kind of cotton and State	1984	1985	1986	1987	1988	1989
Upland:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL	36.27	37.76	37.04	36.85	36.84	36.67
AZ	40.16	40.70	40.33	40.31	41.04	42.15
AK	40.82	38.94	37.19	38.72	39.31	38.99
CA	49.84	48.91	48.62	48.44	47.31	47.77
GA	42.93	42.89	42.41	42.53	43.06	42.70
LA	38.43	38.46	37.20	37.41	36.98	36.43
MS	37.62	36.59	39.76	37.64	38.40	37.42
MO	39.49	37.59	37.16	41.25	42.17	42.19
NM	51.85	54.26	52.80	55.31	53.43	55.51
NC	46.13	45.42	45.83	45.72	46.80	45.79
OK	50.15	48.57	45.35	50.60	47.74	45.63
SC	41.52	42.97	42.81	43.04	44.07	46.57
TN	39.71	38.78	34.69	34.80	35.02	34.59
TX	52.48	50.18	52.92	53.81	51.45	51.55
All upland cotton	45.64	44.86	44.91	45.82	45.14	44.26
American Pima	60.00	61.00	n.a.	n.a.	n.a.	n.a.

¹ 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, season average price, United States, 1977-90

Year beginning August	Supply				Distribution		Price per pound ¹		
	Stocks Aug. 1	Production	Imports	Total	Consumption	Exports	Felting linters		Chemical grade
							High grade	Medium grade	
	<i>1,000 bales</i> ²	<i>1,000 bales</i> ²	<i>1,000 bales</i> ³	<i>1,000 bales</i> ²	<i>1,000 bales</i> ²	<i>1,000 bales</i> ⁴	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
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	6.04-9.24
1982	476	1,029	23	1,524	812	277	12.75	8.50	5.42-9.83
1983 ⁵	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	⁶ 15.35	⁶ 9.84	⁶ 5.70-8.05
1986	509	669	128	1,306	788	90	⁶ 12.75-21.00		⁶ 6.50-14.00
1987	360	868	109	1,337	918	110	13.50-22.00		8.00-15.00
1988	322	952	55	1,329	824	181	13.00-21.00		10.00-16.00
1989 ⁷	339	754	49	1,141	743	63	15.00-28.50		15.00-23.00
1990 ⁷	323								

¹ Uncompressed in carload lots, f.o.b. mill points. ² Running bales. ³ Imports are in 500 pound gross weight bales prior to 1982 and in 634 pound equivalent bales thereafter. ⁴ Exports are in running bales prior to 1982 and in 634 pound equivalent bales thereafter. ⁵ Ten-month average, Aug. 1985 thru May 1986. ⁶ Six months, Feb. thru July 1987, low to high range reported. ⁷ 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, 1989-90

Country	Beginning stocks Aug. 1 ¹	Production	Imports	Total supply	Consumption ¹	Exports	Ending stocks July 31 ¹	Total distribution
	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²
Exporting countries:								
Mexico.....	313	769	142	1,224	725	212	249	1,186
Nicaragua.....	30	110	0	140	9	110	21	140
El Salvador.....	72	29	34	135	84	4	47	135
Guatemala.....	49	190	1	240	80	125	35	240
Argentina.....	465	1,272	44	1,781	533	568	671	1,772
Brazil.....	2,249	3,030	482	5,761	3,445	707	1,609	5,761
Colombia.....	189	481	37	707	418	137	147	702
Paraguay.....	448	1,033	0	1,481	46	932	503	1,481
Peru.....	519	407	0	926	306	128	492	926
Honduras.....	17	7	0	24	10	0	14	24
Angola.....	18	51	0	69	30	20	19	69
Central African Republic.....	19	50	0	69	10	40	19	69
Cameroon.....	50	197	30	277	50	212	15	277
Malawi.....	25	30	10	65	22	25	18	65
Zimbabwe.....	171	309	0	480	191	187	89	467
Sudan.....	464	584	0	1,048	75	750	223	1,048
Uganda.....	19	27	0	46	30	0	16	46
Egypt.....	348	1,324	242	1,914	1,352	211	276	1,839
Tanzania.....	249	156	0	405	61	175	151	387
Mozambique.....	65	124	5	194	35	65	94	194
Other Africa.....	511	1,918	0	2,429	265	1,850	314	2,429
Afghanistan.....	121	92	0	213	100	50	63	213
Iran.....	100	524	0	624	548	0	76	624
Israel.....	197	212	25	434	94	192	148	434
Pakistan.....	715	6,679	17	7,411	4,801	1,371	1,160	7,332
Syria.....	204	675	0	879	345	317	217	879
Turkey.....	287	2,835	352	3,474	2,756	205	513	3,474
Other Asia.....	9	65	0	74	21	44	9	74
Australia.....	665	1,401	1	2,067	114	1,319	634	2,067
United States.....	7,092	12,196	2	19,290	8,759	7,694	3,000	19,453
Soviet Union.....	1,836	12,337	350	14,523	9,200	3,330	1,993	14,523
China.....	5,971	17,400	1,873	25,240	20,000	865	4,379	25,244
India.....	1,715	10,599	0	12,314	8,667	1,070	2,577	12,314
Total exporting countries.....	25,202	77,114	3,647	105,964	63,183	22,915	19,791	105,889
Importing countries:								
Canada.....	18	0	204	222	208	0	14	222
Chile.....	29	0	75	104	75	0	29	104
Other Western Hemisphere.....	247	233	295	775	433	37	258	728
Austria.....	2	0	120	122	110	5	7	122
Belgium.....	81	0	187	268	202	14	52	268
Finland.....	23	0	50	73	50	0	23	73
France.....	187	0	614	801	600	40	161	801
Germany.....	324	0	1,575	1,899	1,435	120	279	1,834
Greece.....	408	1,171	95	1,574	780	400	394	1,574
Italy.....	300	1	1,473	1,904	1,447	0	457	1,904
Portugal.....	295	0	826	1,121	8,26	0	295	1,121
Spain.....	244	280	533	1,037	685	103	228	1,016
Sweden.....	10	0	25	35	25	0	10	35
Switzerland.....	191	0	293	484	281	8	195	484
United Kingdom.....	134	0	159	293	157	9	127	293
Yugoslavia.....	48	1	450	499	450	1	48	499
Other Europe.....	592	77	2,230	2,899	2,748	21	555	3,324
Hong Kong.....	288	0	1,199	1,487	974	230	283	1,487
Japan.....	795	0	3,165	3,960	3,229	0	731	3,960
Korea, Rep. of.....	596	1	2,040	2,637	2,003	0	634	2,637
Philippines.....	89	25	253	367	308	0	59	367
Taiwan.....	703	0	1,301	2,004	1,415	0	589	2,004
Other Asia.....	850	368	3,690	4,908	3,605	41	804	4,450
Ethiopia.....	9	90	0	99	90	0	9	99
Nigeria.....	45	188	50	283	243	9	31	283
South Africa.....	262	275	43	580	367	15	198	580
Other Africa.....	110	195	563	868	718	28	122	868
Total importing countries.....	6,890	2,905	21,508	31,304	23,464	1,081	6,592	31,137
World total.....	32,093	80,019	25,155	137,267	86,648	23,996	26,384	137,028
Foreign (all countries) (world minus United States).....	25,000	67,823	25,153	117,977	77,888	16,302	23,383	117,573

¹ Includes cotton destroyed or unaccounted for. ² Bales of 480 pounds net (500 pounds gross).

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, marketing year average price per ton received by farmers, value, and sugar production, United States, 1976-90¹

Year	Area		Yield per harvested acre	Production	Price ²	Value of production	Sugar production	
	Planted	Harvested					Raw value	Refined basis ³
	1,000 acres	1,000 acres	Tons	1,000 tons	Dollars	1,000 dollars	1,000 tons	1,000 tons
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.....	1,905.4	1,269.2	20.3	25,798	25.20	649,846	3,289	3,074
1979.....	1,160.7	1,119.7	19.6	21,996	39.90	745,273	2,879	2,691
1980.....	1,291.3	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	1,096.9	20.2	22,134	39.90	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.....	1,281.5	1,191.2	21.1	25,162	35.90	902,199	3,281	3,066
1987.....	1,266.7	1,252.4	22.4	28,072	38.20	1,073,584	3,998	3,736
1988.....	1,327.2	1,300.7	19.1	24,810	41.20	1,022,284	3,507	3,278
1989.....	1,324.4	1,294.5	19.4	25,131	42.10	1,058,298	3,442	3,217
1990 ⁴	1,400.4	1,317.5	20.0	27,593	.....	.....	3,809	3,560

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

National Agricultural Statistics Service.

Table 105.—Sugarbeets: Area, yield, and production, by States, 1988-90¹

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	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.....	215.0	176.0	173.0	212.0	169.0	168.0	25.0	27.3	26.5	5,300	4,614	4,452
CO.....	39.1	40.6	40.8	38.6	40.0	40.0	22.8	22.8	23.6	880	912	944
ID.....	168.0	179.0	188.0	166.0	177.0	186.0	24.6	22.8	25.7	4,084	4,038	4,780
MI.....	152.0	154.0	160.0	145.0	150.0	157.0	16.5	17.1	20.8	2,393	2,565	3,266
MN.....	339.0	342.0	368.0	334.0	341.0	364.0	14.2	16.0	14.8	4,743	5,456	5,387
MT.....	49.6	52.7	55.2	48.9	51.9	55.1	21.1	19.9	22.5	1,032	1,033	1,240
NE.....	63.9	70.1	75.1	62.2	62.2	71.0	21.2	18.8	21.0	1,319	1,169	1,491
NM.....	7	(³)	(³)	7	(³)	(³)	(³)	12.9	(³)	9	(³)	(³)
ND.....	177.8	180.2	193.9	175.5	180.1	193.2	14.7	15.7	14.4	2,580	2,828	2,782
OH.....	17.3	13.6	20.0	14.7	11.9	19.2	15.9	16.7	18.5	234	199	355
OR.....	14.3	15.9	17.2	14.1	15.2	17.0	26.7	25.7	30.0	376	391	510
TX.....	34.0	36.6	41.9	33.0	35.3	41.0	21.9	21.0	24.7	723	743	1,013
WY.....	56.5	61.8	65.0	56.0	59.3	63.8	20.3	19.2	20.5	1,137	1,139	1,308
Other ⁴.....	.....	1.9	2.3	.....	1.6	2.2	.....	27.5	29.5	.....	44	65
US.....	1,327.2	1,324.4	1,400.4	1,300.7	1,294.5	1,377.5	19.1	19.4	20.0	24,810	25,131	27,593

¹ Relates to year of intended harvest except for overwintered spring planted beets in California. ² Preliminary. ³ Combined to avoid disclosure of individual operations. ⁴ Includes NM and WA.

National Agricultural Statistics Service.

Table 106.—Sugarbeets: Production and value, by States, crop of 1989¹

State	Production	Marketing year average price per ton received by farmers	Value of production	State	Production	Marketing year 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.....	4,614	42.30	195,172	OH.....	199	40.80	8,119
CO.....	912	43.70	39,854	OR.....	391	40.80	15,953
ID.....	4,038	43.60	176,057	TX.....	743	41.30	30,686
MI.....	2,565	41.90	107,474	WY.....	1,139	45.10	51,369
MN.....	5,456	40.80	222,605	OTH STS.....	44	40.50	1,783
MT.....	1,033	43.50	45,039				
NE.....	1,169	43.20	50,501	US.....	25,131	42.10	1,058,298
ND.....	2,828	40.20	113,686				

¹ 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, 1976-90

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>
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
1988.....	3,941	2,506	98,759	48.73	4,813
1989.....	3,792	2,771	105,082	50.71	5,329
1990.....	4,920	2,323	114,279	48.33	5,523

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.

Table 108.—Sugarbeets: Area, yield, and production in specified countries, 1988/89–1990/91

Continent and country	Area harvested			Yield per hectare			Production ²		
	1988/89	1989/90	1990/91 ¹	1988/89	1989/90	1990/91 ¹	1988/89	1989/90	1990/91 ¹
	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	21	22	24	34.1	37.6	39.3	717	828	942
United States	526	524	557	42.8	43.5	44.9	22,507	22,800	24,982
Total	547	546	581	42.5	43.3	44.6	23,224	23,628	25,924
South America:									
Chile	49	55	45	59.2	55.1	57.8	2,903	3,030	2,600
Uruguay	6	6	4	42.7	25.0	37.5	256	150	150
Total	55	61	49	57.4	52.1	56.1	3,159	3,180	2,750
Europe:									
Belgium and Luxembourg	114	111	112	56.5	59.8	65.0	6,445	6,640	7,280
Denmark	68	67	66	49.7	49.4	55.8	3,379	3,309	3,685
France	430	427	474	59.0	56.0	52.4	25,380	23,915	24,850
Germany, Unified	584	609	619	39.8	44.2	49.0	23,215	26,901	30,310
Greece	34	48	44	56.4	71.5	62.7	1,918	3,434	2,760
Ireland	33	32	33	40.4	45.3	45.0	1,334	1,451	1,485
Italy	266	290	262	49.3	57.2	44.3	13,105	16,600	11,600
Netherlands	123	128	125	54.3	56.3	69.7	6,676	7,208	8,707
Portugal	1	1	1	19.0	13.0	14.0	19	13	14
Spain	175	160	160	50.8	44.8	45.4	8,885	7,172	7,265
United Kingdom	198	194	192	41.2	41.2	41.7	8,152	8,000	8,000
Total EC	2,026	2,067	2,088	48.6	50.6	50.7	98,580	104,643	105,956
Austria	38	47	50	50.9	56.2	49.9	1,934	2,641	2,494
Finland	30	31	32	33.5	34.1	35.2	1,005	1,057	1,126
Sweden	51	50	49	47.8	53.0	56.6	2,439	2,651	2,771
Switzerland	15	15	15	61.6	59.3	60.0	924	889	900
Other West Europe	134	143	146	47.0	50.6	49.9	6,302	7,238	7,291
Albania	10	10	8	26.5	26.5	25.0	265	265	200
Bulgaria	45	35	30	20.3	22.9	21.7	912	800	650
Czechoslovakia	208	208	208	26.2	30.7	25.8	5,458	6,389	5,374
Hungary	105	115	115	40.0	38.3	38.3	4,200	4,400	4,400
Poland	412	423	440	34.1	34.0	38.0	14,069	14,374	16,700
Romania	245	243	155	25.3	26.5	20.1	6,200	6,432	3,114
Yugoslavia	127	142	158	35.9	47.9	37.4	4,558	6,797	5,915
Eastern Europe	1,152	1,176	1,114	31.0	33.6	32.6	35,662	39,457	36,353
Soviet Union	3,370	3,344	3,287	26.1	29.1	24.8	88,035	97,414	81,400
North Africa:									
Algeria	6	6	6	18.3	18.3	18.3	110	110	110
Egypt	17	13	18	32.4	33.3	35.0	550	433	630
Morocco	61	63	66	49.0	45.8	45.1	2,990	2,885	2,978
Tunisia	6	6	6	37.5	37.5	37.5	225	225	225
Total	90	88	96	43.1	41.5	41.1	3,875	3,653	3,943
Middle East:									
Iran	150	150	150	30.0	26.7	30.0	4,500	4,000	4,500
Iraq	15	15	15	8.3	8.3	8.3	125	125	125
Lebanon	2	2	2	25.0	25.0	25.0	50	50	50
Syria	10	23	30	40.0	22.2	20.0	400	510	600
Turkey	315	350	370	36.6	31.2	35.1	11,530	10,930	13,000
Total	492	540	567	33.8	28.9	32.2	16,605	15,615	18,275
Asia:									
Afghanistan	3	3	3	11.7	11.7	11.7	35	35	35
China	745	569	670	17.2	16.2	21.7	12,810	9,243	14,526
Japan	72	72	72	53.5	50.9	55.5	3,849	3,664	3,994
Pakistan	11	11	12	31.1	31.1	31.3	342	342	375
Total	831	655	757	20.5	20.3	25.0	17,036	13,284	18,930
Grand total	8,697	8,620	8,685	33.6	35.7	34.6	292,406	308,112	300,822

¹ Preliminary. ² Quantity for processing.

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, 1976-90

Year ¹	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
	<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>
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.....	778.3	45.3	823.6	36.0	26.3	35.5	28,026	1,192	29,218
1988.....	793.6	51.7	845.3	35.9	27.6	35.4	28,479	1,425	29,904
1989.....	803.3	48.6	851.9	34.9	27.9	34.5	28,069	1,357	29,426
1990 ²	724.9	66.3	791.2	35.2	23.9	34.2	25,503	1,587	27,090

Year ¹	Marketing year average price received by farmers per ton of sugar ³	Value of production		Sugar production			Molasses ⁷
		Of cane used for sugar	Of cane used for sugar and seed ⁴	Raw value ⁵		Refined basis ⁶	
				Total	Per ton of cane		
	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 tons</i>	<i>Pounds</i>	<i>1,000 tons</i>	<i>1,000 gallons</i>
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	173,503
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.....	29.10	816,801	851,664	3,333	238	3,115	185,496
1988.....	29.40	836,810	877,817	3,398	239	3,176	191,208
1989.....	29.20	819,057	857,678	3,176	226	2,967	192,741
1990 ²				3,004	238	2,807	176,868

¹ 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.

² Preliminary. ³ Prices do not include Government payments under the Sugar Act. ⁴ Price per ton of cane for sugar used in evaluating value of production for seed. ⁵ Raw value is the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948. ⁶ Calculated on the basis that 100 pounds of raw sugar is required to produce 93.46 pounds of refined sugar. ⁷ Excludes edible.

National Agricultural Statistics Service.

Table 110.—Sugarcane for sugar and seed: Area, yield, production, and production of cane sugar and molasses, by States, 1988-90

State	Sugarcane for sugar and seed ¹								
	Area harvested			Yield of cane per acre			Cane production		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
For sugar:									
FL.....	404.0	405.0	420.0	31.6	31.4	33.5	12,766	12,717	14,070
HI.....	78.9	74.7	69.5	96.4	94.8	93.6	7,606	7,082	6,505
LA.....	279.0	290.0	201.0	25.3	25.7	20.0	7,050	7,440	4,020
TX.....	31.7	33.6	34.4	33.3	24.7	26.4	1,057	830	908
US.....	793.6	803.3	724.9	35.9	34.9	35.2	28,479	28,069	25,503
For seed:									
FL.....	17.0	15.0	14.0	31.6	31.4	33.5	538	471	469
HI.....	7.2	6.7	6.5	27.5	29.1	30.4	198	195	198
LA.....	26.0	25.0	44.0	25.3	25.7	20.0	658	643	880
TX.....	1.5	1.9	1.8	20.7	25.3	22.2	31	48	40
US.....	51.7	48.6	66.3	27.6	27.9	23.9	1,425	1,357	1,587
For sugar and seed:									
FL.....	421.0	420.0	434.0	31.6	31.4	33.5	13,304	13,188	14,539
HI.....	86.1	81.4	76.0	90.6	89.4	88.2	7,804	7,277	6,703
LA.....	305.0	315.0	245.0	25.3	25.7	20.0	7,708	8,083	4,900
TX.....	33.2	35.5	36.2	32.8	24.7	26.2	1,088	878	948
US.....	845.3	851.9	791.2	35.4	34.5	34.2	29,904	29,426	27,090

State	Products of cane harvested for sugar											
	Sugar per ton of cane (raw value ³)			Sugar produced (raw value ³)			Equivalent refined ⁴			Molasses ⁵		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	Lb.	Lb.	Lb.	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 gallons	1,000 gallons	1,000 gallons
FL.....	245	220	243	1,566	1,399	1,662	1,464	1,307	1,553	92,246	100,042	95,000
HI.....	244	244	251	928	864	822	867	807	768	47,420	39,960	37,810
LA.....	226	227	211	797	844	430	745	789	402	43,475	42,930	26,800
TX.....	202	166	193	107	69	90	100	64	84	9,992	11,799	4,954
US.....	239	226	238	3,398	3,176	3,004	3,176	2,967	2,807	193,133	194,731	164,564

¹ 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.
² Preliminary. ³ Raw value is the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948.
⁴ Calculated on the basis that 100 pounds of raw sugar is required to produce 93.46 pounds of refined sugar.
⁵ Blackstrap (80° Brix) high-test molasses from frozen cane and edible molasses. ⁶ 85° brix.

National Agricultural Statistics Service.

Table 111.—Sugarcane for sugar and seed: Production and value, by States, crop of 1989

State	Sugar			Sugar and seed: Value of production ¹
	Production	Price per ton	Value of production	
	1,000 tons	Dollars	1,000 dollars	1,000 dollars
FL.....	12,717	30.70	390,412	404,872
HI.....	7,082	29.70	210,335	216,127
LA.....	7,440	27.00	200,880	218,241
TX.....	830	21.00	17,430	18,438
Total.....	28,069	29.20	819,057	857,678

¹ 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, 1988/89–1990/91

Continent and country	Area			Yield per hectare			Production ²		
	1988/89	1989/90	1990/91 ¹	1988/89	1989/90	1990/91 ¹	1988/89	1989/90	1990/91 ¹
	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:									
Mexico.....	542	511	525	66.2	68.1	68.6	35,900	34,800	36,000
Hawaii.....	32	30	29	215.6	214.2	204.5	6,900	6,425	5,931
United States.....	289	295	265	65.5	64.4	68.3	18,936	19,039	18,087
Total.....	863	836	819	71.5	72.1	73.3	61,736	60,264	60,018
South America:									
Argentina.....	243	240	265	50.4	44.2	47.2	12,244	10,606	12,500
Brazil.....	1,400	1,210	1,170	62.9	60.3	64.1	88,000	73,000	75,000
Colombia.....	108	113	115	122.0	123.9	123.5	13,176	14,000	14,200
Ecuador.....	43	42	43	67.4	69.0	67.4	2,900	2,900	2,900
Peru.....	47	45	46	134.7	135.6	134.8	6,333	6,100	6,200
Venezuela.....	117	115	102	71.2	67.9	67.7	8,333	7,809	6,902
Other South America.....	128	128	135	54.0	56.3	55.9	6,906	7,200	7,540
Total.....	2,086	1,893	1,876	66.1	64.2	66.8	137,892	121,615	125,242
Central America:									
Belize.....	21	23	23	42.0	48.1	49.7	881	1,107	1,144
Costa Rica.....	30	29	30	73.3	84.0	83.3	2,200	2,436	2,500
El Salvador.....	30	36	42	69.4	74.3	79.0	2,082	2,873	3,313
Guatemala.....	100	115	120	69.0	75.8	79.4	6,900	8,712	9,526
Honduras.....	27	29	30	68.5	70.7	73.3	1,850	2,049	2,200
Nicaragua.....	35	60	75	71.4	58.3	60.0	2,500	3,500	4,500
Panama.....	22	22	22	53.0	53.0	53.0	1,166	1,166	1,166
Total.....	265	314	342	66.3	68.9	71.2	17,759	21,643	24,354
Caribbean:									
Barbados.....	11	11	11	50.9	57.8	62.6	560	636	689
Cuba.....	1,350	1,350	1,350	54.3	51.9	51.9	74,100	70,000	67,500
Dominican Republic.....	215	215	215	32.2	30.4	33.1	6,933	6,540	7,240
Haiti.....	50	50	50	10.5	10.5	10.5	525	525	525
Jamaica.....	38	40	41	61.2	63.1	65.9	2,326	2,524	2,700
Puerto Rico.....	21	21	21	56.0	42.9	57.1	1,175	900	1,200
Other Caribbean.....	40	42	46	56.9	50.5	52.3	2,274	2,122	2,408
Total.....	1,725	1,729	1,738	51.0	48.1	47.3	87,893	83,247	82,262
West Europe:									
Spain.....	2	2	2	75.0	87.0	85.0	150	174	170
Africa:									
Ivory Coast.....	40	38	38	75.0	92.1	92.1	3,000	3,500	3,500
Egypt.....	92	91	90	90.2	95.6	95.6	8,300	8,700	8,600
Ethiopia.....	25	25	25	92.0	92.0	92.0	2,300	2,300	2,300
Kenya.....	43	41	40	88.4	97.9	102.5	3,802	4,012	4,100
Madagascar.....	17	17	17	64.7	64.7	64.7	1,100	1,100	1,100
Malawi.....	17	17	17	88.2	88.2	88.2	1,500	1,500	1,500
Mauritius.....	80	80	80	75.0	75.0	75.0	6,000	6,000	6,000
Morocco.....	15	16	15	73.0	61.6	67.7	1,095	986	1,015
Reunion.....	37	37	35	59.5	63.4	71.4	2,200	2,344	2,500
South Africa.....	280	272	275	70.9	68.5	66.2	19,864	18,536	18,198
Sudan.....	40	40	50	112.5	112.5	100.0	4,500	5,000	5,000
Swaziland.....	36	37	37	149.2	159.0	162.2	5,372	5,882	6,000
Tanzania.....	23	24	24	65.2	62.5	62.5	1,500	1,500	1,500
Zambia.....	20	20	20	75.0	75.0	75.0	1,500	1,500	1,500
Zimbabwe.....	32	35	35	110.8	109.0	100.7	3,544	3,816	3,525
Other Africa.....	143	166	170	42.0	40.0	38.8	6,000	6,645	6,600
Total.....	940	956	968	76.1	76.3	75.3	71,577	72,921	72,938
Asia:									
Bangladesh.....	30	44	6	45.0	47.7	47.0	1,350	2,100	2,160
China.....	924	959	965	53.1	50.9	53.3	49,060	48,795	57,270
India.....	1,610	1,750	1,890	61.4	66.7	66.4	98,800	116,700	125,510
Indonesia.....	340	340	365	78.8	79.0	76.9	26,800	26,850	28,070
Iran.....	40	40	40	45.0	45.0	55.0	1,800	1,800	2,200
Japan.....	34	34	33	66.4	78.9	60.9	2,258	2,683	2,010
Malaysia.....	19	20	20	50.9	51.3	48.5	968	1,025	970
Pakistan.....	515	496	540	42.2	41.3	43.5	21,708	20,500	23,500
Philippines.....	285	310	310	64.4	62.4	64.5	19,000	19,350	20,000
Taiwan.....	63	61	61	93.6	83.5	67.6	5,276	5,233	5,400
Thailand.....	659	688	820	55.6	48.8	47.6	36,667	33,560	39,000
Other Asia.....	119	119	134	49.2	49.6	50.0	5,850	5,900	6,700
Total.....	4,648	4,861	5,224	58.2	58.5	59.9	270,537	284,546	312,790
Oceania:									
Australia.....	314	331	340	89.4	83.3	73.9	28,073	27,562	25,140
Fiji.....	60	60	60	53.1	68.2	67.0	3,185	4,089	4,020
Total.....	374	391	400	83.6	80.9	72.9	31,258	31,651	29,160
Grand total.....	10,903	10,982	11,369	62.2	61.6	62.2	678,622	676,061	706,934

¹ Preliminary. ² Quantity for processing.

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, 1988/89-1990/91¹

Continent and country	1988/89	1989/90	1990/91 ²	Continent and country	1988/89	1989/90	1990/91 ²
CENTRIFUGAL SUGAR (raw value)³	1,000 metric tons	1,000 metric tons	1,000 metric tons	CENTRIFUGAL SUGAR (raw value)³	1,000 metric tons	1,000 metric tons	1,000 metric tons
North and Central America and Caribbean:				Albania	40	30	25
Canada.....	104	121	138	Bulgaria	80	70	40
Costa Rica.....	224	245	250	Czechoslovakia	700	750	700
Cuba.....	8,100	8,000	7,623	Hungary	513	630	600
Dominican Republic.....	735	636	640	Poland	1,825	1,865	2,174
El Salvador.....	174	211	273	Romania	425	499	334
Guatemala.....	705	875	957	Yugoslavia	660	930	885
Honduras.....	184	199	212	Total Eastern Europe	4,243	4,774	4,758
Jamaica & Dep.....	192	229	230	Total Europe	20,623	21,947	22,962
Mexico.....	3,678	3,100	3,400	Soviet Union	8,900	9,530	9,160
Nicaragua.....	158	198	260	Africa:			
Panama.....	109	119	120	Ivory Coast	146	164	180
Trinidad and Tobago.....	97	121	103	Egypt	945	957	985
United States.....	6,089	6,008	6,351	Ethiopia	169	183	190
Other North and Central America and Caribbean	405	337	348	Kenya	411	441	430
Total	20,954	20,399	20,905	Madagascar	120	125	125
South America:				Malawi	185	175	200
Argentina.....	1,284	944	1,240	Mauritius	672	602	661
Brazil.....	8,582	7,793	7,900	Morocco	527	494	519
Bolivia.....	162	180	225	Reunion	262	178	200
Chile.....	446	448	370	South Africa, Republic of	2,340	2,289	2,165
Colombia.....	1,435	1,611	1,642	Sudan	360	420	480
Ecuador.....	315	331	352	Swaziland	462	501	521
Guyana.....	165	130	137	Tanzania, United Republic of	101	95	112
Paraguay.....	105	120	100	Zambia	150	132	125
Peru.....	626	620	560	Zimbabwe	459	502	492
Surinam.....	1	1	1	Other Africa⁴	535	565	575
Uruguay.....	85	75	70	Total Africa	7,844	7,823	7,960
Venezuela.....	513	500	494	Asia:			
Total	13,719	12,753	13,091	Bangladesh	117	196	262
European Community:				China (Mainland)	5,312	5,618	6,600
Belgium-Luxembourg.....	1,005	1,039	1,119	India	10,150	12,085	12,920
Denmark.....	550	529	591	Indonesia	1,920	2,080	2,130
France.....	4,372	4,204	4,744	Iran	630	600	700
Germany, Federal Republic of.....	3,578	4,087	4,672	Japan	984	988	925
Greece.....	235	421	315	Malaysia	100	105	96
Ireland.....	212	233	245	Pakistan	1,980	1,987	2,285
Italy.....	1,609	1,880	1,587	Philippines	1,600	1,750	1,770
Netherlands.....	1,074	1,241	1,339	Taiwan	664	511	530
Portugal.....	2	2	2	Thailand	4,055	3,502	3,900
Spain.....	1,289	1,037	1,036	Turkey	1,410	1,380	1,900
United Kingdom.....	1,417	1,322	1,348	Vietnam	400	450	500
Total EC	15,343	15,995	16,998	Other Asia⁵	188	199	201
Austria	358	457	451	Total Asia	29,510	31,451	34,719
Finland	154	163	176	Oceania:			
Sweden	375	401	419	Australia	3,680	3,797	3,515
Switzerland	150	152	160	Fiji	363	461	420
Other Western Europe	1,037	1,178	1,206	Total Oceania	4,043	4,258	3,935
Total Western Europe	16,380	17,173	18,204	World total	105,593	108,161	112,732

¹ 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. ² Preliminary. ³ 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. ⁴ "Other Africa" includes Algeria, Cameroon, Chad, Congo, Gabon, Ghana, Guinea, Ivory Coast, Mali, Malawi, Nigeria, Senegal, Somalia, Sudan, Tunisia, and Zambia. ⁵ "Other Asia" includes Afghanistan, Burma, Iraq, Israel, Lebanon, Papua, New Guinea, 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 114.—Sugar, cane and beet (raw value): Imports and domestic marketings, by source of supply, continental United States, 1988-90 ¹

Country or area of supply	1988	1989	1990 ²	Country or area of supply	1988	1989	1990 ²
	<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>
Argentina.....	39	118	110	Philippines.....	142	219	273
Australia.....	81	123	146	South Africa.....			
Belize.....	23	25	39	Taiwan.....	12	14	20
Brazil.....	117	92	412	Other countries.....	195	268	393
Colombia.....	87	338	372	Total foreign countries.....	1,368	1,838	2,726
Costa Rica.....	37	15	48	Domestic areas:			
Dominican Republic.....	226	303	340	Mainland (beet).....	3,832	3,449	3,570
Ecuador.....	11	13	19	Mainland (cane).....	2,489	2,594	2,110
El Salvador.....	42	33	45	Hawaii.....	902	788	818
Fiji Islands.....	9	10	35	Puerto Rico.....	19	12	
Guatemala.....	94	62	240	Total domestic areas..	7,242	6,843	6,498
Haiti.....	8	8	5	Grand total.....	8,610	8,681	9,224
Mexico.....	184	148	5				
Nicaragua.....			53				
Panama.....	13		83				
Peru.....	48	49	88				

¹ Raw value is the equivalent in terms of 96° sugar. ² Preliminary.

National Agricultural Statistics Service.

Table 115.—Sugar, cane and beet (refined): Stocks, production or receipts, and deliveries, continental United States, 1976-91 ¹

Item and year	Cane sugar refineries ²	Beet sugar factories	Importers of direct consumption sugar ³	Mainland cane sugar mills ⁴	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
JAN. 1 STOCKS ⁵					
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.....	211	1,304	0		1,515
1988.....	184	1,546	0		1,730
1989.....	187	1,372	0		1,559
1990.....	155	1,412	0		1,567
1991.....	168	1,327	0		1,495
PRODUCTION OR RECEIPTS					
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	38		8,202
1986.....	5,128	3,219	28		8,375
1987.....	4,960	3,912	18		8,890
1988.....	4,701	3,717	20		8,438
1989.....	5,311	3,500	76		8,887
1990.....	5,611	3,526	39		9,176
DELIVERIES ⁶					
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	2,973	7	45	10,125
1981.....	7,188	2,983	17	24	10,207
1982.....	5,736	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	38	4	7,874
1986.....	4,594	3,077	28	3	7,702
1987.....	4,454	3,656	18	4	8,131
1988.....	4,290	3,832	20	5	8,147
1989.....	4,764	3,449	76	6	8,295
1990.....	4,998	3,570	39	8	8,615

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

National Agricultural Statistics Service.

Table 116.—Sugar, cane (raw ¹): Refiners' raw stocks, receipts, meltings, and direct consumption deliveries, continental United States, 1976-90

Year	Jan. 1 stocks	Receipts ²	Meltings	Deliveries for direct consumption
	1,000 tons	1,000 tons	1,000 tons	1,000 tons
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	528	6,045	6,100	
1985	473	5,445	5,890	
1986	523	5,143	5,155	
1987	516	4,862	4,977	
1988	401	4,774	4,689	
1989	487	5,226	5,350	
1990 ³	381	5,646	5,654	

¹ Expressed in raw value, the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948. ² 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.

³ 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, 1976-90

Year	Production	Visible stocks beginning of period	Receipts from—		Commer- cial exports and ship- ments ¹	Domestic disappearance		
			Foreign sources	Puerto Rico		Livestock feed and alcohol ²	Military and civilian use ³	Per capita consumption (refined) ³
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Pounds
1976	6,798	2,856	4,658	203	76	0	10,893	93.4
1977	6,069	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	5,737	3,701	4,495	178	689	0	10,181	83.6
1981	6,224	3,082	5,025	48	1,191	0	9,770	79.4
1982	5,934	3,461	2,964	80	137	0	9,153	73.6
1983	5,680	3,068	3,080	67	300	0	8,828	70.3
1984	5,890	2,570	3,444	24	447	8	8,003	66.7
1985	5,967	3,005	2,797	36	481	15	7,731	62.7
1986	6,267	3,126	2,223	31	582	30	8,103	60.1
1987	7,309	3,225	1,546	12	604	27	8,136	62.4
1988	7,087	3,195	1,388	19	458	9	8,304	62.1
1989	6,840	3,132	1,882	12	614	6	8,304	62.8
1990 ⁴	6,335	2,946	2,765	0	650	8	8,621	64.5

¹ Includes sugar shipped to Puerto Rico and sugar used in manufacture of exported commodities. ² Includes use for polyhydric alcohol, beginning 1966. ³ Adjusted for changes in invisible stocks (estimated) held by manufacturers, wholesalers, and retailers. ⁴ Preliminary.

Economic Research Service.

Table 118.—Sugar, centrifugal (raw value): International trade, 1987-89

Continent and country	1987		1988		1989 ¹	
	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
North and Central America:						
Belize.....	88	6	76	0	85	0
Canada.....	101	1,119	76	928	58	711
Costa Rica.....	79	0	60	0	49	0
El Salvador.....	69	0	40	0	22	0
Guatemala.....	287	0	443	0	406	0
Honduras.....	95	8	40	5	21	5
Mexico.....	505	0	987	0	410	600
Nicaragua.....	50	4	39	12	80	15
Panama.....	39	0	30	0	45	0
United States.....	591	1,503	354	1,140	463	1,753
Caribbean:						
Barbados.....	67	0	75	0	51	0
Cuba.....	6,630	0	6,600	0	7,420	0
Dominican Republic.....	573	0	519	0	550	0
Haiti.....	7	41	8	33	8	35
Jamaica.....	136	52	150	43	132	68
St. Kitts and Nevis.....	30	0	32	0	30	0
Trinidad and Tobago.....	57	30	55	30	59	18
Other Caribbean.....	41	74	86	80	72	83
Total North and Central America.....	9,445	2,837	9,650	2,271	9,956	3,288
South America:						
Argentina.....	80	0	72	0	277	0
Brazil.....	2,086	0	2,131	0	1,371	0
Chile.....	0	15	0	29	0	46
Colombia.....	93	0	243	0	320	0
Ecuador.....	9	24	8	45	12	74
Guyana.....	181	19	147	4	173	32
Peru.....	33	341	39	222	54	126
Venezuela.....	0	0	0	205	0	288
Other South America.....	50	40	52	67	54	37
Total South America.....	2,532	439	2,692	572	2,261	603
Europe:						
Total EC.....	5,895	2,710	5,900	2,988	7,146	3,907
Austria.....	36	0	58	0	22	0
Cyprus.....	0	20	0	20	0	20
Finland.....	14	97	13	115	7	95
Iceland.....	0	12	0	12	0	12
Malta and Gozo.....	0	15	0	16	0	17
Norway.....	0	169	0	171	0	167
Sweden.....	38	46	44	92	47	42
Switzerland.....	1	161	0	136	0	141
Turkey.....	54	201	65	35	1	0
Other Western Europe.....	0	1	0	1	0	1
Total Western Europe.....	6,038	3,432	6,080	3,586	7,223	4,402
Albania.....	0	25	0	28	0	30
Bulgaria.....	65	410	35	405	40	409
Czechoslovakia.....	270	110	150	140	140	140
Hungary.....	0	0	0	18	70	70
Poland.....	282	161	86	61	99	243
Romania.....	9	56	0	303	125	100
Yugoslavia.....	25	0	60	13	30	250
Total Eastern Europe.....	651	762	331	968	504	1,242
Soviet Union.....	173	5,057	200	4,200	87	5,300

See footnotes at end of table.

Table 118.—Sugar, centrifugal (raw value): International trade, 1987-89—Continued

Continent and country	1987		1988		1989 ¹	
	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:						
Algeria	0	790	0	780	0	820
Angola	0	52	0	52	0	55
Cote d'Ivoire	20	5	27	14	20	10
Egypt	0	606	0	635	0	733
Ethiopia	20	0	35	0	25	0
Ghana	0	66	0	70	0	70
Kenya	0	143	10	39	20	59
Madagascar	18	7	16	0	64	0
Malawi	99	0	119	0	88	0
Mauritius	687	0	689	0	690	0
Mozambique	11	50	10	41	20	55
Nigeria	10	578	10	505	0	400
Senegal	0	70	0	55	0	58
Sierra Leone	0	20	0	15	0	15
South Africa	875	0	925	0	870	0
Sudan	0	100	0	110	0	54
Swaziland	506	0	394	0	428	0
Tunisia	0	150	0	180	0	185
Tanzania, United Republic	10	20	10	20	10	29
Zaire	0	40	0	45	0	50
Other Africa	651	929	459	942	504	936
Total Africa	2,907	3,626	2,704	3,503	2,739	3,529
Asia:						
Afghanistan	0	80	0	80	0	90
Bangladesh	0	122	0	121	0	150
China (Mainland)	459	1,507	309	3,700	275	2,462
Hong Kong	25	165	15	170	20	175
India	25	1,020	30	80	30	0
Indonesia	0	179	0	148	0	282
Iran	0	650	0	680	0	650
Iraq	0	635	0	635	0	653
Israel	0	260	0	230	0	250
Japan	6	1,695	2	1,848	2	1,909
Jordan	0	112	0	128	0	117
Korea, Republic of	289	1,101	320	1,105	305	1,109
Kuwait	0	75	0	75	0	75
Lebanon	0	80	0	80	0	90
Malaysia	188	661	121	741	226	797
Philippines	197	0	184	105	210	18
Saudi Arabia	0	375	0	400	0	410
Singapore	9	180	7	190	5	195
Sri Lanka	0	275	0	320	0	340
Syria	0	385	0	390	0	405
Taiwan	25	0	14	5	12	0
Thailand	1,960	0	1,892	0	3,004	0
Vietnam	25	0	0	75	6	75
Yemen (Aden)	0	50	0	50	0	60
Yemen (Sanaa)	0	200	0	210	0	220
Other Asia	0	1,086	0	717	51	617
Total Asia	3,208	10,893	2,844	12,283	4,146	11,149
Oceania:						
Australia	2,658	0	2,797	0	2,860	0
Fiji	440	0	358	0	333	0
New Zealand	0	170	23	153	3	149
Other Oceania	10	41	7	38	7	33
Total Oceania	3,108	211	3,185	191	3,203	182
World total	28,062	27,257	27,686	27,574	30,119	29,695

¹ Preliminary. ² World total may include countries not specified separately.
Foreign Agricultural Service. Data from Foreign Agricultural Service.

Table 119.—Sugar (raw and refined): Average price per pound at specified markets, 1976-90

Year	Wholesale price				Retail price, granulated: United States ⁴	Year	Wholesale price				Retail price, granulated: United States ⁴
	Cane sugar			Refined beet: mid-west ³			Cane sugar			Refined beet: mid-west ³	
	Raw, 96° centrifugal		New York, c.i.f. duty paid ²				Raw, 96° centrifugal		New York, c.i.f. duty paid ²		
	Caribbean ports, f.o.b. and stowed ¹	Cents					Caribbean ports, f.o.b. and stowed ¹	Cents			
	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents		
1976	11.58	13.3	16.9	24.0	1984	5.18	21.7	25.7	36.3		
1977	8.11	11.0	15.1	21.6	1985	4.04	20.3	23.2	35.3		
1978	7.82	13.9	18.9	23.7	1986	6.05	21.0	23.4	35.1		
1979	9.66	15.6	19.7	24.9	1987	6.71	21.8	23.6	35.3		
1980	29.02	30.1	38.3	42.7	1988	10.17	22.1	25.5	36.6		
1981	16.93	19.7	28.3	40.0	1989	12.79	22.8	29.4	40.0		
1982	8.42	19.9	27.6	34.3	1990	12.55	23.3	30.9	42.8		
1983	8.49	22.0	26.1	36.2							

¹ For 4th quarter 1977 through 3rd quarter 1979, derived by converting the London spot for sugar to a Caribbean basis in U.S. dollars. ² 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. ³ F.o.b.-basis list prices in 100 pound bags, not delivered prices—beginning calendar 1982 in bulk. To obtain delivered prices, add "freight pre-pays" and deduct discounts and allowances. ⁴ 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, 1988-90¹

Country of origin	1988	1989	1990	Country of origin	1988	1989	1990
	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.....	24	106	30	Malawi.....	9	10	21
Barbados.....	74	0	(²)	Mauritius.....	10	19	31
Brazil.....	131	55	319	Mozambique.....	12	14	20
Colombia.....	80	279	283	Swaziland.....	14	43	62
Costa Rica.....	28	30	39	Zimbabwe.....	11	22	26
Dominican Republic.....	218	322	227	Other Africa.....	24	16	46
Ecuador.....	7	12	(²)	Total.....	80	124	206
El Salvador.....	39	19	16	Asia and Oceania:			
Guatemala.....	84	53	184	Australia.....	73	99	43
Guyana.....	(²)	5	(²)	Philippines.....	134	207	246
Mexico.....	163	140	(²)	Other Pacific Is.:			
Nicaragua.....	0	0	14	NEC.....	8	9	30
Peru.....	31	32	35	Taiwan.....	13	12	35
Other America.....	111	88	125	Other Asia and Oceania.....	24	29	44
Total.....	990	1,141	1,272	Total.....	252	356	398
				World total ³	1,322	1,621	1,876

¹ Includes raw sugar imports and refined sugar imports converted to raw basis. ² Less than 500 tons. ³ 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): Beginning stocks in marketing years 1988/89-1991/92

Country	1988/89	1989/90	1990/91	1991/92	Country	1988/89	1989/90	1990/91	1991/92
	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
North America:					Eastern Europe:				
Canada.....	150	100	150	255	Albania.....	21	21	19	11
Mexico.....	577	605	750	1,010	Bulgaria.....	93	82	77	82
United States.....	1,194	1,110	1,098	1,448	Czechoslovakia.....	139	64	79	79
Total.....	1,921	1,815	1,998	2,713	Hungary.....	50	38	78	88
Caribbean:					Poland.....	45	36	186	165
Barbados.....	1	4	4	4	Romania.....	93	10	40	10
Cuba.....	460	340	475	698	Yugoslavia.....	231	187	203	187
Dominican Republic.....	220	181	174	174	Total.....	672	438	682	622
Haiti.....	8	8	13	14	USSR.....	2,060	2,373	2,430	2,540
Jamaica.....	19	19	14	15	North Africa:				
Trinidad/Tobago.....	4	3	4	5	Algeria.....	109	109	109	109
Other.....	76	90	50	47	Egypt.....	50	50	150	150
Total.....	788	645	734	957	Libya.....	25	25	45	55
Central America:					Morocco.....	109	136	131	120
Belize.....	13	13	7	7	Sudan.....	109	73	73	53
Costa Rica.....	52	64	72	70	Tunisia.....	41	56	71	71
El Salvador.....	28	22	17	50	Total.....	443	449	579	558
Guatemala.....	62	28	38	132	Africa:				
Honduras.....	14	15	16	12	Cote d'Ivoire.....	43	49	53	63
Nicaragua.....	37	30	19	34	Kenya.....	132	123	155	111
Panama.....	32	23	7	8	Madagascar.....	51	25	45	40
Total.....	238	195	176	313	Malawi.....	22	10	23	37
South America:					Mauritius.....	122	64	36	34
Argentina.....	145	267	257	217	Nigeria.....	80	60	70	70
Bolivia.....	112	81	12	32	South Africa.....	226	216	265	210
Brazil.....	771	1,382	1,164	1,045	Swaziland.....	38	29	46	53
Chile.....	71	103	90	90	Tanzania.....	2	2	2	9
Colombia.....	28	15	27	62	Tanzania.....	25	15	10	10
Ecuador.....	22	19	20	27	Zaire.....	5	20	56	37
Guyana.....	10	4	4	10	Zimbabwe.....	237	224	211	172
Paraguay.....	35	32	44	35	Total.....	983	837	972	846
Peru.....	45	63	30	67	Middle East:				
Surinam.....	3	3	2	2	Iran.....	246	246	220	275
Uruguay.....	14	19	14	16	Iraq.....	133	136	111	0
Venezuela.....	72	192	158	150	Israel.....	82	82	72	72
Total.....	1,328	2,180	1,822	1,753	Saudi Arabia.....	55	60	40	40
EC:					Turkey.....	495	225	345	515
Belgium/Luxembourg.....	96	131	120	110	Other.....	204	208	187	173
Denmark.....	41	47	53	60	Total.....	1,215	957	975	1,075
France.....	709	641	425	771	Asia:				
Germany.....	473	450	355	487	Bangladesh.....	85	52	83	140
Greece.....	70	35	178	98	China (Mainland).....	2,576	2,675	1,364	1,387
Ireland.....	99	96	93	104	India.....	2,700	1,600	2,541	3,391
Italy.....	479	332	458	284	Indonesia.....	464	358	447	447
Netherlands.....	223	114	58	141	Japan.....	180	242	182	180
Portugal.....	20	42	48	46	Korea, Republic of.....	207	221	159	129
Spain.....	170	334	232	186	Malaysia.....	175	166	177	163
United Kingdom.....	338	343	300	388	Pakistan.....	336	209	298	323
Total.....	2,718	2,565	2,320	2,655	Philippines.....	160	275	308	358
Western Europe:					Sri Lanka.....	63	58	59	49
Austria.....	77	37	38	39	Taiwan.....	159	281	239	245
Finland.....	36	86	73	65	Thailand.....	105	316	232	452
Norway.....	25	24	31	36	Other.....	201	195	195	190
Sweden.....	75	89	137	196	Total.....	7,411	6,648	6,284	7,459
Switzerland.....	205	200	197	161	Oceania:				
Other.....	10	10	10	16	Australia.....	236	256	260	250
Total.....	428	426	486	513	Fiji.....	43	37	25	17
					New Zealand.....	28	11	39	30
					Other.....	8	8	8	8
					Total.....	315	312	332	305
					World total.....	20,520	19,840	19,790	22,309

Table 122.—Sugar, centrifugal (raw value): United States exports, by country of destination, 1988-90¹

Country of destination	1988	1989	1990	Country of destination	1988	1989	1990
	<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, including Caribbean areas:				Europe:			
Bahamas.....	7,171	13,000	7,297	Germany.....	0	841	6
Canada.....	100,292	53,448	64,853	Netherlands.....	221	144	41
Haiti.....	14,779	10,276	38,599	United Kingdom.....	112	105	71
Jamaica.....	23,017	53,647	34,966	Other.....	776	60	16
Leeward and Windward Islands.....	750	1,079	961	Total.....	1,109	1,150	135
Mexico.....	275	158,705	250,846	Africa:			
Netherlands Antilles.....	5,619	5,526	5,723	Ghana.....	72	110	62
Trinidad and Tobago.....	0	39	0	Other.....	17	0	31
Other.....	1,428	1,388	10,503	Total.....	89	110	93
Total.....	153,330	297,106	413,750	Asia and Oceania:			
South America:				Iraq.....	105,867	101,296	44,432
Chile.....	0	0	14,980	Jordan.....	33,011	18,853	0
Guyana.....	0	0	3,531	Marshal Island.....	218	275	134
Peru.....	0	20,768	15,371	Saudi Arabia.....	73	34	97
Other.....	66	0	77	Other.....	561	536	159
Total.....	66	20,768	33,959	Total.....	139,730	120,995	44,823
				World total.....	294,324	440,129	492,759

¹ 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 123.—Honey: United States imports for consumption, by country of origin, 1988-90

Continent and country of origin	1988	1989	1990	Continent and country of origin	1988	1989	1990
	<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.....	5,193	12,422	3,454	Germany, Fed. Rep. of.....	1,059	381	155
Dominican Republic.....	241	185	179	Greece.....	5	9	6
El Salvador.....	87	60	102	Hungary.....	2,015	1,237	1,127
Guatemala.....	199	177	232	USSR.....	361	820	285
Honduras.....	0	0	0	United Kingdom.....	27	35	39
Mexico.....	1,438	2,969	7,340	Other countries.....	123	217	188
Other countries.....	22	0	23	Total.....	3,590	2,699	1,800
Total.....	7,180	15,813	11,330	Asia, Africa, and Oceania:			
South America:				Australia.....	21	93	1,126
Argentina.....	5,325	4,746	8,817	China.....	8,927	11,290	11,545
Brazil.....	118	192	84	Hong Kong.....	90	142	125
Chile.....	5	0	0	Japan.....	0	32	50
Colombia.....	0	0	0	New Zealand.....	9	2	23
Uruguay.....	0	0	40	Taiwan.....	1	6	1
Total.....	5,448	4,938	8,941	Other countries.....	104	36	4
				Total.....	9,152	11,601	12,874
				Grand total.....	25,370	35,050	34,944

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, 1988-90

Continent and country of origin	1988	1989	1990 ¹	Continent and country of origin	1988	1989	1990 ¹
	<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.....	108	201	195	France.....	1	2	0
Dominican Republic.....	151	47	71	Germany, Fed. Rep.....	15	115	478
Mexico.....	0	5	3	Norway.....	0	22	1
Other countries.....	0	0	0	Other countries.....	0	2	19
South America:				Asia and Oceania:			
Brazil.....	179	471	492	Australia.....	27	0	22
Chile.....	106	51	27	China.....	3	34	62
Other countries.....	55	10	0	Other countries.....	1	2	1
Africa:				Total.....	771	997	1,394
Ethiopia.....	10	16	12				
Tanzania.....	99	19	10				
Other countries.....	14	0	0				

¹ 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, 1975-90

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>	
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	889,665	269,798	27,599	211,395	2,007,243	224,409
1978.....	568,317	746,704	237,263	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	603,333	184,531	33,663	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.....	676,053	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.....	731,056	1,025,427	127,386			1,883,869	273,683
1987.....	726,854	1,137,014	110,784			1,974,652	152,087
1988.....	775,936	1,006,353	1,006,353			1,883,546	178,476
1989.....	760,887	965,813	122,786			1,849,486	169,270
1990.....							

Year	United States imports from foreign countries					Mainland exports ¹	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>		
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	3,395,601
1986.....	309,340	136,687	97,436	700,088	1,233,055	329,936	3,058,167
1987.....	95,004	123,619	183,525	560,003	962,151	366,957	2,721,954
1988.....	142,897	102,792	93,605	647,576	986,870	299,217	2,749,692
1989.....	107,109	147,235	75,634	596,892	926,870	293,535	2,652,091
1990.....							

¹ 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, 1976-90

Year	Production ¹						Imports			
	Syrups				Honey	Total	Maple syrup	Edible molasses and cane syrup ³	Honey	Total
	Corn	Maple ²	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	
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	15,612
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	1,000	1,700	16,925	1,746,910	1,672	8,095	10,000	19,767
1987	1,780,607	791	750	1,630	19,154	1,802,932	1,476	6,905	4,921	13,302
1988	1,824,168	1,168	500	1,925	18,083	1,845,844	1,293	7,295	4,724	13,312
1989	1,846,605	1,214	250	1,990	14,299	1,864,358	1,623	4,762	6,526	12,911
1990 ⁵	1,949,186	1,088	0	1,405	16,554	1,968,233	2,110	10,505	6,883	19,498

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
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	1,765,261
1987	938	1,045	1,983	1,779,669	2,267	9,285	23,030	1,814,251
1988	1,720	1,258	2,978	1,822,448	2,461	9,720	21,549	1,856,178
1989	3,258	840	4,098	1,843,347	2,837	7,002	19,985	1,873,171
1990 ⁶	8,767	1,050	9,817	1,940,419	3,198	11,910	22,387	1,977,914

¹ Production of edible molasses is from the fall of the preceding year. ² Does not include varying quantities produced on nonfarm lands in Somerset County, Maine. ³ U.S. Department of Commerce molasses and sugar syrups series. ⁴ Estimates for 1973-1977 from U.S. International Trade Commission Publication 881, April 1978. Corn syrup production includes high-fructose corn syrup. ⁵ Preliminary.

Economic Research Service.

Table 127.—Tobacco: Area, yield, production, and value, United States, 1976-90

Year	Area harvested	Yield per acre	Production ¹	Marketing year average price per pound received by farmers	Value of production
	Acres	Pounds	1,000 pounds	Dollars	1,000 dollars
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.....	963,730	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.....	586,290	2,028	1,188,868	1.573	1,869,569
1988.....	634,030	2,160	1,369,500	1.646	2,254,206
1989.....	678,200	2,016	1,367,188	1.708	2,335,052
1990 ²	730,160	2,201	1,606,851	1.734	2,785,573

¹ Production figures are on farm-sales-weight basis. ² Preliminary.
National Agricultural Statistics Service.

Table 128.—Tobacco: Area, yield, and production, by States, 1988-90

State	Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Acres	Acres	Acres	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
CT.....	1,810	1,730	1,820	1,641	1,641	1,648	2,971	2,793	3,000
FL.....	6,400	6,700	7,000	2,680	2,650	2,720	17,152	17,755	19,040
GA.....	38,000	40,000	43,000	2,260	2,180	2,400	85,880	87,200	103,200
IN.....	5,500	6,100	6,400	1,990	2,170	2,100	10,945	13,237	13,440
KY.....	158,000	178,050	194,450	2,247	2,059	2,248	355,024	366,551	437,153
MD.....	9,000	7,300	7,100	1,330	1,110	1,330	11,970	8,103	9,443
MA.....	520	480	470	1,475	1,554	1,651	767	746	776
MO.....	2,200	2,500	2,500	2,010	2,180	2,250	4,422	5,450	5,625
NC.....	249,900	266,700	285,500	2,211	2,029	2,240	552,627	541,056	639,620
OH.....	7,820	9,100	10,000	1,854	1,750	2,050	14,497	15,925	20,500
PA.....	9,500	9,500	10,000	1,913	1,887	1,978	18,175	17,925	19,780
SC.....	45,000	48,000	51,000	2,225	2,160	2,155	100,125	103,680	109,905
TN.....	48,200	45,500	48,940	1,920	1,754	2,031	93,142	79,820	99,416
VA.....	46,710	49,590	53,280	1,973	1,892	2,055	92,177	93,814	109,498
WV.....	1,700	1,450	1,800	1,600	1,300	1,600	2,720	1,885	2,580
WI.....	3,450	5,500	6,900	2,002	2,045	1,967	6,906	11,248	13,575
US.....	634,030	678,200	730,160	2,160	2,016	2,201	1,369,500	1,367,188	1,606,851

¹ Preliminary.
National Agricultural Statistics Service.

Table 129.—Tobacco: Area, yield, and production in specified countries, 1988-90

Continent and country	Area harvested			Yield per hectare			Production ²		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Hec- tares	Hec- tares	Hec- tares	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
North America:									
Canada.....	29,192	31,140	28,160	2.39	2.43	2.27	69,776	75,573	64,025
Mexico.....	44,895	33,029	22,118	1.67	1.81	1.57	75,120	59,890	34,653
United States.....	256,592	274,681	296,643	2.42	2.26	2.48	621,205	620,152	737,065
Total.....	330,679	338,850	346,921	2.32	2.23	2.41	766,101	755,615	835,743
South America:									
Paraguay.....	5,225	2,740	3,065	1.35	1.29	1.97	7,070	3,545	6,050
Bolivia.....	1,250	1,250	1,250	1.00	1.00	1.00	1,250	1,250	1,250
Venezuela.....	8,799	7,917	8,012	1.65	1.70	1.70	14,528	13,490	13,597
Ecuador.....	1,940	1,800	1,800	2.14	2.14	2.14	4,160	3,850	3,850
Colombia.....	20,771	19,007	19,604	1.53	1.54	1.61	31,839	29,348	31,580
Brazil.....	267,000	294,000	282,000	1.57	1.57	1.54	419,000	462,000	435,000
Chile.....	3,024	3,423	3,909	3.30	3.24	3.27	9,969	11,105	12,785
Uruguay.....	800	800	800	1.75	1.75	1.75	1,400	1,400	1,400
Peru.....	2,500	2,500	2,500	1.24	1.24	1.24	3,100	3,100	3,100
Argentina.....	55,233	55,248	49,155	1.31	1.46	1.38	72,235	80,544	67,624
Total.....	366,542	388,685	372,095	1.54	1.57	1.55	564,551	609,632	576,236
Central America:									
El Salvador.....	620	544	562	2.27	1.78	1.85	1,409	970	1,038
Costa Rica.....	800	851	888	2.05	1.84	1.95	1,643	1,567	1,728
Honduras.....	2,340	2,581	2,641	1.61	1.68	1.74	3,775	4,246	4,605
Guatemala.....	5,184	6,440	6,244	1.73	1.84	1.69	8,950	11,866	10,568
Panama.....	720	720	720	1.81	1.81	1.81	1,302	1,302	1,302
Nicaragua.....	2,240	2,240	2,240	2.03	2.03	2.03	4,550	4,550	4,550
Total.....	11,904	13,326	13,295	1.82	1.84	1.79	21,629	24,501	23,791
Caribbean:									
Cuba.....	50,000	50,000	50,000	.88	.88	.88	44,000	44,000	44,000
Jamaica.....	1,175	1,175	1,175	1.99	1.99	1.99	2,339	2,339	2,339
Dominican Rep.....	22,828	27,011	14,830	1.00	1.04	1.02	22,757	28,069	15,085
Total.....	74,003	78,186	66,005	.93	.95	.93	69,096	74,408	61,424
North Africa:									
Tunisia.....	5,400	5,455	5,500	1.02	1.03	1.03	5,500	5,610	5,650
Libya.....	900	900	900	1.61	1.61	1.61	1,450	1,450	1,450
Morocco.....	4,768	5,483	5,788	1.35	1.19	1.24	6,440	6,551	7,171
Algeria.....	2,580	2,600	2,700	1.63	1.85	1.85	4,200	4,800	5,000
Total.....	13,648	14,438	14,888	1.29	1.28	1.29	17,590	18,411	19,271
Other Africa:									
Congo.....	4,000	4,000	4,000	.45	.45	.45	1,800	1,800	1,800
Nigeria.....	6,500	7,700	7,300	1.22	1.20	1.26	7,921	9,223	9,223
Ethiopia.....	3,000	3,000	3,000	1.13	1.15	1.17	3,400	3,450	3,500
South Africa.....	24,936	24,539	24,841	1.27	1.59	1.17	31,593	38,949	29,106
Ghana.....	3,950	3,950	3,950	.46	.36	.47	1,825	1,433	1,839
Uganda.....	3,300	3,500	4,300	.91	.91	.93	3,000	3,200	4,000
Burundi.....	2,000	2,000	2,000	.80	.80	.80	1,600	1,600	1,600
Zaire.....	3,700	3,700	3,700	1.11	1.11	1.11	4,110	4,110	4,110
Cameroon.....	3,400	3,400	3,400	1.50	1.62	1.62	5,100	5,500	5,500
Mozambique.....	2,700	2,700	2,700	1.07	1.07	1.07	2,900	2,900	2,900
Tanzania.....	21,250	21,250	21,250	.80	.71	.66	17,055	15,055	14,055
Cote d'Ivoire.....	10,000	10,000	10,000	.25	.25	.25	2,467	2,490	2,490
Zambia.....	3,500	3,500	3,500	1.23	1.23	1.23	4,300	4,300	4,300
Togo.....	4,000	4,000	4,000	.50	.50	.50	2,000	2,000	2,000
Zimbabwe.....	61,563	60,544	62,924	2.01	2.23	2.22	123,671	135,205	139,803
Angola.....	3,950	3,950	3,950	.99	.99	.99	3,900	3,900	3,900
Madagascar.....	5,900	5,900	5,900	.93	.93	.93	5,500	5,500	5,500
Malawi.....	89,750	89,640	100,110	.84	.97	1.02	75,053	86,615	101,657
Kenya.....	8,330	10,335	8,805	1.10	1.11	1.13	9,196	11,510	9,910
Total.....	265,729	267,608	279,630	1.15	1.27	1.24	306,391	338,740	347,193
Other Asia:									
Cambodia.....	9,000	9,000	9,000	.56	.56	.56	5,000	5,000	5,000
Pakistan.....	41,599	43,216	40,911	1.67	1.64	1.66	69,530	71,089	68,044
Philippines.....	49,457	50,150	49,830	1.39	1.46	1.45	68,802	73,305	72,320
Malaysia.....	9,632	12,481	10,488	.78	1.11	1.05	7,480	13,877	10,997
Burma.....	55,000	55,000	55,000	.82	.82	.82	45,000	45,000	45,000
Indonesia.....	241,377	227,529	236,390	.57	.65	.65	137,775	146,914	154,480
Bangladesh.....	54,000	40,500	40,500	.95	.99	.99	51,545	40,000	40,000

See footnotes at end of table.

Table 129.—Tobacco: Area, yield, and production in specified countries, 1988-90—
Continued

Continent and country	Area harvested			Yield per hectare			Production ²		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
Other Asia—									
Continued	<i>Hec-</i>	<i>Hec-</i>	<i>Hec-</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>
	<i>tares</i>	<i>tares</i>	<i>tares</i>	<i>tons</i>	<i>tons</i>	<i>tons</i>	<i>tons</i>	<i>tons</i>	<i>tons</i>
Korea, North.....	37,000	37,000	37,000	1.24	1.24	1.24	46,000	46,000	46,000
China.....	1,554,850	1,800,000	1,701,300	1.76	1.57	1.54	2,731,251	2,830,353	2,623,500
Sri Lanka.....	12,165	12,165	12,165	.74	.74	.74	9,000	9,000	9,000
Korea, South.....	31,821	30,985	31,339	2.29	2.53	2.11	72,998	78,422	66,213
Vietnam.....	32,000	32,000	32,000	.88	.88	.88	28,000	28,000	28,000
Taiwan.....	8,654	8,019	7,941	2.39	2.37	2.41	20,712	18,986	19,131
India.....	318,000	377,000	421,100	1.16	1.31	1.34	367,400	492,800	564,400
Laos.....	4,000	4,000	4,000	.75	.75	.75	3,000	3,000	3,000
Japan.....	40,557	30,661	29,964	2.12	2.43	2.69	85,790	74,397	80,542
Thailand.....	55,502	56,716	63,665	1.06	1.14	1.20	58,561	64,780	76,235
Total.....	2,554,614	2,826,422	2,782,593	1.49	1.43	1.41	3,807,844	4,040,923	3,911,862
Middle East:									
Syria.....	14,355	10,145	12,757	1.12	1.07	1.02	16,054	10,859	13,007
United Arab Emirates.....	350	350	350	5.71	5.71	5.71	2,000	2,000	2,000
Turkey.....	236,861	284,542	300,953	.92	.95	.94	218,774	269,517	282,166
Yemen ³	3,322	3,300	3,300	1.69	1.73	1.73	5,600	5,720	5,720
Lebanon.....	3,750	3,750	3,750	1.33	1.33	1.33	5,000	5,000	5,000
Oman.....	1,800	1,800	1,800	1.17	1.11	1.11	2,100	2,000	2,000
Iraq.....	2,000	2,000	2,000	1.09	1.09	1.09	2,180	2,180	2,180
Jordan.....	2,918	2,931	2,953	1.18	.96	.95	3,451	2,827	2,800
Iran.....	18,000	18,000	18,000	1.36	1.39	1.39	24,500	25,000	25,000
Total.....	283,356	326,818	345,863	.99	.99	.98	279,659	325,103	339,873
European Community:									
Greece.....	87,006	81,471	76,459	1.41	1.42	1.63	123,078	115,750	124,752
Italy.....	93,810	95,165	106,000	1.97	2.07	2.08	184,355	197,316	221,000
Portugal.....	1,953	2,076	2,257	2.25	2.64	2.47	4,393	5,472	5,573
Germany ³	6,732	6,955	5,880	1.85	1.79	1.90	12,472	12,464	11,147
Spain.....	24,400	27,330	23,450	1.41	1.66	1.86	34,325	45,415	43,500
Belgium-Luxembourg.....	426	438	461	3.87	4.11	3.37	1,647	1,800	1,553
France.....	12,670	11,413	10,704	2.32	2.56	2.64	29,357	29,216	28,295
Total.....	226,997	224,348	225,211	1.72	1.81	1.94	389,627	407,433	435,820
Other Europe:									
Romania.....	39,500	34,400	16,845	.98	.80	.84	38,650	27,500	14,200
Poland.....	41,772	29,429	30,150	2.22	2.04	2.06	92,870	60,000	62,050
Czechoslovakia.....	3,750	3,750	3,750	1.47	1.47	1.33	5,500	5,500	5,000
Hungary.....	10,900	9,082	8,700	2.09	1.42	1.65	22,800	12,869	14,346
Bulgaria.....	87,609	72,661	52,891	1.32	1.04	1.26	115,734	75,537	66,858
Switzerland.....	685	673	671	2.55	2.41	1.89	1,750	1,620	1,265
Albania.....	24,000	24,000	24,000	.63	.63	.63	15,000	15,000	15,000
Yugoslavia.....	51,000	49,000	45,000	1.11	1.29	1.04	56,610	63,270	46,620
Total.....	259,216	222,995	182,007	1.35	1.17	1.24	348,914	261,296	226,339
USSR.....	131,500	113,400	103,400	1.84	2.06	2.18	242,000	233,200	225,000
Oceania:									
Australia.....	5,015	4,771	4,727	2.66	2.79	2.82	13,335	13,296	13,327
New Zealand.....	700	600	600	2.57	2.58	2.58	1,800	1,550	1,550
Total.....	5,715	5,371	5,327	2.65	2.76	2.79	15,135	14,846	14,877
Other ⁴	7,888	7,502	7,282	.86	.90	.91	6,814	6,781	6,635
World total.....	4,531,791	4,828,449	4,744,517	1.51	1.47	1.48	6,835,351	7,110,889	7,023,064

¹ Preliminary. ² Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics. ³ In this table, data for the territories has formerly known as East Germany (GDR) and West Germany (FRG) have been combined under the heading Germany. Data for the GDR has been included in the aggregate for the European Community (EC-12) and excluded from the aggregate for Eastern Europe. Likewise, data for the territories formerly known as North Yemen and South Yemen have been combined under the heading Yemen. ⁴ Other countries: Sierra Leone, Guyana, Niger, Austria, Mauritius, Cyprus, Central African Republic, St. Vincent and the Grenadines, Benin, Haiti, Trinidad and Tobago, Chad, Liberia, Mali, Reunion, Solomon Islands, Swaziland, Israel.

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, Foreign Service Officers and 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, 1981–90 (farm-sales-weight basis)

Type and crop year	Area	Yield per acre	Production	Stocks ¹	Supply	Disappearance			Av. price per pound to growers
						Total	Exports ²	Domestic	
Total flue-cured, types 11-14:	<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>
1981	540,600	2,164	1,169,733	2,012,570	\$ 182,303	^a 1,011,732	522,947	488,795	166.4
1982	472,300	2,131	1,006,527	2,145,138	3,151,665	^a 934,737	455,875	478,777	178.5
1983	409,800	2,004	821,288	2,204,654	3,025,942	^a 894,150	452,544	441,606	177.9
1984	392,000	2,206	864,625	2,165,304	3,029,929	^a 934,785	480,493	454,292	181.1
1985	357,100	2,241	800,258	2,080,119	2,880,377	^a 911,494	435,085	476,409	171.9
1986	308,300	2,091	644,563	1,958,025	2,602,518	^a 872,932	393,191	479,741	152.7
1987	324,600	2,129	690,914	1,751,991	2,442,905	^a 922,618	385,282	537,336	158.7
1988	366,400	2,219	813,212	1,512,573	2,325,785	^a 884,685	362,825	521,860	161.3
1989	390,700	2,069	808,350	1,423,988	2,232,338	954,243	387,543	566,700	167.4
1990 ⁴	416,900	2,253	939,234	1,307,845	2,247,079				167.3
Total fire-cured, types 21-23:									
1981	24,650	1,526	37,624	71,348	108,972	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	41,407	22,495	18,912	143.1
1987	13,860	1,990	27,575	100,023	127,598	41,947	21,780	20,167	149.6
1988	13,540	2,271	30,744	85,651	116,395	34,075	19,171	14,904	213.8
1989	15,100	1,915	28,923	82,320	111,243	35,644	17,806	17,838	198.1
1990 ⁴	15,440	2,265	34,978	75,599	110,577				192.4
Virginia fire-cured, type 21:									
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	2,366	2,043	323	127.8
1987	2,600	1,000	2,600	6,978	9,578	3,158	2,582	576	131.5
1988	2,300	1,270	2,920	6,420	9,340	2,870	2,545	325	148.2
1989	2,000	1,240	2,480	6,470	8,560	3,596	3,000	596	153.7
1990 ⁴	2,100	1,315	2,762	5,354	8,116				160.2
Kentucky and Tennessee fire-cured, types 22-23:									
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	39,041	20,452	18,589	144.5
1987	11,260	2,218	24,975	93,045	118,020	38,789	19,198	19,591	151.5
1988	11,240	2,475	27,824	79,231	107,055	31,205	16,626	14,579	220.7
1989	13,100	2,019	26,443	75,850	102,293	32,048	14,806	17,242	199.0
1990 ⁴	13,340	2,415	32,216	70,245	102,461				195.2
Burley, type 31:									
1981	331,200	2,203	729,774	1,000,221	1,729,995	^a 604,917	141,016	463,898	180.7
1982	346,200	2,374	821,918	1,120,907	1,942,825	^a 578,875	134,448	444,027	180.1
1983	292,600	1,645	481,439	1,318,726	1,800,165	^a 501,031	112,305	388,726	177.3
1984	315,700	2,256	712,209	1,344,395	2,056,604	^a 556,193	153,627	402,566	187.6
1985	255,100	2,247	573,321	1,461,915	2,035,236	^a 575,566	150,631	424,935	159.4
1986	210,700	1,936	407,922	1,428,249	1,836,171	^a 567,197	165,275	401,922	156.5
1987	215,800	1,943	419,360	1,278,823	1,698,183	^a 633,021	156,480	476,541	156.3
1988	226,300	2,109	477,208	1,073,302	1,550,510	^a 578,307	163,965	414,342	161.0
1989	244,350	1,975	482,568	963,095	1,445,663	614,412	168,706	445,706	167.2
1990 ⁴	270,600	2,204	596,317	846,983	1,443,300				175.3
Maryland, type 32:									
1981	36,230	1,281	46,424	37,410	83,834	36,472	8,088	28,384	157.3
1982	29,340	1,438	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	1,996	38,100	54,109	92,209	37,700	9,030	28,670	132.0
1985	23,500	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	15,700	1,321	20,738	50,665	71,403	30,212	5,383	24,823	111.0
1988	12,500	1,476	18,445	41,191	59,636	26,523	5,123	21,400	150.8
1989	12,500	1,426	17,825	33,113	50,938	26,468	3,821	22,647	162.4
1990 ⁴	10,700	1,505	16,103	21,948	38,051				181.6

See footnotes at end of table.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1981-90 (farm-sales-weight basis)—Continued

Type and crop year	Area	Yield per acre	Production	Stocks ¹	Supply	Disappearance			Av. price per pound to growers
						Total	Exports ²	Domestic	
	Acres	Pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Cents
Total dark air-cured, types 35-37:									
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	51,859	63,039	13,462	2,513	10,949	120.1
1987.....	3,610	1,932	6,976	47,630	54,606	15,387	1,569	13,818	129.9
1988.....	3,390	2,218	7,519	39,219	46,738	9,521	1,950	7,571	162.2
1989 *.....	3,540	1,845	6,532	37,217	43,749	13,230	2,107	11,123	169.5
1990 *.....	3,480	2,197	7,647	30,519	38,166				185.8
One Sucker, type 35:									
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	28,873	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.....	2,380	1,952	4,646	30,576	35,222	9,877	1,436	8,441	138.0
1988.....	2,330	2,243	5,226	25,345	30,571	(³)	(³)	(³)	171.8
1989.....	2,450	1,828	4,478	(³)	(³)				175.5
1990 *.....	2,500	2,208	5,520						189.1
Green River, type 36:									
1981.....	2,300	1,545	3,554	13,131	17,271	4,336	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.....	1,100	2,000	2,200	18,119	20,319	4,687	5	4,682	114.4
1988.....	950	2,280	2,166	15,632	17,798	(³)	(³)	(³)	141.1
1989.....	1,000	1,950	1,950	(³)	(³)				157.6
1990 *.....	900	2,250	2,025						178.7
Virginia sun-cured, type 37:									
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.....	130	1,000	130	963	1,262	264	128	136	102.5
1988.....	110	1,155	127	829	956	306	126	180	123.9
1989.....	90	1,155	104	650	754	118	90	28	135.1
1990 *.....	80	1,275	102	636	738				145.6
Total continental cigar filler, types 41-44:									
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	26,087	195	25,892	66.7
1987.....	7,050	1,897	13,372	38,417	51,789	20,919	306	20,613	72.1
1988.....	6,020	1,948	11,728	30,870	42,598	14,185	22	14,163	102.0
1989.....	5,500	1,950	10,725	28,415	39,140	15,494	0	15,494	127.0
1990 *.....	6,400	2,050	13,120	23,646	36,766				139.0
Pennsylvania seedleaf filler, type 41:									
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.....	7,000	1,900	13,300	32,096	45,396	20,336	306	20,030	72.0
1988.....	6,000	1,950	11,700	25,060	36,760	12,412	22	12,390	104.0
1989.....	5,500	1,950	10,725	24,348	35,073	12,124	0	12,124	127.0
1990 *.....	6,400	2,050	13,120	22,949	36,069				139.0

See footnotes at end of table.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1981-90 (farm-sales-weight basis)—Continued

Type and crop year	Area	Yield per acre	Production	Stocks ¹	Supply	Disappearance			Av. price per pound to growers
						Total	Exports ²	Domestic	
	Acres	Pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Cents
Miami Valley (Ohio) filler, types 42-44:									
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	650	7,073	7,583	1,262		1,262	89.0
1987	50	1,440	72	6,321	6,393	583		583	96.0
1988	20	1,400	28	5,810	5,838	1,773		1,773	104.0
1989	0	0	0	4,067	4,067	3,370		3,370	
1990 ⁴	0	0	0		697				**
Puerto Rican filler, type 46:⁵									
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	200	1,000	200	4,965	5,165	1,076		1,076	74.7
1988	200	1,000	200	4,189	4,389	971		971	73.1
1989	200	1,000	200	3,418	3,618	47		47	**
1990 ⁴	*	**	*	3,371	3,371				**
Total cigar binder, types 51-55:									
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	5,240	1,987	10,149	53,804	63,953	21,620	180	21,440	112.3
1988	4,400	1,940	8,536	42,333	50,869	16,503	123	16,380	133.6
1989	6,290	2,007	12,504	34,540	47,044	16,173	48	16,130	153.0
1990 ⁴	7,560	1,969	14,883	31,014	45,897				157.8
Connecticut Valley binder, types 51-52:									
1981	1,740	1,998	3,477	6,092	9,569	2,483		2,371	182.1
1982	2,100	1,685	3,539	7,086	10,625	3,286		3,101	180.9
1983	1,375	1,793	2,465	7,270	9,735	3,074		2,918	155.7
1984	1,050	1,794	1,884	6,661	8,545	2,603		2,314	167.6
1985	1,130	1,819	2,055	5,942	7,997	1,474		2,222	177.5
1986	1,130	1,770	2,000	6,523	8,523	2,119		2,222	189.7
1987	1,040	1,711	1,779	6,404	8,183	1,956		1,800	177.0
1988	950	1,716	1,630	6,227	7,857	2,952		2,829	170.0
1989	730	1,721	1,256	4,905	6,161	2,272		43	2,229
1990 ⁴	660	1,758	1,160	3,889	5,049				250.0
Wisconsin binder, types 54-55:									
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	4,200	1,993	8,370	47,400	55,770	19,664	0	19,664	100.0
1988	3,450	2,002	6,906	36,106	43,012	13,551	0	13,551	125.0
1989	5,500	2,045	11,248	29,635	40,883	13,901	0	13,901	150.0
1990 ⁴	6,900	1,989	13,723	27,125	40,848				150.0
Southern Wisconsin, type 54:									
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	2,700	2,100	5,670						100.0
1988	2,400	2,090	5,016						125.0
1989	3,500	2,185	7,648						150.0
1990 ⁴	4,100	2,350	9,635						150.0

See footnotes at end of table.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1981-90 (farm-sales-weight basis)—Continued

Type and crop year	Area	Yield per acre	Production	Stocks ¹	Supply	Disappearance			Av. price per pound to growers
						Total	Exports ²	Domestic	
	<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>
Northern Wisconsin, type 55:									
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.....	1,500	1,800	2,700						100.0
1988.....	1,050	1,800	1,890						125.0
1989.....	2,000	1,800	3,600						150.0
1990 ⁴	2,800	1,460	4,088						150.0
Total cigar wrapper, types 61-62: ⁷									
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.....	1,280	1,242	1,590	2,185	3,775	2,023	1,900	123	1,550.0
1988.....	1,380	1,528	2,108	1,752	3,860	2,114	2,000	114	2,120.0
1989.....	1,480	1,543	2,283	1,749	4,032	1,688	1,600	88	2,170.0
1990 ⁴	1,630	1,627	2,652	2,095	4,747				2,300.0
Total tobacco, types 11-72: ⁸									
1981.....	976,580	2,114	2,064,211	3,291,217	5,335,428	⁹ 1,763,032	697,411	1,065,621	170.6
1982.....	913,030	2,185	1,995,294	3,560,605	5,555,468	⁹ 1,664,452	629,224	1,035,228	176.4
1983.....	789,955	1,810	1,429,769	3,834,364	5,264,133	⁹ 1,533,563	595,616	937,947	174.5
1984.....	792,300	2,182	1,728,562	3,809,244	5,537,806	⁹ 1,622,539	666,168	956,361	180.6
1985.....	688,420	2,196	1,512,038	3,865,380	5,377,418	⁹ 1,621,480	620,281	1,011,199	164.5
1986.....	581,750	2,001	1,164,140	3,711,172	4,875,242	⁹ 1,572,021	590,472	981,549	152.2
1987.....	587,340	2,028	1,190,874	3,323,538	4,514,412	1,688,778	571,425	1,118,353	157.0
1988.....	634,030	2,160	1,369,500	2,826,891	4,196,391	1,566,036	555,179	1,011,710	164.6
1989.....	678,200	2,016	1,367,188	2,604,282	3,971,470	1,677,399	581,626	1,095,773	170.8
1990 ⁴	732,710	2,218	1,624,934	2,343,020	3,967,954				174.2

¹ Not applicable. ² July 1 for flue-cured types 11-14 and cigar types 61 and 62; Oct. 1 for all other types. ³ Exports by rehanding trade included in totals of types from which they are made. ⁴ Disappearance adjusted for tobacco still on farms at end of marketing year. ⁵ Preliminary. ⁶ Not available. ⁷ Puerto Rican crop planted in the fall of the year shown and harvested the following spring. ⁸ No type 62 tobacco has been produced since 1978. All stocks of type 62 were used in the 1984 crop year. ⁹ 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, 1985-89 (farm-sales-weight basis) ¹

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
Flue-cured, types 11-14:					Puerto Rican filler, type 46: ²				
1986	2,360,375	2,132,070	1,958,025	2,216,827	1986	6,194	5,760	5,987	6,028
1987	2,140,894	1,913,456	1,751,991	1,990,329	1987	6,015	7,061	5,590	4,965
1988	1,961,489	1,697,840	1,512,573	1,855,355	1988	5,001	4,828	4,804	4,189
1989	1,794,896	1,593,940	1,423,988	1,733,978	1989	4,548	4,486	3,353	3,418
1990	1,758,991	1,518,375	1,307,845	1,684,955	1990	4,346	2,366	3,777	3,371
Virginia fire- cured, type 21:					Connecticut Valley, types 51-52:				
1986	6,930	9,218	7,057	5,091	1986	6,240	6,916	7,096	6,523
1987	7,634	8,820	7,907	7,055	1987	6,901	6,446	6,204	6,404
1988	8,015	7,764	7,558	6,556	1988	6,196	6,650	6,323	6,227
1989	7,488	7,970	7,594	6,484	1989	6,021	6,007	5,779	4,905
1990	6,268	6,621	6,557	5,354	1990	5,502	5,010	4,653	3,889
Kentucky and Tennessee fire-cured, types 22-23:					Wisconsin, types 54-55:				
1986	74,098	106,235	104,559	96,358	1986	50,057	78,950	58,895	53,394
1987	987,957	115,168	105,550	95,960	1987	50,014	57,360	54,671	47,400
1988	86,161	99,592	93,747	82,214	1988	45,026	48,934	38,645	36,106
1989	76,800	93,114	87,116	79,600	1989	25,741	35,226	32,664	29,635
1990	69,384	78,883	77,349	70,245	1990	18,913	33,902	30,848	27,125
Burley, type 31:					Connecticut Valley shade- grown, type 61:				
1986	1,714,896	1,709,785	1,562,937	1,428,249	1986	3,527	2,718	2,633	2,365
1987	1,613,402	1,551,786	1,402,255	1,281,015	1987	2,631	2,309	2,185	1,773
1988	1,364,940	1,357,323	1,216,457	1,073,857	1988	2,701	2,171	1,752	1,569
1989	1,227,400	1,236,782	1,085,417	964,581	1989	2,407	2,991	1,749	2,953
1990	1,131,658	1,148,076	979,016	846,983	1990	2,445	2,185	2,095	1,246
Maryland, type 32:					Georgia and Florida shade- grown, type 62:				
1986	48,535	48,123	58,328	53,408	1986	0	0	0	0
1987	47,750	45,174	54,388	50,665	1987	0	0	0	0
1988	43,034	39,676	45,420	41,191	1988	0	0	0	0
1989	39,105	32,419	37,090	39,118	1989	0	0	0	0
1990	27,668	23,396	23,756	21,948	1990	0	0	0	0
One Sucker, type 35 and 36:					Perique, type 72:				
1986	32,961	36,563	33,475	32,115	1986	145	208	182	257
1987	33,309	33,664	31,468	30,576	1987	156	198	137	128
1988	30,393	30,845	28,976	25,345	1988	96	105	105	93
1989	22,777	25,287	23,921	21,850	1989	102	152	45	109
1990 ³	33,772	35,439	32,396	29,883	1990	88	67	309	70
Green River, type 36:					Other miscellaneous domestic, type 73:				
1986	17,641	20,928	20,356	18,811	1986	2,042	2,169	5,456	5,546
1987	20,462	20,202	19,018	18,119	1987	9,452	9,039	9,292	10,241
1988	17,769	17,790	16,942	15,632	1988	11,701	10,670	10,013	10,438
1989	18,142	19,583	18,377	17,196	1989	8m490	5,912	4,188	3,073
1990 ³					1990	2,850	7,426	8,010	7,789
Virginia sun- cured, type 37:					Foreign-grown cigar-leaf, types 81-89:				
1986	1,207	1,357	987	933	1986	88,993	86,158	80,678	86,133
1987	1,049	1,181	1,129	955	1987	76,444	72,129	65,243	66,697
1988	963	941	979	829	1988	62,220	61,674	67,172	61,278
1989	878	902	813	527	1989	59,682	58,953	64,672	61,729
1990	649	806	775	636	1990	61,063	59,866	69,360	71,468
Pennsylvania seedleaf, type 41:					Foreign-grown cigarette and smoking, types 91-93:				
1986	38,430	48,533	45,547	41,721	1986	923,908	941,988	969,550	921,676
1987	36,646	39,623	37,314	32,096	1987	907,523	956,058	939,598	870,364
1988	29,915	33,890	27,825	25,060	1988	857,776	819,046	781,172	741,423
1989	22,843	28,415	26,570	24,348	1989	757,409	725,886	749,217	707,228
1990	18,351	23,780	23,860	22,949	1990	658,766	671,614	674,862	664,284
Miami Valley (Ohio) filler, types 42-44:									
1986	6,045	6,483	6,366	7,073					
1987	6,872	7,162	6,923	6,321					
1988	6,022	5,751	5,761	5,804					
1989	5,092	5,963	6,064	4,071					
1990	2,326	1,733	1,186	697					

¹ 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. ² Stocks on the island of Puerto Rico are included. ³ One Sucker and Green River combined.

Agricultural Marketing Service.

Table 132.—Tobacco products: Cigars, cigarettes, chewing and smoking tobacco, and snuff, manufactured in the United States, 1982–90

Year	Cigars		Cigarettes		Chewing tobacco			Smoking tobacco			Snuff	Total chewing, smoking, and snuff
	Large	Small	Large ¹	Small	Plug	Twist	Loose-leaf	Pipe	Granulated	Cigarette cut		
	Mil-lions	Mil-lions	Mil-lions	Mil-lions	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
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.....	3,123.8	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	1,487.3	.4	656,828.2	10,408	1,414	69,610	16,025	254	3,065	47,469	148,245
1987.....	2,133.4	1,141.2	1.0	689,174.1	10,000	1,434	67,270	14,159	69	3,772	47,185	143,889
1988.....	1,979.6	1,176.3	2.18	694,515.4	8,919	1,381	65,506	12,731	94	3,835	48,637	141,403
1989.....	1,980.2	1,161.6	1.78	677,199.6	8,341	1,258	64,906	12,675	126	4,155	49,687	141,148
1990 ²	1,896.7	1,253.4	.29	710,380.3	7,409	1,224	64,283	12,220	65	4,146	46,304	135,651
Taxable removals and domestic invoices ³												
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	72,374	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.....	2,673.5	1,153.4	.5	577,007.2	9,763	1,450	65,181	13,756	131	3,807	45,093	139,181
1988.....	2,428.3	1,160.4	.32	543,378.6	8,517	1,342	64,832	12,506	111	3,760	47,809	138,877
1989.....	2,364.7	1,146.8	.36	540,068.3	8,119	1,290	63,517	12,052	122	3,948	43,131	138,179
1990 ²	2,233.2	1,214.1	.15	523,094.3	7,172	1,235	62,278	11,232	72	3,957	44,466	130,412
Tax-free removals and exports												
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.....	82.8	2.4	0	111,198.0	266	0	149	541	0	0	774	1,730
1988.....	78.0	3.2	0	132,952.4	185	0	76	566	0	0	917	1,744
1989.....	76.1	1.9	0	147,494.8	181	0	77	589	0	0	797	1,644
1990 ²	73.9	.13	0	178,742.1	157	0	58	488	0	0	960	1,663

¹ Weighing more than three pounds per thousand. ² Preliminary. ³ Includes cigars and cigarettes imported or brought into the United States and Puerto Rico. ⁴ 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, 1976-90¹

Year	Cigarettes			Large cigars ²			Smoking, chewing, and snuff ³		All tobacco products ³	
	Total	Per capita	Per capita	Total	Per capita	Per capita	Total	Per capita	Total	Per capita
1976	614	1,102	4,092	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	1,287	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	1,201	6.81
1986	584	1,022	3,274	3.1	50	17	100	.56	1,170	6.56
1987	575	989	3,197	2.7	44	15	96	.53	1,133	6.30
1988	563	973	3,096	2.5	41	14	96	.53	1,110	6.11
1989	540	909	2,926	2.5	41	14	94	.51	1,045	5.66
1990 ⁵	525	893	2,817	2.4	39	13	93	.50	1,027	5.51

¹ Includes consumption by overseas forces. ² Weighing over 3 pounds per 1,000. ³ Unstemmed-processing weight equivalent. ⁴ Includes weight of small cigars. ⁵ 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, 1976-90

Year	Cigarettes				Cigars ³			
	Total output	Domestic consumption ¹	Tax-exempt removals ²		Total output ⁴	Domestic consumption ¹	Tax-exempt removals ²	
			Total	Exports			Total	Exports
	Billions	Billions	Billions	Billions	Millions	Millions	Millions	Millions
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	58.9	3,127	3,197	95	101
1986	658.0	583.8	74.3	64.3	2,932	3,055	96	62
1987	689.4	575.0	111.2	100.2	2,133	2,728	86	145
1988	694.5	562.5	133.0	118.5	1,980	2,531	78	87
1989	677.2	540.0	149.1	141.8	1,973	2,507	76	37
1990 ⁵	700.0	527.0	172.0	164.3	1,875	2,384	70	14

¹ As indicated by taxable removals and imports, and estimated inventory changes. ² In addition to exports, tax-exempt removals include principally shipments to forces overseas, to United States possessions, and ships' stores.

³ Includes cigarillos but excludes small (approximately cigarette-size) cigars. ⁴ Includes cigars shipped to mainland United States from Puerto Rico. ⁵ 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, 1976-90 ¹

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
	<i>Cents</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Percent</i>
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	³ 48.7
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
1988.....	144.2	15.2	1.9	150.0	14.6	3.2
1989.....	146.8	28.4	3.4	153.2	.3	1
1990.....	148.8	74.1	8.1	155.8	.....	.....

¹ Support operations for minor kinds of tobacco not shown. Burley and flue-cured usually account for over 95 percent of tobacco loan placements. ² Less than 500,000 pounds. ³ Preliminary.
Agricultural Stabilization and Conservation Service.

Table 136.—Tobacco, unmanufactured: United States imports for consumption, by country of origin, 1988-90

Classification and country of origin	1988	1989	1990 ¹	Classification and country of origin	1988	1989	1990 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cigarette leaf:				Scrap:			
Brazil.....	39,531	33,827	30,844	Dominican Republic.....	621	716	828
Greece.....	11,250	16,535	15,960	Brazil.....	785	70	61
Yugoslavia.....	3,870	4,343	6,338	Italy.....	2,040	2,047	1,576
Canada.....	6,492	2,743	1,906	Turkey.....	4,842	1,777	3,488
Italy.....	2,246	3,596	3,225	Philippines.....	385	575	551
Turkey.....	46,425	51,628	56,777	Indonesia.....	2,046	491	515
Korea, Rep. of.....	4,774	1,534	297	Other countries.....	2,523	2,264	2,181
Bulgaria.....	5,603	5,408	4,732	Total.....	13,242	7,940	9,200
Thailand.....	4,012	4,570	3,611	Stems:			
Other countries.....	41,630	37,008	41,714	Canada.....	1,130	630	1,626
Total.....	165,833	161,192	165,404	Dominican Republic.....	113	101	89
				Brazil.....	6,761	6,169	6,509
Cigar wrapper:				Argentina.....	1,588	524	1,550
Honduras.....	213	189	137	Philippines.....	713	180	459
Nicaragua.....	2	0	0	Other countries.....	6,312	2,738	1,756
Cameroon.....	100	185	73	Total.....	16,617	10,342	11,989
Other countries.....	425	438	570	Grand total ²	196,433	180,286	187,373
Total.....	740	812	780				

¹ Preliminary. ² Includes unstemmed and stemmed cigar filler.

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

Table 137.—Tobacco, unmanufactured: International trade, 1987-89

Continent and country	1987 ¹		1988 ¹		1989 ¹	
	Exports	Imports	Exports	Imports	Exports	Imports
North and Central America (incl. Caribbean):	<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:						
Canada.....	26,701	527	19,550	924	12,065	783
Costa Rica.....	15	17	0	18	0	61
Cuba.....	18,902	2,700	16,000	3,000	14,000	3,000
Dominican Republic.....	11,000	1,100	15,154	325	22,299	250
El Salvador.....	100	300	116	555	165	586
Guatemala.....	4,485	554	4,634	116	6,761	0
Haiti.....	0	700	0	1,000	0	1,000
Honduras.....	1,200	50	1,398	50	1,734	60
Jamaica and Dep.....	400	418	242	483	250	450
Mexico.....	8,050	1,500	15,588	3,679	11,065	3,200
Nicaragua.....	209	335	160	400	160	400
Panama.....	410	133	410	133	410	133
Trinidad and Tobago.....	0	842	0	717	0	800
United States ²	195,039	221,920	218,542	167,171	220,407	194,078
Total N. America.....	266,511	231,096	291,794	178,571	289,316	205,401
South America:						
Argentina.....	23,487	27	27,292	103	31,772	60
Bolivia.....	0	227	0	250	0	250
Brazil.....	173,000	0	199,000	0	200,000	0
Chile.....	1,894	272	2,080	979	2,541	1,191
Colombia.....	8,944	3,064	9,493	1,552	9,686	629
Ecuador.....	423	1,000	279	1,000	285	900
Guyana.....	0	340	0	340	0	340
Paraguay.....	8,194	1,450	6,321	115	1,874	231
Peru.....	113	865	100	850	100	802
Surinam.....	0	410	0	450	0	450
Uruguay.....	23	2,700	468	2,749	460	2,700
Venezuela.....	276	0	700	0	866	0
Total S. America.....	216,354	10,355	245,733	8,388	247,584	7,553
Europe:						
Belgium-Luxembourg.....	3,031	38,966	3,629	30,007	4,342	31,645
Denmark ³	2,003	17,945	1,844	16,781	1,408	15,727
France ⁴	9,979	35,399	12,788	33,131	11,532	30,163
Germany ⁵	30,613	165,886	32,433	166,903	28,558	163,443
Greece.....	112,464	4,200	101,486	7,750	92,203	11,800
Ireland ⁶	0	5,842	0	5,711	0	5,500
Italy.....	106,358	61,303	109,987	51,123	126,536	60,888
Netherlands.....	13,727	89,277	9,251	80,536	5,775	82,409
United Kingdom.....	8,384	109,258	4,460	95,972	6,703	114,082
Total EC.....	286,559	527,576	275,878	487,914	277,057	515,607
Austria.....	127	11,566	868	10,092	2,080	10,722
Finland.....	0	7,451	0	7,512	0	3,440
Malta-Gozo.....	192	1,457	160	1,200	0	1,000
Norway.....	0	5,100	0	5,600	0	4,068
Portugal.....	955	8,495	2,056	7,233	4,312	13,142
Spain.....	3,787	59,412	5,177	70,546	14,400	67,585
Sweden.....	17	9,036	0	11,519	0	4,860
Switzerland.....	6,619	21,665	6,927	24,252	6,811	24,987
Total Western Europe.....	11,697	124,182	15,188	137,954	27,603	129,804
Albania.....	4,000	0	14,000	0	10,000	0
Bulgaria.....	55,600	30,500	56,995	28,500	41,000	32,000
Czechoslovakia.....	500	18,000	500	17,000	500	21,000
Hungary.....	850	5,300	1,700	6,800	1,500	7,050
Poland.....	10,886	12,134	10,325	11,121	17,487	11,351
Romania.....	3,400	8,000	3,650	5,500	50	3,725
Yugoslavia.....	16,343	6,794	13,225	5,111	15,580	8,188
Total Eastern Europe.....	91,579	80,728	100,395	74,032	86,117	83,314
Total Europe.....	389,835	732,486	391,461	699,900	390,777	728,725
Soviet Union.....	1,370	53,828	1,300	48,703	1,300	50,000

See footnotes at end of table.

Table 137.—Tobacco, unmanufactured: International trade, 1987-89—Continued

Continent and country	1987 ¹		1988 ¹		1989 ¹	
	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						
Algeria.....	0	17,268	0	21,850	0	15,650
Angola.....	0	1,000	0	1,000	0	1,000
Benin.....	0	370	0	450	0	450
Cameroon.....	912	3,307	1,400	3,000	1,600	1,932
Congo.....	0	1,274	0	1,274	0	1,197
Egypt.....	0	58,313	0	55,530	0	30,122
Ghana.....	0	324	0	260	0	117
Ivory Coast.....	0	3,650	0	3,154	0	3,112
Liberia.....	0	150	0	300	0	300
Libya.....	0	2,200	0	1,500	0	1,500
Malawi.....	63,090	0	60,097	0	56,479	0
Morocco.....	0	17,810	0	10,915	0	9,715
Mozambique.....	0	1,000	0	1,000	0	100
Nigeria.....	31	1,253	75	1,887	23	3,162
Senegal.....	0	3,647	0	4,000	0	4,000
Sierra Leone.....	0	500	0	525	0	525
South Africa.....	4,371	17,983	3,197	20,846	8,604	11,568
Tanzania.....	7,399	0	8,500	0	8,500	0
Tunisia.....	1,054	5,500	1,000	5,688	695	6,040
Uganda.....	1,000	0	1,000	0	1,000	0
Zaire.....	0	1,500	0	2,000	0	1,500
Zambia.....	5,600	0	1,600	0	1,800	0
Zimbabwe.....	99,298	0	100,123	0	105,718	0
Total Africa.....	182,755	137,049	176,992	135,179	184,419	91,990
Asia:						
Bangladesh.....	302	649	505	995	500	1,000
Burma.....	0	30,000	0	40,000	0	40,000
China (Mainland).....	18,986	26,077	21,515	37,379	25,399	20,671
Taiwan.....	1,784	7,568	17,294	11,449	4,115	22,834
Cyprus.....	49	1,269	17	1,157	25	1,258
Hong Kong.....	309	15,561	1,447	22,534	2,086	21,584
India.....	53,108	4	38,246	12	56,370	100
Indonesia.....	18,694	10,762	18,240	10,845	17,722	13,631
Iraq.....	0	11,000	0	18,000	0	26,000
Israel.....	0	6,400	0	4,800	0	4,245
Japan ⁷	18,960	75,985	2,500	68,300	1,500	64,000
Jordan.....	7	2,358	22	2,021	98	1,487
Korea, Democratic People.....	3,750	0	3,000	0	3,000	0
Korea, Republic of.....	22,325	3,371	26,916	5,685	20,268	6,417
Kuwait.....	15	60	15	60	15	60
Lebanon.....	2,200	549	2,400	600	2,600	600
Malaysia.....	44	3,386	227	2,983	16	3,436
Pakistan.....	513	150	414	59	570	59
Philippines.....	15,185	10,293	15,136	19,638	11,043	12,343
Singapore.....	1,091	3,041	1,792	5,721	3,628	10,095
Sri Lanka.....	416	145	718	179	550	190
Syria.....	5	0	4	0	922	0
Thailand.....	26,953	3,374	30,945	5,724	27,247	7,515
Turkey.....	106,241	0	77,685	610	117,348	4,082
Yemen.....	0	7,577	0	6,000	0	6,000
Total Asia.....	290,937	219,579	259,038	264,751	295,022	267,659
Oceania:						
Australia.....	492	12,396	10	11,107	65	9,314
New Zealand.....	0	3,594	0	3,549	0	3,261
Total Oceania.....	492	15,990	10	14,656	65	12,675
World total.....	1,348,254	1,400,383	1,366,328	1,350,148	1,408,483	1,364,003

¹ Preliminary. ² Exports include re-exports of Foreign grown tobacco. General imports, including the category "Tobacco Manufactured or Not Manufactured, Not Specifically Provided For". ³ Imports are actual arrivals. ⁴ Actual arrivals. ⁵ Exports are actual shipments. ⁶ Purchases by manufacturers. ⁷ 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, 1988-90

Type and country of destination	1988	1989	1990 ¹	Type and country of destination	1988	1989	1990 ¹
	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	Metric tons
Total unmanufactured: ²				Singapore	575	918	1,376
Canada	263	291	526	Thailand	3,049	3,601	6,027
Panama	79	330	175	Australia	2,876	2,123	2,833
Jamaica and Dep	255	153	234	New Zealand	620	508	473
Dominican Republic	1,452	1,474	1,430	Other countries	10,146	11,343	6,100
Chile	0	357	94	Total	122,445	120,963	131,891
Ecuador	0	0	0				
Belgium and Luxemb- bourg	4,401	5,582	5,604	Burley:			
France	2,576	2,183	2,588	Chile	0	0	0
Germany	39,533	34,221	34,423	Belgium and Luxemb- bourg	996	1,289	1,797
Italy	14,676	7,771	8,734	France	420	341	680
Netherlands	18,578	19,619	20,550	Germany	11,393	8,882	9,339
Austria	774	549	891	Italy	3,281	2,536	3,874
Denmark	7,439	6,270	6,843	Netherlands	4,341	6,726	6,822
Finland	1,727	1,102	1,396	Austria	18	18	54
Ireland	911	607	726	Denmark	1,799	1,255	1,649
Norway	1,700	1,662	1,520	Finland	329	200	260
Portugal	97	454	402	Norway	17	62	67
Spain	6,019	3,090	8,249	Sweden	1,019	259	1,092
Sweden	5,456	3,748	4,297	Switzerland	1,683	1,650	2,458
Switzerland	7,042	4,732	6,042	Syria	0	0	0
United Kingdom	8,900	8,345	9,292	Hong Kong	2,673	2,423	3,768
Libya	0	0	0	Japan	10,004	11,523	7,638
Egypt	7,120	196	244	Philippines	2,080	1,365	1,219
Canary Islands	0	0	0	Thailand	3,072	3,527	4,081
Cameroon	76	2	0	Other countries	3,529	5,439	5,462
Ghana	6	32	38	Total	46,654	47,495	50,260
Nigeria	1,339	2,790	2,194				
Zaire	0	0	0	Dark-fired Kentucky and Tennessee:			
Israel	798	587	1,358	Belgium and Luxemb- bourg	182	267	126
Taiwan	10,106	19,300	8,126	France	671	282	344
Hong Kong	11,161	8,750	16,567	Germany	221	183	3
Korea, Republic of	1,982	1,870	2,042	Italy	290	217	349
Japan	31,942	47,805	48,313	Netherlands	4,082	3,702	3,472
Malaysia	2,674	3,092	3,348	Denmark	49	15	29
Philippines	3,522	2,162	2,533	Ireland	0	0	0
Singapore	875	1,667	2,581	Norway	26	0	23
Thailand	6,121	7,128	10,108	Canary Islands	0	0	0
Syria	0	0	0	Sweden	754	20	641
Australia	4,064	2,807	3,748	Switzerland	118	68	116
New Zealand	749	661	583	United Kingdom	0	0	155
Other countries	14,129	19,019	7,613	Egypt	269	196	12
Total	281,542	220,408	223,412	Tunisia	70	0	0
				Cameroon	12	0	0
Flue-cured:				Indonesia	52	52	483
Panama	54	60	130	Other countries	1,082	1,114	663
Jamaica and Dep	88	0	108	Total	7,888	6,116	6,416
Chile	0	75	0				
Ecuador	0	0	0	Blackfat:			
Belgium and Luxemb- bourg	2,322	3,069	3,213	Niger	0	0	0
France	671	393	269	Cameroon	0	0	0
Germany	21,746	17,647	21,678	Benin	28	106	24
Italy	8,487	3,813	4,127	Nigeria	722	966	1,104
Netherlands	8,590	6,687	9,757	Togo	0	0	0
Austria	737	421	783	Other countries	19	111	24
Denmark	3,735	2,975	3,186	Total	3,104	2,335	1,152
Finland	591	608	786				
Ireland	805	564	658	VA fire and sun-cured:			
Norway	1,317	1,114	1,004	Germany	56	138	45
Portugal	0	0	0	Italy	0	48	64
Spain	708	1,416	1,524	Austria	14	22	30
Sweden	1,878	1,317	1,596	Denmark	0	0	0
Switzerland	2,432	1,638	2,527	Norway	322	374	415
United Kingdom	6,643	5,859	7,585	Sweden	115	628	327
Libya	0	0	0	Switzerland	33	49	27
Egypt	5,154	0	0	United Kingdom	0	225	0
Syria	0	0	0	Netherlands	0	0	0
Taiwan	9,909	17,474	7,034	Other countries	296	44	259
Hong Kong	6,544	5,466	11,662	Total	836	1,528	1,167
Indonesia	735	392	417				
Japan	18,775	28,260	33,056				
Malaysia	1,655	2,255	2,442				
Pakistan	266	228	320				
Philippines	1,337	789	1,220				

See footnotes at end of table.

Table 138.—Tobacco, unmanufactured: United States exports (domestic), by country of destination, total and by types, 1988-90—Continued

Type and country of destination	1988	1989	1990 ¹	Type and country of destination	1988	1989	1990 ¹
	<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:				Trimmings, stems, and scrap:			
Belgium and Luxembourg.....	65	196	20	Canada.....	117	121	22
Germany.....	183	384	572	Italy.....	2,619	984	173
Netherlands.....	149	259	45	Jamaica and Dep.....	0	0	5
Norway.....	6	0	0	Dominican Republic.....	33	0	25
Egypt.....	0	0	0	Surinam.....	0	0	0
Israel.....	115	130	212	Belgium and Luxembourg.....	520	701	262
Switzerland.....	461	680	312	France.....	769	358	235
Other countries.....	420	81	139	Germany.....	5,658	3,794	2,530
Total.....	1,399	1,730	1,300	Netherlands.....	1,376	1,016	383
Other unmanufactured, NSPF:				Austria.....	0	0	0
Canada.....	37	81	127	Denmark.....	1,851	2,018	1,934
Jamaica and Dep.....	98	153	108	Finland.....	639	148	182
Dominican Republic.....	454	365	332	Ireland.....	105	34	68
Chile.....	0	281	53	Norway.....	12	91	10
Sweden.....	0	95	5	Sweden.....	1,690	1,429	636
Finland.....	0	107	146	Switzerland.....	2,293	623	591
United Kingdom.....	2	1,022	0	United Kingdom.....	1,531	1,064	1,194
Netherlands.....	29	1,279	69	Ghana.....	0	0	0
France.....	5	810	1,060	Spain.....	4,969	238	542
Germany.....	272	3,194	255	Hong Kong.....	1,638	751	763
Spain.....	288	406	5,361	Japan.....	3,062	8,009	7,433
Czechoslovakia.....	130	0	78	Malaysia.....	855	182	29
Israel.....	159	0	0	Egypt.....	1,425	0	0
United Arab Emirates.....	20	1,053	5	Singapore.....	207	256	266
Thailand.....	0	0	0	Australia.....	855	560	659
Japan.....	101	12	186	New Zealand.....	122	113	95
Australia.....	8	15	7	Other countries.....	3,772	7,450	2,864
Nigeria.....	41	111	100	Total.....	36,118	29,940	20,901
Other countries.....	661	1,854	1,863				
Total.....	2,305	10,838	9,755				

¹ Preliminary. ² Includes Re-Exports.

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: All cotton area and cottonseed production, farm disposition, marketing year average price per ton received by farmers, and value, United States, 1976-90

Year	Harvested area of all cotton	Cottonseed				
		Production	Total sales to oil mills	Other ¹	Marketing year average price	Value of production
	1,000 acres	1,000 tons	1,000 tons	1,000 tons	Dollars	1,000 dollars
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	7,347.5	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	8,468.4	3,800.9	2,990.5	810.4	80.00	308,965
1987	10,030.3	5,769.2	4,590.1	1,179.1	82.50	474,703
1988	11,948.2	6,061.8	4,828.6	1,233.2	118.00	718,255
1989	9,537.7	4,677.4	3,365.4	1,312.0	105.00	492,683
1990 ²	11,731.6	5,966.5	4,310.2	1,656.3	121.00	721,846

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

Table 140.—Cottonseed: Production, farm disposition, and marketing year average price per ton received by farmers, by States, 1988-89

State	Production			Total sales to oil mills			Other ²			Price per ton for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	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	136.0	140.0	139.0	94.0	52.0	76.0	42.0	88.0	63.0	105.00	96.00	96.50
AZ	433.0	423.0	378.0	259.0	246.0	193.0	174.0	177.0	185.0	129.00	111.00	136.00
AR	404.0	335.0	431.0	353.0	282.0	411.0	51.0	53.0	20.0	102.00	97.50	106.00
CA	1,116.3	1,040.0	1,079.0	706.8	502.0	333.0	409.5	538.0	746.0	147.00	93.50	148.00
FL	12.0	10.4	17.0	11.8	9.9	16.0	2	5	1.0	105.00	90.00	100.00
GA	129.0	123.0	144.0	71.0	40.0	33.0	58.0	83.0	111.0	131.00	105.00	127.00
KS	3	1	3	2	1	3	1	0	0	108.00	124.00	107.00
LA	363.0	319.0	446.0	333.0	244.0	341.0	30.0	75.0	105.0	113.00	110.00	116.00
MS	712.0	601.0	732.0	676.0	580.0	716.0	36.0	21.0	16.0	104.00	99.00	110.00
MO	124.0	104.0	124.0	117.0	98.0	114.0	7.0	6.0	10.0	110.00	95.00	107.00
NM	49.0	39.0	48.0	16.0	22.0	13.0	33.0	17.0	35.0	125.00	128.00	143.00
NC	48.0	49.0	91.0	32.0	22.0	38.0	16.0	27.0	53.0	122.00	100.00	112.00
OK	117.0	74.0	160.0	88.0	68.0	138.0	29.0	6.0	12.0	108.00	124.00	107.00
SC	49.0	54.0	50.0	37.0	33.0	24.0	12.0	21.0	26.0	126.00	101.00	121.00
TN	237.0	176.0	192.0	232.0	163.0	190.0	5.0	13.0	2.0	111.00	102.00	111.00
TX	2,131.0	1,189.0	1,943.0	1,801.0	1,003.0	1,673.0	330.0	186.0	270.0	112.00	119.00	116.00
VA	1.2	.9	2.2	.8	.4	.9	.4	.5	1.3	122.00	100.00	112.00
US	6,061.8	4,677.4	5,966.5	4,828.6	3,365.4	4,310.2	1,233.2	1,312.0	1,656.3	118.00	105.00	121.00

¹ Preliminary. ² 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, 1976-89

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 ¹	Quantity	Price ²			Quantity	Price ¹	Quantity	Price ²
	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
1976.....	3,499	1,198	24.8	1,643	173.65	1983.....	2,583	777	32.8	1,134	190.20
1977.....	4,313	1,453	25.4	2,083	139.70	1984.....	3,514	1,174	29.2	1,732	99.40
1978.....	4,127	1,282	31.6	1,885	164.80	1985.....	3,417	1,070	17.6	1,526	134.30
1979.....	4,230	1,423	25.3	2,049	164.13	1986.....	2,520	781	17.7	1,112	148.55
1980.....	4,076	1,191	25.9	1,790	197.06	1987.....	3,396	1,204	22.0	1,647	178.50
1981.....	4,575	1,551	20.1	2,190	156.15	1988.....	3,730	1,243	20.0	1,689	185.00
1982.....	3,800	1,134	21.8	1,588	176.65	1989.....	2,974	1,039	23.3	1,327	163.30

¹ Tanks, f.o.b. Valley Points. ² 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, 1977-90 ¹

Year beginning August	Cottonseed quality analysis ²					Quantity ³	Quality ⁴	Average grade ⁵	Samples graded ⁶
	Oil	Ammonia	Moisture	Free fatty acids	Foreign matter				
	Percent	Percent	Percent	Percent	Percent				
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	50,636
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
1987.....	18.3	4.06	9.4	.6	1.6	101.09	98.9	100.2	33,210
1988.....	17.9	4.02	10.2	.9	1.3	99.96	98.6	98.9	36,235
1989.....	18.0	3.96	9.9	.7	1.5	100.51	98.9	99.6	24,301
1990.....	17.4	4.09	10.1	.8	1.3	99.00	98.9	97.9	30,350

¹ U.S. averages not fully representative of entire crop because of relatively small volume of seed graded in some areas. ² 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.

³ The quantity index measures the oil and cake or meal in the cottonseed, taking into account variations in the quantity of oil, and ammonia. ⁴ 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. ⁵ The average grade is the product of the quantity index times the quality index. The base grade is 100.0. ⁶ 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 1987/88–1989/90 (Marketing year October–September)

Continent and country of destination	Cottonseed oil ¹			Cottonseed cake and meal		
	1987/88	1988/89	1989/90 ²	1987/88	1988/89	1989/90 ²
	<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 and Central America; incl. Caribbean:						
Canada.....	4,568	5,567	7,292	1,080	399	480
Costa Rica.....	0	0	0	2,517	0	0
Dominican Republic.....	6,271	6	11,061	78	0	0
El Salvador.....	30,995	22,635	28,921	0	0	0
Guatemala.....	1,212	5,501	500	0	0	0
Mexico.....	7,282	2,844	3,199	33,659	13,178	4,986
Netherlands Antilles.....	0	107	0	0	0	0
Panama.....	0	56	0	0	0	0
Other countries.....	663	1,370	275	0	0	0
Total ³	50,991	38,086	51,248	37,334	13,577	5,466
South America:						
Colombia.....	0	0	0	0	0	78
Ecuador.....	5	1	0	0	0	0
Peru.....	21	6	6	0	0	0
Venezuela.....	51,831	54,985	20,581	0	0	0
Other countries.....	0	0	0	0	66	56
Total ³	51,357	54,992	20,587	0	66	134
Europe:						
Austria.....	0	0	0	0	0	0
Belgium and Luxembourg.....	6	0	0	0	0	50
Denmark.....	1	11	0	0	109	168
France.....	0	0	0	0	0	50
Germany, Fed. Rep. of.....	81	52	37	0	60	394
Ireland.....	0	20	0	0	18	255
Netherlands.....	1,578	4,249	3,200	3,299	283	785
Switzerland.....	9	3	0	0	0	0
United Kingdom.....	19	12	0	0	10	85
Other countries.....	1,248	1,500	0	0	1,672	2,216
Total ³	2,942	5,847	3,237	3,299	2,152	4,003
Africa:						
Egypt.....	31,480	32,873	6,548	0	0	0
Other countries.....	15,001	2,500	31	0	3,455	3,032
Total ³	46,481	35,373	6,579	0	3,455	3,032
Asia:						
Hong Kong.....	58	74	143	0	0	0
Israel.....	0	0	0	0	0	0
Japan.....	21,579	29,417	46,423	0	669	1,003
Korea, Rep. of.....	11,506	20,381	31,522	0	427	126
Pakistan.....	0	0	0	0	0	0
Philippines.....	0	3	0	0	18	0
Saudi Arabia.....	0	0	0	0	0	0
Other countries.....	396	20	16	0	60	708
Total ³	33,539	49,895	78,104	0	1,174	1,837
Oceania.....	26	221	696	0	29	424
Grand total ³	185,336	184,413	160,452	40,635	20,453	14,897

¹ Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by the Bureau of the Census. ² Preliminary. ³ 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, 1988/89–1990/91 ¹

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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 and Caribbean:									
Mexico.....	255	188	186	2.42	1.78	1.83	617	335	340
United States.....	4,885	3,860	4,748	1.14	1.10	1.14	5,499	4,243	5,413
Total ⁴	5,110	4,068	4,954	1.20	1.13	1.16	6,125	4,587	5,762
South America:									
Argentina.....	501	570	630	.63	.77	.78	318	440	490
Brazil.....	2,107	2,320	2,100	.57	.56	.62	1,195	1,290	1,300
Colombia.....	218	188	226	.97	.93	.89	212	175	202
Paraguay.....	438	509	550	.82	.75	.67	360	380	370
Peru.....	170	135	114	.80	.87	.75	136	118	85
Total ⁴	3,524	3,816	3,701	.65	.65	.68	2,294	2,477	2,513
Europe:									
Greece.....	252	288	286	1.59	1.43	1.19	400	413	340
Spain.....	135	68	83	1.33	1.44	1.41	180	98	117
Total ⁴	429	397	411	1.41	1.35	1.17	604	535	482
Soviet Union.....	3,432	3,333	3,150	1.65	1.53	1.56	5,648	5,106	4,924
Africa:									
Cameroon.....	112	90	95	1.26	1.11	1.16	141	100	110
Egypt.....	425	422	417	1.15	1.27	1.37	488	535	570
Mali.....	160	170	190	1.17	1.08	1.05	187	184	200
South Africa, Republic of.....	208	165	124	.75	.73	.77	155	120	96
Sudan.....	313	279	179	.95	.97	1.07	297	272	191
Tanzania, United Republic of.....	430	260	320	.29	.35	.38	125	90	120
Zimbabwe.....	248	229	273	.65	.51	.60	162	117	164
Total ⁴	3,736	3,416	3,513	.66	.65	.69	2,480	2,214	2,417
Asia:									
China (Mainland).....	5,534	5,203	5,530	1.27	1.24	1.39	7,053	6,440	7,660
India.....	7,343	7,331	7,600	.88	.73	.73	3,712	4,400	4,000
Iran.....	192	222	222	.88	.73	.73	168	161	161
Israel.....	48	30	31	2.17	2.53	2.68	104	76	83
Pakistan.....	2,508	2,599	2,693	1.14	1.12	1.21	2,851	2,910	3,264
Syria.....	171	153	156	1.75	1.79	1.67	300	283	261
Turkey.....	707	725	667	1.41	1.24	1.39	1,000	900	930
Total ⁴	16,958	16,713	17,340	.91	.92	.96	15,470	15,392	16,644
Australia.....	194	230	270	2.31	1.99	2.24	449	458	604
World total ⁴	33,475	32,062	33,435	.99	.96	1.00	33,194	30,892	33,481

¹ 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. ² Harvested area as far as possible. ³ Preliminary. ⁴ 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, 1976-90

Year	Area planted	Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Market- ing year average price per bushel received by farmers	Value of production
	<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>Dollars</i>	<i>1,000 dollars</i>
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	6.01	71,627
1980	759	663	11.7	7,728	(2)	(2)	7.21	55,615
1981	605	577	12.6	7,289	(2)	(2)	6.67	49,008
1982	780	735	14.0	10,278	(2)	(2)	5.17	53,341
1983	605	580	11.9	6,903	(2)	(2)	6.84	46,925
1984	555	538	13.1	7,022	(2)	(2)	6.09	42,739
1985	620	584	14.2	8,293	(2)	(2)	5.05	41,912
1986	720	683	16.9	11,538	(2)	(2)	3.47	39,962
1987	470	463	16.1	7,444	(2)	(2)	3.39	25,188
1988	275	226	7.1	1,615	(2)	(2)	7.56	12,200
1989	195	163	7.5	1,215	(2)	(2)	7.20	8,724
1990 ¹	260	253	15.1	3,812	(2)	(2)	5.40	20,855

¹ Preliminary. ² Series discontinued.
National Agricultural Statistics Service.

Table 146.—Flaxseed: Supply and disappearance, United States, 1976-89

Year beginning June	Supply				Disappearance			
	Stocks June 1	Produc- tion	Imports	Total	Total used for seed	Exports	Crush- ings ¹	Total domestic disappear- ance ²
	<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>
1976	4,890	7,580	2,168	14,638	1,043	196	10,877	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	11,574
1982	1,950	10,278	1,921	14,149	486	638	8,722	10,937
1983	3,212	6,903	4,756	14,871	438	52	12,733	13,155
1984	1,716	7,022	3,796	12,534	511	238	9,335	10,885
1985	1,649	8,293	2,927	12,869	517	250	10,313	11,240
1986	1,629	11,538	2,224	15,391	362	1,448	10,000	12,090
1987	3,301	7,444	2,925	13,671	223	156	10,800	11,346
1988	2,325	1,615	6,730	10,670	158	764	8,500	9,363
1989 ³	1,307	1,215	7,260	9,782	211	1,054	8,250	9,588

¹ From domestic and imported seed. ² Total supply minus exports and stocks June 1 of following year.

³ Preliminary.

Economic Research Service.

Table 147.—Flaxseed: Area, yield, and production, by States, 1988-90

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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 bush- els</i>	<i>1,000 bush- els</i>	<i>1,000 bush- els</i>
MN	15	10	15	11	9	14	10.0	10.5	17.0	110	95	238
ND	220	170	220	185	140	215	7.0	7.0	14.5	1,295	980	3,118
SD	40	15	25	30	14	24	7.0	10.0	19.0	210	140	456
US	275	195	260	226	163	253	7.1	7.5	15.1	1,615	1,215	3,812

¹ Preliminary.

National Agricultural Statistics Service.

Table 148.—Flaxseed: ¹ Area, yield, and production in specified countries and the world, 1988/89–1990/91

Continent and country	Harvested area			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ²	1988/89	1989/90	1990/91 ²	1988/89	1989/90	1990/91 ²
	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.....	501	598	725	.74	.83	1.29	373	498	935
Mexico.....	3	3	3	1.00	1.00	1.00	3	3	3
United States.....	91	66	102	.45	.47	.95	41	31	97
Total.....	595	667	830	.70	.80	1.25	417	532	1,035
South America:									
Argentina.....	535	575	575	.86	.90	.83	460	516	480
Uruguay.....	4	4	4	.75	.75	.75	3	3	3
Total.....	539	579	579	.86	.90	.83	463	519	483
Europe:									
Belgium-Luxembourg.....	11	12	12	.73	.58	.67	8	7	8
France ³	52	56	55	.60	.54	.64	31	30	35
Italy.....	1	1	1	1.00	1.00	1.00	1	1	1
Netherlands.....	5	6	7	1.00	1.17	1.14	5	7	8
United Kingdom.....	14	18	37	1.86	1.67	1.84	26	30	68
Total EC.....	83	93	112	.86	.81	1.07	71	75	120
Czechoslovakia.....	30	30	30	.50	.50	.50	15	15	15
Hungary.....	6	6	6	1.17	1.17	1.17	7	7	7
Poland.....	30	30	27	.50	.37	.37	15	11	10
Romania.....	70	79	50	.43	.62	.56	30	49	28
Total Eastern Europe.....	136	145	113	.49	.57	.53	67	82	60
Total Europe.....	219	238	225	.63	.66	.80	138	157	180
Soviet Union ⁴	1,039	965	850	.21	.24	.19	220	227	160
Africa:									
Egypt.....	15	17	13	1.27	1.35	1.38	19	23	18
Asia:									
Bangladesh.....	66	71	70	.55	.54	.57	36	38	40
India.....	1,199	1,180	1,200	.30	.29	.33	361	342	400
Iran.....	3	3	3	1.00	1.00	1.00	3	3	3
Pakistan ⁵	10	10	10	.60	.60	.60	6	6	6
Turkey.....	8	8	8	.50	.50	.50	4	4	4
Total.....	1,286	1,272	1,291	.32	.31	.35	410	393	453
Oceania:									
Australia ⁵	3	2	5	2.33	1.00	1.20	7	2	6
World total.....	3,696	3,740	3,793	.45	.50	.62	1,674	1,853	2,335

¹ 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. ² Preliminary. ³ 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. ⁴ Includes fiber flax area and seed production. ⁵ 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: Marketing year average price and value of production, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per bushel			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	7.43	6.74	5.85	817	640	1,392
ND.....	7.54	7.25	5.35	9,764	7,105	16,681
SD.....	7.71	6.99	6.10	1,619	979	2,782
US.....	7.56	7.20	5.40	12,200	8,724	20,855

¹ Preliminary.

National Agricultural Statistics Service.

Table 150.—Flaxseed: Price-support operations, United States, 1976-90

Year beginning July	Support price		Put under support ²		Acquired by CCC under support program ³	Owned by CCC June 30
	Per bushel	Percentage of parity ¹	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>
1976.....	(*)					
1977.....	(*)					
1978.....	4.50	48				
1979.....	4.50	43				
1980.....	4.50	39				
1981.....	(*)					
1982.....	(*)					
1983.....	(*)					
1984.....	(*)					
1985.....	(*)					
1986.....	(*)					
1987.....	(*)					
1988.....	(*)					
1989.....	(*)					
1990.....	(*)					

¹ Percentage of the parity price as of the beginning of the marketing year. ² Includes loans made, purchase agreements entered into, and direct purchases. ³ Acquisitions through loan cancellations and purchases (under agreement and direct) from the crop harvested in the year indicated and not acquisitions during that year. ⁴ Price support not authorized for 1976 to 1977 and from 1981 through 1990.

Agricultural Stabilization and Conservation Service.

Table 151.—Flaxseed and linseed oil and meal: Average price Minneapolis, 1976-89

Year ¹	Average price received by farmers	Minneapolis		Year ¹	Average price received by farmers	Minneapolis	
		Oil, per pound ²	Meal, per ton ³			Oil, per pound ²	Meal, per ton ³
	<i>Dollars</i>	<i>Cents</i>	<i>Dollars</i>		<i>Dollars</i>	<i>Cents</i>	<i>Dollars</i>
1976.....	6.51	28.2	162.24	1983.....	5.58	30.1	155.25
1977.....	5.78	25.1	137.91	1984.....	6.50	32.0	99.00
1978.....	4.46	24.2	143.20	1985.....	5.95	30.8	102.60
1979.....	6.34	30.1	155.80	1986.....	4.27	26.4	112.00
1980.....	6.46	30.0	162.80	1987.....	3.21	24.7	130.25
1981.....	7.10	30.5	156.00	1988.....	5.85	39.5	178.45
1982.....	6.02	25.2	143.40	1989.....	6.74	40.2	139.30

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

Economic Research Service.

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, 1976-89

Year beginning June	Total flaxseed crushed	Linseed oil				Linseed cake and meal		
		Stocks June 1	Production	Imports for consumption	Exports	Production	Imports for consumption	Exports
	1,000 bushels	Million pounds	Million pounds	Million pounds	Million pounds	1,000 tons	1,000 tons	1,000 tons
1976	10,677	49	217	(¹)	14	202	(²)	89
1977	11,615	88	232	(¹)	25	218		111
1978	13,009	70	259	(¹)	54	244		135
1979	12,425	44	256	(¹)	38	233		161
1980	11,927	54	251	(¹)	51	225		129
1981	11,231	56	237	(¹)	54	220		152
1982	8,722	50	182	(¹)	21	170		79
1983	12,733	35	265	(¹)	51	249		125
1984	9,935	48	194	(¹)	15	179		60
1985	10,313	33	205	(¹)	15	184		75
1986	10,000	39	201	(¹)	6	185		63
1987	10,800	51	217	(¹)	8	198		59
1988	8,500	41	170	(¹)	12	156		63
1989 ⁴	8,250	48	165		12	153		23

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

Table 153.—Flaxseed, linseed oil, and linseed cake and meal: United States exports by country of destination, crop years 1987/88-1989/90¹

Continent and country of destination	Flaxseed			Linseed oil ³			Linseed cake and meal		
	1987/88	1988/89	1989/90	1987/88	1988/89	1989/90	1987/88	1988/89	1989/90
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
North America:									
Canada	390	138	9,007	2,786	2,385	1,946	259	1,109	947
Costa Rica	0	0	0	0	16	4	0	0	0
Honduras	0	0	0	0	0	1	0	0	0
Mexico	2,752	1,757	216	676	3,097	2,936	0	0	0
Panama	13	0	0	4	0	20	0	0	0
Other countries	0	0	0	29	36	159	39	0	0
Total ⁴	3,155	1,895	9,223	3,495	5,534	5,066	298	1,109	947
South America:									
Brazil	0	0	0	54	0	0	0	0	0
Peru	0	0	0	0	0	0	0	0	0
Venezuela	0	0	0	29	7	0	0	0	0
Other countries	0	0	0	0	0	15	0	0	0
Total ⁴	0	0	0	83	7	15	0	0	0
Europe:									
Belgium and Luxembourg	0	0	277	0	0	0	0	0	0
Denmark	0	13	56	0	0	0	0	0	0
France	0	13	1,905	0	0	20	0	0	0
Germany	549	1,247	3,357	0	0	0	5,693	2,678	1,398
Italy	0	25	86	0	0	0	0	0	0
Netherlands	261	15,827	10,487	0	0	0	47,884	53,235	18,949
Spain	0	0	0	0	0	1	0	0	0
Sweden	0	0	0	0	5	22	0	0	0
Switzerland	0	0	158	0	0	0	0	0	0
United Kingdom	0	0	0	23	14	2	0	0	0
Other countries	0	396	1,221	0	0	0	0	0	0
Total ⁴	810	17,521	17,547	23	19	45	53,577	55,913	20,347
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 1987/88–1989/90 ¹—Continued

Continent and country of destination	Flaxseed			Linseed oil ³			Linseed cake and meal		
	1987/88	1988/89	1989/90	1987/88	1988/89	1989/90	1987/88	1988/89	1989/90
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
Africa and Middle East.....	0	0	0	0	0	47	0	0	0
Asia:									
Japan.....	0	0	0	17	3	36	0	0	0
Korea, Rep. of.....	0	0	0	16	5	1	0	0	0
Philippines.....	0	0	0	0	17	0	0	0	0
Other countries.....	0	0	0	2	7	4	0	73	0
Total ⁴	0	0	0	35	32	41	0	73	0
Oceania:									
Australia.....	0	0	0	6	6	4	0	0	0
Other countries.....	0	0	0	0	7	10	0	0	0
Total ⁴	0	0	0	6	13	14	0	0	0
Grand total.....	3,965	19,416	26,770	3,643	5,606	5,228	53,875	57,095	21,294

¹ For flaxseed and linseed oil, year begins June 1; for linseed cake and meal, year begins Oct. 1. ² Preliminary. ³ Crude and refined combined as such. ⁴ Total may not add due to rounding.

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

Table 154.—Peanuts: Area, yield, production, disposition, marketing year average price per pound received by farmers, and value, United States, 1976–90

Crop of—	Area planted	Peanuts for nuts							
		Area harvested	Yield per acre	Production ¹	Used on farms where produced	Sold	Marketing year average	Value of production	
					Fed and household use				
	1,000 acres	1,000 acres	Pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars
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	(²)	(²)	25.1	578,635	
1981.....	1,514.0	1,488.7	2,675	3,981,850	(²)	(²)	26.9	1,069,526	
1982.....	1,311.4	1,277.4	2,693	3,440,255	(²)	(²)	25.1	862,686	
1983.....	1,411.0	1,373.5	2,399	3,295,530	(²)	(²)	24.7	814,579	
1984.....	1,558.6	1,528.0	2,883	4,405,945	(²)	(²)	27.9	1,230,720	
1985.....	1,490.4	1,467.4	2,810	4,122,787	(²)	(²)	24.4	1,008,412	
1986.....	1,564.7	1,535.2	2,408	3,697,085	(²)	(²)	29.2	1,074,487	
1987.....	1,567.4	1,547.4	2,337	3,616,010	(²)	(²)	28.0	1,021,870	
1988.....	1,657.4	1,628.4	2,445	3,980,917	(²)	(²)	27.9	1,115,202	
1989.....	1,665.2	1,644.7	2,426	3,989,995	(²)	(²)	27.8	1,116,452	
1990 ⁴	1,840.0	1,809.5	1,991	3,602,770	(²)	(²)	34.1	1,259,220	

¹ Net weight basis; estimates comprised of quota and non-quota peanuts. ² Beginning 1974, not estimated separately. ³ Series discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 155.—Peanuts, farmers' stock: Stocks, production, and quantity milled, United States, 1976-90

Year beginning August	Stocks Aug. 1 ¹	Production harvested for nuts ¹	Total supply	Milled ^{1 2}
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
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	3,697,085	3,745,466	3,621,444
1987.....	25,894	3,616,010	3,641,904	3,440,176
1988.....	4,622	3,980,917	3,985,539	3,621,062
1989.....	51,248	3,989,995	4,041,243	3,889,374
1990.....	29,541	3,602,770	3,632,311	.....

¹ Net weight basis. ² Includes peanuts milled for seed.

National Agricultural Statistics Service.

Table 156.—Peanuts: Crushings, and oil and meal stocks, production, and foreign trade, United States, 1976-90

Year beginning August	Peanuts crushed (shelled basis)	Peanut oil				Peanut cake and meal	
		Stocks Aug. 1 ¹	Production of crude	Imports	Exports ²	Stocks Aug. 1 ³	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>
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	6,418	17,939	214,526
1987.....	421,214	49,411	168,263	33,058	7,053	4,445	247,851
1988.....	612,200	23,769	250,498	1,870	11,312	12,095	348,662
1989.....	469,351	37,669	193,000	1,208	18,536	29,349	261,465
1990.....	(*)	24,166	(*)	(*)	(*)	14,702	(*)

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

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

Table 157.—Cleaned peanuts (roasting stock): Supply and disposition, United States, 1976-90

Year beginning August	Supply				Disposition		
	Stocks Aug. 1	Production	Imports	Total	Exports ¹	Domestic disappearance	
						Total	Per capita
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Pounds
1976	30,567	150,764	432	181,763	24,765	138,841	0.65
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	.62
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	328	255,288	75,687	139,404	.57
1987	39,902	194,002	880	234,784	76,345	111,522	.45
1988	46,029	240,619	650	287,298	105,746	132,289	.53
1989	49,262	237,618	55	286,935	126,682	115,422	.46
1990	44,824						

¹ 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, 1976-90

Year beginning August	Supply						Exports ¹	Crushed
	Stocks Aug. 1		Production		Imports	Total		
	Edible	Oil stock ²	Edible	Oil stock				
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	
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	2,008,011	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	2,015,144	301,379	1,949	3,023,394	407,557	421,214
1988	565,779	22,647	2,095,351	406,626	2,094	3,092,497	437,867	612,200
1989	513,679	44,397	2,319,780	374,859	1,477	3,254,192	577,807	469,351
1990	455,586	15,194						

¹ Prior to 1983 includes shipments to Puerto Rico. Includes all peanut export categories except peanuts not shelled or not roasted. ² 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, 1976–89

Type, and year beginning August	Shelled uses						Apparent disappearance (cleaned in shell) ²
	Peanut butter ¹	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	
Virginia:							
1976.....	46,167	4,566	98,992	49,876	2,222	201,823	
1977.....	49,517	3,994	88,773	44,260	2,164	188,708	
1978.....	48,824	4,655	91,426	48,424	2,531	195,860	
1979.....	47,462	7,353	83,755	27,899	2,493	168,962	
1980.....	26,142	2,487	50,095	18,903	1,137	98,764	
1981.....	33,862	2,600	84,608	15,701	1,371	138,142	
1982.....	74,427	2,358	114,593	21,130	2,678	215,186	
1983.....	41,915	2,176	101,980	15,402	1,795	163,268	
1984.....	44,612	2,123	96,181	31,276	2,048	176,237	
1985.....	52,855	1,939	113,577	32,900	5,286	206,557	
1986.....	55,555	5,850	171,679	27,591	20,090	280,765	
1987.....	35,492	7,349	120,084	40,251	13,811	216,987	
1988.....	68,738	6,698	112,101	37,145	16,448	241,130	
1989.....	90,622	n.a.	130,000	28,701	13,691	263,014	
Runner:							
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	169,715	261,630	18,694	1,053,159	
1987.....	623,457	37,722	220,511	249,673	21,485	1,152,848	
1988.....	720,099	21,098	237,008	259,680	18,367	1,256,252	
1989.....	773,985	n.a.	234,661	273,062	20,102	1,306,810	
Spanish:							
1976.....	115,870	2,460	52,227	63,961	3,726	238,244	
1977.....	81,870	1,182	41,137	64,858	2,793	191,830	
1978.....	70,112	884	41,926	61,753	2,625	177,300	
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	
1987.....	42,487	737	33,178	35,659	2,495	114,556	
1988.....	43,091	577	32,372	30,082	1,163	107,285	
1989.....	32,711	n.a.	28,150	23,395	2,889	87,145	
All types:							
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	284,874	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
1987.....	701,436	45,808	373,773	325,583	37,791	1,484,391	187,875
1988.....	831,928	28,373	381,481	326,907	35,978	1,604,667	237,386
1989.....	897,318	n.a.	392,811	330,158	36,682	1,656,969	242,056

¹ Excludes peanut butter made by manufacturers for own use in candy and/or peanut butter sandwiches. Beginning in 1989, includes peanut butter used in sandwiches. ² 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, 1988-90

State	Area planted			Peanuts for nuts								
	1988	1989	1990 ¹	Area harvested			Yield per harvested acre			Production ²		
				1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
AL.....	237.0	240.0	258.0	236.0	239.0	256.0	2,380	2,250	1,520	561,680	537,750	389,120
FL.....	98.0	95.0	100.0	90.0	87.0	92.0	2,540	2,470	2,400	228,600	214,890	220,800
GA.....	690.0	690.0	782.0	685.0	685.0	765.0	2,630	2,700	1,760	1,801,550	1,849,500	1,346,400
NM.....	13.4	18.2	20.0	13.4	18.2	20.0	2,280	2,400	2,600	30,552	43,680	52,000
NC.....	155.0	153.0	165.0	153.0	152.0	164.0	2,745	2,435	2,950	419,985	370,120	483,800
OK.....	99.0	99.0	110.0	97.0	98.0	108.0	2,320	2,150	2,250	225,040	210,700	243,000
SC.....	13.0	13.0	14.0	13.0	12.5	13.5	2,470	2,600	2,100	32,110	32,500	28,350
TX.....	260.0	265.0	290.0	250.0	262.0	285.0	1,670	1,850	1,885	417,500	484,700	537,225
VA.....	92.0	92.0	97.0	91.0	91.0	97.0	2,900	2,705	3,100	263,900	246,155	300,700
US.....	1,657.4	1,665.2	1,836.0	1,628.4	1,644.7	1,800.5	2,445	2,426	2,000	3,980,917	3,989,995	3,601,895

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

Table 161.—Peanuts for nuts: Marketing year average price, and value of production, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per pound			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	Cents	Cents	Cents	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	29.5	28.5	33.4	165,696	153,259	129,966
FL.....	26.9	26.0	30.7	61,493	55,871	67,786
GA.....	28.0	27.4	34.1	504,434	506,763	459,122
NM.....	29.1	28.0	37.0	8,891	12,230	19,240
NC.....	28.2	29.2	31.9	118,436	108,075	154,332
OK.....	27.4	28.8	39.8	61,661	60,682	96,714
SC.....	29.9	33.0	36.1	9,601	10,725	10,234
TX.....	26.8	27.7	41.5	111,890	134,262	222,948
VA.....	27.7	30.3	33.2	73,100	74,585	99,832
US.....	27.9	27.8	34.1	1,115,202	1,116,452	1,260,174

¹ Preliminary.
National Agricultural Statistics Service.

Table 162.—Peanuts, farmers' stock: Average price per pound to growers, 1975-88¹

Crop year ²	Virginia type (Va.-N.C.)	South-eastern Runner	South-western Spanish	New Mexico Valencias	Crop year ²	Virginia type (Va.-N.C.)	South-eastern Runner	South-western Spanish	New Mexico Valencias
	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents
1975.....	18.7	19.3	18.2	22.5	1982.....	29.2	29.2	26.9	28.8
1976.....	19.9	20.1	19.0	24.5	1983.....	25.1	27.9	26.7	28.8
1977.....	21.5	22.1	20.8	24.5	1984.....	28.8	29.6	27.3	29.1
1978.....	21.9	21.9	20.4	22.1	1985.....	29.9	29.6	27.6	29.0
1979.....	21.1	22.4	20.4	21.3	1986.....	31.1	31.7	29.9	29.9
1980.....	21.6	22.7	20.8	23.4	1987.....	27.5	29.1	27.0	29.9
1981.....	22.7	23.1	22.6	24.1	1988.....	29.5	30.2	26.6	32.1

¹ 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. ² 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, 1976-90

Year beginning August	Quota support price		Additional support level (per pound)	Put under support ^{2 3}		Owned by CCC July 31 ³
	Per pound	Percentage of parity ¹		Quantity	Percentage of production	
	Cents	Percent	Cents	Million pounds	Percent	Million pounds
1976.....	20.7	75	.....	854	22.8	0
1977 ⁴	21.525	75	.....	585	14.4	2
1978.....	21.0	(⁵)	12.5	515	12.9	.....
1979.....	21.0	(⁵)	15.0	709	17.9	.....
1980.....	22.75	(⁵)	12.5	337	14.6	.....
1981.....	22.75	(⁵)	12.5	835	20.9	2
1982.....	27.50	(⁵)	10.0	539	15.7	.....
1983.....	27.5	(⁵)	9.3	367	11.1	.....
1984.....	27.5	(⁵)	9.3	1,370	30.9	.....
1985.....	27.5	(⁵)	9.3	1,359	33.0	.....
1986.....	30.4	(⁵)	7.5	290	7.8	.....
1987.....	30.4	(⁵)	7.5	700	19.3	.....
1988.....	30.8	(⁵)	7.5	540	13.6	.....
1989.....	30.8	(⁵)	7.5	401	10.0	0
1990.....	31.6	(⁵)	7.5	576	16.0	0

¹ Percentage of the parity price as of the beginning of the marketing year. ² Includes loans made and direct purchases. ³ Includes shelled peanuts converted to farmers' stock basis. ⁴ 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. 1990 legislation basically extended 1985 legislation with minor changes through the 1995-96 crop. Quota peanuts are those peanuts grown within the farm poundage quota. Additional peanuts are those peanuts grown in excess of the quota. ⁵ 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, 1980-89 ¹

Classification	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Southeastern area:										
Georgia, Alabama, and Florida:										
Shelled:	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
Runner Jumbo.....	40	47½	47¾	58%	44¼	55%	78½	63%	60	57¼
Runner Medium.....	38¾	44¼	47%	56%	43	52%	74½	60½	56½	55%
Runner U.S. Splits.....	39	44%	47%	55%	41	49%	64%	52¼	55%	55
Virginia-North Carolina:										
Clean unshelled Virginias:										
Fancy.....	38	41½	43%	63¼	34%	38¼	58	60%	46½	45%
Shelled Virginias:										
Extra large.....	45%	49¼	49	71%	47½	55%	81	83%	63%	62%
Medium.....	41	47½	47%	60	44½	53½	79½	65	58%	60½
No. 2 with 70% splits.....	35%	37%	45%	49%	40¼	44%	55%	46	51%	56%
Southwestern area:										
Texas and Oklahoma:										
Shelled:										
Spanish No. 1.....	42	54%	52%	59%	55%	52%	76%	57¼	59%	56½
Spanish U.S. Splits.....	39	49½	48¼	55½	44	47%	65¼	51%	56½	55%
New Mexico:										
Handpicked unshelled Valencias ²	37	44½	43%	52%	39	39%	54%	n.a.	n.a.	n.a.

¹ 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. ² No U.S. grade standards apply to Valencia peanuts. n.a. not available.

Agricultural Marketing Service.

Table 165.—Peanuts: ¹ Area and production in specified countries and the world, 1988-89/1990-91

Continent and country	Area ²			Yield per hectare			Production		
	1988/ 89	1989/ 90	1990/ 91 ³	1988/ 89	1989/ 90	1990/ 91 ³	1988/ 89	1989/ 90	1990/ 91 ³
	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 and Caribbean:									
Mexico.....	85	85	85	1.21	1.18	1.18	103	100	100
United States.....	659	666	732	2.74	2.72	2.23	1,806	1,810	1,634
Total ⁴	762	758	827	2.53	2.53	2.11	1,980	1,918	1,744
South America:									
Argentina.....	150	180	200	1.62	1.87	2.38	243	336	475
Brazil.....	89	83	90	1.75	1.65	1.67	156	137	150
Total ⁴	318	340	368	1.48	1.65	1.92	470	562	707
Africa:									
Benin.....	85	85	80	.88	.88	.88	75	75	70
Burkina.....	250	230	220	.72	.70	.68	180	160	150
Burundi.....	70	72	70	1.21	1.19	1.21	85	86	85
Cameroon.....	320	320	320	.45	.44	.44	145	140	140
Central African Republic.....	135	130	130	1.11	1.08	1.08	150	140	140
Chad.....	120	115	115	.75	.70	.70	90	80	80
Gambia, The.....	95	98	80	1.32	1.33	.94	125	130	75
Ghana.....	100	90	90	.80	.78	.78	80	70	70
Guinea.....	130	130	130	.65	.65	.65	85	85	85
Ivory Coast.....	142	148	150	.96	.97	.97	137	144	146
Mali.....	115	100	110	1.00	.90	.91	115	90	100
Niger.....	130	110	110	.62	.55	.55	80	60	60
Nigeria.....	700	700	740	.50	.50	.50	350	350	370
Senegal.....	903	784	915	.76	1.04	.73	690	815	670
South Africa, Republic of.....	153	88	86	1.07	1.28	1.59	163	113	137
Sudan.....	575	550	540	.78	.73	.60	450	400	325
Uganda.....	140	145	140	.71	.76	.79	100	110	110
Zaire.....	530	530	530	.72	.72	.72	380	380	380
Zimbabwe.....	208	193	201	.44	.49	.47	91	95	94
Total ⁴	5,553	5,203	5,365	.71	.75	.69	3,957	3,886	3,680
Asia:									
Burma.....	530	523	556	.83	.88	.91	438	459	505
China (Mainland).....	2,914	2,956	2,959	1.95	1.81	2.15	5,693	5,365	6,368
India.....	8,529	8,707	8,100	1.06	.98	.90	9,000	8,088	7,300
Indonesia.....	608	612	625	1.39	1.43	1.42	843	875	890
Pakistan.....	68	80	72	1.15	1.03	1.14	78	82	82
Taiwan.....	40	32	41	1.85	1.81	1.90	74	58	73
Thailand.....	118	120	122	1.39	1.34	1.33	164	161	162
Turkey.....	30	28	25	2.83	2.14	2.00	85	60	50
Vietnam.....	290	300	300	1.00	.98	.98	290	295	295
Total ⁴	13,273	13,502	12,938	1.27	1.16	1.23	16,884	15,666	15,941
World total ⁴	19,930	19,823	19,522	1.17	1.11	1.13	23,279	22,059	22,116

¹ 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. ² Harvested area as far as possible. ³ Preliminary. ⁴ 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, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 166.—Soybeans: Area, yield, production, disposition, and value, United States, 1976-90

Year	Soybeans for beans								
	Area planted	Area harvested	Yield per acre	Production	Used on farms where produced		Sold	Market- ing year average price per bushel received by farm- ers ¹	Value of produc- tion ¹
					For seed	Fed to livestock			
	<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>
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	(2)	(2)	6.29	14,203,660	
1980	69,930	67,813	26.5	1,797,543	(2)	(2)	7.60	13,601,112	
1981	67,543	66,163	30.1	1,989,110	(2)	(2)	6.07	12,004,638	
1982	70,884	69,442	31.5	2,190,297	(2)	(2)	5.71	12,462,779	
1983	63,779	62,525	26.2	1,635,772	(2)	(2)	7.83	12,774,974	
1984	67,755	66,113	28.1	1,860,863	(2)	(2)	5.84	10,748,050	
1985	63,145	61,599	34.1	2,099,066	(2)	(2)	5.05	10,581,042	
1986	60,405	58,312	33.3	1,940,101	(2)	(2)	4.78	9,262,746	
1987	58,180	57,172	33.9	1,937,722	(2)	(2)	5.88	11,391,000	
1988	58,840	57,373	27.0	1,548,841	(2)	(2)	7.42	11,487,742	
1989	60,820	59,538	32.3	1,923,666	(2)	(2)	5.89	10,916,145	
1990 ³	57,795	56,502	34.0	1,921,787	(2)	(2)	5.85	11,214,561	

¹ Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ² Series discontinued. ³ Preliminary.

National Agricultural Statistics Service.

Table 167.—Soybeans: Stocks on and off farms, United States, 1976-91

Year	On farms				Off farms ¹			
	Jan. 1	Apr. 1	June 1	Sept. 1 ²	Jan. 1	Apr. 1	June 1	Sept. 1 ²
	<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>
1976	590,926	411,585	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	284,650	114,079
1980	890,091	600,648	396,040	128,596	877,896	580,322	378,144	229,880
1981	782,384	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	622,983	373,892	179,428	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 ²	Dec. 1	Mar. 1	June 1	Sept. 1 ²	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	328,497	889,981
1988	553,100	304,900	105,050	650,000	594,620	351,382	197,426	716,812
1989	415,000	229,200	87,320	793,400	475,246	235,311	94,709	816,583
1990	535,800	255,300	86,000	754,000	519,705	340,614	153,139	929,963
1991 ³	555,500	336,500			634,619	387,022		

¹ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ² Old crop only. ³ Preliminary. n.a. not available.

National Agricultural Statistics Service.

Table 168.—Soybeans: Supply and disappearance, United States, 1976-90

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>	
1976.....	86,159	158,781	244,940	1,288,608	1,533,548
1977.....	32,756	70,168	102,924	1,787,287	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	159,486	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.....	87,912	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.....	107,950	328,497	436,447	1,922,762	2,359,209
1988.....	105,050	197,426	302,476	1,548,841	1,854,909
1989.....	87,320	94,709	182,029	1,923,666	2,105,694
1990 ¹	86,000	153,139	239,139	.....	.....

Year beginning September	Disappearance			
	Crushed ²	Feed and residual ³	Exports	Total
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
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.....	1,178,769	104,336	756,914	2,040,019
1987.....	1,174,482	80,565	801,686	2,056,733
1988.....	1,057,668	84,600	530,612	1,672,880
1989 ¹	1,147,112	.....	626,351	.....

¹ Preliminary. ² Reported by the U.S. Department of Commerce. ³ Seed, feed, and residual are combined, beginning 1977. ⁴ Includes 3,592 thousand bushels imports.

Economic Research Service.

Table 169.—Soybeans: Area, yield, and production, by States, 1988-90

State	Area planted			Soybeans for beans								
	1988	1989	1990 ¹	Area harvested			Yield per harvested acre			Production		
				1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	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.....	590	600	470	570	570	440	25.0	21.0	17.0	14,250	11,970	7,480
AR.....	3,250	3,300	3,400	3,200	3,200	3,350	26.0	23.5	27.0	83,200	75,200	90,450
DE.....	280	255	200	225	250	199	27.0	29.0	34.0	6,075	7,250	6,766
FL.....	120	130	80	115	120	75	29.0	22.0	19.0	3,335	2,640	1,425
GA.....	990	1,150	900	900	1,100	700	25.0	26.0	14.0	22,500	28,600	9,900
IL.....	8,800	8,900	9,200	8,700	8,550	9,100	27.0	40.0	39.0	234,900	354,000	354,900
IN.....	4,300	4,600	4,200	4,200	4,550	4,180	27.5	36.5	41.0	115,500	166,075	171,380
IA.....	8,150	8,300	8,000	8,100	8,280	7,900	31.0	39.0	41.0	251,100	322,920	323,900
KS.....	2,050	1,900	2,000	2,000	1,850	1,950	23.0	27.0	24.0	46,000	49,950	46,800
KY.....	980	1,200	1,250	910	1,170	1,220	26.5	31.5	32.0	24,115	36,855	39,040
LA.....	2,000	1,950	1,800	1,950	1,750	1,750	29.0	22.0	24.0	56,550	38,500	42,000
MD.....	465	570	505	455	550	495	31.0	30.0	36.0	14,105	16,500	17,820
MI.....	1,250	1,100	1,150	1,210	1,080	1,140	29.0	36.0	38.0	35,090	38,880	43,320
MN.....	4,900	5,050	4,700	4,800	5,000	4,600	26.0	37.0	39.0	124,800	185,000	179,400
MS.....	2,400	2,200	2,050	2,250	2,000	1,900	22.0	20.0	21.0	49,500	40,000	39,900
MO.....	4,300	4,400	4,200	4,230	4,350	4,150	26.5	28.0	30.0	112,095	121,800	124,500
NE.....	2,400	2,600	2,400	2,360	2,560	2,360	30.0	32.0	34.5	70,800	81,920	81,420
NJ.....	105	115	110	103	118	108	27.0	32.0	37.0	2,781	3,616	3,996
NC.....	1,370	1,600	1,400	1,310	1,550	1,350	27.0	27.0	24.0	35,370	41,850	32,400
ND.....	750	640	500	590	630	495	18.0	22.0	26.0	12,420	13,462	12,870
OH.....	3,900	4,000	3,500	3,700	3,980	3,410	27.0	31.5	39.0	99,900	125,970	135,720
OK.....	250	310	280	245	305	275	32.0	34.0	31.0	4,860	6,840	4,410
PA.....	800	980	800	790	960	750	23.5	21.0	18.5	18,565	20,160	13,775
SD.....	1,760	1,900	1,950	1,730	1,880	1,920	24.0	26.0	28.0	41,520	48,980	53,760
TN.....	1,300	1,300	1,300	1,230	1,240	1,250	26.0	24.0	27.0	31,980	29,760	33,750
TX.....	240	500	220	225	415	200	28.0	30.0	25.0	6,300	12,450	5,000
VA.....	530	550	540	515	540	525	28.0	32.0	32.0	14,420	17,280	16,800
WI.....	430	420	440	390	410	430	23.0	37.0	41.0	8,970	15,170	17,630
US.....	58,840	60,820	57,795	57,373	59,538	56,502	27.0	32.3	34.0	1,548,841	1,923,666	1,921,787

¹ Preliminary.

National Agricultural Statistics Service.

Table 170.—Soybeans: Crushings, and oil and meal stocks, production, and foreign trade, United States, 1976-90

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
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.....	275,280	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	1,108	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	6,036
1986.....	324,038	318,524	281,832	254,636	1,179,030	947	12,783	1,185	212	27,758	7,343
1987.....	324,478	314,198	289,844	246,178	1,174,698	1,725	12,974	1,873	240	28,060	6,854
1988.....	296,196	279,116	252,570	224,028	1,051,910	2,092	11,737	1,661	153	24,943	5,270
1989.....	304,217	301,797	280,536	278,498	1,165,048	1,715	13,004	1,353	173	26,719	5,024
1990 ²	314,756	297,929	280,071	.....	.....	1,305	.....	.....	318	.....	.....

¹ Exports only 1978 to date.

² Preliminary.

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

Table 171.—Soybeans for beans: Marketing year average price and value of production, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per bushel ¹			Value of production ¹		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	7.58	5.74	5.90	108,015	68,708	44,132
AR.....	7.55	5.88	6.05	628,160	442,176	547,223
DE.....	7.56	5.60	5.70	45,927	40,600	38,566
FL.....	7.50	5.45	5.70	25,013	14,388	8,123
GA.....	7.30	5.61	5.80	164,250	160,446	56,840
IL.....	7.45	5.76	6.00	1,750,005	2,039,040	2,129,400
IN.....	7.55	5.79	5.85	872,025	961,574	1,002,573
IA.....	7.33	5.62	5.75	1,840,563	1,814,810	1,862,425
KS.....	7.26	5.45	5.70	333,960	272,228	266,760
KY.....	7.66	5.91	5.95	184,721	217,813	232,288
LA.....	7.51	5.98	6.10	424,691	230,230	256,200
MD.....	7.57	5.60	5.70	106,775	92,400	101,574
MI.....	7.28	5.60	5.75	255,455	217,728	249,090
MN.....	7.30	5.58	5.70	911,040	1,032,300	1,022,580
MS.....	7.47	5.95	6.00	369,765	238,000	239,400
MO.....	7.45	5.60	5.80	835,108	682,080	722,100
NE.....	7.31	5.45	5.70	517,548	446,464	464,094
NJ.....	7.45	5.50	5.75	20,718	19,888	22,977
NC.....	7.46	5.68	5.70	263,860	237,708	184,680
ND.....	6.95	5.40	5.55	86,319	74,844	71,429
OH.....	7.54	5.73	5.85	753,246	718,370	798,962
OK.....	7.15	5.40	5.45	34,749	36,936	24,035
PA.....	7.45	5.65	5.60	58,408	58,591	63,140
SC.....	7.43	5.73	5.80	137,938	115,517	80,475
SD.....	7.21	5.35	5.65	299,359	261,508	303,744
TN.....	7.64	5.99	6.00	244,327	178,262	202,500
TX.....	7.05	5.07	5.60	44,415	63,122	28,000
VA.....	7.40	5.70	5.70	106,708	98,496	95,760
WI.....	7.21	5.40	5.70	64,674	81,918	100,491
US.....	7.42	5.69	5.85	11,487,742	10,916,145	11,214,561

¹ Preliminary.

National Agricultural Statistics Service.

Table 172.—Soybeans: Price-support operations, United States, 1976-90

Year beginning September	Support price		Put under support ²		Acquired by CCC under support program ³	Owned by CCC Aug. 31
	Per bushel	Percentage of parity ¹	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>
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	278,264	15.0	151,727	4,400
1985.....	5.02	40	517,798	24.7	301,471	131,300
1986.....	4.77	39	327,575	16.9	4,105	249,200
1987.....	4.77	39	274,717	14.2	62	6,900
1988.....	4.77	40	120,070	7.8	38	300
1989.....	4.53	37	208,879	10.9	12	.....
1990.....	4.50	36	* 241,436	12.6	.....	.....

¹ Percentage of the parity price as of the beginning of the marketing year. ² Includes loans made, purchase agreements entered into, and direct purchases. ³ Acquisitions through loans and purchases (under agreement and direct) from the crop harvested in the year indicated and not acquisitions during that year. ⁴ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 173.—Soybeans, soybean meal, and oil: Average price at specified markets, 1976-89

Year ¹	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 ¹	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
1976.....	7.36	23.87	199.80	1984.....	5.88	29.51	125.40
1977.....	6.11	24.51	164.20	1985.....	5.20	18.00	154.90
1978.....	7.09	27.15	190.06	1986.....	5.03	15.40	162.70
1979.....	6.46	24.32	181.91	1987.....	6.67	22.67	221.90
1980.....	7.59	22.78	218.18	1988.....	7.41	21.10	228.00
1981.....	6.24	18.95	182.52	1989.....	5.86	22.30	178.75
1982.....	6.11	20.62	187.19				
1983.....	7.78	30.55	188.20				

¹ 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, 1988-89/1990-91 ¹

Continent and country	Area ²			Yield per hectare			Production		
	1988-89	1989-90	1990-91 ³	1988-89	1989-90	1990-91 ³	1988-89	1989-90	1990-91 ³
	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 and Central America:									
Canada.....	533	540	490	2.16	2.26	2.71	1,153	1,219	1,327
Guatemala.....	13	13	15	2.15	2.46	2.47	28	32	37
Mexico.....	189	468	276	2.16	2.10	2.08	300	984	574
United States.....	23,218	24,094	22,866	1.82	2.17	2.29	42,153	52,354	52,302
Total.....	23,903	25,115	23,647	1.83	2.17	2.29	43,634	54,589	54,240
South America:									
Argentina.....	4,000	4,950	4,750	1.63	2.17	2.32	6,500	10,750	11,000
Bolivia.....	144	173	195	2.04	1.33	2.00	294	230	390
Brazil.....	12,170	11,400	9,650	1.91	1.78	1.61	23,200	20,340	15,500
Colombia.....	93	112	120	1.90	1.89	1.93	177	212	232
Ecuador.....	62	60	58	1.65	1.67	1.55	102	100	90
Paraguay.....	850	980	890	1.90	1.61	1.46	1,615	1,575	1,300
Peru.....	3	1	1	1.67	2.00	2.00	5	2	2
Uruguay.....	50	44	34	1.10	1.18	1.18	55	52	40
Venezuela.....	4	5	5	1.50	1.80	1.80	6	9	9
Total.....	17,376	17,725	15,703	1.84	1.88	1.82	31,954	33,270	28,563
Europe:									
France.....	92	135	116	2.48	2.22	2.11	228	300	245
Germany.....	0	2	2	.00	2.50	2.50	0	5	5
Greece.....	3	8	7	2.00	3.25	3.14	6	26	22
Italy.....	432	477	550	3.26	3.40	3.36	1,408	1,624	1,850
Spain.....	7	11	17	2.00	2.00	2.00	13	27	42
Total EC.....	534	693	692	3.10	3.13	3.13	1,655	1,982	2,164
Austria.....	6	9	9	2.00	1.11	1.11	12	10	10
Switzerland.....	1	1	1	2.00	2.00	3.00	2	2	3
Total Western Europe.....	541	643	702	3.09	3.10	3.10	1,669	1,994	2,177
Bulgaria.....	40	40	40	1.00	1.00	1.00	40	40	40
Czechoslovakia.....	2	2	7	2.50	3.00	1.14	5	6	8
Hungary.....	66	54	33	1.58	2.15	1.38	104	116	44
Romania.....	340	512	190	1.00	.59	.74	340	304	141
Yugoslavia.....	110	88	91	1.64	2.38	1.67	180	209	152
Total Eastern Europe.....	558	696	361	1.20	.97	1.07	669	675	385
Soviet Union (Europe and Asia).....	760	830	835	1.16	1.15	1.05	880	956	880

See footnotes at end of table.

Table 174.—Soybeans: Area, yield, and production in specified countries and the world, 1988-89/1990-91¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1988-89	1989-90	1990-91 ³	1988-89	1989-90	1990-91 ³	1988-89	1989-90	1990-91 ³
	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:									
Burma.....	36	35	35	.78	.80	.57	28	28	20
China (Mainland).....	8,120	8,057	7,600	1.43	1.27	1.50	11,645	10,227	11,400
India.....	1,734	2,134	2,300	.89	.80	1.04	1,547	1,715	2,400
Indonesia.....	1,177	1,205	1,235	1.09	1.09	1.09	1,285	1,315	1,350
Iran.....	50	50	50	1.80	1.80	1.80	90	90	90
Japan.....	162	152	146	1.71	1.79	1.51	277	272	220
Korea, Democratic People's Rep.....	340	340	340	1.29	1.29	1.29	440	440	440
Korea, Republic of.....	145	157	152	1.65	1.61	1.53	239	252	233
Pakistan.....	2	1	2	.50	1.00	.50	1	1	1
Philippines.....	10	12	15	.80	.83	.80	8	10	12
Sri Lanka.....	8	6	6	1.25	1.33	1.50	10	8	9
Syria.....	10	10	10	1.60	2.00	1.50	16	20	15
Taiwan.....	6	4	4	1.83	2.00	2.00	11	8	8
Thailand.....	392	502	375	1.32	1.34	1.28	517	672	480
Turkey.....	60	100	65	1.17	1.20	1.69	70	120	110
Vietnam.....	150	150	140	.80	.80	.75	120	120	105
Total	12,402	12,915	12,475	1.31	1.18	1.35	16,304	15,298	16,893
Oceania:									
Australia.....	71	56	38	1.59	1.61	1.92	113	90	73
World total	55,865	58,254	54,059	1.71	1.84	1.92	95,635	107,272	103,619

¹ 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. ² Harvested area as far as possible. ³ Preliminary. ⁴ Area harvested for beans. ⁵ 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, 1987/88-1989/90¹

Continent and country of destination	Soybeans			Soybean oil ³			Soybean oilseed cake and meal		
	1987/88	1988/89	1989/90 ²	1987/88	1988/89	1989/90 ²	1987/88	1988/89	1989/90 ²
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
North America:									
Barbados.....	0	0	1,500	600	226	580	13,306	8,664	5,840
Canada.....	153,890	112,877	276,352	7,344	5,364	5,443	693,201	604,922	564,167
Haiti.....	29	0	0	3,411	2,846	1,638	2,041	5,275	1,963
Jamaica.....	38,029	66,860	57,433	126	1,590	2,527	28,554	5,149	17,358
Mexico.....	892,366	1,271,426	856,105	11,537	17,730	4,435	183,994	303,054	328,625
Netherlands Antilles.....	9	0	0	1,316	1,599	1,112	133	249	0
Panama.....	1,313	4,120	5,146	3,736	6,695	3,174	20,593	21,159	19,697
Total⁴	1,261,226	1,647,594	1,408,843	68,698	60,452	57,992	1,165,148	1,147,874	1,151,994
South America:									
Bolivia.....	0	0	0	2,123	998	1,037	0	0	0
Chile.....	0	0	0	2	0	7	0	0	0
Colombia.....	216,060	44,238	49,196	281	169	81	10,456	0	0
Ecuador.....	0	77	0	19,050	30,930	26,314	0	0	0
Peru.....	21,011	0	0	1,144	2,778	5,206	76,761	0	30,893
Surinam.....	0	0	0	0	4	0	0	0	0
Venezuela.....	179,625	128,598	31,596	4,866	29,055	8,198	680,394	529,185	319,674
Total⁴	903,479	235,912	80,810	28,624	64,081	40,957	768,076	529,464	351,518

See footnotes at end of table.

Table 175.—Soybeans, soybean oil, and soybean oilseed cake and meal: United States exports by country of destination, 1987/88–1989/90 ¹—Continued

Continent and country of destination	Soybeans			Soybean oil ³			Soybean oilseed cake and meal		
	1987/88	1988/89	1989/90 ²	1987/88	1988/89	1989/90 ²	1987/88	1988/89	1989/90 ²
	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>	<i>Metric</i>
Europe:									
Belgium and Luxembourg.....	824,718	473,672	666,315	0	0	0	0	0	0
Czechoslovakia.....	0	0	0	0	0	0	0	0	0
Denmark.....	59,364	32,241	63,394	0	0	0	0	0	0
France.....	375,023	169,174	184,974	22	62	0	33,331	0	0
Germany, Fed. Rep. of.....	1,415,943	600,890	817,760	734	49	0	177,288	0	0
Greece.....	257,143	142,793	295,664	0	0	0	10,499	41,720	6,150
Iceland.....	0	0	0	34	8	21	0	0	0
Ireland.....	0	0	0	0	0	2	32,392	5,696	1,882
Italy.....	100,309	119,690	251,557	18	105	0	554,693	243,452	97,867
Netherlands.....	4,267,336	2,531,449	2,720,697	3	1,030	0	559,896	216,016	16,134
Norway.....	206,445	125,523	174,849	41	0	3	0	0	0
Poland.....	0	0	0	0	0	0	26,907	0	48,500
Spain.....	1,592,854	1,151,894	1,564,770	0	0	48	71,164	47,672	6,895
Sweden.....	10	0	111	0	0	0	0	0	0
Switzerland.....	6,684	170	18,680	0	0	0	0	0	0
United Kingdom.....	579,697	260,597	409,175	344	176	0	41,624	32,055	12,652
Yugoslavia.....	157,081	110,288	125,379	0	0	0	88,604	59,257	41,009
Total ⁴.....	10,757,289	6,072,790	8,015,388	1,196	1,430	74	1,694,412	701,504	283,303
Soviet Union.....	831,083	239,695	342,292	0	0	0	1,302,721	1,312,444	1,405,127
Africa:									
Morocco.....	12,223	8,800	13,039	35,821	80,023	77,985	0	0	0
South Africa.....	0	0	0	171	200	6,108	5	0	0
Egypt.....	76,521	66,178	28,408	679	0	0	181,955	148,420	203,779
Total ⁴.....	88,744	74,978	41,447	160,601	139,237	166,887	554,276	546,010	624,773
Asia:									
Taiwan.....	1,857,363	1,438,597	2,015,605	48	43	31	17	74,348	6,919
India.....	0	25,000	996	151,600	28,127	16,391	0	0	0
Israel.....	454,332	312,996	387,388	416	454	442	0	0	0
Japan.....	3,914,119	3,251,300	3,480,292	638	508	586	22,967	24,103	16,875
Korea, Rep. of.....	1,097,365	845,475	767,559	36	57	0	0	0	0
Pakistan.....	0	0	0	396,737	453,067	309,502	1,067	3,998	0
Philippines.....	5,307	13,854	5,849	6,734	3,657	1,868	92,977	61,517	129,473
Total ⁴.....	7,946,339	5,958,261	6,978,806	590,861	488,295	347,983	677,453	524,814	714,803
Oceania:									
Australia.....	72,700	35,801	26,769	14	62	1	20,749	25,575	28,262
New Zealand.....	85	184	423	1	2	0	7,817	10,750	15,801
Total ⁴.....	72,785	36,020	27,192	32	81	13	28,918	36,843	44,063
Grand total ⁵.....	21,870,093	14,354,886	16,933,237	850,015	753,576	613,902	6,191,008	4,798,954	4,575,522

See footnotes on page 128.

Table 176.—Sunflower: Area, yield, production, and value, United States, 1976–90 ¹

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>
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	8.99	659,962
1980.....	3,910	3,683	1,016	3,741,640	10.90	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	9.03	473,454
1983.....	3,110	3,063	1,044	3,198,500	13.00	418,764
1984.....	3,754	3,692	1,014	3,744,530	11.30	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.....	1,805	1,775	1,469	2,608,150	8.34	217,618
1988.....	2,038	1,921	933	1,791,970	12.10	208,875
1989.....	1,840	1,786	985	1,759,760	10.60	190,452
1990 ²	1,905	1,851	1,229	2,274,405	10.80	245,347

¹ Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota.

² Preliminary.

Table 177.—Sunflower, Oil Varieties: Area, yield, production, and value, United States, 1976-90¹

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 pounds	Dollars	1,000 dollars
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	6.54	153,697
1987.....	1,587	1,563	1,473	2,302,250	8.15	187,673
1988.....	1,733	1,630	921	1,501,170	11.10	165,069
1989.....	1,411	1,373	988	1,356,300	9.72	131,324
1990 ²	1,390	1,343	1,205	1,618,450	9.87	159,791

¹ Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota. ² Preliminary.

National Agricultural Statistics Service.

Table 178.—Sunflower, non-oil varieties: Area, yield, production, and value, United States, 1976-90¹

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 pounds	Dollars	1,000 dollars
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	9.53	31,422
1987.....	218	212	1,443	305,900	9.79	29,945
1988.....	305	291	999	290,800	15.50	43,806
1989.....	429	413	977	403,460	14.60	58,528
1990 ²	515	508	1,291	655,955	13.00	85,556

¹ Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota. ² Preliminary.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 175

¹ For soybeans, year begins Sept. 1; for soybean oil and oilseed cake and meal, year begins Oct. 1. ² Preliminary.
³ Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by the Bureau of the Census.
⁴ Includes quantities exported to countries not shown. ⁵ Total may not add due to rounding. ⁶ Includes 94,182 metric tons, 9,147 metric tons and 89,632 metric tons transhipped via Canada to unidentified countries in 1986/87, 1987/88, and 1988/89 respectively.

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

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Table 179.—Sunflower: Area, yield, production, and value, by States, 1989-90

State	Area planted		Area harvested		Yield per harvested acre		Production		Marketing year average price per cwt.		Value of production	
	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹
											1989	1990 ¹
	<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>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dol-lars</i>	<i>Dol-lars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Oil varieties:												
KS.....	100	50	97	49	940	1,000	91,180	49,000	9.31	9.45	8,489	4,631
MN.....	45	70	44	69	1,400	1,650	61,600	113,850	10.50	10.70	6,468	12,182
ND.....	980	980	960	940	970	1,140	931,200	1,071,600	9.80	9.85	91,258	105,553
SD.....	253	285	240	280	980	1,350	235,200	378,000	9.51	9.75	22,368	36,855
TX.....	33	5	32	5	1,160	1,200	37,120	6,000	9.00	9.50	3,341	570
Total.....	1,411	1,390	1,373	1,343	988	1,205	1,356,300	1,618,450	9.72	9.87	131,924	159,791
Non-oil varieties:												
KS.....	30	25	28	24	970	1,370	27,160	32,880	9.04	11.00	2,455	3,617
MN.....	25	70	24	69	1,400	1,625	33,600	112,125	14.90	13.00	5,006	14,576
ND.....	340	390	330	385	920	1,220	303,600	469,700	14.70	13.20	44,629	62,000
SD.....	7	15	7	15	1,300	1,450	9,100	21,750	14.70	13.00	1,398	2,828
TX.....	27	15	24	15	1,250	1,300	30,000	19,500	17.00	13.00	5,100	2,535
Total.....	429	515	413	508	977	1,291	403,460	655,955	14.60	13.00	58,528	85,556
Total:												
KS.....	130	75	125	73	947	1,122	118,340	81,880	9.25	10.10	10,944	8,248
MN.....	70	140	68	138	1,400	1,638	95,200	225,975	12.10	11.80	11,474	26,758
ND.....	1,320	1,370	1,290	1,325	957	1,163	1,234,800	1,541,300	11.00	10.90	135,887	167,553
SD.....	260	300	247	295	989	1,355	244,300	399,750	9.70	9.93	23,706	39,683
TX.....	60	20	56	20	1,199	1,275	67,120	25,500	12.60	12.20	8,441	3,105
Total.....	1,840	1,905	1,786	1,851	985	1,229	1,759,760	2,274,405	10.60	10.80	190,452	245,347

¹ Preliminary.
National Agricultural Statistics Service.

Table 180.—Sunflower seeds: Yield and production in specified countries, 1988/89-1990/91¹

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:									
Canada.....	43	55	69	1.12	1.25	1.67	48	69	115
Mexico.....	16	12	12	.63	.83	.83	10	10	10
United States.....	777	723	749	1.05	1.10	1.38	813	798	1,032
Total.....	836	790	830	1.04	1.11	1.39	871	877	1,157
South America:									
Argentina.....	2,200	2,800	2,300	1.45	1.36	1.70	3,200	3,800	3,900
Brazil.....	12	4	4	1.08	1.25	1.25	13	5	5
Chile.....	15	16	16	2.13	2.06	2.13	32	33	32
Colombia.....	3	2	2	1.33	1.50	1.50	4	3	3
Paraguay.....	6	4	4	1.17	1.00	1.00	7	4	4
Uruguay.....	57	48	65	.84	.60	.80	48	29	52
Venezuela.....	115	110	42	.78	.91	1.00	90	100	42
Total.....	2,408	2,984	2,432	1.41	1.33	1.66	3,394	3,974	4,038

See footnotes at end of table.

Table 180.—Sunflower seeds: Yield and production in specified countries, 1988/89–1990/91¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³	1988/89	1989/90	1990/91 ³
	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:									
France.....	951	907	1,135	2.46	2.34	2.09	2,335	2,125	2,370
Germany.....	10	14	18	3.00	3.21	3.06	30	45	55
Greece.....	42	26	18	1.79	2.04	1.61	75	53	29
Italy.....	165	134	146	2.21	2.54	2.06	365	340	301
Portugal.....	75	66	50	.77	.68	.68	58	45	34
Spain.....	921	977	1,180	1.22	.95	1.10	1,123	929	1,300
Total EC.....	2,164	2,124	2,547	1.84	1.67	1.61	3,986	3,537	4,089
Austria.....	21	25	22	2.67	2.92	2.41	56	73	53
Total Western Europe.....	2,185	2,149	2,569	1.85	1.68	1.61	4,042	3,610	4,142
Bulgaria.....	265	240	238	1.38	1.86	1.57	367	447	374
Czechoslovakia.....	30	31	34	2.07	2.26	1.94	62	70	66
Hungary.....	363	356	346	1.95	1.94	1.95	708	692	673
Romania.....	444	434	395	1.31	1.51	1.41	580	656	556
Yugoslavia.....	209	204	214	1.96	2.06	1.97	410	420	422
Total Eastern Europe.....	1,311	1,265	1,227	1.62	1.81	1.70	2,127	2,285	2,091
Total Europe.....	3,496	3,414	3,796	1.76	1.73	1.64	6,169	5,895	6,233
Soviet Union.....	4,280	4,460	4,665	1.44	1.59	1.41	6,157	7,070	6,559
Africa:									
Egypt.....	10	11	15	1.80	1.91	2.00	18	21	30
Ethiopia.....	61	61	61	.36	.36	.36	22	22	22
Kenya.....	16	16	16	1.25	1.25	1.25	20	20	20
Morocco.....	88	110	156	1.00	.95	1.03	88	105	160
Mozambique.....	35	35	35	.57	.57	.57	20	20	20
South Africa, Republic of.....	410	519	575	1.04	1.21	1.13	428	626	650
Tanzania, United Republic of.....	83	84	85	.40	.26	.29	33	22	25
Uganda.....	5	5	5	.40	.40	.40	2	2	2
Zambia.....	42	44	45	.48	.82	.56	20	36	25
Zimbabwe.....	102	123	152	.47	.52	.45	48	64	68
Total ⁴	852	1,008	1,145	.82	.93	.89	699	938	1,022
Asia:									
Burma.....	182	134	134	.71	.66	.66	129	89	89
China (Mainland).....	830	716	700	1.42	1.49	1.71	1,180	1,064	1,200
India.....	1,104	1,422	1,200	.34	.42	.50	370	593	600
Iran.....	19	19	19	.74	.74	.74	14	14	14
Israel.....	14	14	14	.79	.79	.79	11	11	11
Japan.....	6	9	4	1.17	1.89	3.00	7	17	12
Pakistan.....	29	26	40	1.17	.96	1.00	34	25	40
Syria.....	19	10	10	.79	1.00	1.00	15	10	10
Turkey.....	700	800	700	1.57	1.50	1.21	1,100	1,200	850
Oceania:									
Australia.....	185	77	227	.92	1.19	.80	170	92	181
Total ⁴	3,088	3,227	3,048	.98	.97	.99	3,030	3,115	3,007
World total ⁴	14,960	15,883	15,916	1.36	1.38	1.38	20,320	21,869	22,016

¹ 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. ² Harvested area as far as possible. ³ Preliminary. ⁴ 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, 1976-90

Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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.....	66.3	66	4,356	10.20	43,989
1986.....	65.4	67	4,376	10.70	46,218
1987.....	67.0	67	4,495	11.70	52,373
1988.....	80.5	67	5,360	15.90	85,324
1989.....	100.8	66	6,652	13.10	87,005
1990 ¹	101.8	68	6,953	14.00	97,294

¹ Preliminary.

National Agricultural Statistics Service.

Table 182.—Spearment oil: Area, yield, production, and value, United States, 1976-90

Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1976.....	29.0	58	1,686	12.90	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	12.90	19,687
1984.....	27.9	72	2,019	12.60	25,405
1985.....	30.3	77	2,323	11.70	27,084
1986.....	28.7	93	2,666	11.40	30,396
1987.....	24.0	86	2,060	12.10	24,998
1988.....	22.6	77	1,745	12.80	22,382
1989.....	26.4	70	1,846	13.90	25,693
1990 ¹	33.7	76	2,565	14.70	37,629

¹ Preliminary.

National Agricultural Statistics Service.

Table 183.—Mint oil: Production and value, by States, 1988-90

State	Production			Price per pound			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 pounds	1,000 pounds	1,000 pounds	Dol-lars	Dol-lars	Dol-lars	1,000 dollars	1,000 dollars	1,000 dollars
Peppermint:									
ID.....	809	975	949	12.10	11.00	12.30	9,789	10,725	11,673
IN.....	194	600	616	27.20	14.60	15.70	5,277	8,760	9,671
OR.....	2,840	3,116	3,358	16.80	13.90	15.00	47,712	43,312	50,370
WA.....	1,419	1,574	1,683	14.30	11.20	11.90	20,292	17,629	20,028
WI.....	98	387	347	23.00	17.00	16.00	2,254	6,579	5,552
US.....	5,360	6,652	6,953	15.90	13.10	14.00	85,324	87,005	97,294
Spearmint:									
ID.....	165	151	232	14.40	15.40	16.70	2,376	2,325	3,874
IN.....	80	167	144	16.90	16.60	18.30	1,352	2,772	2,635
MI.....	36	61	66	16.60	16.00	17.60	598	976	1,162
OR.....	111	105	144	14.00	15.00	15.70	1,554	1,575	2,261
WA.....	1,261	1,102	1,676	11.70	12.60	13.00	14,754	13,885	21,788
WI.....	92	260	303	19.00	16.00	19.50	1,748	4,160	5,909
US.....	1,745	1,846	2,565	12.80	13.90	14.70	22,382	25,693	37,629

¹ Preliminary.

National Agricultural Statistics Service.

Table 184.—Olive oil: ¹ Production in specified countries and the world, 1987-90

Country	1987	1988	1989	1990 ²	Country	1987	1988	1989	1990 ²
	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
Europe:					Africa:				
France.....	1	1	1	2	Algeria.....	12	12	13	14
Greece.....	248	210	284	260	Morocco.....	43	42	32	70
Italy.....	355	660	431	566	Tunisia.....	114	100	95	130
Portugal.....	51	43	25	40	Libya.....	7	7	5	5
Spain.....	493	691	376	551	Total.....	176	161	145	219
Yugoslavia.....	2	6	4	5	Argentina.....	16	15	15	15
Total.....	1,150	1,611	1,121	1,424	Other countries.....	4	4	4	4
Middle East:					World total.....				
Israel.....	5	3	5	20		1,557	1,901	1,502	1,784
Jordan.....	2	9	2	10					
Syria.....	80	40	91	24					
Lebanon.....	9	8	9	8					
Turkey.....	115	50	110	60					
Total.....	211	110	217	122					

¹ Production in marketing year beginning Nov. 1; excludes residue oil. ² 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, 1976-90

Year	Supply			Disposition		
	Production	Stocks, Jan. 1	Total supply	Exports ¹	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>
1976	2,628	60	2,688	6	2,615	12.0
1977	2,535	67	2,602	7	2,515	11.5
1978	2,520	80	2,600	7	2,523	11.4
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	11.3
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	10.9
1986	2,789	61	2,850	8	2,761	11.5
1987	2,554	81	2,635	8	2,564	10.6
1988	2,549	63	2,612	8	2,542	10.4
1989	2,531	62	2,593	7	2,525	10.2
1990 ²	2,768	61	2,829	8	2,730	10.9

¹ Includes shipments prior to 1975. ² 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, 1976-90

Year	Vegetable oils			Animal fats ¹	Total ²
	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>
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	1,713	21	220	29	1,997
1983	1,549	34	212	41	1,850
1984	1,544	26	196	38	1,842
1985	1,628	8	210	65	1,946
1986	1,741	24	190	48	2,041
1987	1,615	28	248	22	1,931
1988	1,619	n.a.	210	35	1,895
1989	1,573	n.a.	214	32	1,875
1990	1,749	n.a.	208	35	2,102

¹ Lard and edible tallow. ² Includes small quantities of nuts, coconut, palm, and sunflower oil. n.a. not available.

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, 1976-90

Year	Supply			Disposition		
	Factory and warehouse stocks, Jan. 1	Production	Total supply	Exports and shipments	Domestic disappearance	
					Total	Per capita
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Pounds
1976.....	125	3,929	4,054	51	3,926	17.8
1977.....	128	3,841	3,969	46	3,856	17.3
1978.....	113	4,015	4,128	34	4,021	17.9
1979.....	107	4,206	4,313	41	4,181	18.5
1980.....	132	4,178	4,310	40	4,179	18.2
1981.....	131	4,291	4,422	49	4,302	18.5
1982.....	120	4,379	4,499	45	4,366	18.6
1983.....	133	4,363	4,496	31	4,365	18.5
1984.....	131	5,068	5,199	30	5,070	21.3
1985.....	129	5,505	5,634	30	5,477	23.0
1986.....	127	5,383	5,510	36	5,337	22.2
1987.....	137	5,237	5,374	31	5,204	21.5
1988.....	139	5,328	5,467	40	5,282	21.6
1989.....	145	4,288	4,433	19	5,322	21.5
1990 ¹	119	4,730	5,709	21	5,572	22.3

¹ Preliminary.

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

Table 188.—Shortening: Fats and oils used in manufacture, United States, 1976-90

Year	Vegetable oils				Animal fats		Total primary and secondary fats and oils ¹
	Cottonseed oil	Soybean oil	Coconut oil	Palm oil	Lard	Edible tallow	
1976.....	128	2,322	128	532	156	622	3,938
1977.....	160	2,279	78	371	185	748	3,855
1978.....	189	2,480	75	266	220	808	4,059
1979.....	169	2,680	93	222	316	713	4,213
1980.....	189	2,651	103	88	378	673	4,200
1981.....	136	2,767	125	217	315	724	4,304
1982.....	158	2,948	139	190	251	679	4,391
1983.....	139	2,914	152	213	277	632	4,381
1984.....	151	3,465	(²)	216	263	821	5,108
1985.....	173	3,625	(²)	230	289	1,015	5,564
1986.....	182	3,375	(²)	320	274	973	5,453
1987.....	136	3,434	(²)	215	224	890	5,303
1988.....	170	3,562	109	173	265	840	5,377
1989.....	192	3,509	92	139	295	752	5,338
1990 ⁴	252	4,004	(²)	(²)	264	637	5,684

¹ Includes small quantities of corn, peanut, safflower, and sunflower oil. ² Not included to avoid disclosure.³ Not available. ⁴ 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, 1976-90

Year	Supply				Disposition			Price of inedible tallow No. 1 at Chicago, per pound <i>Cents</i>
	Stocks Jan. 1	Production	Total	Exports	Factory consumption			
					Total	Use in soap	Use in feed	
<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>		
1976.....	277	5,675	5,961	2,331	3,367	764	1,464	13.2
1977.....	355	6,106	6,465	2,885	3,180	737	1,330	13.6
1978.....	344	5,815	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
1988.....	407	6,158	6,565	2,807	3,147	461	1,864	16.6
1989.....	399	5,848	6,247	2,679	3,194	368	1,919	14.7
1990.....	361	4,363	4,724	2,245	2,978	402	2,000	13.5

Economic Research Service.

Table 190.—Fats, oils, and oilseeds (fat or oil equivalent): World production, 1987-88/1990-91

Commodity	World production ¹			
	1987-88	1988-89	1989-90	1990-91 ²
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Edible vegetable oils:				
Cottonseed.....	3,591	3,794	3,476	3,760
Peanut.....	3,113	3,688	3,428	3,245
Soybean.....	15,236	14,562	15,938	15,664
Sunflower.....	7,278	7,185	7,857	7,799
Rapeseed.....	7,755	7,657	7,745	8,825
Olive ³	1,901	1,502	1,784	1,577
Total.....	38,874	38,388	40,228	40,870
Palm oils:				
Coconut.....	2,694	2,595	2,982	3,016
Palm kernel.....	1,204	1,252	1,487	1,504
Palm.....	8,354	9,561	10,907	11,044
Total.....	12,252	13,408	15,376	15,564
Industrial oils:				
Linseed.....	615	517	559	523
Total.....	615	517	559	523
Animal fats:				
Butter (fat content).....	5,254	5,362	5,431	5,322
Tallow and grease.....	6,820	6,965	6,989	7,032
Total.....	12,074	12,327	12,420	12,354
Marine oils:				
Fish.....	1,544	1,613	1,407	1,561
Total.....	1,544	1,613	1,407	1,561
Total, all commodities.....	65,359	66,253	69,990	70,872

¹ 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. ² Preliminary. ³ 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, 1976-90

Year beginning January	Lard	Inedible animal tallow, greases, and oils ¹	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>
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	1,267,681	55,141	6,365	26,119	259,541	19,482,717
1985.....	47,414	1,280,664	45,792	2,433	34,748	298,975	16,889,203
1986.....	47,827	1,197,774	10,905	39,275	30,320	277,389	21,379,560
1987.....	48,239	1,155,366	25,272	4,282	41,778	216,371	21,592,443
1988.....	57,622	1,336,908	44,085	4,275	37,317	153,273	18,229,355
1989.....	50,074	1,312,959	34,554	24,261	50,557	240,334	15,042,853
1990 ²	39,644	1,132,029	44,855	27,878	58,941	262,763	15,351,220

Year beginning January	Vegetable oils							Oilseed cake and meal	
	Cocoa butter	Coconut oil	Cottonseed oil ³	Linseed oil	Margarine	Peanut oil	Soybean oil ³	Soybean	Other ⁴
	<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>
1976.....	443	19,890	236,293	9,477	2,893	47,821	510,007	4,862,126	180,939
1977.....	1,130	7,342	331,758	11,570	3,063	45,065	773,791	4,133,659	159,352
1978.....	240	5,230	330,765	24,687	3,430	40,339	929,282	5,914,130	340,175
1979.....	233	4,396	287,130	11,379	3,367	4,370	1,129,334	6,087,713	356,672
1980.....	441	4,863	356,276	24,846	3,647	18,102	1,096,080	7,053,989	368,318
1981.....	592	11,362	318,568	31,301	7,509	19,752	818,730	6,344,614	441,094
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	185,682
1985.....	1,167	9,607	191,377	6,262	4,139	16,543	586,289	4,711,894	137,161
1986.....	988	10,011	173,919	4,095	3,811	35,226	540,447	5,960,340	130,166
1987.....	1,788	34,772	109,881	3,118	3,517	2,999	629,966	5,920,974	176,301
1988.....	1,093	30,572	171,045	4,529	3,742	3,345	875,491	6,282,414	192,364
1989.....	2,026	20,432	209,316	6,767	3,230	6,810	700,447	4,527,036	130,056
1990 ²	4,049	18,218	145,949	3,027	3,142	7,257	536,460	4,569,535	268,308

¹ 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. ² Preliminary. ³ Includes shipments under P.L. 480 as reported by the Bureau of the Census. ⁴ Includes corn meal.

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, 1976-90

Year beginning January	Oilseeds					
	Castor beans	Copra	Flaxseed	Peanuts unshelled	Peanuts shelled ¹	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>
1976.....	3	0	32,921	210	69	2,589
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.....	0	536	60,113	308	663	3,776
1988.....	0	933	109,413	356	577	3,693
1989.....	42	486	171,664	197	753	4,160
1990 ²	28	816	203,008	174	966	3,355

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>
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	269	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	71,073	37,678	548,317	357
1987.....	503	36,518	10,930	79,774	42,528	506,387	159
1988.....	6,851	33,146	59,828	78,286	30,365	444,799	169
1989.....	77,752	40,514	89,713	64,353	37,874	391,903	4
1990 ²	102,241	42,879	63,583	92,165	31,032	452,224	7

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>
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	208,652	145,067	405	15,332	6,939	156,386
1986.....	54,033	281,608	196,064	1,090	55,293	5,575	152,498
1987.....	63,736	187,899	182,955	4,700	87,317	5,895	259,742
1988.....	80,417	152,002	208,526	10,857	162,427	6,406	273,708
1989.....	80,833	112,201	151,282	391	194,557	6,474	333,036
1990 ²	97,273	131,161	154,327	3,368	213,956	4,045	313,220

¹ Includes blanched or roasted peanuts. ² Preliminary.

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

Table 193.—Inedible animal tallow, greases, and oils: ¹ United States exports by region and country of destination, 1988-90

Continent and country	1988	1989	1990 ²	Continent and country	1988	1989	1990 ²
	<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 and Central America:				Soviet Union	65,000	77,279	67,837
Canada	9,824	4,135	9,612	Africa:			
Dominican Republic	19,347	26,842	25,395	Algeria	28,257	43,353	56,219
El Salvador	36,268	37,841	44,509	Cameroon	0	0	0
Haiti	21,217	22,474	22,697	Ghana	3,922	1,988	0
Honduras	8,348	4,424	2,633	Kenya	14	0	9,712
Jamaica	6,055	6,212	6,724	Madagascar	0	1,199	0
Mexico	125,534	127,651	97,900	Morocco	16,533	7,418	5,441
Nicaragua	0	0	2,204	Nigeria	38,133	17,391	40,695
Trinidad and Tobago	2,921	2,374	3,272	Senegal	9,279	11,118	9,845
Other countries	32,500	39,986	32,305	Egypt	146,959	71,963	19,550
Total	262,050	271,939	247,251	South Africa	15,943	1,799	6,750
				Sudan	17,874	5,204	0
South America:				Other countries	15,131	22,397	16,286
Argentina	853	2,052	898	Total	292,095	183,830	164,498
Brazil	12,154	69,170	24,303	Asia:			
Chile	1,688	2,711	2,624	Iraq	32,062	31,396	13,639
Colombia	80,928	43,638	48,377	China	506	0	5,059
Ecuador	10,604	12,258	10,253	Taiwan	14,313	23,711	9,347
Peru	448	162	298	India	242	0	0
Venezuela	55,425	31,281	62,132	Japan	40,201	46,389	37,417
Other countries	634	1,900	195	Korea, Rep. of	87,753	80,996	68,956
Total	162,734	163,172	149,080	Lebanon	1,775	1,000	0
				Pakistan	54,191	57,082	38,959
Europe:				Philippines	6,140	4,000	6,800
Belgium and Luxembourg	13,133	5,586	4,062	Singapore	246	21	8
France	3,438	1,054	149	Turkey (Europe and Asia)	31,670	83,499	68,803
Germany, Fed. Rep. of	10,740	6,337	518	Thailand	31	70	19
Italy	7,853	20,044	11,389	Other countries	11,259	467	386
Netherlands	84,218	70,085	49,929	Total	280,389	328,631	249,393
United Kingdom	2,167	111	97	Oceania	1,155	114	52
Greece	78	3,007	3,204	Grand total ³	1,273,172	1,213,215	1,002,338
Norway	0	14	1				
Portugal	7,387	15,599	3,096				
Spain	78,104	58,316	51,461				
Switzerland	0	1,575	0				
Poland	0	0	0				
Other countries	2,634	5,522	317				
Total	209,752	188,250	124,223				

¹ Includes inedible tallow and choice white grease; yellow grease; inedible oleo, and oleo stearin; and animal fats, oils, and greases, n.e.c. ² Preliminary. ³ 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, 1976–90

Calendar year	Food products ¹													
	Butter (actual weight)		Lard (direct use) ²		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
1976.....	941	4.3	638	2.6	2,615	12.0	3,875	17.8	4,243	19.5	445	2.0	11,970	54.9
1977.....	946	4.3	557	2.2	2,515	11.4	3,810	17.3	4,207	19.1	422	1.9	11,698	53.1
1978.....	969	4.4	530	2.1	2,523	11.4	3,987	17.9	4,464	20.1	453	2.0	12,165	54.7
1979.....	1,011	4.5	569	2.5	2,535	11.3	4,156	18.5	4,690	20.8	377	1.7	12,711	56.5
1980.....	1,017	4.5	589	2.6	2,592	11.4	4,150	18.2	4,837	21.2	343	1.5	13,043	57.3
1981.....	974	4.2	573	2.5	2,573	11.3	4,262	18.5	5,008	21.8	320	1.4	13,222	57.5
1982.....	1,011	4.3	586	2.5	2,582	11.1	4,332	18.6	5,080	21.9	374	1.6	13,533	58.2
1983.....	1,150	4.9	488	2.1	2,446	10.4	4,345	18.5	5,524	23.6	365	1.5	14,165	60.3
1984.....	1,162	4.9	491	2.1	2,472	10.5	5,040	21.3	4,693	19.8	404	1.7	13,917	58.7
1985.....	1,164	4.9	426	1.8	2,588	10.9	5,477	23.0	5,614	23.5	375	1.6	15,345	64.1
1986.....	1,114	4.6	417	1.7	2,761	11.5	5,337	22.2	5,831	24.2	404	1.7	15,512	64.2
1987.....	1,128	4.5	441	1.8	2,564	10.6	5,204	21.5	6,156	25.4	316	1.3	15,175	62.2
1988.....	1,098	4.3	433	1.7	2,542	10.4	5,282	21.6	6,324	25.8	318	1.3	15,300	62.1
1989.....	1,066	4.3	442	1.8	2,525	10.6	5,322	21.5	5,919	23.9	313	1.3	15,100	60.5
1990 ³	1,163	4.3	540	2.2	2,730	10.9	5,572	22.3	6,040	24.2	291	1.2	15,749	63.1

Calendar year	Industrial products											
	Soap		Fatty acids		Animal feeds		Other industrial products		All industrial products ⁴		All products ⁵	
	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
1976.....	976	4.5	1,978	9.1	1,464	6.7	640	2.9	5,700	26.2	17,670	81.2
1977.....	953	4.4	1,974	9.0	1,492	6.8	695	3.2	5,708	26.0	17,406	79.2
1978.....	889	4.0	2,177	9.9	1,518	6.8	728	3.3	5,904	26.7	18,069	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	2,175	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	80.5
1983.....	811	3.5	1,862	7.9	1,478	6.3	611	2.6	5,181	22.2	19,346	82.7
1984.....	1,015	4.3	2,028	8.6	1,443	6.1	635	2.7	5,570	23.6	19,487	82.6
1985.....	754	3.2	1,911	8.0	1,495	6.3	453	1.9	5,100	21.4	20,445	85.9
1986.....	764	3.2	2,007	8.4	1,750	7.3	342	1.4	5,392	22.4	20,904	87.0
1987.....	918	3.8	2,195	9.0	1,874	7.7	597	2.5	6,154	25.4	21,329	88.0
1988.....	807	3.3	2,181	8.9	2,002	8.2	501	2.0	5,979	24.4	21,279	87.0
1989.....	749	3.0	2,057	8.3	2,083	8.4	444	1.8	5,848	23.7	20,948	84.8
1990 ³	799	3.2	1,981	7.9	2,203	8.8	296	1.2	5,741	23.0	21,490	86.2

¹ Domestic disappearance data are computed by ERS. ² Includes edible tallow direct use beginning in 1979. ³ Preliminary. ⁴ Including paint, varnish, resin, plastic, and lubricants. ⁵ 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, 1984-90

[1982=100]

Year	All fats and oils excluding butter	Seventeen major fats and oils								
		All fats and oils	Classified by origin		Classified by use					
			Animal	Vegetable	Edible			Industrial		
					Domestic origin	Butter	Lard	All edible	Soap fats	Drying oils	All industrial
1984.....	115.8	106.5	109.8	147.1	99.2	124.9	109.8	130.0	120.6	128.8
1985.....	84.2	73.1	85.2	131.3	104.5	106.7	78.8	104.4	111.9	104.7
1986.....	70.7	61.7	70.9	86.2	98.3	90.2	66.5	86.4	94.2	86.6
1987.....	69.1	60.2	69.2	87.8	95.3	88.9	64.9	94.2	79.1	90.2
1988.....	79.9	64.5	67.6	125.7	90.7	95.3	68.8	112.4	102.3	108.5
1989.....	72.4	59.8	64.2	113.5	88.0	105.3	64.0	98.2	130.8	99.0
1990.....	75.7	57.8	54.9	125.2	n.a.	104.2	62.9	88.1	113.1	88.4

n.a. not available.

Economic Research Service.

Table 196.—Fats and oils: Wholesale price per pound, 1986-90

Item and market	1986	1987	1988	1989	1990 ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Castor oil, No. 1, Brazilian, tanks, imported, New York.....	33.1	39.2	48.9	50.8	48.6
Coconut oil, crude, tanks, f.o.b. New York.....	16.2	23.3	27.7	27.9	20.7
Corn oil, crude, tank cars, f.o.b. Decatur.....	18.5	21.5	23.6	21.0	25.4
Cottonseed oil, crude, tank cars, f.o.b. Valley ²	17.6	17.7	22.0	19.9	23.1
Linseed oil, raw, tank cars, Minneapolis.....	28.4	24.8	32.6	40.3	40.1
Margarine, yellow quarters, f.o.b. Chicago.....	35.4	36.9	48.3	49.1	54.4
Palm oil, U.S. ports, refined.....	14.4	17.3	21.4	17.9	14.9
Rapeseed oil, refined (denatured), tanks, New York.....	60.2	64.2	64.4	77.2	81.1
Safflower oil, tanks, New York.....	49.3	52.1	52.5	53.8	55.1
Soybean oil, crude, tank cars, f.o.b. Decatur ²	18.0	15.4	22.7	21.1	22.3
Sunflower oil, crude, Minneapolis ²	19.1	16.0	23.6	22.7	22.1
Tallow, inedible, number delivered Chicago.....	9.0	14.9	16.6	13.0	13.5
Tung oil, imported, drums, f.o.b. New York.....	39.4	53.4	51.7	41.0	55.1

¹ Preliminary. ² Soybean, cottonseed, and sunflower seed oil prices on October-September 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, sweetpotatoes, and commercial vegetables and melons.

For potatoes and sweetpotatoes, 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 vegetable 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, 1976–90

Year	Area ¹			Production ⁴			Value ⁵		
	For fresh market ²	For processing ³	Total	For fresh market ²	For processing ³	Total	For fresh market ²	For processing ³	Total
	Acres	Acres	Acres	Tons	Tons	Tons	1,000 dollars	1,000 dollars	1,000 dollars
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 ^a	939,350	1,250,440	2,189,790	10,360,150	11,179,590	21,539,740	2,648,660	909,738	3,558,398
1983 ^a	935,350	1,197,350	2,132,700	9,905,400	10,270,050	20,175,450	2,863,593	800,600	3,664,193
1984 ^a	1,071,930	1,369,760	2,441,690	10,803,700	12,013,020	22,816,720	3,102,955	1,015,042	4,117,997
1985	1,070,740	1,391,780	2,462,520	10,859,650	11,791,860	22,651,510	2,926,791	1,023,933	3,950,724
1986	1,069,730	1,239,200	2,308,930	10,809,700	11,621,740	22,431,440	3,221,498	928,191	4,149,689
1987	1,122,320	1,312,260	2,434,580	11,683,900	12,235,130	23,919,020	3,630,350	942,046	4,572,396
1988	1,129,850	1,341,540	2,471,390	12,055,650	11,383,320	23,438,970	3,860,040	898,857	4,758,897
1989	1,145,500	1,474,970	2,620,470	12,671,000	14,460,860	27,121,860	4,169,365	1,256,975	5,426,340
1990 ^a	1,119,990	1,547,300	2,667,290	12,632,250	15,456,140	28,088,390	3,681,531	1,333,124	5,014,655

¹ 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. ² 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. ³ 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. ⁴ Production for fresh market excludes some quantities not marketed because of low prices or other economic factors. ⁵ Value for all fresh market vegetables, except garlic, on f.o.b. basis. For processing vegetables, value at processing plant door. ⁶ 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*.

⁷ Due to program modification, 1983 data are not comparable with 1982 and earlier or 1984 and later for fresh market vegetables. ⁸ Estimates for asparagus and cucumbers for pickles reinstated with the 1984 crop.

⁹ Preliminary.

National Agricultural Statistics Service.

Table 198.—Vegetables, commercial: Area of principal crops, by States, 1988-90 ¹

State	For fresh market ²			For processing ⁴			Total		
	1988	1989	1990 ³	1988	1989	1990 ³	1988	1989	1990 ³
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
AL.....	6,600	6,000	5,900	1,300	2,670	1,500	7,900	8,670	7,400
AZ.....	64,900	67,700	67,000				64,900	67,700	67,000
AR.....	1,100	1,000	1,000	5,400	5,400	2,500	6,500	6,400	3,500
CA.....	541,400	551,000	543,800	238,800	292,700	330,400	780,200	843,700	874,200
CO.....	20,800	20,800	21,000	2,180	1,490	850	22,980	22,290	21,850
CT.....	4,000	4,000	4,200				4,000	4,000	4,200
DE.....				17,500	20,570	22,990	17,500	20,570	22,990
FL.....	139,300	135,600	123,900	8,050	6,000	4,810	147,350	141,600	128,710
GA.....	2,900	7,400	9,100	2,400	4,500	4,500	5,300	11,900	13,600
HI.....	610	510	530				610	510	530
ID.....	7,600	7,400	7,600	29,040	31,440	33,660	36,640	38,840	41,260
IL.....	5,620	5,900	5,490	56,300	80,900	81,600	61,920	86,800	87,090
IN.....	1,500	1,700	1,680	16,300	16,600	17,800	17,800	18,300	19,480
IA.....				5,840	11,270	10,800	5,840	11,270	10,800
LA.....	380	340	(⁶)	440	950	560	820	1,290	560
MD.....	2,690	2,810	2,930	17,000	14,570	18,220	19,690	17,380	21,150
MA.....	7,770	8,350	7,660	350	300	290	8,120	8,650	7,950
MI.....	53,600	57,100	57,500	51,700	54,300	62,100	105,300	111,400	119,600
MN.....	3,900	4,270	4,540	204,490	186,820	221,880	208,390	191,090	226,420
NJ.....	20,300	17,900	18,900	10,180	8,870	10,380	30,480	26,770	29,280
NM.....	9,200	9,500	9,700				9,200	9,500	9,700
NY.....	46,230	45,230	48,260	65,580	65,550	64,490	111,810	110,780	112,750
NC.....	7,200	6,700	6,600	26,300	27,340	24,930	33,500	34,040	31,530
OH.....	16,100	16,890	15,200	21,840	21,400	23,140	37,940	38,290	38,340
OR.....	24,050	24,500	25,300	88,400	107,700	109,900	112,450	132,290	135,200
PA.....	20,600	21,100	22,900	13,500	12,200	17,600	34,100	33,300	40,500
SC.....	3,700	3,600	3,700	11,540	11,510	10,400	15,240	15,110	14,100
TN.....	3,900	3,600	4,300	6,060	5,400	5,000	9,960	9,000	9,300
TX.....	53,100	53,200	40,600	18,300	27,500	18,800	71,400	80,700	59,400
UT.....	1,800	1,900	1,900	2,300	2,400	2,600	4,100	4,300	4,500
VA.....	5,100	5,000	5,400	1,900	4,820	2,210	7,000	9,820	7,610
WA.....	49,400	49,900	47,900	99,600	109,700	117,200	149,000	159,600	165,100
WI.....	4,500	4,600	5,500	307,900	326,200	315,800	312,400	330,800	321,300
Other States ⁵				11,050	13,900	10,390	11,050	13,900	10,390
US.....	1,129,850	1,145,500	1,119,990	1,341,540	1,474,970	1,547,300	2,471,390	2,620,470	2,667,290

¹ Area for fresh market is area for harvest. Area for processing is area harvested. ² 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. ³ Preliminary. ⁴ Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates. ⁵ Estimates discontinued in 1990. ⁶ 1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma. 1989—Arizona, Kentucky, Maine, Mississippi, Missouri, and Oklahoma.

National Agricultural Statistics Service.

Table 199.—Vegetables, commercial: Production of principal crops, by States, 1988-90

State	For fresh market ¹			For processing ³			Total		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
AL.....	26,600	24,450	29,700	2,080	3,500	5,670	28,680	27,950	35,370
AZ.....	784,250	761,150	783,550				784,250	761,150	783,550
AR.....	15,590	7,000	12,250	11,160	19,200	4,120	27,110	26,200	16,370
CA.....	6,340,150	6,862,600	6,837,100	6,639,780	8,662,340	9,403,930	12,979,930	15,514,940	16,241,030
CO.....	359,350	360,750	353,050	28,620	14,170	10,330	387,970	374,920	363,380
CT.....	13,200	12,800	14,500				13,200	12,800	14,500
DE.....				53,070	62,930	73,040	53,070	62,930	73,040
FL.....	1,545,200	1,483,300	1,353,450	51,100	33,010	27,500	1,596,300	1,516,310	1,380,950
GA.....	26,100	58,750	98,350	8,700	15,210	13,140	34,800	73,960	111,490
HI.....	5,750	4,400	3,950				5,750	4,400	3,950
ID.....	201,400	199,800	222,300	183,370	203,500	191,440	384,770	403,300	413,740
IL.....	17,400	22,600	22,700	192,860	360,470	310,320	210,260	383,070	333,020
IN.....	8,450	11,000	10,650	189,420	198,640	235,300	197,870	209,640	245,950
IA.....				39,960	69,890	70,270	39,960	69,890	70,270
LA.....	2,300	1,550	(*)	1,400	2,700	1,680	3,700	4,250	1,680
MD.....	17,050	16,500	19,900	81,430	61,180	94,580	98,480	77,680	114,480
MA.....	38,000	39,350	35,700	6,370	6,000	6,300	44,370	45,350	42,000
MI.....	304,000	326,400	361,600	287,070	353,970	421,220	591,070	630,370	782,820
MN.....	19,700	42,000	43,600	616,090	791,450	887,740	635,790	833,450	931,340
NJ.....	86,300	72,150	97,400	57,560	48,080	77,590	143,860	120,230	174,990
NM.....	169,800	173,500	161,300				169,800	173,500	161,300
NY.....	321,850	336,750	429,100	201,650	233,280	294,530	523,500	570,030	723,630
NC.....	27,900	29,900	31,950	101,290	88,270	98,810	129,190	118,170	130,760
OH.....	79,250	116,650	101,950	396,080	431,070	487,070	475,330	547,720	589,020
OR.....	411,600	430,400	457,450	542,700	646,360	617,310	954,300	1,076,760	1,074,760
PA.....	77,500	112,700	75,150	53,000	62,650	83,530	130,500	175,350	158,680
SC.....	74,000	70,200	62,000	41,040	38,690	51,110	115,040	108,890	113,110
TN.....	35,100	25,200	43,000	9,000	10,300	8,900	44,100	35,500	51,900
TX.....	473,550	452,750	318,850	84,360	107,610	65,780	557,910	560,360	384,630
UT.....	34,200	42,300	45,600	7,890	7,270	8,890	42,090	49,570	54,490
VA.....	71,400	65,250	77,750	14,600	18,730	18,630	86,000	83,980	96,380
WA.....	386,000	416,050	407,900	538,600	591,790	592,170	924,600	1,007,840	1,000,070
WI.....	82,350	102,800	120,500	919,690	1,272,390	1,266,850	1,002,040	1,375,190	1,387,350
Other States ⁵				23,380	36,210	28,390	23,380	36,210	28,390
US.....	12,055,650	12,671,000	12,632,250	11,383,320	14,450,860	15,456,140	23,438,970	27,121,860	28,088,390

¹ 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.

² Preliminary. ³ Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates. ⁴ Estimates discontinued in 1990.

⁵ 1988-90—Arizona, Kentucky, Maine, Mississippi, Missouri, and Oklahoma.

National Agricultural Statistics Service.

Table 200.—Vegetables, commercial: Value of principal crops, by States, 1988-90

State	For fresh market ¹			For processing ³			Total		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	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.....	9,233	9,996	12,741	408	821	1,004	9,641	10,817	13,745
AZ.....	364,087	235,470	146,852				364,087	235,470	146,852
AR.....	13,877	4,956	8,624	1,966	2,752	902	15,843	7,708	9,526
CA.....	1,896,309	1,962,474	1,975,058	404,904	603,369	639,188	2,301,213	2,565,843	2,614,246
CO.....	71,693	77,758	64,616		2,899		74,592	79,579	65,338
CT.....	5,095	5,888	5,829				5,095	5,888	5,829
DE.....				6,155	8,472	10,933	6,155	8,472	10,933
FL.....	651,593	931,800	582,184	12,219	7,829	7,052	663,802	939,629	589,236
GA.....	11,641	30,232	56,031	1,631	3,146	2,768	13,272	33,378	58,799
HI.....	5,033	4,334	4,376				5,033	4,334	4,376
ID.....	36,645	39,280	34,234	12,459	15,160	15,945	49,104	54,390	50,179
IL.....	6,235	9,109	6,697	19,449	42,389	39,477	25,684	51,498	46,174
IN.....	5,226	6,081	6,846	18,180	18,687	23,137	23,406	24,768	29,983
IA.....				2,632	5,078	4,184	2,632	5,078	4,184
LA.....	2,024	1,178	(*)	189	329	168	2,213	1,507	168
MD.....	11,454	8,389	14,965	9,416	8,786	11,850	20,870	17,175	26,815
MA.....	17,369	20,700	17,848	790	816	819	18,159	21,516	18,667
MI.....	90,147	87,684	85,100	35,266	45,961	52,885	125,413	133,645	137,985
MN.....	4,841	6,132	6,655	46,918	72,015	78,391	51,759	78,147	85,046
NJ.....	31,721	30,569	34,454	6,795	6,361	9,526	38,516	36,930	43,980
NM.....	28,483	50,651	32,866				28,483	50,651	32,866
NY.....	105,762	106,408	111,986	20,588	28,018	31,985	126,350	134,426	143,971
NC.....	8,767	9,350	10,857	20,985	19,702	23,313	29,752	29,052	34,170
OH.....	23,444	37,854	26,562	32,970	37,973	44,629	56,414	75,827	71,191
OR.....	86,998	96,547	89,899	58,887	77,806	77,674	145,885	174,353	166,663
PA.....	28,715	47,509	28,393	6,060	7,809	11,352	34,775	55,318	39,745
SC.....	34,188	32,292	28,024	8,760	8,271	11,102	42,948	40,563	39,126
TN.....	19,656	12,600	20,640	1,815	2,298	2,047	21,471	14,898	22,687
TX.....	128,353	125,451	96,860	17,784	22,770	14,894	146,137	148,221	111,754
UT.....	4,816	6,839	6,821	1,081	1,156	1,085	5,897	7,995	7,906
VA.....	43,504	43,176	44,889	1,771	3,050	2,376	45,275	46,226	47,265
WA.....	102,060	117,412	107,119	52,651	64,978	65,702	154,711	182,390	172,821
WI.....	11,081	11,796	14,415	88,814	132,289	140,637	99,896	144,085	155,052
Other States ⁶				4,415	7,063	6,777	4,415	7,063	6,777
US.....	3,860,040	4,169,365	3,681,531	898,857	1,256,975	1,333,124	4,758,897	5,426,340	5,014,655

¹ 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.
² Preliminary. ³ Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates. ⁴ Estimates discontinued in 1990.
⁵ 1988—AL, CA, DE, FL, GA, ID, MD, MO, NJ, NC, OH, OK, SC, TX, UT, and VA. 1989—AL, AR, CA, DE, FL, ID, IA, LA, MD, MO, NJ, NC, OH, DK, SC, TX, UT, and VA. 1990—AR, CA, DE, FL, ID, MD, MO, NJ, NC, OH, OK, TX, UT, VA, and WA.

National Agricultural Statistics Service.

Table 201.—Asparagus, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1976-90

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production	Value ¹		Production	Value ¹		Production	Value ²	
				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>
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 ³											
1983 ³											
1984 ⁴	89,930	21	1,896	61.40	116,501	1,043	73.70	76,900	42,690	928.00	39,601
1985.....	91,450	23	2,186	64.40	137,492	1,152	79.80	91,343	49,210	938.00	46,149
1986.....	96,180	23	2,230	61.40	136,969	1,387	70.60	97,941	42,080	927.00	39,028
1987.....	99,840	24	2,347	57.80	135,705	1,388	65.60	91,102	47,880	932.00	44,603
1988.....	100,910	24	2,422	62.80	152,108	1,481	70.50	104,387	47,090	1,010.00	47,721
1989.....	98,510	25	2,495	60.00	149,622	1,492	68.20	101,760	50,140	955.00	47,862
1990 ⁵	95,600	26	2,447	60.60	148,380	1,435	68.60	98,419	50,600	987.00	49,961

¹ Price and value on F.O.B. basis. ² Price and value at processing plant door. ³ Data not available. ⁴ Estimates reinstated with 1984 crop. ⁵ Preliminary.
National Agricultural Statistics Service.

Table 202.—Asparagus, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1988-90

State	Area Harvested ¹			Production			Value per unit		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	<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.....	40,100	37,500	35,900	1,163	1,088	1,041	71.70	66.20	68.00
IL.....	820	800	790	12	13	17	68.80	69.20	59.80
MI.....	22,500	23,000	23,500	248	253	259	59.00	58.40	56.70
NJ.....	1,700	1,500	1,400	34	38	32	66.50	64.80	68.00
WA.....	32,000	32,000	30,000	896	1,024	1,020	52.70	53.80	53.80
Other States ³	3,790	3,710	4,010	69	79	78	54.40	56.00	60.90
US.....	100,910	98,510	95,600	2,422	2,495	2,447	62.80	60.00	60.60

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	<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>
MI.....	42	33	51	68.90	68.00	67.70	10,300	11,000	10,400	1,140.00	1,140.00	1,080.00
NJ.....	34	38	32	66.50	64.80	68.00						
WA.....	252	324	280	62.20	73.30	69.80	32,200	35,000	37,000	979.00	895.00	956.00
Other States ⁴	1,153	1,097	1,072	72.50	66.80	68.30	4,530	4,140	3,200	983.00	966.00	1,050.00
US.....	1,481	1,492	1,435	70.50	68.20	68.60	47,030	50,140	50,600	1,010.00	955.00	987.00

¹ 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. ² Preliminary. ³ Indiana, Maryland, Minnesota, and Oregon. ⁴ California, 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, 1976-90

Year	Area harvested	Yield per acre	Production	Value ¹		Year	Area harvested	Yield per acre	Production	Value ¹	
				Per ton	Total					Per ton	Total
	Acres	Tons	Tons	Dollars	1,000 dollars		Acres	Tons	Tons	Dollars	1,000 dollars
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	118,799
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	224,010	3.06	685,830	160.00	109,609
1980	255,690	2.75	704,230	156.00	110,034	1988	217,650	2.70	588,280	168.00	98,630
1981	218,300	3.08	672,170	166.00	111,394	1989	249,000	3.49	869,700	174.00	151,379
1982	204,410	3.15	643,860	166.00	106,610	1990 ²	245,930	3.23	795,550	183.00	145,230
1983	196,730	2.99	587,410	160.00	94,252						

¹ Price and value at processing plant door. ² Preliminary.

National Agricultural Statistics Service.

Table 204.—Beans, snap (for processing), commercial crop: Area, production, and value per ton, by States, 1988-90

State	Area harvested			Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Acres	Acres	Acres	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
AR	3,600			6,410			186.00		
GA		2,700	2,700		6,210	5,940		253.00	254.00
IL	9,500	24,800	24,600	30,880	82,090	59,290	181.00	216.00	223.00
IN	6,200	4,600	6,600	17,670	14,630	16,630	203.00	229.00	226.00
MI	21,000	21,500	27,000	37,800	62,350	79,650	175.00	166.00	170.00
MN	5,400	5,900	6,800	13,390	22,660	18,360	138.00	111.00	135.00
NY	28,000	25,200	22,600	52,920	69,550	70,060	161.00	188.00	184.00
OR	21,700	25,700	25,400	125,210	173,990	147,320	174.00	176.00	186.00
PA	6,400	5,700	8,500	11,970	14,540	24,910	213.00	226.00	212.00
TN	6,000	5,200	5,000	8,400	9,100	8,900	210.00	240.00	230.00
WA	800	1,100	(³)	3,660	4,790	(³)	193.00	184.00	(³)
WI	82,800	82,500	78,700	209,480	281,330	257,350	151.00	152.00	167.00
Other States ²	26,250	44,100	38,030	70,490	128,460	107,140	182.00	179.00	188.00
Total	217,650	249,000	245,930	588,280	869,700	795,550	168.00	174.00	183.00

¹ Preliminary. ² 1988—Alabama, California, Delaware, Florida, Georgia, Idaho, Maryland, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia. 1989—Alabama, Arkansas, California, Delaware, Florida, Idaho, Iowa, Louisiana, Maryland, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia. 1990—Arkansas, California, Delaware, Florida, Idaho, Maryland, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, Texas, Utah, and Virginia. ³ Estimates discontinued in 1990.

National Agricultural Statistics Service.

Table 205.—Broccoli, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1976-90¹

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production ²	Value ³		Production	Value ³		Production	Value ⁴	
				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>
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	57,330	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	48,627
1980.....	77,850	87	6,758	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	150,240	376.00	56,487
1982.....	92,000	96	8,819	24.00	211,248	5,414	26.70	144,799	170,220	390.00	66,449
1983 ⁵	91,500	91	8,326	25.30	210,250	5,582	28.20	157,426	137,220	385.00	52,824
1984.....	106,500	97	10,282	23.10	237,762	6,740	25.10	168,846	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	11,529	20.30	239,739	8,442	21.90	184,665	154,350	357.00	55,074
1987.....	121,700	95	11,510	20.80	239,548	8,599	21.90	188,241	145,540	353.00	51,307
1988.....	114,400	112	12,792	22.80	292,240	10,022	24.00	240,431	138,480	374.00	51,809
1989.....	116,800	116	13,513	20.40	276,050	10,744	21.00	225,472	138,450	365.00	50,578
1990 ⁶	110,800	11	12,345	21.70	268,220	9,893	22.30	220,437	122,600	390.00	47,783

¹ Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli. ² Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundred-weight): 22 in 1973. ³ Price and value on f.o.b. basis. ⁴ Price and value at processing plant door. ⁵ Due to program modifications, 1983 data are not comparable with 1982 and earlier or 1984 and later data. ⁶ Preliminary. National Agricultural Statistics Service.

Table 206.—Broccoli, commercial crop: Area, production, and value per hundredweight, and per ton, by States, 1988-90¹

State	Area harvested			Production			Value per unit		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	<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.....	4,300	5,400	5,100	391	540	587	24.80	20.60	18.70
CA.....	101,100	101,600	97,500	11,626	12,192	11,213	22.90	20.00	21.80
OR.....	2,800	3,100	3,100	260	285	264	23.20	22.10	23.80
TX.....	6,200	6,700	5,100	515	496	281	20.60	29.60	22.30
US.....	114,400	116,800	110,800	12,792	13,513	12,345	22.80	20.40	21.70

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	<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.....	391	540	587	24.80	20.60	18.70						
CA.....	9,166	9,792	9,113	23.90	20.40	22.30	123,000	120,000	105,000	381.00	368.00	395.00
Other States ³	465	412	193	25.10	35.40	32.30	15,480	18,450	17,600	320.00	348.00	358.00
US.....	10,022	10,744	9,893	24.00	21.00	22.30	138,480	138,450	122,600	374.00	365.00	390.00

¹ Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli. ² Preliminary. ³ Oregon and Texas. National Agricultural Statistics Service.

Table 207.—Carrots, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1988-90

State	Area harvested			Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	1,900	1,400	1,500	238	238	195	10.20	15.70	10.60
CA.....	51,100	57,300	56,100	14,564	16,617	17,391	11.70	12.10	10.40
CO.....	1,400	1,400	1,300	504	532	449	8.40	8.35	7.60
FL.....	12,200	9,400	7,200	1,183	940	1,080	11.40	16.00	16.30
MI.....	6,700	6,800	6,700	1,709	1,666	1,876	12.50	8.43	9.20
MN.....	1,400	1,800	1,900	245	657	637	9.37	5.38	5.80
NY.....	1,200	1,200	1,200	420	432	438	9.60	8.91	8.55
OR.....	950	1,300	1,500	513	748	780	10.50	9.20	11.00
TX.....	10,000	9,900	5,300	1,800	1,683	848	9.77	11.60	8.63
WA.....	5,600	6,300	6,300	2,912	3,276	3,087	5.98	4.40	4.86
WI.....	3,200	3,300	4,000	1,296	1,568	1,780	5.91	5.44	6.51
Other States ²	1,900	1,800	1,400	483	630	676	3.11	3.11	3.42
US.....	97,550	101,900	94,400	25,867	28,987	29,237	10.30	10.30	9.33

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	238	238	195	10.20	15.70	10.60						
CA.....	12,400	14,102	15,291	13.00	13.70	11.20	108,200	125,750	105,000	83.50	64.70	85.00
CO.....	504	532	449	8.40	8.35	7.60						
FL.....	1,183	940	1,080	11.40	16.00	16.30						
MI.....	1,139	978	1,316	17.20	12.50	11.90	28,480	34,380	28,000	60.60	53.00	56.80
MN.....	105	333	244	17.00	7.50	10.50	7,000	16,200	19,650	73.00	64.00	57.70
NY.....	100	106	78	29.90	26.80	33.70	16,000	16,300	18,000	65.00	61.70	62.00
OR.....	205	410	402	22.50	15.00	19.00	15,390	16,910	18,900	49.40	43.40	49.30
TX.....	1,575	1,323	480	10.80	14.00	13.30	11,250	18,000	18,400	51.00	53.00	51.00
WA.....	678	739	647	16.80	10.50	13.70	111,720	126,850	122,000	53.90	52.40	50.30
Other States ³	108	112	223	28.00	28.00	27.00	83,550	104,320	111,660	73.40	70.40	70.50
US.....	18,235	19,813	20,405	13.30	13.60	12.00	381,590	458,710	441,610	67.60	60.30	64.90

¹ Preliminary. ² New Jersey and Ohio. ³ 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, 1976-90

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production ¹	Value ²		Production	Value ²		Production	Value ³	
				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>
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.....	86,040	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	24,081	8.68	208,985	15,685	11.90	185,897	419,830	55.00	23,088
1983 ⁴	87,300	265	23,106	9.37	216,422	15,234	12.70	192,886	393,570	59.80	23,536
1984.....	93,740	252	23,606	10.60	249,761	15,616	14.40	224,240	399,520	63.90	25,521
1985.....	89,800	254	22,772	9.05	206,190	15,345	11.90	182,265	371,370	64.40	23,925
1986.....	86,600	272	23,540	10.00	236,476	16,060	13.30	213,141	373,970	62.40	23,335
1987.....	99,600	288	28,720	8.66	248,626	20,896	10.80	225,570	391,220	58.90	23,056
1988.....	97,550	265	25,867	10.30	267,552	18,235	13.30	241,751	381,590	67.60	25,801
1989.....	101,900	284	28,987	10.30	297,227	19,813	13.60	269,548	458,710	60.30	27,679
1990 ⁵	94,400	310	29,237	9.33	272,743	20,405	12.00	244,100	441,610	64.90	28,643

¹ 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. ² Price and value on f.o.b. basis. ³ Price and value at processing plant door. ⁴ Due to program modifications, 1983 data are not comparable with 1982 and earlier and 1984 and later data. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 209.—Cauliflower, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, 1976-90¹

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production	Value ²		Production	Value ²		Production	Value ³	
				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>
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	131,336	3,420	31.20	106,720	97,530	252.00	24,616
1983 ⁴	54,600	99	5,414	25.80	139,920	3,704	32.00	118,395	85,510	252.00	21,525
1984.....	60,800	110	6,688	26.20	174,931	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	269.00	21,843
1987.....	66,100	112	7,375	25.40	187,555	5,928	28.30	167,728	72,330	274.00	19,827
1988.....	62,800	125	7,874	25.70	202,113	6,500	28.10	182,972	68,690	279.00	19,141
1989.....	67,700	116	7,846	26.10	204,840	6,653	28.10	187,169	59,630	296.00	17,671
1990 ⁵	65,800	119	7,855	24.20	190,350	6,620	25.20	166,504	61,730	386.00	23,846

¹ Includes heading (cauliflower) broccoli. ² Price and value on f.o.b. basis. ³ Price and value at processing plant door. ⁴ Due to program modifications, 1983 data are not comparable with 1982 and earlier and 1984 and later data. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 210.—Cauliflower, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1988-90¹

State	Area harvested			Production			Value per unit		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	<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.....	6,100	6,800	6,400	641	782	672	31.10	28.10	23.70
CA.....	48,000	52,500	51,300	6,240	6,038	6,156	25.90	26.70	24.80
MI.....	1,100	1,200	1,000	61	72	70	39.00	33.00	39.40
NY:									
Long Island.....	1,500	1,300	1,200	180	150	144	26.20	28.60	26.10
Upstate.....	1,600	1,400	1,400	152	168	168	24.90	31.10	27.70
OR.....	3,000	3,000	3,500	495	540	595	15.70	15.60	16.20
TX.....	1,500	1,500	1,000	105	96	50	18.90	15.40	13.60
US.....	62,800	67,700	65,800	7,874	7,846	7,855	25.70	26.10	24.20

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	<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.....	641	782	672	31.10	28.10	23.70						
CA.....	5,340	5,378	5,506	27.60	27.80	24.80	45,000	33,000	32,500	314.00	350.00	504.00
Other States ³	519	493	442	30.20	31.80	31.70	23,690	26,630	29,230	212.00	230.00	255.00
US.....	6,500	6,653	6,620	28.10	28.10	25.20	68,690	59,630	61,730	279.00	296.00	386.00

¹ Includes heading (cauliflower) broccoli. ² Preliminary. ³ Michigan, New York, Oregon, and Texas. National Agricultural Statistics Service.

Table 211.—Celery, commercial crop: Area, production, and value per hundredweight, by States, 1988-90¹

State	Area harvested			Production			Value per unit		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	<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:									
Southern Coast.....	11,500	11,300	12,500	7,073	6,159	7,063	11.00	14.60	13.30
Central Coast.....	8,800	10,500	12,300	6,204	8,453	7,749	11.30	11.20	10.30
FL.....	8,000	8,000	8,200	3,720	3,320	3,198	13.40	15.80	11.40
MI.....	3,100	2,800	3,000	1,178	1,064	1,290	13.70	13.30	9.99
NY.....	430	430	360	172	172	108	21.10	18.40	14.10
OH.....	350	400	300	140	186	107	13.50	11.20	9.86
TX.....	1,800	1,900	1,000	936	922	280	12.30	12.60	9.20
US.....	33,980	35,330	37,660	19,423	20,276	19,795	11.90	13.20	10.80

¹ Mostly for fresh market use, but includes some quantities used for processing. ² Preliminary. National Agricultural Statistics Service.

Table 212.—Celery, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1976-90 ¹

Year	Area for harvest	Yield per acre	Production	Value ²		Year	Area for harvest	Yield per acre	Production	Value ²	
				Per cwt.	Total					Per cwt.	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1976	33,660	502	16,904	7.89	133,336	1983	34,780	526	18,287	13.70	250,185
1977	33,760	491	16,561	8.51	140,978	1984	35,050	535	18,757	12.20	228,304
1978	36,830	467	17,201	11.90	204,941	1985	33,860	542	18,349	10.30	189,527
1979	35,720	493	17,603	9.15	161,042	1986	33,340	528	17,614	12.00	211,065
1980	37,250	501	18,655	9.11	169,896	1987	33,940	526	17,847	11.10	198,833
1981	36,720	507	18,628	10.80	200,622	1988	33,980	572	19,423	11.90	230,762
1982	36,440	525	19,139	10.20	194,587	1989	35,330	574	20,276	13.20	268,266
						1990 ³	37,660	526	19,795	10.80	214,501

¹ Mostly for fresh market use, but includes quantities used for processing.² Price and value on f.o.b. basis.³ 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, 1976-90

Year	For fresh market					For processing				
	Area for harvest	Yield per acre	Production ¹	Value ²		Area for harvest	Yield per acre	Production	Value ³	
				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>
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	176,016	446,900	6.13	2,740,450	61.40	168,165
1983	190,900	78	14,874	12.50	185,737	399,800	5.57	2,227,060	59.80	133,233
1984	193,300	81	15,607	13.10	204,978	427,200	5.97	2,552,170	63.70	162,530
1985	191,100	82	15,754	12.70	200,602	435,300	6.06	2,640,000	63.40	167,297
1986	185,200	81	15,050	13.90	209,318	413,380	6.19	2,559,440	58.90	150,821
1987	194,300	81	15,664	12.90	201,555	430,920	6.65	2,866,630	59.30	169,984
1988	180,600	80	14,401	14.80	213,196	446,200	5.42	2,420,400	60.80	147,070
1989	178,200	91	16,135	16.90	272,309	464,450	6.35	2,949,340	66.90	197,267
1990 ⁴	185,300	90	16,658	15.00	249,812	490,080	6.37	3,120,610	69.60	217,040

¹ Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 56 in 1978.² Price and value on f.o.b. basis.³ Price and value at processing plant door.⁴ Preliminary.

National Agricultural Statistics Service.

Table 214.—Corn, sweet, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1988–90

Utilization and State	Area harvested			Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
FOR FRESH MARKET	<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.....	3,500	3,300	3,100	175	165	202	14.00	16.40	16.50
CA.....	18,000	17,500	20,000	1,620	2,013	1,900	15.10	16.10	16.70
CO.....	3,600	3,000	2,800	504	435	462	9.40	12.40	12.60
CN.....	4,000	4,000	4,200	264	256	290	19.30	23.00	20.10
FL.....	53,100	49,700	52,000	5,151	5,219	6,240	14.10	16.90	15.20
IL.....	4,800	5,100	4,700	336	439	437	16.10	18.70	13.00
MA.....	7,200	7,800	7,100	655	663	568	17.70	20.00	16.00
MI.....	9,000	11,800	12,500	540	802	788	16.90	17.50	14.30
NJ.....	10,000	8,600	9,500	620	533	741	16.70	17.80	14.10
NY.....	24,800	24,800	26,500	1,736	1,984	2,120	14.30	15.10	11.50
NC.....	5,800	5,400	5,200	348	351	338	12.70	15.80	15.20
OH.....	10,500	10,700	10,700	578	910	942	11.60	14.10	14.30
OR.....	2,300	2,400	2,300	276	276	253	22.40	20.40	21.50
PA.....	15,700	17,100	18,200	864	1,454	892	16.80	20.90	18.20
TX.....	3,000	2,500	2,400	150	125	144	14.00	13.90	15.50
VA.....	2,100	2,000	2,000	168	210	110	18.20	15.80	15.30
WA.....	3,200	2,500	2,100	416	300	281	13.30	12.70	13.80
US.....	180,600	178,200	185,300	14,401	16,135	16,658	14.80	16.90	15.00
FOR PROCESSING	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons ²</i>	<i>Tons ²</i>	<i>Tons ²</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
DE.....	5,300	6,300	6,100	26,390	34,400	35,200	69.00	68.70	71.50
ID.....	18,200	20,200	20,100	163,800	182,000	166,430	58.90	57.90	63.00
IL.....	30,300	36,100	34,500	119,990	202,520	178,370	69.40	66.50	82.60
MD.....	6,800	4,600	7,100	34,270	24,100	43,590	62.80	73.30	68.50
MN.....	124,200	106,700	130,000	544,000	650,870	752,700	55.60	61.50	62.40
NY.....	25,000	27,700	29,700	95,000	110,800	166,320	55.70	60.80	59.70
OR.....	38,500	45,500	47,200	353,430	394,940	396,480	71.30	80.50	85.50
PA.....	2,800	2,000	3,500	10,390	9,780	16,100	52.40	54.00	58.90
WA.....	49,200	51,200	56,300	430,500	470,530	471,790	64.80	74.50	76.90
WI.....	138,400	152,000	141,200	608,960	810,160	809,080	57.10	63.00	65.90
Other States ³	7,500	12,150	14,380	33,670	59,240	84,550	58.80	66.70	58.90
US.....	446,200	464,450	490,080	2,420,400	2,949,340	3,120,610	60.80	66.90	69.60
Grand total.....	626,800	642,650	675,380	3,140,450	3,756,090	3,953,510	115.00	125.00	118.00

¹ Preliminary. ² Tonnage in husk. ³ 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, 1976-90

Year	For processing					Pickle stocks on hand Oct. 1 ²
	Area harvested	Yield per acre	Production	Value ¹		
				Per ton	Total	
	Acres	Tons	Tons	Dollars	1,000 dollars	Tons
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 ³						
1983 ³						
1984 ⁴	103,580	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	109,630	5.80	635,450	180.00	114,374	462,870
1988	118,870	5.48	651,580	200.00	130,194	461,110
1989	124,170	5.18	642,690	204.00	131,082	458,880
1990 ⁵	115,490	5.69	656,570	209.00	136,993	491,880

¹ Price and value at processing plant door. ² 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. ³ Data not available. ⁴ Estimates reinstated with the 1984 crop. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 216.—Cucumbers (for pickles), commercial crop: Area, production, and value per ton, by States, 1988-90

State	Area harvested			Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Acres	Acres	Acres	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
CA	3,800	4,300	4,700	69,010	52,460	62,510	213.00	247.00	214.00
CO	1,500	1,300	700	16,280	10,560	7,940	123.00	140.00	137.00
FL	6,000	2,700	2,400	36,000	14,310	14,160	300.00	365.00	380.00
IN	1,200	1,700	1,500	11,400	15,810	14,850	148.00	133.00	166.00
MI	23,000	24,500	24,000	126,500	147,000	141,600	156.00	168.00	167.00
NJ	580	670		3,490	4,110		197.00	195.00	
NC	25,900	26,500	24,600	100,490	86,920	98,150	207.00	223.00	236.00
OH	3,900	3,700	4,400	36,270	39,290	47,520	198.00	196.00	220.00
OR	2,200	2,400		26,620	29,350		177.00	164.00	
SC	11,200	11,100	10,300	39,760	36,740	49,960	216.00	218.00	220.00
TX	14,100	18,100	10,100	53,580	67,880	27,780	269.00	265.00	230.00
WA	1,400	1,700		14,310	17,320		187.00	177.00	
WI	6,800	6,700	7,400	46,920	50,850	54,390	187.00	184.00	187.00
Other States ²	17,290	18,800	25,390	70,950	70,090	137,710	189.00	193.00	197.00
US	118,870	124,170	115,490	651,580	642,690	656,570	200.00	204.00	209.00

¹ Preliminary. ² 1988—Alabama, Arizona, Arkansas, Delaware, Georgia, Idaho, Illinois, Iowa, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, New York, and Tennessee. 1989-90—Alabama, Arizona, Arkansas, Delaware, Georgia, Idaho, Illinois, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, New Jersey, New York, and Oregon.

National Agricultural Statistics Service.

Table 217.—Honeydew melons, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1976-90

Year	Area for harvest	Yield per acre	Production	Value ¹		Year	Area for harvest	Yield per acre	Production	Value ¹	
				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
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	28,600	168	4,811	14.40	69,293
1980	17,700	180	3,180	13.50	42,864	1988	31,200	168	5,241	14.40	75,341
1981	19,600	174	3,419	15.40	52,581	1989	29,900	172	5,131	12.10	62,334
1982	24,900	152	3,780	14.10	53,111	1990 ²	26,500	171	4,520	18.10	81,636
1983	23,800	165	3,918	13.20	51,540						

¹ Price and value on f.o.b. basis. ² Preliminary.

National Agricultural Statistics Service.

Table 218.—Honeydew melons, commercial crop: Area, production, and value per hundredweight, by States, 1988-90

State	Area harvested			Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
AZ	2,400	2,100	2,500	420	336	425	17.30	12.00	24.60
CA	21,300	21,300	19,000	3,621	4,047	3,420	13.10	11.80	15.80
TX	7,500	6,500	5,000	1,200	748	675	17.20	14.10	25.40
US	31,200	29,900	26,500	5,241	5,131	4,520	14.40	12.10	18.10

¹ Preliminary.

National Agricultural Statistics Service.

Table 219.—Lettuce, commercial crop: Area, production, and value per hundredweight, by States, 1988-90

State	Area harvested			Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
AZ:									
Western	42,000	44,500	46,100	11,970	11,793	12,217	25.40	15.20	7.33
Other	7,000	6,400	4,400	1,575	1,088	1,100	11.00	10.60	11.70
CA	166,700	168,400	162,200	51,677	57,256	55,959	12.20	11.70	12.20
CO	2,300	2,600	3,400	644	728	1,020	10.70	13.10	12.40
FL	8,000	8,300	5,700	2,000	1,826	1,311	20.30	19.80	14.30
MI	800	1,100	900	140	209	207	18.90	20.40	22.30
NJ	2,600	2,100	2,400	442	294	324	11.60	15.40	12.30
NM	2,800	2,000	1,300	644	470	286	7.82	13.30	15.10
NY	2,600	2,400	2,600	468	492	520	14.60	14.50	15.60
OH	1,400	1,400	(²)	168	168	(²)	35.00	28.20	(²)
TX	1,800	2,400	500	396	468	46	22.10	16.20	6.77
WA	1,400	1,400	1,500	336	406	420	15.30	20.00	18.40
Total	239,400	243,000	231,000	70,460	75,198	73,410	14.70	12.60	11.50
HI	360	260	300	45	33	33	36.40	39.00	42.00
US	239,760	243,260	231,300	70,505	75,231	73,443	14.80	12.60	11.50

¹ Preliminary. ² Estimate discontinued.

National Agricultural Statistics Service.

Table 220.—Lettuce, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1976-90

Year	Area for harvest	Yield per acre	Production	Value ¹		Year	Area for harvest	Yield per acre	Production	Value ¹	
				Per cwt.	Total					Per cwt.	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1976	225,020	249	55,931	8.26	462,262	1983 ²	205,730	281	57,755	12.30	710,984
1977	231,380	259	59,929	6.94	415,951	1984	218,280	293	63,976	10.90	698,120
1978	239,090	252	60,275	9.90	596,908	1985	221,990	276	61,334	10.30	660,855
1979	245,850	249	61,310	9.20	564,113	1986	211,460	276	58,290	12.00	699,273
1980	236,460	268	63,297	8.91	564,064	1987	224,920	302	67,377	14.30	1,003,213
1981	223,840	280	62,649	10.90	681,612	1988	239,760	294	70,505	14.30	1,040,366
1982	216,050	291	62,949	12.10	762,846	1989	243,260	309	75,231	12.60	950,278
						1990 ³	231,300	318	73,443	11.50	846,973

¹ Price and value on f.o.b. basis. ² Due to program modifications, 1983 data are not comparable with 1982 and earlier or 1984 and later data. ³ Preliminary.
National Agricultural Statistics Service.

Table 221.—Onions, commercial crop: Area, yield, production, shrinkage and loss, value per hundredweight, total value, stocks, United States, 1976-90 ¹

Year	Stocks in storage Jan. 1 ²			Area for harvest	Yield per acre	Production ³	Shrinkage and loss	Value ⁴	
	In common storage	In cold storage	Total					Per cwt.	Total
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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				123,640	317	39,166	3,900	12.50	439,297
1984				128,450	335	43,068	3,870	10.60	415,196
1985				122,760	367	45,059	6,799	9.08	347,328
1986				115,540	377	43,615	4,176	11.10	439,239
1987				123,720	365	45,113	4,658	12.50	505,163
1988				128,950	362	46,733	4,272	9.75	413,996
1989				132,660	361	47,902	4,433	11.40	496,971
1990 ⁵				138,340	382	52,781	6,141	10.50	488,786

¹ Mostly for fresh market use, but includes some quantities used for processing. ² Grower and local dealer stocks discontinued after 1982. ³ 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. ⁴ Price and value on f.o.b. basis. ⁵ Preliminary.
National Agricultural Statistics Service.

Table 222.—Onions, commercial crop: Area, production, shrinkage and loss, and value per hundredweight, by States, 1988-90¹

Season and State	Area harvested			Production			Shrinkage and loss			Value per unit		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
Spring:												
AZ.....	1,200	1,100	1,000	450	446	475				7.55	8.56	10.50
CA.....	8,500	7,700	8,500	3,315	3,080	3,570				9.71	11.30	11.10
GA ³		4,700	5,600			635					27.20	32.40
TX.....	14,000	15,000	12,600	3,220	3,225	2,520				12.00	10.70	17.00
Total.....	23,700	28,500	27,700	6,985	7,386	7,657				10.60	12.20	16.00
Summer:												
Non-storage:												
NM.....	6,400	7,500	8,400	2,752	3,000	2,940				8.52	14.80	9.71
TX.....	4,100	4,000	5,100	861	1,040	1,377				11.40	18.30	10.50
WA.....	1,600	1,500	1,200	640	525	408				10.70	17.80	12.60
Non-storage total.....	12,100	13,000	14,700	4,253	4,565	4,725				9.43	15.90	10.20
Storage:												
CO.....	13,500	13,800	13,500	5,535	5,520	5,130	996	994	1,280	12.30	12.90	11.10
ID.....	7,600	7,400	7,600	4,023	3,996	4,446	538	643	850	10.50	11.70	9.52
MI.....	8,000	7,900	7,400	2,000	2,212	2,442	458	551	610	11.00	10.70	8.42
MN.....	600	670	540	126	161	208	16	19	20	9.58	7.25	5.87
NY.....	11,700	11,200	12,200	2,925	2,912	4,636	474	379	1,071	16.50	14.50	13.90
OH.....	550	490	500	165	191	198	17	23	18	16.00	14.40	11.20
OR (Malheur).....	10,100	9,800	10,000	5,353	5,292	5,850	715	852	1,106	10.50	11.70	9.52
OR (Other).....	3,600	3,500	3,500	1,296	1,418	1,365	246	238	250	10.70	12.80	10.60
UT.....	1,800	1,900	1,900	684	846	912	101	85	100	8.26	8.33	8.40
WA.....	5,600	6,200	6,800	2,520	2,790	2,992	400	410	539	9.40	11.20	8.62
WI.....	1,300	1,300	1,500	351	488	630	31	39	63	10.70	7.29	5.00
Storage total.....	64,350	64,160	65,440	24,983	25,826	28,809	3,992	4,233	5,907	11.50	12.00	10.20
CA⁴.....	28,800	27,000	30,500	10,512	10,125	11,590	280	200	234	5.69	7.54	7.49
Total summer.....	105,250	104,160	110,640	39,748	40,516	45,124	4,272	4,433	6,141	9.58	11.30	9.39
US.....	128,950	132,660	138,340	46,733	47,902	52,781	4,272	4,433	6,141	9.75	11.40	10.50

¹ Mostly for fresh market use, but includes some quantities used for processing. ² Preliminary. ³ Estimates begin with 1989 crop. ⁴ Primarily for processing.

National Agricultural Statistics Service.

Table 223.—Onions (fresh market): Foreign trade, United States, 1976-89

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.
1976.....	1,403	3,169	1981.....	1,581	3,822	1986.....	3,454	1,812
1977.....	1,345	1,941	1982.....	1,861	1,367	1987.....	4,204	1,934
1978.....	1,582	2,164	1983.....	2,414	2,056	1988.....	3,404	2,494
1979.....	1,304	1,851	1984.....	2,528	2,479	1989.....	3,858	2,372
1980.....	1,400	2,614	1985.....	2,501	1,178			

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, 1976-90

Year	Area harvested	Yield per acre	Production	Value ¹		Year	Area harvested	Yield per acre	Production	Value ¹	
				Per ton	Total					Per ton	Total
	<i>Acres</i>	<i>Tons</i> ²	<i>Tons</i>	<i>Dol-lars</i>	<i>1,000 dol-lars</i>		<i>Acres</i>	<i>Tons</i> ²	<i>Tons</i>	<i>Dol-lars</i>	<i>1,000 dol-lars</i>
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	577,810	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	290,300	1.51	439,530	224.00	98,576
1980	321,660	1.51	484,240	209.00	101,392	1988	283,900	1.10	313,140	234.00	73,166
1981	293,090	1.55	455,050	218.00	99,056	1989	316,500	1.59	504,660	238.00	119,963
1982	303,830	1.63	496,290	227.00	112,541	1990 ³	341,100	1.55	528,150	249.00	131,494
1983	308,800	1.38	425,740	217.00	92,189						

¹ Price and value at processing plant door. ² Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas. ³ Preliminary.
National Agricultural Statistics Service.

Table 225.—Peas, green (for processing), commercial crop: Area, production, and value per ton, States, 1988-90

State	Area harvested			Production ²			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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	7,700	8,100	8,800	11,780	9,560	15,840	180.00	233.00	267.00
MN	74,100	73,700	84,700	53,350	113,500	113,500	259.00	250.00	247.00
NY	9,700	10,600	10,000	11,640	16,960	17,600	290.00	285.00	292.00
OR	26,000	34,100	34,900	37,440	48,080	43,630	192.00	220.00	252.00
WA	48,200	55,700	57,900	90,130	99,150	94,380	237.00	262.00	253.00
WI	79,900	85,000	88,500	54,330	130,050	146,030	251.00	224.00	234.00
Other States ³	38,300	49,300	56,300	54,470	87,360	97,170	214.00	216.00	258.00
US	283,900	316,500	341,100	313,140	504,660	528,150	234.00	238.00	249.00

¹ Preliminary. ² Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas.
³ 1987—California, Idaho, Illinois, Iowa, Maine, Maryland, Michigan, New Jersey, and Pennsylvania. 1988—California, Idaho, Illinois, Maine, Maryland, Michigan, New Jersey, and Pennsylvania. 1989—California, Idaho, Illinois, Indiana, Iowa, Maine, Maryland, Michigan, New Jersey, and Pennsylvania.
National Agricultural Statistics Service.

Table 226.—Potatoes: Production, seed used, and disposition, United States, 1976-89

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>
1976	357,666	25,566	6,760	26,246	324,660
1977	355,384	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	24,120	7,242	31,045	316,844
1983	333,726	25,475	5,937	24,664	303,125
1984	362,039	27,159	5,701	30,057	326,281
1985	406,609	24,955	8,061	52,707	345,841
1986	361,743	25,770	6,248	28,355	327,140
1987	389,320	25,544	5,654	31,901	351,765
1988	356,438	25,973	5,810	25,067	325,561
1989 ¹	370,444	27,025	5,722	24,974	339,748

¹ Preliminary.
National Agricultural Statistics Service.

Table 227.—Potatoes: Area, yield, production, season average price, and value, United States, 1976-90

Year	Area planted	Area harvested	Yield per harvested acre	Production	Season average price per cwt. received by farmers ¹	Value of production
	1,000 acres	1,000 acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars
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.....	1,271.1	1,241.5	269	333,726	5.82	1,934,263
1984.....	1,333.7	1,297.8	279	362,039	5.69	2,042,298
1985.....	1,406.7	1,358.7	299	406,609	3.92	1,568,296
1986.....	1,256.6	1,220.2	296	361,743	5.03	1,810,330
1987.....	1,316.6	1,293.4	301	389,320	4.38	1,682,949
1988.....	1,284.7	1,259.3	283	356,438	6.02	2,143,971
1989.....	1,305.0	1,281.5	289	370,444	7.36	2,716,963
1990 ²	1,388.2	1,359.1	290	393,867	6.15	2,409,052

¹ Obtained by weighting State prices by quantity sold. ² Preliminary.
National Agricultural Statistics Service.

Table 228.—Potatoes: Area, production, and marketing year price per hundredweight received by farmers, by States, 1988-90

Season and State	Area harvested			Production			Price for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	Dollars	Dollars
Winter:									
CA.....	5.2	5.5	5.5	1,196	1,320	1,265	10.40	16.10	.....
FL.....	7.1	7.6	7.7	1,420	1,444	1,078	10.60	24.30	.....
Total.....	12.3	13.1	13.2	2,616	2,764	2,343	10.50	20.50	.....
Spring:									
AL.....	4.9	5.4	5.7	662	1,296	855	7.25	10.60	.....
AZ.....	5.3	5.8	6.9	1,246	1,827	1,794	9.35	8.30	.....
CA.....	19.6	21.0	22.5	7,546	7,875	8,438	8.90	11.00	.....
FL.....	26.5	28.0	28.7	6,228	5,460	6,888	4.50	11.90	.....
Hastings.....	2.5	7.0	8.3	525	1,400	1,826	5.95	20.70	.....
Other.....	.4	.3	(²)	20	27	(²)	13.00	13.00	.....
LA.....	14.4	15.6	16.2	2,736	2,184	3,240	5.35	8.45	.....
NC.....	6.2	5.8	6.8	1,147	783	1,122	6.95	6.60	.....
TX.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	79.8	88.9	95.1	20,110	20,852	24,163	6.83	11.20	.....
Summer:									
AL.....	7.7	7.5	6.8	693	1,275	1,088	6.85	11.50	.....
CA.....	5.9	6.1	5.6	1,918	2,196	1,848	12.40	18.70	.....
CO.....	6.1	6.7	6.9	1,861	2,144	1,932	5.40	6.00	.....
DE.....	8.4	7.2	8.2	1,806	1,152	2,009	9.35	12.50	.....
IL.....	3.2	3.3	3.1	736	858	837	5.05	6.05	.....
IA.....	1.7	1.5	1.0	289	263	160	5.70	6.15	.....
MD.....	2.3	1.8	1.8	460	315	324	7.65	10.20	.....
MI.....	9.0	10.0	11.5	1,620	2,300	2,375	6.10	8.20	.....
MN.....	5.7	6.3	6.1	1,482	1,890	1,830	6.90	7.95	.....
MO.....	.....	.....	5.8	.....	.....	957	.....	.....	.....
NE.....	2.3	2.3	2.7	690	598	702	6.65	8.70	.....
NJ.....	5.2	4.8	4.4	1,014	888	1,012	6.70	9.05	.....
NM.....	10.2	11.5	10.0	3,060	4,025	3,400	5.65	8.00	.....
NC.....	1.4	1.4	1.4	168	126	140	7.10	16.70	.....
TN.....	.9	.6	(²)	59	60	(²)	9.45	12.00	.....
TX.....	9.0	10.5	10.0	2,250	2,625	1,950	9.20	14.00	.....
VA.....	12.8	12.0	11.0	2,048	1,440	1,980	7.75	11.60	.....
Total.....	91.8	93.5	96.3	20,154	22,155	23,044	7.55	10.40	.....

See footnotes at end of table.

Table 228.—Potatoes: Area, production, and marketing year price per hundredweight received by farmers, by States, 1988-90—Continued

Season and State	Area harvested			Production			Price for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	Dollars	Dollars
Fall:									
CA.....	16.5	16.1	16.4	6,105	6,440	6,232	8.15	8.40	.....
CO.....	59.5	61.5	65.0	19,040	20,603	22,100	7.35	8.35	.....
CT.....	.6	.3	(²)	185	63	(²)	7.50	7.10	.....
ID:									
10 S.W. counties.....	18.0	17.0	20.0	7,200	6,715	7,900	5.40	7.10	.....
Other counties.....	329.0	336.0	373.0	95,410	95,760	104,440	.....	.....	.....
IN.....	4.2	4.0	3.9	756	960	858	6.30	8.10	.....
ME.....	80.0	80.0	76.0	22,000	22,000	20,520	7.30	7.55	.....
MA.....	2.6	2.5	2.6	572	600	650	7.70	8.35	.....
MI.....	34.0	30.0	33.0	7,820	7,350	9,240	7.55	8.25	.....
MN.....	69.0	66.0	68.0	12,075	13,860	14,280	6.20	5.80	.....
MT.....	7.7	8.1	8.9	2,156	2,228	2,492	7.75	8.25	.....
NE.....	7.6	7.9	9.3	2,128	2,528	2,837	7.75	7.75	.....
NV.....	8.0	8.0	7.0	2,480	2,600	2,345	5.55	8.70	.....
NY:									
Long Island.....	8.3	7.3	6.5	1,992	1,898	1,950	8.10	8.85	.....
Upstate.....	24.0	21.5	22.0	4,800	4,730	5,940	9.35	8.65	.....
ND.....	135.0	137.0	145.0	15,525	15,070	16,675	6.35	6.40	.....
OH.....	8.7	7.9	7.8	1,697	1,462	1,911	6.90	7.30	.....
OR:									
Malheur County.....	6.4	5.2	6.8	2,400	2,028	2,448	3.70	4.50	.....
Other counties.....	38.6	44.8	45.2	18,335	21,280	20,566	4.95	5.95	.....
PA.....	20.5	20.5	22.5	3,690	4,715	5,400	7.60	8.55	.....
RI.....	1.2	1.2	1.2	300	300	294	6.45	6.80	.....
SD.....	10.0	9.0	9.0	1,600	1,980	1,980	4.20	4.70	.....
UT.....	6.6	6.1	6.2	1,617	1,495	1,643	5.20	6.60	.....
WA.....	115.0	118.0	132.0	63,250	64,310	67,980	4.50	5.15	.....
WI.....	62.5	68.0	65.0	20,000	23,120	23,075	6.40	7.20	.....
WY.....	1.9	2.1	2.2	475	578	561	6.90	7.15	.....
Total.....	1,075.4	1,086.0	1,154.5	313,558	324,678	344,317	5.82	6.76	.....
US.....	1,259.3	1,281.5	1,359.1	356,438	370,444	393,867	6.02	7.36	.....

¹ Preliminary. ² Estimate discontinued.
National Agricultural Statistics Service.

Table 229.—Fall potatoes: Production and total stocks held by growers and local dealers, 15 ¹ States, 1976-90

Crop year	Production	Total stocks ¹					
		Dec. 1	Following year				
			Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
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	44,548
1981.....	287,710	193,610	164,380	137,820	111,780	82,270	50,760
1982.....	309,134	206,525	178,980	150,200	122,500	90,105	57,305
1983.....	294,679	192,150	165,330	138,900	112,730	81,740	50,365
1984.....	312,662	201,410	173,380	144,760	118,400	86,440	52,465
1985.....	353,638	235,475	202,800	171,510	138,720	104,540	65,380
1986.....	318,198	209,435	180,915	154,545	128,720	95,090	59,790
1987.....	344,998	225,890	196,760	167,325	138,800	105,905	70,030
1988.....	313,558	206,420	177,750	151,050	124,485	92,585	59,355
1989.....	324,673	202,050	173,550	144,290	116,600	84,320	50,675
1990 ²	344,317	217,300	186,160	154,310	126,030	91,910	54,400

¹ 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. ² Preliminary.
National Agricultural Statistics Service.

Table 230.—Fall potatoes: Total stocks held by growers and local dealers, 15 States, crop of 1989 and 1990¹

State	Crop of 1989						Crop of 1990 ¹					
	Dec. 1, 1989	Jan. 1, 1990	Feb. 1, 1990	Mar. 1, 1990	Apr. 1, 1990	May 1, 1990	Dec. 1, 1990	Jan. 1, 1991	Feb. 1, 1991	Mar. 1, 1991	Apr. 1, 1991	May 1, 1991
	<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.....	4,600	3,900	3,200	2,500	1,800	1,100	4,000	3,300	2,400	1,850	1,300	1,000
CO.....	15,650	13,750	11,700	9,850	7,600	5,600	16,200	14,000	11,400	9,300	6,900	4,800
ID.....	70,500	61,500	53,000	44,500	35,000	22,000	79,500	70,000	60,500	51,500	39,500	23,500
ME.....	16,000	13,600	10,900	8,500	5,400	2,800	14,900	12,900	10,100	7,700	4,700	2,000
MI.....	4,000	3,200	2,200	1,600	800	400	5,000	4,000	3,000	2,000	1,300	500
MN.....	8,900	7,500	6,300	4,800	3,400	1,600	10,200	9,000	8,000	6,800	5,000	3,000
MT.....	2,100	2,000	1,900	1,800	1,100	100	2,300	2,200	2,000	1,900	1,400	230
NE.....	1,450	1,200	900	650	340	170	1,850	1,550	1,150	900	470	210
NY:												
Long Island...	800	400	200	² 100	² 30	(²)	750	400	150	² 100	² 30	(²)
Upstate.....	2,300	1,700	1,300	900	500	² 255	2,900	2,100	1,500	1,100	400	² 160
ND.....	11,000	9,500	7,800	5,800	3,600	2,200	12,800	11,000	9,100	7,400	5,700	3,500
OH.....	350	200	90	(²)	(²)	(²)	400	260	110	(²)	(²)	(²)
OR.....	13,800	12,100	10,000	7,800	5,900	4,100	15,200	12,700	10,100	8,000	6,000	3,700
PA.....	2,900	2,200	1,600	1,100	750	250	2,550	2,050	1,600	1,080	610	250
WA.....	34,500	30,400	25,100	20,000	13,100	7,100	35,500	29,500	24,500	19,800	14,000	8,900
WI.....	13,200	10,400	8,100	6,700	5,000	3,000	13,250	11,200	8,700	6,600	4,600	2,650
15 State total.....	202,050	173,550	144,290	116,600	84,320	50,675	217,300	186,160	154,310	126,030	91,910	54,400

¹ Preliminary. ² Combined to prevent possible disclosure of individual operations.
National Agricultural Statistics Service.

Table 231.—Potatoes: Utilization, United States, crop years 1982-89

Item	1982	1983	1984	1985	1986	1987	1988	1989 ¹
SALES	<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.....	120,232	107,295	113,187	125,006	109,331	129,648	108,348	113,015
For processing:								
Chips and shoestring.....	40,650	43,311	42,339	42,217	45,814	40,540	44,539	44,166
Dehydration.....	27,720	26,754	27,845	29,958	28,445	30,824	28,786	32,187
Frozen french fries.....	76,013	74,350	87,350	94,741	96,244	102,623	95,466	100,459
Other frozen products.....	17,290	19,655	20,322	17,856	15,708	16,561	17,558	19,115
Canned potatoes.....	2,743	2,137	2,589	2,971	2,790	2,958	2,941	2,962
Other canned products (hash, stews, soups).....	1,839	1,991	1,884	1,610	1,308	1,596	2,031	1,857
Starch and flour.....	4,636	3,028	3,401	3,489	2,808	2,184	1,416	899
Total.....	170,891	171,226	185,680	192,842	193,117	197,286	192,737	201,645
Other sales:								
Livestock feed.....	6,308	3,734	4,662	8,098	3,992	3,808	3,330	2,800
Seed.....	19,413	20,870	22,752	19,895	20,700	21,023	21,146	22,288
Total.....	25,721	24,604	27,414	27,993	24,692	24,831	24,476	25,088
Total sales.....	316,844	303,125	326,281	345,841	327,140	351,765	325,561	339,748
NON-SALES								
Seed used on farms where grown.....	4,707	4,605	4,407	5,060	5,070	4,521	4,827	4,737
Household use.....	2,535	1,332	1,294	3,001	1,178	1,183	983	984
Shrinkage and loss.....	31,045	24,664	30,057	52,707	28,355	31,901	25,067	24,975
Total non-sales.....	38,287	30,601	35,758	60,768	34,603	37,555	30,877	30,696
Total production.....	355,131	333,726	362,039	406,609	361,743	389,320	356,438	370,444

¹ Preliminary.
National Agricultural Statistics Service.

Table 232.—Potatoes: Production, seed used, and disposition, by seasonal groups, crop of 1989¹

Season and State	Production <i>1,000 cwt.</i>	Total used for seed <i>1,000 cwt.</i>	Used on farms where produced		Sold <i>1,000 cwt.</i>
			For seed, feed, and household use <i>1,000 cwt.</i>	Shrinkage and loss <i>1,000 cwt.</i>	
Winter:					
CA.....	1,320	121		66	1,254
FL.....	1,444	232		9	1,435
Total.....	2,764	353		75	2,689
Spring:					
AL.....	1,296	88	1	19	1,276
AZ.....	1,827	124	4	37	1,786
CA.....	7,875	495	14	158	7,703
FL:					
Hastings.....	5,460	725	1	22	5,437
Other.....	1,400	213		11	1,389
LA.....	27		2	1	24
NC.....	2,184	215	20	66	2,098
TX.....	783	86	20	78	685
Total.....	20,852	1,946	62	392	20,398
Summer:					
AL.....	1,275	106	13	64	1,198
CA.....	2,196	106	11	44	2,141
CO.....	2,144	151	4	90	2,050
DE.....	1,152	123	6	46	1,100
IL.....	858	72	12	21	825
IA.....	263	24	6	18	239
MD.....	315	25	6	9	297
MI.....	2,300	252	27	115	2,158
MN.....	1,890	118	4	81	1,805
NE.....	598	50	27	48	523
NJ.....	888	90	6	27	855
NM.....	4,025	260	28	237	3,760
NC.....	126	20	24	4	98
TN.....	60		5	4	51
TX.....	2,625	156	5	53	2,567
VA.....	1,440	149	1	50	1,389
Total.....	22,155	1,702	188	911	21,056
Fall:					
CA.....	6,440	295	27	474	5,939
CO.....	20,603	1,539	1,067	1,550	17,986
CN.....	63		1	2	60
ID.....	102,475	7,900	1,470	8,632	92,373
IN.....	960	84	12	51	897
ME.....	22,000	1,701	600	1,650	19,750
MA.....	600	51	2	20	578
MI.....	7,350	700	150	590	6,610
MN.....	13,860	1,173	500	885	12,475
MT.....	2,228	189	115	89	2,024
NE.....	2,528	216	147	215	2,166
NV.....	2,600	140		312	2,288
NY:					
Long Island.....	1,898	133	4	44	1,850
Upstate.....	4,730	484	120	215	4,395
ND.....	15,070	2,175	375	1,435	13,260
OH.....	1,462	168	12	60	1,390
OR:					
Malheur County.....	2,028	154	10	95	1,923
Other counties.....	21,280	1,012	170	2,030	19,080
PA.....	4,715	437	71	165	4,479
RI.....	300	29	1	10	289
SD.....	1,980	160	30	90	1,860
UT.....	1,495	156	51	136	1,308
WA.....	64,310	2,838	300	4,100	59,910
WI.....	23,120	1,242	231	694	22,195
WY.....	578	48	6	52	520
Total.....	324,673	23,024	5,472	23,596	295,605
US.....	370,444	27,025	5,722	24,974	339,748

¹ Preliminary.

National Agricultural Statistics Service.

Table 233.—Potatoes,¹ white: United States exports by country of destination and imports by country of origin, 1987-89

Item and country	Year beginning October			Item and country	Year beginning October		
	1987	1988	1989		1987	1988	1989
EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Netherlands Antilles	96	235	257
Sweden.....	19	127	0	Trinidad and Tobago	0	0	92
United Kingdom.....	0	15	66	Total²	1,012	2,163	1,881
Other countries.....	18	0	0	Other countries:			
Total²	37	142	66	Canada ³	31,070	106,242	136,188
Latin America:				Hong Kong.....	540	450	328
Mexico.....	2,140	7,839	4,925	Saudi Arabia.....	0	32	0
Other countries.....	25	106	193	Singapore.....	228	262	139
Total²	2,165	7,945	5,118	Other countries.....	191	711	228
Bermuda and Caribbean:				Total²	32,029	107,697	136,883
Bahamas.....	629	852	556	Grand total²	35,243	117,947	143,948
Barbados.....	89	745	282	IMPORTS			
Bermuda.....	56	23	67	Certified seed:			
Cayman Islands.....	0	0	0	Canada.....	2,585	66,958	91,589
Dominican Republic.....	123	61	113	Other potatoes:			
Jamaica.....	0	65	218	Canada.....	44,700	168,544	213,223
Leeward and Windward Islands.....	19	182	296				

¹ Includes seed potatoes. ² Totals may not add due to rounding. ³ 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 (fresh): Foreign trade, United States, 1976-89

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>
1976	806	11,617	1981	3,214	2,581	1986	2,283	1,142
1977	955	3,630	1982	2,741	1,932	1987	3,948	783
1978	703	3,025	1983	3,874	1,731	1988	5,340	2,243
1979	1,141	2,356	1984	2,278	1,354	1989	4,988	2,570
1980	2,412	2,459	1985	3,728	830			

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

Table 235.—Sweetpotatoes: Area, yield, production, season average price per hundredweight received by farmers, and value, United States, 1976-90

Year	Area harvested	Yield per acre	Production	Price ¹	Value of production	Year	Area harvested	Yield per acre	Production	Price ¹	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>
1976	114.8	116	13,273	7.50	99,054	1984	102.9	125	12,902	14.00	181,006
1977	107.1	111	11,885	10.50	124,859	1985	103.3	141	14,573	8.81	127,836
1978	112.2	117	13,115	10.60	139,226	1986	90.8	136	12,368	11.00	134,435
1979	114.2	117	13,370	8.92	119,093	1987	88.9	131	11,611	11.60	133,512
1980	102.2	107	10,953	13.60	148,359	1988	85.5	128	10,945	12.90	141,202
1981	109.8	117	12,799	13.60	174,748	1989	86.0	132	11,358	16.40	186,279
1982	115.4	129	14,833	8.03	118,864	1990 ²	90.4	144	13,020	10.70	139,390
1983	102.4	118	12,083	13.60	163,265						

¹ Obtained by weighting State prices by quantity sold. ² Preliminary.

National Agricultural Statistics Service.

Table 236.—Taro: Area, yield, production, price, and value, Hawaii, 1976-90

Year	Area harvested ¹	Yield per acre	Production	Price per pound	Value of production	Year	Area harvested ¹	Yield per acre	Production	Price per pound	Value of production
	Acres	1,000 pounds	1,000 pounds	Dollars	1,000 dollars		Acres	1,000 pounds	1,000 pounds	Dollars	1,000 dollars
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	6,390	.231	1,462
1979	405	16.4	6,640	.164	1,089	1987	400	15.8	6,300	.266	1,676
1980	320	20.0	6,400	.200	1,280	1988	420	16.2	6,800	.280	1,904
1981	340	17.9	6,100	.214	1,305	1989 ²	430	15.1	6,500	.307	1,996
1982	350	18.5	6,460	.224	1,447	1990 ²	420	13.8	5,800	.390	2,262
1983	370	14.7	5,440	.226	1,229						

¹ Average during the year. ² Preliminary.

National Agricultural Statistics Service.

Table 237.—Sweetpotatoes: Area, production, and season average price per hundredweight received by farmers, by States, 1988-90

State	Area harvested			Production			Price for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	Dollars	Dollars
AL	4.1	3.9	4.9	472	468	637	16.10	19.30	14.00
CA	7.1	8.3	8.9	1,207	1,453	1,558	12.70	20.70	17.40
GA	4.5	4.8	4.7	720	816	846	15.00	14.90	11.00
LA	17.0	18.0	21.0	2,465	2,880	3,360	7.60	10.60	6.50
MD	.9	.5	.6	135	80	84	16.40	18.70	13.60
MS	3.5	3.0	3.5	350	285	420	15.10	11.20	8.20
NJ	2.3	2.1	2.1	173	168	273	19.00	23.10	16.50
NC	34.0	34.0	34.0	4,420	4,080	4,930	14.40	18.70	10.40
SC	3.0	3.0	3.5	300	330	385	13.00	15.80	10.90
TN	.8	.6	(²)	72	60	(²)	16.50	16.70	(²)
TX	7.4	7.0	6.2	518	630	372	16.40	19.80	18.00
VA	.9	.8	1.0	113	108	155	6.40	8.60	6.20
US	85.5	86.0	90.4	10,945	11,358	13,020	12.90	16.40	10.70

¹ Preliminary. ² Estimates discontinued.

National Agricultural Statistics Service.

Table 238.—Sweetpotatoes: Production, seed used, and disposition, United States, 1976-90

Year	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.
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	1,043	1,176	564	10,343
1984	12,902	1,043	1,245	527	11,130
1985	14,573	(¹)	(¹)	(¹)	(¹)
1986	12,368				
1987	11,611				
1988	10,945				
1989	11,358				
1990	13,020				

¹ 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, 1976-90

Year	For fresh market					For processing				
	Area for harvest	Yield per acre	Production ¹	Value ²		Area harvested	Yield per acre	Production ¹	Value ³	
				Per cwt.	Total				Per ton	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars	Acres	Tons	Tons	Dollars	1,000 dollars
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	28,292	22.50	524,823	812,030	23.49	7,329,510	67.60	495,476
1980	126,250	201	25,893	20.70	524,919	263,080	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	385,682
1982	119,690	224	26,769	22.50	603,080	295,300	24.72	7,298,990	71.60	522,422
1983	123,100	221	27,262	24.20	659,308	292,020	24.07	7,029,840	68.40	480,926
1984	122,580	230	28,163	25.60	721,508	291,870	26.32	7,681,160	67.40	517,488
1985	123,380	241	29,740	24.20	718,264	265,500	27.03	7,177,130	66.30	475,709
1986	125,710	249	31,361	25.10	788,424	252,330	29.32	7,398,470	63.90	472,927
1987	129,600	250	32,414	25.90	840,859	257,400	29.56	7,607,690	59.10	449,503
1988	139,700	257	35,855	27.10	972,366	274,920	26.95	7,409,920	60.70	449,797
1989	141,240	254	35,904	33.20	1,190,968	320,850	29.56	9,484,470	69.30	657,284
1990 ⁴	134,290	250	33,564	27.40	920,130	354,700	29.19	10,355,260	67.80	702,367

¹ For fresh market, excluding the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight); 44 in 1977. For processing, excluding 200,000 tons not marketed in 1976. ² Price and value of f.o.b. basis. ³ Price and value at processing plant door. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 240.—Tomatoes, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1988-90

Utilization and State	Area harvested			Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
FOR FRESH MARKET	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
AL	3,100	2,700	2,800	357	324	392	19.00	22.50	24.00
AR	1,100	1,000	1,000	319	140	245	43.50	35.40	35.20
CA	37,500	38,400	38,000	9,188	9,984	9,690	29.90	24.00	28.20
FL	58,000	60,200	50,800	18,850	18,361	15,240	25.20	40.30	27.20
GA	2,900	2,700	3,500	522	540	875	22.30	24.00	23.60
IN	1,100	1,400	1,400	165	217	210	30.00	27.00	31.50
LA	380	340	(*)	46	31	(*)	44.00	38.00	(*)
MD	2,500	2,600	2,700	338	325	392	33.00	24.60	36.60
MA	570	550	560	105	124	146	55.00	60.00	60.00
MI	2,400	2,500	2,500	204	250	300	34.00	25.20	20.70
NJ	5,200	5,100	5,000	406	434	575	32.50	31.00	29.10
NY	2,400	2,500	2,800	384	425	448	45.40	37.70	36.60
NC	1,400	1,300	1,400	210	247	301	20.70	15.40	19.00
OH	2,200	2,700	2,900	275	392	392	21.40	36.90	22.50
PA	4,900	4,000	4,700	686	800	611	20.70	21.40	19.90
SC	3,700	3,600	3,700	1,480	1,404	1,240	23.10	23.00	22.60
TN	3,900	3,600	4,300	702	504	860	28.00	25.00	24.00
TX	3,200	2,800	2,600	288	252	156	23.40	18.90	19.50
VA	3,000	3,000	3,400	1,260	1,095	1,445	32.10	36.40	29.90
Total	139,450	140,990	134,060	35,785	35,849	33,518	27.10	33.10	27.40
HI	250	250	230	70	55	46	48.50	55.40	65.00
US ²	139,700	141,240	134,290	35,855	35,904	35,564	27.10	33.20	27.40

See footnotes at end of table.

Table 240.—Tomatoes, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1988-90—Continued

Utilization and State	Area harvested			Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
FOR PROCESSING	<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	226,100	276,500	310,000	6,547,860	8,585,330	9,306,200	58.90	68.30	66.30
CO	680	190	150	12,340	3,610	2,390	72.70	95.00	98.00
DE	1,000	470	(*)	6,720	3,650	(*)	74.10	89.70	(*)
IN	7,500	7,800	7,600	156,150	157,560	193,040	80.90	79.00	84.30
MD	2,700	970	(*)	24,300	12,310	(*)	74.90	89.00	(*)
MI	5,200	5,400	5,700	112,320	132,840	169,860	68.20	72.80	75.50
NJ	3,300	3,000	3,300	41,910	31,590	57,020	75.00	88.60	96.30
NY	2,300	1,900	2,100	39,190	35,400	39,800	76.40	93.00	98.70
OH	17,700	17,500	17,100	359,310	391,300	434,510	71.60	77.20	76.60
PA	2,000	1,700	1,800	27,860	35,860	34,920	75.90	93.50	94.70
Other States ³	6,440	5,420	6,950	81,960	95,520	117,520	81.00	77.60	85.30
US	274,920	320,850	354,700	7,409,920	9,484,470	10,355,260	60.70	69.30	67.80
Grand total	414,620	462,090	488,990	9,202,670	11,279,670	12,033,460	155.00	164.00	135.00

¹ Preliminary. ² Due to program modifications, yearly data are only available. ³ 1987—Delaware, Florida, Illinois, Iowa, New Mexico, New York, North Carolina, South Carolina, Texas, Utah, and Virginia. 1988-89—Florida, Illinois, Iowa, South Carolina, Texas, and Virginia. ⁴ Estimate discontinued.

National Agricultural Statistics Service.

Table 241.—Tomatoes: Foreign trade, United States, 1976-89

Year beginning July	Imports			Domestic exports				
	Fresh	Canned ¹	Paste	Fresh	Canned ²	Catsup and sauces	Paste ²	Juice
	<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>
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	182,784	189,382	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	168,705	111,695	141,414	10,058	19,472	17,975	1,468
1987	767,546	173,323	100,634	156,373	8,408	27,881	21,286	1,626
1988	830,078	157,403	225,628	180,948	11,945	62,730	22,139	8,727
1989	905,428	119,090	163,196	212,575	10,369	96,043	47,650	12,493

¹ Includes "otherwise prepared," if any. ² Includes exports for military-civilian feeding abroad.

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

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Table 242.—Vegetables and melons: Arrivals at 4 markets, by commodities, 1990 ¹

Commodity	Baltimore ²			Boston ³			New York ³			Philadelphia		
	Rail, boat, and air	Motor-truck ⁴	Total	Rail, boat, and air	Motor-truck ⁴	Total	Rail, boat, and air	Motor-truck ⁴	Total	Rail, boat, and air	Motor-truck ⁴	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.....		10	10		14	14		26	26		6	6
Asparagus.....		43	43		60	60	22	64	86		47	47
Beans.....		90	90		127	127		142	142		69	69
Beets.....					21	21		29	29		6	6
Broccoli.....	37	209	246	275	191	466	404	143	547	227	167	394
Brussel sprouts.....		6	6		9	9		4	4		1	1
Cabbage.....		354	354	6	370	376	41	391	432	6	262	268
Carrots.....	76	199	275	526	271	797	703	226	929	276	159	435
Cauliflower.....	6	101	107	49	121	170	62	90	152	35	86	121
Celery.....	45	305	350	409	235	644	441	228	669	220	286	506
Chinese cabbage.....		29	29		36	36		26	26		19	19
Corn, sweet.....	18	226	244	20	283	303	73	155	228	38	157	195
Cucumbers.....		328	328	1	695	696	29	409	438		279	279
Eggplant.....		36	36		78	78		174	174		35	35
Escarole-endive.....		16	16		49	49	3	73	76		30	30
Garlic.....		6	6		12	12		70	70		8	8
Greens.....		98	98		114	114		288	288		95	95
Lettuce, iceberg.....	187	927	1,114	1,932	1,025	2,957	2,155	637	2,792	1,267	775	2,042
Lettuce, romaine.....		118	118	58	199	257	18	145	163	3	117	120
Lettuce, other.....		108	108	27	194	221		109	109		67	67
Mixed vegetables.....	19		19	5		5	36		36	4		4
Mushrooms.....		17	17	127		127		67	67		30	30
Okra.....							1	39	40		540	674
Onions, dry.....	105	535	640	244	783	1,027	506	555	1,061	134	23	24
Onions, green.....		46	46	6	63	69	24	46	70	1	15	15
Parsley.....		14	14		27	27		29	29		2	2
Peas, green.....					5	5		4	4		6	6
Peas, other.....		8	8		18	18	1	18	18		5	5
Peppers, bell.....		249	249	2	561	563	15	417	432	1	266	267
Peppers, other.....		4	4		18	18		66	66		4	4
Potatoes, table.....	158	1,217	1,375	921	2,250	3,171	2,113	1,213	3,326	577	1,070	1,647
Potatoes, chipper.....		125	125	47	41	88	20		20	1		1
Potatoes, seed.....		19	19		19	19	1		1		10	10
Pumpkins.....		33	33	6	59	65		27	27		25	25
Radishes.....		9	9		118	118		104	104		21	21
Spinach.....		111	111		390	390		214	214		66	66
Squash.....		104	104		108	108		165	165		62	62
Sweet potatoes.....		8	8	89	996	1,085	185	683	865	18	577	595
Tomatoes.....		33	33		80	80		29	29		40	40
Turnips-rutabagas.....		13	13		56	56		20	20		5	5
Vegetables, other.....												
Total.....	659	6,402	7,061	4,750	9,696	14,446	6,853	7,125	13,978	2,808	5,433	8,241
Melons:												
Cantaloups.....	23	364	387	183	367	550	183	367	550	70	321	391
Honeydews.....	16	160	176	88	178	266	88	178	266	17	120	137
Mixed and miscellaneous.....		7	7	15	27	42	15	27	42		11	11
Watermelons.....	60	490	550	659	338	997	659	338	997	73	377	450
Total.....	99	1,021	1,120	945	910	1,855	945	910	1,855	160	829	989
Grand total.....	758	7,423	8,181	5,695	10,606	16,301	7,798	8,035	15,833	2,968	6,262	9,230

¹ 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. ² Includes Washington. ³ Includes Newark. ⁴ 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.

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Table 243.—Vegetables and melons: Arrivals at 4 markets, by commodities, 1990 ¹

Commodity	Atlanta			Chicago			Los Angeles			San Francisco ²		
	Rail, boat, and air	Motor-truck ³	Total	Rail, boat, and air	Motor-truck ³	Total	Rail, boat, and air	Motor-truck ³	Total	Rail, boat, and air	Motor-truck ³	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.....				16	24	40		106	106		99	99
Asparagus.....	23	23			58	58	3	96	99		93	93
Beans.....	69	69			78	78		122	122		112	112
Beets.....					10	10		43	43		12	12
Broccoli.....	135	135		550	186	736		581	581		320	320
Brussel sprouts.....	2	2		1	6	7		34	34		18	18
Cabbage.....	396	396	13	428	441	537		718	718		297	297
Carrots.....	4	141	145	187	350	537		590	590		478	478
Cauliflower.....		67	67	95	166	261		295	295		144	144
Celery.....	1	137	138	569	381	950		1,209	1,209		334	334
Chinese cabbage.....		10	10		17	17		238	238		72	72
Corn, sweet.....		148	148		392	392		569	569		358	358
Cucumbers.....		145	145	4	378	382		698	698		300	300
Eggplant.....		3	3		30	30		133	133		76	76
Escarole-endive.....					19	19	9	33	42		12	12
Garlic.....					9	9	1	27	28		36	36
Greens.....	130	130			149	149		222	222		90	90
Lettuce, iceberg.....	896	896	405	1,271	1,676		2,266	2,266			934	934
Lettuce, romaine.....	47	47			63	63		337	337		242	242
Lettuce, other.....	57	57			70	70		315	315		317	317
Mixed vegetables.....				209		209						
Mushrooms.....		58	58		145	145		162	162		108	108
Okra.....		25	25		5	5		28	28		6	6
Onions, dry.....	65	880	945	105	985	1,090	14	2,176	2,190		943	943
Onions, green.....		32	32	15	53	68		141	141		145	145
Parsley.....		2	2		20	20		45	45		25	25
Peas.....								9	9		6	6
Peas, other.....		8	8				7	105	112		22	22
Peppers, bell.....		125	125	23	329	352	7	545	552	4	350	354
Peppers, other.....					31	31		314	314		37	37
Potatoes, table.....	388	1,306	1,694	1,266	2,336	3,602	171	5,330	5,501		1,761	1,761
Potatoes, chipper.....		222	222		185	185					496	496
Potatoes, seed.....												
Pumpkins.....		45	45		10	10					15	15
Radishes.....		13	13		33	33		190	190		87	87
Spinach.....		12	12		77	77		182	182		114	114
Squash.....		57	57		96	96		488	488		296	296
Sweet potatoes.....		113	113		191	191		92	92		130	130
Tomatoes.....		646	646	13	1,018	1,031	5	2,592	2,597		851	851
Tomatoes, cherry.....		26	26		35	35		114	114		55	55
Turnips-rutabagas.....		19	19		6	6		37	37		19	19
Vegetables, other.....							19	148	167		12	12
Total.....	458	5,995	6,453	3,471	9,640	13,111	236	21,330	21,566	4	9,822	9,826
Melons:												
Cantaloups.....		294	294	572	610	1,182		945	945		582	582
Honeydews.....		59	59	225	209	434		563	563		212	212
Mixed and miscellaneous.....				23	42	65		97	97		66	66
Watermelons.....		512	512	16	566	582		1,438	1,438		435	435
Total.....		865	865	836	1,427	2,263		3,043	3,043		1,295	1,295
Grand total.....	458	6,860	7,318	4,307	11,067	15,374	236	24,373	24,609	4	11,117	11,121

¹ 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 3 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. ² Includes Oakland. ³ Estimated percentages of completeness for reported truck arrivals for 1986 are as follows: Atlanta 85, Chicago 90, Los Angeles 90, and San Francisco 90.

Agricultural Marketing Service.

Table 244.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 1990 ¹

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>	<i>cwt.</i>
Vegetables:													
Artichokes.....	52	63	144	226	182	41	25	23	41	35	20	15	817
Asparagus.....	30	48	326	581	278	105	9	7	8	21	1		1,364
Beans.....	3	67	220	215	265	71			3	90	153	160	1,247
Beets.....		4	10	15	3							4	12
Broccoli.....	1,033	753	962	862	874	844	612	586	549	572	688	751	9,086
Cabbage.....	768	823	1,217	1,123	1,003	356	436	787	707	528	580	1,027	9,355
Carrots.....	1,591	1,352	1,788	1,779	1,736	1,703	1,465	1,101	1,010	1,203	1,313	1,209	17,250
Cauliflower.....	683	383	605	474	609	508	380	356	368	377	460	514	5,717
Celery.....	1,438	1,390	1,526	1,307	1,344	1,513	1,256	1,132	1,036	1,240	1,837	1,616	16,635
Chinese cabbage.....	20	22	30	14	7						3	24	120
Corn, sweet.....	7	2	325	966	2,258	2,247	794	516	237	220	151	174	7,897
Cucumbers.....	18	43	466	807	1,036	566	365	697	564	537	646	367	6,112
Eggplant.....	10	11	6	70	95	55	37	25	29	54	63	59	571
Escarole- endive.....	27	37	47	36	17					1	26	42	233
Greens.....	163	174	198	145	42	8				1	78	182	991
Lettuce, iceberg.....	4,910	4,485	4,931	5,057	5,376	5,007	4,836	4,923	4,234	5,145	4,802	4,114	57,820
Lettuce, romaine.....	410	371	305	329	425	306	306	332	282	337	458	469	4,330
Lettuce, other.....	679	596	662	601	682	777	541	503	758	628	601	835	7,863
Mixed vegetables.....	103	66	70	70	95	96	93	70	87	55	54	67	926
Okra.....	1	2	6	19	28	17	6	4	5	14	14	6	122
Onions, dry.....	2,729	2,552	1,459	1,986	2,743	2,707	2,600	2,557	2,782	3,277	3,234	2,955	31,581
Onions, green.....	25	18	20	17	33	58	74	80	62	69	35	24	515
Parsley.....	21	26	24	21	8					1	17	35	153
Peas, other.....	2	2	4	4	6	1	2			1	2	2	26
Peppers, bell.....	108	59	381	685	933	858	568	412	452	549	572	510	6,087
Peppers, other.....	19	11	55	76	82	40	14	6	4	10	41	82	440
Potatoes, table.....	9,632	8,213	9,008	7,861	9,191	9,000	7,748	8,113	8,091	8,849	9,335	8,855	103,896
Potatoes, chipper.....	1,428	1,188	1,474	2,524	4,313	3,098	1,400	1,067	1,436	1,536	1,513	1,676	22,653
Potatoes, seed.....	741	693	3,010	3,039	505	81				111	479		8,659
Radishes.....	93	102	129	126	131	26	9	8	7	52	94	101	878
Spinach.....	99	99	91	56	52	46	45	46	42	45	59	86	766
Squash.....	28	151	334	364	179	37	6	1	5	91	264	210	1,670
Sweet potatoes.....	268	254	288	332	208	184	151	76	320	485	982	582	4,130
Tomatoes.....	348	164	1,565	2,754	3,302	2,956	2,638	1,820	1,645	2,477	2,240	1,940	23,349
Tomatoes, cherry.....	6	2	23	56	95	80	74	26	12	38	55	47	514
Turnips- rutabagas.....	18	9	2	6	16	12	4		4	9	10	11	101
Vegetables, other ²		1											1
Total.....	27,511	24,236	31,768	34,553	38,102	33,404	26,494	25,274	24,780	28,547	30,516	29,238	354,423
Melons:													
Cantaloups.....				6	1,481	2,384	1,181	418	438	847	295	2	7,052
Honeydews.....		2	2	6	319	595	741	1,154	776	323	81		3,999
Mixed and miscellaneous.....					8	64	82	156	81	20	2		413
Watermelons.....				829	5,451	8,755	5,201	2,970	437	186	260	51	24,140
Total.....	2	2	841	7,259	11,798	7,205	4,698	1,732	1,376	638	53	35,604	
Grand total.....	27,511	24,238	31,770	35,394	45,361	45,202	33,699	29,972	26,512	29,923	31,154	29,291	390,027

¹ 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. ² Not otherwise specified.

Agricultural Marketing Service.

VEGETABLES AND MELONS, 1991

Table 245.—Vegetables (fresh), melons, potatoes, sweet potatoes. Per capita civilian utilization (farm-weight basis), United States, 1976-90 ¹

Year	Tomatoes	Asparagus	Broccoli	Carrots	Lettuce
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1976.....	12.6	0.4	1.1	6.4	24.2
1977.....	12.4	.3	1.2	5.3	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	.4	2.2	7.7	25.6
1983.....	13.7	.5	2.3	7.5	23.2
1984.....	15.3	.4	2.7	8.0	25.9
1985.....	16.1	.5	2.9	7.6	24.7
1986.....	17.2	.7	3.5	7.8	23.1
1987.....	17.0	.6	3.6	8.7	26.8
1988.....	17.9	.6	4.2	7.5	27.5
1989.....	18.0	.6	4.5	7.8	29.4
1990 ²	16.0	.6	3.5	8.0	27.7

Year	Cauliflower	Celery	Corn	Onions
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1976.....	1.0	7.4	8.0	13.1
1977.....	1.1	7.0	7.6	13.7
1978.....	.9	7.3	7.3	13.6
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	13.0
1982.....	1.6	7.8	7.1	15.7
1983.....	1.7	7.4	7.3	15.4
1984.....	2.2	7.5	7.6	16.2
1985.....	2.3	7.4	7.6	16.9
1986.....	2.7	7.0	7.2	17.2
1987.....	2.7	7.1	7.4	16.8
1988.....	2.6	7.6	6.7	18.1
1989.....	2.4	7.5	7.1	17.9
1990 ²	2.3	7.1	7.0	18.2

Year	Honeydew melons	Others ⁴	Total vegetables and melons	Potatoes ⁵	Sweet potatoes
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1976.....	1.1	1.4	76.7	49.4	5.3
1977.....	1.1	1.4	76.9	50.1	4.8
1978.....	1.6	1.5	78.0	46.1	5.0
1979.....	1.7	1.9	81.0	49.6	5.1
1980.....	1.5	1.8	82.4	51.1	4.5
1981.....	1.6	1.9	80.9	45.7	4.9
1982.....	2.0	1.9	85.4	46.8	5.5
1983.....	1.9	2.1	83.0	49.7	4.6
1984.....	1.9	1.9	89.6	48.8	5.0
1985.....	2.2	2.3	90.5	46.7	5.4
1986.....	2.6	1.9	90.9	49.4	4.4
1987.....	2.4	2.3	95.4	48.2	4.5
1988.....	2.5	2.2	97.4	49.5	4.1
1989.....	2.7	2.3	100.2	49.2	4.1
1990 ²	2.0	2.3	94.7	49.4	4.7

¹ 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. Consumption obtained by dividing the total apparent consumption by total July 1 population as reported by the Bureau of the Census. All data for calendar year. ² Preliminary. ³ Includes artichokes, garlic, and eggplant.

⁴ Includes table stock.

Economic Research Service.

Table 246.—Vegetables, canned: United States pack (24/303 basis) of selected items, 1976-90

Year	Aspara- gus	Beans, lima	Beans, snap	Beets	Carrots	Sweet corn	Peas, green	Pickles	Toma- toes ¹
	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
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	11,948	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	6,222	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	43,170
1985	3,097	1,966	55,503	9,386	4,787	55,729	29,306	77,776	37,485
1986	3,154	1,738	48,939	9,042	4,321	55,090	20,919	71,630	38,438
1987	3,361	1,326	56,081	12,127	5,249	59,117	23,057	71,170	44,634
1988	3,846	1,267	46,610	8,519	4,505	50,831	12,494	72,977	50,626
1989	3,060	1,586	59,753	9,175	n.a.	65,437	24,336	n.a.	n.a.
1990 ²	n.a.	n.a.	58,023	n.a.	n.a.	62,216	24,298	n.a.	n.a.

¹ Data does not include concentrated crushed tomatoes published by California League of Processed Foods. Starting in 1984. ² Preliminary. n.a. not available.

Economic Research Service. Compiled mainly from reports of the National Food Processors Association.

Table 247.—Vegetables, canning: Per capita utilization (farm weight), United States, 1976-90¹

Year	Aspara- gus	Snap beans	Carrots	Peas	Tomato prod- ucts ²
	Pounds	Pounds	Pounds	Pounds	Pounds
1976	0.5	4.9	1.0	2.9	65.7
1977	.4	4.9	1.0	3.0	62.8
1978	.4	4.8	.9	2.9	58.8
1979	.3	4.7	1.0	2.6	64.3
1980	.4	4.6	.9	2.7	63.6
1981	.4	4.7	.9	2.7	59.3
1982	.3	4.2	.8	2.5	60.1
1983	.3	4.1	.8	2.4	60.8
1984	.3	3.7	1.1	2.0	68.4
1985	.3	3.8	.9	2.0	63.1
1986	.3	3.8	.8	2.2	63.4
1987	.3	3.7	.8	2.0	64.7
1988	.3	3.8	.9	1.7	61.0
1989	.3	3.9	1.0	1.7	71.0
1990 ³	.3	3.7	.9	1.9	74.6

Year	Corn	Pickles	Total ⁴
	Pounds	Pounds	Pounds
1976	13.1	6.1	94.2
1977	14.1	5.9	92.1
1978	13.2	6.0	87.0
1979	12.5	5.9	91.3
1980	12.9	5.6	90.7
1981	12.1	5.5	85.6
1982	11.4	5.1	84.4
1983	11.5	5.1	85.0
1984	10.1	5.2	90.8
1985	11.7	5.8	87.6
1986	11.9	5.3	87.7
1987	10.5	5.1	87.1
1988	10.1	5.2	83.1
1989	9.3	5.1	92.3
1990 ³	10.7	5.2	97.3

¹ Excludes soups and baby food.

² Includes paste, catsup, chili sauce, puree, and tomatoes.

³ Preliminary.

⁴ Totals may not add due to rounding.

Economic Research Service.

Table 248.—Vegetables, frozen: Commercial pack, United States, 1981-90

Commodity	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
	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.....	1,693	1,419	1,075	1,643	1,202	1,417	1,451	1,052	1,542	1,326
Asparagus.....	11,289	16,958	13,599	15,099	19,990	18,008	16,725	18,055	19,741	17,737
Beans, butter.....	8,630	8,896		7,901	6,671	7,040	5,713	6,373	7,389	8,148
Beans, green, regular cut.....	160,020	190,658	162,699	158,413	179,349	170,694	159,027	145,187	237,853	221,768
Beans, green, French cut.....	78,639	82,485	78,825	81,355	82,544	63,892	67,297	65,138	73,682	85,994
Beans, green, wax.....	9,227	8,283	7,387	8,487	10,034	5,386	4,379	5,465	7,665	9,311
Beans, green, Italian.....	15,443	20,355	19,954	22,665	24,511	25,430	24,819	20,519	29,712	27,160
Beans, whole.....	9,534	11,886	14,308	20,275	19,576	22,130	26,426	25,661	31,641	34,938
Beans, baby lima.....	67,484	91,781	85,162	82,985	84,567	71,644	75,399	82,347	103,648	132,976
Beans, lima, Fordhook.....	21,356	31,941	28,055	39,494	32,490	29,211	26,951	20,911	17,086	12,777
Broccoli.....	306,755	333,516	285,358	365,764	356,806	324,519	312,460	289,446	290,566	258,755
Brussels sprouts.....	62,162	52,980	41,354	50,449	44,735	37,990	45,660	49,787	46,557	38,482
Carrots.....	269,845	296,679	212,500	255,585	254,586	270,363	294,596	294,673	358,848	328,781
Cauliflower.....	105,161	111,644	100,541	102,106	94,617	89,120	77,758	78,762	109,822	80,081
Celery.....	11,762	12,764	13,497	17,062	15,839	18,729	21,640	24,817	31,029	38,451
Collards.....	16,051	18,031	9,440	12,968	15,708	19,454	17,930	15,204	17,855	20,676
Corn, cut.....	313,982	455,714	367,272	323,977	360,297	364,891	433,158	423,339	502,980	518,330
Corn-on-cob.....	305,390	378,629	293,947	349,666	423,326	391,954	406,859	345,869	436,301	450,490
Kale.....	4,788	4,727	2,894	3,335	5,167	4,175	4,792	2,862	4,208	4,196
Mushrooms.....	22,074	23,443	24,539	24,457	28,669	32,410	37,372	32,713	35,084	24,909
Mustard greens.....	13,011	8,516	7,998	8,508	11,222	11,768	11,556	9,266	12,329	10,027
Okra.....	43,774	54,339	46,038	54,579	51,815	73,160	70,472	65,708	60,005	64,748
Onions.....	159,874	182,344	139,637	156,482	142,008	185,458	185,191	198,916	208,762	78,331
Peas, blackeye.....	33,404	23,821	22,926	28,207	31,675	22,586	29,003	30,158	33,500	30,414
Peas, green.....	333,888	404,830	354,480	423,740	485,985	373,605	400,231	358,779	469,404	482,910
Peppers, green and red.....	16,147	12,940	24,523	25,586	20,922	22,958	23,043	29,673	30,735	36,585
Potato products.....	4,236,239	4,377,228	4,509,905	4,732,894	5,118,102	5,149,148	5,287,634	5,763,671	5,998,312	6,358,968
Pumpkin and cooked squash.....	37,806	24,897	17,759	15,824	20,734	22,319	30,393	23,870	21,538	22,445
Rhubarb.....	6,483	6,767	3,402	5,271	6,647	6,108	6,211	8,082	8,730	9,116
Spinach.....	183,646	150,667	143,205	171,249	174,802	157,119	171,208	172,849	159,891	211,784
Squash, summer.....	46,833	65,179	62,738	66,467	67,458	75,994	70,999	69,961	74,716	69,631
Sweet potatoes and yams.....	19,993	20,822	9,719	13,749	18,677	13,683	11,871	20,044	26,380	19,772
Turnip greens.....	13,020	9,799	11,925	10,299	14,446	14,371	17,205	17,003	17,024	17,972
Turnip greens with turnips.....	19,243	19,759	23,290	19,215	20,639	19,417	16,513	21,919	24,563	19,603
Miscellaneous vegetables.....	7,682	14,411	7,208	5,252	3,144	6,399	8,291	12,608	11,399	16,378
Total.....	6,972,328	7,531,198	7,153,705	7,681,008	8,248,960	8,122,548	8,400,233	8,750,687	9,520,497	9,763,970

Economic Research Service. Data from American Frozen Food Institute.

Table 249.—Vegetables, frozen: Commercial pack, by kinds and regions, United States, 1990

Commodity	East and South ¹	Midwest ²	West ³	Northwest ⁴	California	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Artichokes					1,326	1,326
Asparagus	⁹ 4,042		13,695			17,737
Beans, butter	⁶ 8,148					8,148
Beans, green, regular cut	66,889	65,041	89,838			221,768
Beans, green, French cut	40,025		45,969			85,994
Beans, wax		¹¹ 9,311				9,311
Beans, green, Italian		⁹ 5,585	21,575			27,160
Beans, whole	14,861		20,077			34,938
Beans, baby lima		45,179		21,533	66,264	132,976
Beans, lima, Fordhook			⁶ 12,777			12,777
Broccoli	⁹ 18,780				¹⁰ 239,975	258,755
Brussels sprouts			⁶ 38,482			38,482
Carrots	60,720	34,805	⁶ 233,256			328,781
Cauliflower				⁷ 22,470	57,611	80,081
Celery						¹² 38,451
Collards						¹² 20,676
Corn, cut		⁹ 177,554	340,776			518,330
Corn-on-cob	59,587	140,156	250,747			450,490
Kale						¹² 4,196
Mustard greens						¹² 10,027
Okra						¹² 64,748
Onions			78,331			78,331
Peas, blackeye						¹² 30,414
Peas, green	73,649	134,486		¹⁰ 274,775		482,910
Peppers, green and red	3,789		¹¹ 32,796			36,585
Potato products		⁹ 1,534,979		4,811,820	12,169	6,358,968
Pumpkins and cooked squash		⁸ 22,445				22,445
Rhubarb		⁸ 9,116				9,116
Spinach	⁹ 76,064				135,720	211,784
Squash, summer						¹² 69,631
Sweet potatoes and yams	19,772					19,772
Turnip greens	17,972					17,972
Miscellaneous vegetables						¹² 16,378
Turnip greens with turnips	19,603					19,603
Mushrooms						¹² 24,909

¹ 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. ² Illinois, Indiana, Michigan, Minnesota, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. ³ California, Colorado, Idaho, Montana, Oregon, Washington, and Wyoming. ⁴ Idaho, Oregon, and Washington. ⁵ East, Midwest, South, and California. ⁶ East, South, and West. ⁷ East, South, and Northwest. ⁸ East, South, Midwest, and West. ⁹ East, South, and Midwest. ¹⁰ Northwest and California. ¹¹ East, West, and Midwest. ¹² Regional packs not reported.

Economic Research Service. Data from American Frozen Food Institute.

Table 250.—Frozen vegetables and potato products: Cold-storage holdings end of month, United States, 1989 and 1990

Month	Total green beans		Total broccoli		Total carrots		Total sweet corn	
	1989	1990	1989	1990	1989	1990	1989	1990
	<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	119,449	177,110	53,233	116,129	166,347	194,195	374,472	401,684
February	99,720	149,802	65,455	123,830	151,741	180,216	314,692	338,204
March	73,778	124,896	78,257	138,544	147,028	168,110	245,687	295,838
April	57,434	106,506	80,795	164,389	133,061	158,097	188,376	244,493
May	40,918	96,501	103,372	181,561	123,300	143,283	136,634	191,568
June	38,204	85,694	116,303	196,395	114,264	138,266	93,628	139,146
July	104,744	156,221	128,770	210,118	106,894	125,585	60,805	111,171
August	211,443	287,056	151,140	204,656	93,432	122,481	210,452	307,911
September	283,175	330,800	135,751	192,088	90,276	126,815	483,020	676,920
October	258,051	301,270	127,356	162,166	130,373	182,680	568,963	699,124
November	231,991	273,872	120,234	136,046	211,158	232,814	511,018	633,718
December	207,702	253,184	106,004	113,014	208,500	224,533	462,414	579,399

Month	Total lima beans		Cauliflower		Spinach		Brussels sprouts	
	1989	1990	1989	1990	1989	1990	1989	1990
	<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	34,492	52,311	65,410	77,679	27,504	36,166	33,429	32,072
February	30,792	48,091	58,141	73,382	24,473	30,469	30,470	29,880
March	24,426	39,872	49,252	65,028	54,387	65,664	27,344	25,680
April	17,486	36,313	43,612	58,389	76,087	107,869	23,992	23,771
May	13,548	31,510	37,736	51,128	85,817	111,179	21,808	21,385
June	9,135	27,222	31,440	45,003	80,851	110,326	21,026	19,714
July	7,084	22,372	28,481	42,811	73,598	109,556	18,626	18,698
August	20,894	47,318	28,334	43,862	61,815	99,540	16,074	15,317
September	58,008	90,757	41,204	51,692	54,686	105,636	15,773	14,171
October	67,446	113,730	62,317	74,605	54,256	102,533	22,948	20,974
November	63,463	107,925	73,001	84,009	45,033	98,263	33,281	26,318
December	60,631	91,248	76,240	91,414	41,838	90,923	33,947	30,691

Month	Total onions		Green peas		Total frozen vegetables		Total frozen potatoes	
	1989	1990	1989	1990	1989	1990	1989	1990
	<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	33,313	38,725	133,165	197,410	1,475,678	1,778,136	927,447	932,728
February	36,867	36,748	114,540	165,302	1,318,569	1,588,909	944,319	993,842
March	34,585	35,695	80,480	119,773	1,161,640	1,450,234	947,256	1,041,954
April	34,721	33,230	74,844	107,616	1,068,674	1,397,673	968,664	1,058,912
May	40,848	30,769	62,448	98,956	1,002,194	1,321,074	986,661	1,060,693
June	36,854	32,014	133,084	218,958	1,022,314	1,404,030	961,528	977,585
July	42,315	35,950	284,476	413,403	1,245,233	1,696,248	739,899	763,506
August	38,311	33,886	325,896	437,365	1,578,852	2,073,913	611,328	688,130
September	44,068	31,988	327,649	417,208	1,979,305	2,545,393	734,230	852,547
October	43,846	33,325	300,740	362,312	2,155,482	2,586,733	878,746	995,646
November	42,072	34,941	265,944	315,518	2,081,035	2,466,661	937,990	997,630
December	39,648	34,421	232,114	282,118	1,956,785	2,303,101	917,349	975,754

National Agricultural Statistics Service.

Table 251.—Vegetables, freezing: Per capita utilization consumption (farm weight basis), United States, 1976-90

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>
1976.....	0.3	1.5	2.6	1.9	1.1
1977.....	.2	1.4	2.7	1.8	1.2
1978.....	.2	1.4	2.5	1.8	1.4
1979.....	.2	1.4	2.7	1.9	1.4
1980.....	.1	1.4	2.5	1.8	1.4
1981.....	.1	1.7	2.5	1.7	1.5
1982.....	.1	1.5	2.1	1.7	1.5
1983.....	.1	1.5	2.2	1.8	1.5
1984.....	.1	1.8	2.9	2.0	1.8
1985.....	.1	1.9	2.3	2.1	1.9
1986.....	.1	1.5	2.2	1.9	1.7
1987.....	.2	1.7	2.3	1.7	2.2
1988.....	.1	1.7	2.5	1.8	2.4
1989.....	.1	1.9	2.6	1.9	2.2
1990 ¹.....	.1	1.9	2.4	2.2	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>
1976.....	0.6	5.9	13.9	42.3	56.2
1977.....	.7	7.4	15.4	42.4	57.8
1978.....	.8	6.3	14.4	43.4	57.8
1979.....	.7	6.8	15.1	38.3	53.4
1980.....	.8	6.4	14.4	35.2	49.6
1981.....	.9	6.2	14.6	41.2	55.8
1982.....	.9	5.7	13.5	38.4	51.9
1983.....	.8	6.6	14.5	38.9	53.4
1984.....	.9	7.9	17.4	43.4	58.9
1985.....	.9	7.8	17.0	45.1	62.1
1986.....	.9	7.5	15.8	45.8	61.6
1987.....	.9	7.8	16.8	47.3	64.1
1988.....	.9	8.6	18.0	43.1	61.1
1989.....	.8	7.8	17.3	46.2	63.5
1990 ¹.....	.8	8.4	18.0	45.9	63.9

¹ Preliminary.
Economic Research Service.

Table 252.—Commercially produced vegetables: Per capita utilization, United States, 1976-90

Year	Farm weight equivalent					Percentage of annual total			
	Total fresh and processed	Fresh ¹	Processed ²			Fresh	Processed		
			Total	Canning	Freezing		Total	Canning	Freezing
<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	
1976.....	184.8	76.7	108.1	94.2	13.9	41.5	58.5	51.0	7.5
1977.....	184.4	76.9	107.5	92.1	15.4	41.7	58.3	49.9	8.4
1978.....	179.4	78.0	101.4	87.0	14.4	43.5	56.5	48.5	8.0
1979.....	187.4	81.0	106.4	91.3	15.1	43.2	56.8	48.7	8.1
1980.....	187.5	82.4	105.1	90.7	14.4	43.9	56.1	48.4	7.7
1981.....	181.1	80.9	100.2	85.6	14.6	44.7	55.3	47.3	8.1
1982.....	177.4	85.0	92.4	79.0	13.4	47.9	52.1	44.5	7.7
1983.....	176.5	82.5	94.0	79.6	14.4	46.7	53.3	45.1	8.2
1984.....	197.5	89.6	107.9	90.5	17.4	45.4	54.6	45.8	8.8
1985.....	195.1	90.5	104.6	87.6	17.0	46.4	53.6	44.9	8.7
1986.....	194.4	90.9	103.5	87.7	15.8	46.8	53.2	45.1	8.1
1987.....	199.3	95.4	103.9	87.1	16.8	47.9	52.1	43.7	8.4
1988.....	198.5	97.4	101.1	83.1	18.0	49.1	50.9	41.9	9.0
1989.....	209.8	100.2	109.6	92.3	17.3	47.8	52.2	44.0	8.2
1990 ³	210.0	94.7	115.3	97.3	18.0	45.1	54.9	46.3	8.6

¹ See table 245 for items included. Excludes melons.
² See tables 246 and 251 for items included. Data include canned and frozen potatoes and canned sweet potatoes.
³ Preliminary. n.a. not available.
 Economic Research Service.

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 marketing year 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, 1976–90

Year	Citrus fruits ¹	Major deciduous fruits ²	Miscellaneous fruits ^{3 4}	Planted nuts ⁵	Fruits and planted nuts
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
1976	1,178.6	1,665.9	138.0	455.1	3,437.6
1977	1,159.3	1,701.6	142.0	482.9	3,485.8
1978	1,142.0	1,619.4	222.5	520.7	3,504.6
1979	1,130.5	1,591.2	281.7	557.5	3,510.9
1980	1,143.0	1,607.5	242.4	563.1	3,556.0
1981	1,129.8	1,599.3	249.0	559.3	3,587.4
1982	1,124.3	1,640.3	200.7	579.1	3,544.4
1983	1,091.6	1,674.4	207.0	599.0	3,572.0
1984	1,007.9	1,703.8	209.7	623.8	3,545.2
1985	899.3	1,725.0	212.3	657.1	3,493.7
1986	818.9	1,727.7	215.8	669.5	3,481.9
1987	826.2	1,739.1	217.1	675.4	3,457.8
1988	832.9	1,748.4	217.4	686.3	3,485.0
1989	847.5	1,748.4	212.5	686.6	3,494.9
1990 ⁶	890.4	1,755.7	205.7	688.4	3,540.2

¹ Oranges, tangerines, lemons, grapefruit, lemons, limes, and tangelos. Area is for the year of harvest.

² Commercial apples, apricots, cherries, grapes, nectarines, peaches, pears, plums, and prunes. ³ Avocados, bananas, cranberries, dates, figs, kiwifruit (beginning 1980), olives, papayas, pineapples, and pomegranates.

⁴ Persimmons discontinued after 1977. ⁵ Almonds, hazelnuts (filberts), macadamia nuts, and walnuts. Pistachios

beginning 1977. ⁶ Preliminary.

National Agricultural Statistics Service.

Table 254.—Fruits: Production in tons, United States, 1976-90 ¹

Year	Apples, commercial crop ²	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
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	634	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	802	6,555	312	573	118	38	147
1983	4,189	928	774	5,521	259	674	93	34	61
1984	4,162	1,330	708	5,208	318	721	127	37	91
1985	3,957	1,074	745	5,616	276	648	131	33	96
1986	3,930	1,153	767	5,223	250	491	55	50	112
1987	5,371	1,191	938	5,267	395	977	114	52	68
1988	4,564	1,307	861	6,032	304	751	102	56	88
1989	4,981	1,167	917	5,931	325	1,031	120	48	123
1990 ³	4,848	1,103	964	5,660	261	743	122	46	131

Year	Oranges ⁴	Tangerines ⁴	Grapefruit ⁴	Lemons ⁴	Limes ⁴	Tangelos ⁴	Tem-ples ⁴	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
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	288	2,878	942	58	229	144	442	670
1983	9,519	291	2,465	950	75	171	211	448	722
1984	7,243	262	2,184	788	63	162	130	497	600
1985	6,719	193	2,266	967	72	162	146	511	565
1986	7,476	196	2,352	692	76	133	133	512	646
1987	7,697	228	2,586	1,087	63	180	153	559	692
1988	8,551	218	2,801	785	57	189	160	590	659
1989	8,949	239	2,844	759	55	171	169	571	580
1990 ³	7,745	164	1,978	706	72	132	63	629	575

Year	Avocados ⁵	Nectarines	Cranberries	Bananas	Kiwi-fruit	Dates	Papayas ⁶	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
1976	141	128	120	3	.....	22	25	2	9	27,369
1977	118	155	105	3	.....	25	32	(7)	10	27,854
1978	146	148	123	3	.....	22	45	(7)	10	27,337
1979	102	172	124	3	.....	21	30	(7)	13	27,345
1980	269	191	135	2	5	22	37	(7)	17	32,073
1981	183	182	130	3	7	22	47	(7)	17	28,471
1982	237	178	152	3	16	24	42	(7)	16	27,668
1983	274	185	149	2	14	17	38	(7)	20	28,084
1984	280	183	166	5	18	22	60	(7)	20	25,335
1985	189	210	174	4	22	22	48	(7)	19	24,872
1986	308	172	185	5	24	18	42	(7)	22	25,023
1987	209	191	170	6	29	19	53	(7)	19	28,314
1988	193	200	204	7	33	22	35	(7)	18	28,787
1989	189	200	187	6	40	22	37	(7)	18	29,630
1990 ³	145	211	172	6	39	24	34	(7)	(8)	26,573

¹ For some crops in certain years, production includes some quantities unharvested for economic reasons or excess cullage fruit. ² Estimates of the commercial crop refer to production in orchards of 100 or more bearing-age trees.

³ Preliminary. ⁴ Year harvest was complete. ⁵ Year of bloom. ⁶ Total production and yield were not estimated for the 1988 and 1989 crops. ⁷ Estimates discontinued after 1977 crop. ⁸ Estimates discontinued after 1989 crop.

National Agricultural Statistics Service.

Table 255.—Apples, commercial crop: ¹ Production and season average price per pound, by States, 1988-90

State	Total production			Utilized production			Price ³ for crop of—		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	<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>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AZ.....		34.0	64.0		34.0	61.0		0.074	0.080
AR.....	10.0	9.0	12.0	10.0	9.0	12.0	0.168	.188	.191
CA.....	630.0	675.0	780.0	630.0	675.0	780.0	.187	.150	.156
CO.....	65.0	70.0	35.0	65.0	68.0	33.0	.110	.096	.147
CT.....	38.0	24.0	33.0	38.0	23.0	31.0	.246	.243	.264
DE.....	19.0	15.0	17.0	19.0	15.0	17.0	.122	.113	.116
GA.....	33.0	25.0	22.0	32.0	24.0	21.0	.131	.140	.132
IA.....	135.0	158.0	165.0	135.0	158.0	165.0	.140	.079	.135
IL.....	85.0	91.0	60.0	82.0	37.0	58.0	.163	.130	.175
IN.....	56.0	64.0	57.0	51.0	63.0	56.0	.176	.187	.200
LA.....	9.5	11.5	9.5	8.9	10.8	8.7	.214	.208	.221
KS.....	12.0	13.0	8.0	9.5	11.3	6.8	.176	.209	.215
KY.....	11.0	16.0	9.0	9.5	12.0	8.0	.158	.180	.205
ME.....	94.0	69.0	88.0	90.0	68.0	84.0	.197	.211	.224
MD.....	54.0	37.0	33.0	52.0	37.0	33.0	.122	.112	.137
MA.....	88.0	78.0	85.0	85.0	74.0	81.0	.226	.218	.239
MI.....	830.0	950.0	750.0	830.0	950.0	750.0	.088	.082	.103
MN.....	14.0	31.0	20.0	12.5	27.5	19.2	.302	.278	.374
MO.....	56.0	55.0	41.0	54.0	54.0	41.0	.172	.136	.169
NH.....	57.0	41.0	48.0	55.0	41.0	48.0	.226	.231	.242
NJ.....	65.0	48.0	60.0	60.0	43.0	59.0	.120	.153	.130
NM.....	10.0	5.3	6.8	10.0	5.3	6.8	.195	.200	.179
NY.....	910.0	960.0	990.0	910.0	960.0	990.0	.108	.104	.129
NC.....	350.0	220.0	230.0	350.0	220.0	230.0	.080	.088	.102
OH.....	95.0	125.0	120.0	95.0	125.0	120.0	.177	.179	.174
OR.....	155.0	160.0	180.0	155.0	160.0	180.0	.119	.050	.112
PA.....	520.0	320.0	450.0	520.0	320.0	450.0	.092	.107	.148
RI.....	6.0	5.5	6.0	6.0	5.5	6.0	.246	.244	.258
SC.....	38.0	35.0	34.0	36.0	33.0	33.0	.121	.120	.127
TN.....	12.5	11.5	8.5	11.0	10.0	7.7	.156	.148	.179
UT.....	40.0	56.0	24.0	39.0	54.0	22.0	.125	.120	.188
VT.....	45.0	45.0	43.0	43.0	43.0	41.0	.184	.192	.213
VA.....	425.0	325.0	210.0	417.0	320.0	203.0	.111	.102	.101
WA.....	3,900.0	5,000.0	4,800.0	3,900.0	5,000.0	4,800.0	.130	.093	.162
WV.....	215.0	115.0	150.0	215.0	115.0	150.0	.095	.098	.096
WI.....	45.0	65.0	48.0	43.0	62.0	46.0	.212	.156	.250
US.....	9,128.0	9,962.8	9,696.8	9,078.4	9,917.4	9,658.2	.127	.104	.150

¹ In orchards of 100 or more bearing-age trees. ² Preliminary. ³ Fresh fruit prices are equivalent packing-house-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, 1976-90

Year	Apples, commercial crop ¹				Year	Apples, commercial crop ¹			
	Total production	Utilized production	Marketing year average price ²	Value		Total production	Utilized production	Marketing year average price ²	Value
	Million pounds	Million pounds	Cents per pound	1,000 dollars		Million pounds	Million pounds	Cents per pound	1,000 dollars
1976	6,472.2	6,466.9	9.1	586,473	1984	8,324.0	8,309.1	11.1	925,579
1977	6,739.6	6,710.0	10.6	708,631	1985	7,914.5	7,826.8	11.7	914,308
1978	7,596.9	7,544.0	10.4	781,350	1986	7,859.0	7,833.3	13.4	1,046,779
1979	8,126.1	8,101.2	10.9	881,237	1987	10,742.1	10,451.3	8.6	903,059
1980	8,818.4	8,800.4	8.7	761,335	1988	9,128.0	9,078.4	12.7	1,149,723
1981	7,739.6	7,692.9	11.1	851,132	1989	9,962.8	9,917.4	10.4	1,034,437
1982	8,122.0	8,110.2	10.0	808,944	1990 ³	9,696.8	9,658.2	15.0	1,448,674
1983	8,378.5	8,357.9	10.5	879,496					

¹ In orchards of 100 or more bearing-age trees. ² 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. ³ Preliminary.

National Agricultural Statistics Service.

Table 257.—Apples, fresh (dessert and cooking): Production in specified countries, 1987/88-1990/91 ¹

Continent and country	1987/88	1988/89	1989/90	1990/91 ²	Continent and country	1987/88	1988/89	1989/90	1990/91 ²
	<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>
North America:					Other Europe—				
Canada ³	505.9	500.7	536.7	490.0	Con.				
Mexico	615.4	624.3	473.9	493.2	Norway	46.4	52.0	69.0	50.4
United States ³	4,872.5	4,140.4	4,519.0	4,398.4	Sweden	70.6	90.0	100.8	70.0
Total	5,993.8	5,265.4	5,529.6	5,381.6	Switzerland	169.0	435.5	217.9	293.3
South America:					Turkey	1,680.0	1,950.0	1,800.0	1,900.0
Argentina	924.5	1,029.5	1,075.0	1,060.0	Yugoslavia	423.0	518.0	546.0	500.0
Chile	630.0	660.0	690.0	730.0	Total	3,659.3	4,472.0	3,947.8	4,018.0
Total	1,564.5	1,689.5	1,765.0	1,790.0	Total Europe	11,141.3	13,409.3	11,921.4	11,665.7
European Community:					Africa:				
Belgium and Luxembourg	236.3	271.6	322.4	259.9	South Africa	526.3	534.2	557.2	560.0
Denmark	46.5	90.2	90.0	95.0	Total	526.3	534.2	557.2	560.0
France	1,985.4	1,934.7	1,818.2	1,884.9	Asia:				
Germany, Fed.	1,077.4	2,467.0	1,726.5	1,797.6	Japan	997.9	1,042.0	1,045.0	1,069.0
Rep. of Greece	288.8	269.1	264.3	296.0	Taiwan	16.3	12.1	18.0	12.8
Italy	2,273.0	2,442.5	2,162.0	2,000.0	Total	1,014.2	1,054.1	1,063.0	1,081.8
Netherlands	340.0	383.0	417.0	431.0	Oceania:				
Spain	970.9	844.8	757.0	614.4	Australia	309.0	328.0	315.0	350.0
United Kingdom	263.7	234.4	416.2	268.9	New Zealand	382.8	359.5	403.9	416.0
Total EC	7,482.0	8,937.3	7,973.6	7,647.7	Total	691.8	687.5	718.9	766.0
Other Europe:					Total specified countries	20,921.9	22,640.0	21,555.1	21,245.1
Austria	205.9	295.7	255.1	254.3					
Hungary	1,064.4	1,130.8	959.0	950.0					

¹ May include some cider varieties in countries not reporting separately. ² Preliminary. ³ 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, 1976–90

Crop of—	Total production	Utilized production	Utilization of quantities sold				
			Fresh ¹	Processed (fresh basis)			
				Canned	Dried	Frozen	Other ²
<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>
1976	6,472.2	6,466.9	3,915.8	919.9	229.3	220.4	^a 1,181.5
1977	6,739.6	6,710.0	3,859.6	1,075.9	225.5	160.9	^a 1,388.1
1978	7,596.9	7,544.0	4,210.4	1,224.2	221.0	207.4	^a 1,681.0
1979	8,126.1	8,101.2	4,288.6	1,336.7	255.7	136.6	^a 2,083.6
1980	8,818.4	8,800.4	4,984.1	1,202.4	194.7	167.5	^a 2,301.7
1981	7,739.6	7,692.9	4,442.2	1,002.4	190.0	172.7	^a 1,885.6
1982	8,122.0	8,110.2	4,536.7	1,248.6	209.9	190.8	^a 1,924.2
1983	8,378.5	8,357.9	4,620.5	1,204.4	283.3	163.6	^a 2,080.1
1984	8,324.0	8,309.1	4,654.6	1,176.7	288.6	193.1	^a 1,991.1
1985	7,914.5	7,826.8	4,221.7	1,255.4	242.4	194.3	^a 1,913.0
1986	7,859.0	7,833.3	4,463.6	1,179.0	199.4	257.3	^a 1,734.0
1987	10,742.1	10,451.3	5,610.1	1,305.8	283.3	249.1	^a 3,002.5
1988	9,128.0	9,078.4	5,238.3	1,399.1	285.0	265.7	^a 1,890.3
1989	9,962.8	9,917.4	5,865.3	1,320.4	282.4	321.5	^a 2,127.8
1990 ^a	9,696.8	9,658.2	5,551.0	1,395.8	260.3	306.3	^a 2,144.8

¹ Includes "Home use." ² Mostly crushed for vinegar, cider, and juice. For some States, small quantities canned, dried, and frozen are included. ³ Includes the following quantities of juice and cider (million pounds): 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—1,888.8; 1985—1,839.1; 1986—1,643.1; 1987—2,928.8; 1988—1,823.6; 1989—2,071.1; and 1990—2,075.8. ⁴ Preliminary. National Agricultural Statistics Service.

Table 259.—Apples, commercial crop: Production and utilization, by States, crop of 1990 (preliminary)

State	Total production	Utilized production	Utilization					
			Fresh ¹	Processed (fresh basis)				
				Canned	Dried	Frozen	Juice and cider	Other ²
<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>	
CA	780	780	310	80	54	18	318	
MI	750	750	250	223		110	165	2
NY	990	990	520	256		58	135	21
OR	180	180	105				46	
PA	450	450	184	208		3	51	4
VA	210	203	63	91			24	5
WA	4,800	4,800	3,250	245			1,045	
WV	150	150	40	63.5		23	22.5	1
Other States ³	1,886.8	1,855.2	829	229.3	206.3	94.3	269.3	36
US	9,696.8	9,658.2	5,551.0	1,395.8	260.3	306.3	2,075.8	69

¹ Includes "Home use." ² Mostly vinegar, wine, and jam. ³ Arizona, 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, 1987/88—1989/90

Country	Year beginning July			Country	Year beginning July		
	1987/88	1988/89	1989/90		1987/88	1988/89	1989/90
EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Netherlands Antilles.....	1,130	1,208	1,197
Finland.....	8,631	7,593	5,401	Trinidad and Tobago.....	370	11	0
France.....	83	267	92	Other countries.....	106	134	2
Iceland.....	1,612	1,450	1,356	Total.....	3,715	3,516	5,041
Ireland.....	1,233	2,385	1,391	Other countries:			
Netherlands.....	9,265	2,728	5,592	Canada.....	41,099	51,541	66,618
Norway.....	7,165	6,455	2,940	Taiwan.....	73,641	46,040	67,484
Sweden.....	12,381	14,466	9,068	French Pacific Islands.....	517	452	529
United Kingdom.....	16,073	18,300	25,542	Hong Kong.....	4,083	27,258	40,556
Other countries.....	1,619	631	1,216	Indonesia.....	0	0	786
Total.....	58,062	54,275	52,598	Kuwait.....	380	418	1,016
Latin America:				Liberia.....	8	4	0
Brazil.....	370	211	134	Malaysia.....	10,068	6,829	4,723
Colombia.....	4,470	4,184	3,808	New Zealand.....	1,598	1,604	3,163
Costa Rica.....	1,871	1,421	2,838	Other Pacific Islands.....	0	24	131
El Salvador.....	125	363	631	Philippines.....	1,073	6,119	15,681
Guatemala.....	0	89	70	Saudi Arabia.....	17,381	10,093	17,012
Nicaragua.....	0	0	0	Singapore.....	13,297	11,350	12,284
Mexico.....	6,591	7,527	11,203	Thailand.....	4,380	8,916	13,128
Honduras.....	1,359	796	1,098	United Arab Emirates.....	9,128	3,703	8,597
Panama.....	2,641	1,936	2,445	Other countries.....	1,204	481	1,009
Surinam.....	0	0	6	Total.....	213,857	174,782	252,717
Venezuela.....	0	32	512	Grand total.....	293,211	249,238	333,322
Other countries.....	150	106	221	IMPORTS			
Total.....	17,577	16,665	22,966	Australia.....	591	0	183
Bermuda and Caribbean:				Canada.....	44,217	51,429	46,355
Bahamas.....	131	396	183	Chile.....	38,450	27,219	22,427
Barbados.....	26	18	411	France.....	31	1,238	1,754
Bermuda.....	116	269	955	New Zealand.....	26,666	21,383	26,917
Dominican Republic.....	1,178	906	1,543	South Africa.....	0	0	0
French West Indies.....	62	35	304	Other countries.....	10,563	14,366	8,840
Haiti.....	412	322	292	Total.....	120,518	116,135	106,476
Leeward and Windward Islands.....	184	217	174				

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

Table 261.—Apples: ¹ Foreign trade, United States, 1976-89

Year beginning October	Imports, fresh and dried, in terms of fresh	Domestic exports		Year beginning October	Imports, fresh and dried, in terms of fresh	Domestic exports	
		Fresh	Dried, in terms of fresh ¹			Fresh	Dried, in terms of fresh ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1976.....	55,720	123,670	4,544	1983.....	126,030	228,677	12,002
1977.....	63,647	142,360	8,210	1984.....	132,632	205,239	9,256
1978.....	78,452	154,780	7,272	1985.....	152,566	147,122	5,520
1979.....	71,182	237,409	5,520	1986.....	149,448	175,104	10,528
1980.....	76,831	311,288	7,592	1987.....	132,673	296,176	7,680
1981.....	128,295	269,223	8,348	1988.....	132,988	254,478	11,984
1982.....	98,732	261,802	16,062	1989.....	119,732	357,442	23,688

¹ Dried converted to terms of fresh apples on following basis; 1 pound dried is equivalent to 8 pounds fresh. No re-exports reported.

Economic Research Service. Commodity Economic Division.

Table 262.—Apricots: Production and value, United States, 1976-90¹

Year	Total production	Utilized production	Market year average price per ton ²	Value	Year	Total production	Utilized production	Market year average price per ton ²	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>
1976.....	154,500	128,350	200.00	25,689	1984.....	126,750	116,700	308.00	35,948
1977.....	147,300	141,300	210.00	29,671	1985.....	130,850	105,800	264.00	27,936
1978.....	126,200	126,200	249.00	31,364	1986.....	54,650	54,600	408.00	21,987
1979.....	144,200	144,200	269.00	38,718	1987.....	114,350	106,250	347.00	36,882
1980.....	129,000	129,000	291.00	37,505	1988.....	101,600	93,500	363.00	33,927
1981.....	89,400	89,380	311.00	27,765	1989.....	120,000	118,950	338.00	40,222
1982.....	118,200	118,060	324.00	38,287	1990 ³	122,450	120,440	342.00	41,225
1983.....	93,050	93,000	315.00	29,311					

¹ Production, price, and value for California, Utah, and Washington. ² Fresh fruit prices are equivalent packinghouse-door returns for California and Washington. Quantities processed are priced at the equivalent processing plant door level. ³ Preliminary.

National Agricultural Statistics Service.

Table 263.—Apricots: Production and marketing year average price per ton, by States, 1988-90

State	Total production			Utilized production			Price ² for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	95,000	118,000	115,000	87,000	117,000	113,000	340.00	323.00	326.00
UT.....	500	400	250	400	350	240	380.00	470.00	460.00
WA.....	6,100	1,600	7,200	6,100	1,600	7,200	682.00	1,400.00	596.00
Total.....	101,600	120,000	122,450	93,500	118,950	120,440	363.00	338.00	342.00

¹ Preliminary. ² 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, 1988-90

Continent and country	1988	1989	1990 ¹	Continent and country	1988	1989	1990 ¹
	<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.....	92.2	108.9	111.1	Yugoslavia.....	28.0	46.0	40.0
Total.....	92.2	108.9	111.1	Total.....	631.3	602.5	560.6
South America:				Africa:			
Argentina.....	23.0	16.6	16.5	South Africa.....	44.2	43.0	60.8
Chile.....	12.5	14.0	14.7	Total.....	44.2	43.0	60.8
Total.....	35.5	30.6	31.2	Oceania:			
Europe:				Australia.....	29.5	31.0	32.0
France.....	96.2	128.0	105.0	New Zealand.....	8.5	8.8	10.0
Greece.....	153.9	83.9	113.4	Total.....	38.0	39.8	42.0
Italy.....	195.8	189.0	181.5	Total specified countries...	841.2	824.8	805.7
Spain.....	157.4	155.6	120.7				

¹ 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,¹ 1976-90

Crop—	Total production	Utilized production	Utilization of quantities sold			
			Fresh ²	Processed (fresh basis)		
				Canned ³	Dried	Frozen
	Tons	Tons	Tons	Tons	Tons	Tons
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.....	93,050	93,000	9,750	44,050	28,200	11,000
1984.....	126,750	116,000	15,400	67,300	22,500	11,500
1985.....	130,850	105,800	19,350	61,450	13,000	12,000
1986.....	54,650	54,600	10,350	27,550	9,500	7,200
1987.....	114,350	106,250	15,950	53,600	23,600	13,100
1988.....	101,600	93,500	18,200	44,500	17,700	12,200
1989.....	120,000	118,950	15,750	67,000	25,000	11,000
1990 ⁴	122,450	120,440	24,740	64,000	20,000	11,000

¹ California, Utah, and Washington. ² Includes "Home use." ³ Includes some quantities frozen or otherwise processed. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 266.—Apricots: Production and utilization, by States, crop of 1990 (preliminary)

State	Total production	Utilized production	Utilization			
			Fresh	Processed (fresh basis)		
				Canned ¹	Dried	Frozen
	Tons	Tons	Tons	Tons	Tons	Tons
CA.....	115,000	113,000	18,000	64,000	20,000	11,000
UT.....	250	240	(²)	(²)		
WA.....	7,200	7,200	(²)	(²)		
US.....	122,450	120,440	24,740	64,000	20,000	11,000

¹ Some quantities used for juice are included in "Canned" to avoid disclosure of individual operations.

² 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, 1976-89

Year beginning October	Domestic exports				
	Fresh	Canned ¹	Dried ¹	Dried, in fruit salad ²	Total, in terms of fresh ³
1976.....	1,807	1,091	1,056	200	9,043
1977.....	(*)	1,242	(*)	230	2,070
1978.....	(*)	2,249	(*)	173	2,503
1979.....	(*)	927	(*)	296	2,185
1980.....	(*)	1,499	(*)	331	2,777
1981.....	(*)	956	(*)	243	1,935
1982.....	(*)	1,012	(*)	211	1,811
1983.....	(*)	410	(*)	205	1,345
1984.....	(*)	342	(*)	243	1,494
1985.....	(*)	371	(*)	270	1,654
1986.....	(*)	387	(*)	228	1,450
1987.....	(*)	906	(*)	169	1,519
1988.....	3,447	884	774	366	9,939
1989.....	4,836	1,008	1,311	379	14,246

¹ Net processed weight. ² Dried apricots are 12½ percent of total dried fruit for salad. ³ 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. ⁴ Not available.

Economic Research Service, Commodity Economic Division.

Table 268.—Avocados: Production, marketing year average price per ton, and value, United States, 1976-77 to 1990-91

Season	California			Florida			California and Florida ³		
	Production ¹	Price ²	Value	Production ¹	Price ²	Value	Production ¹	Price ²	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>
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	16,658	236,700	463	109,578
1983-84	247,000	370	91,390	27,000	460	12,409	274,000	379	103,799
1984-85	200,000	582	116,400	29,500	390	11,496	229,500	557	127,896
1985-86	160,000	1,020	163,200	28,500	576	16,415	188,500	953	179,615
1986-87	278,000	338	93,964	24,700	412	10,176	302,700	344	104,140
1987-88	180,000	1,140	205,200	29,000	312	9,048	209,000	1,030	214,248
1988-89	165,000	1,260	207,900	27,000	436	11,772	192,000	1,140	219,672
1989-90	105,000	2,280	239,400	33,500	332	11,122	138,500	1,809	250,522
1990-91 ⁴	125,000	1,400	175,000	19,600	684	13,406	144,600	1,303	188,406

¹ Production is the quantity sold or utilized. ² Quantities processed are priced at the equivalent processing plant door level. ³ Season from Nov. 1 to Nov. 30 (following year) for California and June 20 to Feb. 28 for Florida. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 269.—Avocados: Foreign trade, United States, 1976-89

Year beginning October	Imports	Year beginning October	Imports	Year beginning October	Imports
	<i>Metric tons</i>		<i>Metric tons</i>		<i>Metric tons</i>
1976	1,994	1981	760	1986	4,171
1977	3,162	1982	936	1987	2,455
1978	1,725	1983	1,872	1988	4,523
1979	1,409	1984	3,107	1989	8,865
1980	1,351	1985	5,181		

Economic Research Service, Commodity Economic Division.

Table 270.—Bananas: Area, yield, production, marketing year average price, and value, Hawaii, 1976-90

Year	Area harvested	Yield per acre	Production	Price per pound	Value	Year	Area harvested	Yield per acre	Production	Price per pound	Value
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	1,070	10.7	11,400	29.7	3,386
1980	580	7.9	4,600	23.9	1,099	1988	1,070	12.3	13,200	33.0	4,356
1981	650	9.2	6,000	25.7	1,542	1989	1,000	11.9	11,900	36.5	4,344
1982	720	8.0	5,750	28.6	1,645	1990 ¹	930	12.2	11,300	38.0	4,294
1983	860	5.2	4,470	31.2	1,395						

¹ Preliminary.

National Agricultural Statistics Service.

Table 271.—Cherries: Production and value, United States, 1976-90

Year	All varieties			Sweet varieties			Tart varieties				
	Total production	Utilized production	Value	Total production	Utilized production	Marketing year average price per ton ¹	Value	Total production	Utilized production	Marketing year average price per pound ¹	Value
	Tons	Tons	1,000 dollars	Tons	Tons	Dollars	1,000 dollars	Million pounds	Million pounds	Cents	1,000 dollars
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	218.2	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	59,060
1982	312,050	287,060	128,765	156,600	134,610	699.00	134,610	310.9	244.9	14.1	34,645
1983	258,500	245,565	177,811	181,200	168,765	630.00	106,305	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	156,859	137,710	136,760	823.00	112,593	224.1	218.4	20.3	44,266
1987	394,500	356,020	181,653	215,000	213,020	748.00	159,296	359.0	286.0	7.8	22,357
1988	304,300	301,260	189,105	186,200	184,510	788.00	145,330	236.2	233.5	18.7	43,775
1989	325,500	312,430	171,473	193,450	190,930	713.00	136,125	264.1	243.0	14.5	35,348
1990 ²	261,130	233,800	155,224	156,730	132,350	896.00	118,589	208.8	202.9	18.1	36,635

¹ 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. ² Preliminary. National Agricultural Statistics Service.

Table 272.—Cherries: Production and season average price, by States, 1988-90

State	Total production			Utilized production			Price ² for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
SWEET VARIETIES									
CA	26,000	26,000	22,000	26,000	26,000	22,000	771.00	939.00	891.00
ID	2,300	2,700	2,000	2,200	2,500	1,600	935.00	761.00	1,080.00
MI	28,000	25,000	16,000	28,000	25,000	13,500	657.00	468.00	512.00
MT	3,300	(³)	280	1,900	(³)	150	548.00	(³)	1,670.00
NY	1,400	1,350	1,000	1,270	1,180	700	820.00	783.00	743.00
OR	60,000	52,000	48,000	60,000	50,000	40,000	647.00	551.00	651.00
PA	1,200	700	50	1,200	650	50	1,260.00	1,500.00	1,620.00
UT	2,000	1,700	1,400	1,940	1,600	1,350	776.00	800.00	645.00
WA	62,000	84,000	66,000	62,000	84,000	53,000	983.00	802.00	1,180.00
Total 9 States	186,200	193,450	156,730	184,510	190,930	132,350	788.00	713.00	896.00
TART VARIETIES									
CO	1.3	.5	1.0	.8	.4	.9	25.1	12.5	20.7
MI	180.0	180.0	160.0	180.0	170.0	160.0	18.3	14.9	18.5
NY	22.0	31.0	16.5	21.5	22.5	13.3	22.5	15.1	20.8
OR	4.0	15.0	7.5	4.0	15.0	7.5	19.5	15.0	13.2
PA	9.0	6.0	3.5	9.0	5.7	3.3	25.6	18.0	28.2
UT	11.0	24.0	15.5	9.6	22.5	13.5	19.0	12.1	14.1
WI	8.9	7.6	4.8	8.6	6.9	4.4	11.3	7.6	7.7
Total 7 States	236.2	264.1	208.8	233.5	243.0	202.9	18.7	14.5	18.1

¹ Preliminary. ² 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. ³ No significant commercial production due to frost. National Agricultural Statistics Service.

Table 273.—Cherries, fresh: Production in specified countries, 1988-90

Continent and country	1988	1989	1990 ¹	Continent and country	1988	1989	1990 ¹
	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.....	12.3	13.5	13.0	Italy.....	144.0	136.5	100.0
United States.....	276.1	295.3	236.9	Spain.....	42.9	61.8	42.6
Total.....	288.4	308.8	249.9	Yugoslavia.....			
South America:				Total.....	532.1	539.0	463.6
Chile.....	8.6	10.6	11.2	Asia:			
Total.....	8.6	10.6	11.2	Japan.....	18.4	14.5	16.0
Europe:				Total.....	18.4	14.5	16.0
France.....	77.4	99.0	74.0	Oceania:			
Germany, Fed. Rep. of.....	232.8	205.9	205.3	Australia.....	7.1	7.0	7.2
Greece.....	35.0	35.8	41.7	Total.....	7.1	7.0	7.2
				Total specified countries...	854.6	879.9	747.9

¹ 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: Production and utilization, by States, crop of 1990 (preliminary)

Variety and State	Total production	Utilized production	Utilization			
			Fresh ¹	Processed (fresh basis)		
				Canned and otherwise processed ²	Frozen	Brined
	Tons	Tons	Tons	Tons	Tons	Tons
SWEET VARIETIES						
CA.....	22,000	22,000	16,300			
MI.....	16,000	13,500	2,500	1,750	250	9,000
OR.....	48,000	40,000	11,000	5,800	3,700	19,500
WA.....	66,000	53,000	38,800	1,500	8,700	4,000
Other States ³	4,730	3,850	2,400		500	6,650
US.....	156,730	132,350	71,000	9,050	13,150	39,150
TART VARIETIES						
MI.....	80,000	80,000	1,500	30,000	46,000	2,500
Other States ⁴	24,000	21,450	1,050	5,550	13,950	950
US.....	104,000	101,450	2,550	35,550	59,950	3,450

¹ Includes "Home use." ² Sweet varieties include some quantities used for juice, wine, brandy, freezing, etc.; tart varieties include some quantities used for juice, jam, jelly, brining, etc. ³ Idaho, Montana, New York, Pennsylvania, and Utah. ⁴ Colorado, New York, Oregon, Pennsylvania, Utah, and Wisconsin.

National Agricultural Statistics Service.

Table 275.—Cherries: Production and utilization, United States,¹ 1976-90

Crop of—	Total production	Utilized production	Utilization of quantities sold			
			Fresh ²	Processed (fresh basis)		
				Canned ^{3 4}	Frozen	Brined
	Tons	Tons	Tons	Tons	Tons	Tons
SWEET VARIETIES						
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	21,200		45,800
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	68,320	17,900		50,540
1987	215,000	213,020	108,140	29,950		74,980
1988	186,200	184,510	87,230	29,660		67,620
1989	193,450	190,930	103,510	29,420		58,000
1990 ⁵	156,730	132,350	71,000	22,200		39,150
TART VARIETIES						
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	255.9	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	359.0	286.0	9.1	88.7	188.2	
1988	236.2	233.5	5.0	67.0	161.5	
1989	264.1	243.0	6.7	60.1	176.2	
1990 ⁵	208.8	202.9	5.0	78.0	119.9	

¹ California, Colorado, Idaho, Michigan, Montana, New York, Oregon, Pennsylvania, Utah, Washington, and Wisconsin. ² Includes "Home use." ³ For tart varieties, includes small quantities brined or used for juice, wine, preserves, and candied cherries. ⁴ Sweet varieties includes small quantities used for juice, wine, brandy, etc. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 276.—Cherries: Foreign trade, United States, 1976-89

Year beginning October	Imports		Domestic exports		Year beginning October	Imports		Domestic exports	
	Natural, sulfured, or in brine	Dried or preserved	Fresh	Canned		Natural, sulfured, or in brine	Dried or preserved	Fresh	Canned
1976	76	582	5,426	1,417	1983	1,675	550	7,937	1,767
1977	103	103	7,200	1,697	1984	2,629	1,078	7,103	1,576
1978	1,164	568	10,686	2,395	1985	4,541	1,924	11,438	2,452
1979	646	117	9,095	2,677	1986	2,047	723	23,918	2,640
1980	297	157	9,597	2,810	1987	3,488	455	25,899	2,293
1981	445	233	9,257	1,881	1988	2,420	1,020	27,066	2,207
1982	942	381	7,831	1,726	1989	1,837	1,712	22,652	2,383

Economic Research Service, Commodity Economic Division.

Table 277.—Citrus fruits: Production and value, United States, for season of 1976-77 to 1990-91

Season ¹	Production	Marketing year average returns per box ²	Value	Quantities processed ³	Production	Marketing year average returns per box ²	Value	Quantities processed ³
	1,000 boxes	Dollars	1,000 dollars	1,000 boxes	1,000 boxes	Dollars	1,000 dollars	1,000 boxes
1976-77	242,950	3.34	811,196	195,782	74,600	2.35	175,467	46,042
1977-78	220,120	5.45	1,198,657	175,549	74,660	2.54	189,692	44,382
1978-79	210,600	6.15	1,295,735	170,359	67,380	3.43	231,271	38,850
1979-80	273,630	4.85	1,328,054	218,880	73,200	4.13	302,190	44,719
1980-81	244,580	5.30	1,295,281	194,144	67,860	4.74	321,517	39,953
1981-82	176,690	6.53	1,167,301	130,230	70,550	3.24	227,592	41,786
1982-83	225,180	5.96	1,317,056	165,725	61,200	3.06	186,197	28,687
1983-84	169,440	7.68	1,303,885	121,410	53,840	4.09	220,196	27,999
1984-85	158,350	9.16	1,455,410	109,693	56,150	5.47	310,530	32,782
1985-86	175,440	6.18	1,090,428	120,945	57,870	5.87	341,957	30,550
1986-87	181,175	7.29	1,322,499	127,860	63,775	6.53	414,395	33,692
1987-88	200,250	8.52	1,773,681	146,729	68,700	7.01	478,588	35,505
1988-89	209,050	8.90	1,848,467	157,191	69,500	6.00	416,041	34,873
1989-90	184,415	7.98	1,468,899	129,571	49,300	7.49	371,897	26,686
1990-91 ⁵	180,050	9.15	1,671,990	150,356	55,500	6.90	380,764	24,690
	Lemons				Limes			
1976-77	26,000	3.56	92,500	12,910	1,000	11.61	11,610	486
1977-78	26,100	4.24	110,635	13,900	460	19.11	8,791	120
1978-79	19,600	6.87	134,561	7,630	720	16.16	11,637	239
1979-80	20,750	8.11	168,354	10,045	1,100	12.55	13,800	478
1980-81	31,300	4.83	151,174	19,910	1,200	11.10	13,325	503
1981-82	24,800	4.26	105,688	14,250	1,300	12.44	16,170	675
1982-83	25,000	4.37	109,298	13,535	1,700	13.09	22,255	725
1983-84	20,750	5.66	117,408	9,480	1,440	12.16	17,506	615
1984-85	25,450	6.61	168,276	13,850	1,640	12.13	19,901	615
1985-86	18,200	11.93	217,065	6,810	1,725	12.70	21,901	845
1986-87	28,600	6.37	182,171	16,255	1,450	13.50	19,569	600
1987-88	20,650	9.78	202,046	8,585	1,300	17.93	23,314	440
1988-89	20,000	11.75	234,955	7,720	1,250	17.18	21,474	300
1989-90	18,600	15.04	279,825	6,336	1,650	13.27	22,884	640
1990-91 ⁵	19,000	15.50	294,534	7,090	1,450	19.81	27,859	520
	Tangerines ⁶				Tangelos			
1976-77	5,770	5.56	32,104	1,753	4,800	2.77	13,296	2,505
1977-78	5,200	6.84	35,560	2,069	4,900	4.72	23,128	2,913
1978-79	5,400	8.07	43,572	2,309	4,200	5.55	23,327	2,479
1979-80	6,300	5.81	36,595	2,736	6,400	4.54	29,051	4,593
1980-81	5,560	6.45	35,850	2,495	4,900	5.70	27,943	2,844
1981-82	6,580	8.12	53,125	3,093	5,100	5.46	27,865	3,320
1982-83	6,850	8.48	56,457	2,654	3,800	6.34	24,102	1,922
1983-84	6,175	8.57	52,020	2,342	3,600	6.33	22,796	2,004
1984-85	4,620	14.42	65,554	1,630	3,600	9.54	34,354	2,132
1985-86	4,700	13.34	61,952	1,521	2,950	6.49	19,141	1,612
1986-87	5,470	12.89	69,720	1,651	4,000	6.16	24,626	2,690
1987-88	5,140	15.67	80,400	1,502	4,200	7.76	32,605	2,805
1988-89	5,590	14.92	83,075	1,956	3,800	8.26	31,392	2,452
1989-90	3,950	18.23	72,088	1,251	2,950	7.04	20,778	1,832
1990-91 ⁵	3,850	20.17	77,753	1,096	2,650	8.24	21,845	1,464
	Templets							
1976-77	3,800	3.39	12,882	2,616				
1977-78	4,900	5.35	26,215	2,851				
1978-79	4,700	6.49	30,510	2,565				
1979-80	6,000	4.57	27,439	3,216				
1980-81	3,600	6.00	21,595	2,493				
1981-82	3,200	5.89	18,862	2,362				
1982-83	4,700	5.97	28,056	3,137				
1983-84	2,900	7.41	21,489	2,138				
1984-85	3,250	8.07	26,225	2,624				
1985-86	2,950	5.44	16,052	2,037				
1986-87	3,400	6.03	20,513	2,347				
1987-88	3,550	7.87	27,940	2,258				
1988-89	3,750	7.43	27,844	2,881				
1989-90	1,400	7.62	10,668	1,261				
1990-91 ⁵	2,500	7.89	19,726	1,710				

¹ See footnote 1, table 278.² Equivalent returns per box at the intake packinghouse door for all methods of sale.³ 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.⁴ Includes small quantities of tangerines in Texas. Excludes Florida templets.⁵ Preliminary.⁶ Statistics for 1981-82 and after include honey tangerines grown in Florida.

Florida "All tangerines" include Sunburst tangerines beginning with the 1989-90 season.

National Agricultural Statistics Service.

Table 278.—Citrus fruits: Production and marketing year average returns per box, by States, 1988-89 to 1990-91

Crop and State	Production of crop for season ¹ of—			Price ³ of crop for season of—		
	1988-89	1989-90	1990-91 ²	1988-89	1989-90	1990-91 ²
ORANGES						
Early, midseason, and Navel varieties: ⁴	1,000 boxes	1,000 boxes	1,000 boxes	Dollars	Dollars	Dollars
AZ.....	550	390	550	11.87	10.76	14.16
CA.....	34,000	44,300	15,800	7.57	8.03	10.43
FL.....	85,300	68,100	87,500	8.54	7.86	7.84
TX.....	1,200	1,050	(⁶)	8.02	7.34	(⁶)
Total early, midseason, and Navel varieties ⁵	121,050	113,840	103,850	8.32	7.93	8.21
Valencia:						
AZ.....	1,150	1,220	1,200	7.14	7.91	20.40
CA.....	24,900	27,100	11,000	8.23	7.49	19.01
FL.....	61,300	42,100	64,000	10.26	8.38	9.06
TX.....	650	155	(⁶)	6.62	3.53	(⁶)
Total Valencia ⁵	88,000	70,575	76,200	9.69	8.06	10.44
All oranges:						
AZ.....	1,700	1,610	1,750	8.67	8.60	18.44
CA.....	58,900	71,400	26,800	7.85	7.82	13.95
FL.....	146,600	110,200	151,500	9.26	8.06	8.35
TX.....	1,850	1,205	(⁶)	7.53	6.85	(⁶)
US, all oranges ⁵	209,050	184,415	180,050	8.90	7.98	9.15
GRAPEFRUIT						
AZ.....	1,950	2,200	2,400	4.42	10.00	6.39
CA, all.....	8,000	9,400	8,000	6.21	8.01	5.90
Desert.....	3,500	3,500	3,500	4.66	9.09	5.98
Other areas.....	4,500	5,900	4,500	7.37	7.40	5.84
FL, all.....	54,750	35,700	45,100	6.08	7.29	7.06
Colored seedless.....	23,700	16,300	21,800	6.32	7.94	8.23
White seedless.....	27,700	18,000	21,700	5.97	6.85	6.07
Other.....	3,350	1,400	1,600	5.28	5.44	4.52
TX.....	4,800	2,000	(⁶)	5.23	7.08	(⁶)
US, all grapefruit ⁵	69,500	49,300	55,500	6.00	7.49	6.90
LEMONS						
AZ.....	3,800	2,800	4,100	9.06	14.23	11.98
CA.....	16,200	15,800	14,900	12.38	15.19	16.47
US, lemons ⁵	20,000	18,600	19,000	11.75	15.04	15.50
LIMES						
FL.....	1,250	1,650	1,450	17.18	13.87	19.21
TANGELOS						
FL.....	3,800	2,950	2,650	8.26	7.04	8.24
TANGERINES						
AZ.....	650	600	600	15.29	16.60	19.14
CA.....	2,040	1,650	1,300	14.08	19.06	20.95
FL.....	2,900	1,700	1,950	15.31	18.05	20.02
US, tangerines ⁵	5,590	3,950	3,850	14.92	18.23	20.17
TEMPLES						
FL.....	3,750	1,400	2,500	7.43	7.62	7.89

¹ 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. ² Preliminary. ³ Equivalent returns per box at the intake packinghouse-door for all methods of sale. ⁴ Navel and miscellaneous varieties in Arizona and California; early and midseason varieties in Florida and Texas, including small quantities of tangerines in Texas. ⁵ 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, 80 pounds; lemons—76 pounds; limes—88 pounds; tangelos—90 pounds; tangerines—Arizona and California, 75 pounds; Florida, 95 pounds; and temples—90 pounds. ⁶ No commercial production due to December 1989 freeze.

National Agricultural Statistics Service.

Table 279.—Citrus fruits: Production in specified countries, 1988-89 to 1990-91 ¹

Commodity and country	1988-89	1989-90	1990-91 ²	Commodity and country	1988-89	1989-90	1990-91 ²
	<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>
Oranges:				Grapefruit:			
Mexico.....	2,268	2,200	2,400	Mexico.....	75	100	118
United States ³	8,272	7,067	7,260	United States.....	2,580	1,797	2,048
Argentina.....	620	750	760	Argentina.....	155	190	180
Brazil.....	14,150	11,950	11,950	Brazil.....	25	25	25
Chile.....	115	115	116	Uruguay.....	8	23	25
Uruguay.....	70	82	85	Greece.....	6	7	7
Greece.....	770	932	819	Egypt.....	2	2	2
Egypt.....	1,199	1,397	1,400	Italy.....	7	8	8
Italy.....	2,170	2,071	1,850	Spain.....	22	22	20
Spain.....	2,216	2,400	2,565	Cyprus.....	115	118	106
Cyprus.....	170	223	192	Gaza Strip.....	14	12	9
Gaza Strip.....	98	160	104	Israel.....	353	394	365
Israel.....	546	877	600	Turkey.....	30	40	40
Japan.....	58	54	49	Morocco.....	4	4	4
Turkey.....	740	650	750	South Africa, Rep. of.....	185	111	135
Morocco.....	994	775	920	Australia.....	33	30	32
South Africa, Rep. of.....	629	697	685	Cuba.....	385	400	400
Australia.....	544	480	559				
Cuba.....	520	520	520	Total.....	3,949	3,283	3,524
Total.....	36,149	33,400	33,584				
Tangerines:				Lemons:			
Mexico.....	157	169	198	Mexico.....	9	9	5
United States ⁴	372	269	259	United States.....	689	640	617
Argentina.....	290	250	240	Argentina.....	350	380	430
Brazil ⁵	570	592	570	Brazil ⁵	54	53	53
Uruguay.....	37	49	50	Chile.....	85	74	76
Greece.....	69	75	74	Uruguay.....	54	51	55
Egypt.....	151	170	180	Greece.....	170	189	169
Italy.....	411	479	480	Egypt.....	2	2	2
Spain.....	1,260	1,084	1,510	Italy.....	708	667	641
Cyprus.....	11	12	14	Spain.....	733	690	610
Israel.....	90	127	70	Cyprus.....	63	66	59
Japan.....	2,387	2,375	1,988	Gaza Strip.....	13	13	7
Turkey.....	310	250	300	Israel.....	37	46	35
Morocco.....	420	223	325	Japan.....	2	2	2
Australia.....	40	43	46	Turkey.....	300	200	300
Cuba.....	26	30	30	Morocco.....	21	20	20
				South Africa, Rep. of.....	61	55	65
				Australia.....	32	31	31
Total.....	6,601	6,197	6,334	Total.....	3,383	3,188	3,177

¹ 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. ² Preliminary. ³ Includes temple oranges. ⁴ Includes tangelos. ⁵ 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, 1976-89

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> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹
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	2,337	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	(3)	(3)	4 9,802	650	(3)	(3)	4 650	4
1983.....	9,084	(3)	(3)	4 9,084	555	(3)	(3)	4 555	(2)
1984.....	7,425	(3)	(3)	4 7,425	615	(3)	(3)	4 615	1
1985.....	7,596	(3)	(3)	4 7,596	577	(3)	(3)	4 577	(2)
1986.....	8,122	(3)	(3)	4 8,122	533	(3)	(3)	4 533	(2)
1987.....	7,256	(3)	(3)	4 7,256	449	(3)	(3)	4 449	(2)
1988.....	8,164	(3)	(3)	4 8,164	424	(3)	(3)	4 424	(2)
1989.....	6,640	(3)	(3)	4 6,640	334	(3)	(3)	4 334	(2)

¹ Equivalent cases of 24 No. 2 cans. ² Pack data not available. ³ Not available. ⁴ Florida only. Economic Research Service. Commodity Economic Division.

Table 281.—Concentrated citrus juices: Annual packs, Florida, 1976-89

Season beginning December	Frozen concentrated juice ¹			
	Orange ²	Grapefruit	Tangerine	Blend
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
1976.....	158,035	11,258	926	18
1977.....	161,204	13,693	1,672	1
1978.....	173,100	14,243	1,384	3
1979.....	231,257	19,443	2,142	1
1980.....	174,537	20,763	1,199	3
1981.....	133,294	21,869	943	18
1982.....	169,577	14,483	505	1
1983.....	121,216	19,291	806	(3)
1984.....	118,472	24,802	797	(3)
1985.....	132,405	24,162	1,029	(3)
1986.....	145,056	28,875	373	(3)
1987.....	169,973	31,906	583	(3)
1988.....	174,717	32,466	495	10
1989.....	90,285	21,774	371	(3)

¹ Net pack. ² 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. ³ Not available. Economic Research Service. Commodity Economic Division.

Table 282.—Grapefruit sections and single-strength juice, canned: Annual pack by producing areas, 1976–89

Season	Sections, Florida	Juice (single-strength)				Total
		Florida	Texas	California and Arizona		
	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	<i>1,000 cases</i> ¹	
1976.....	1,722	18,809	5,867	3,013	27,689	
1977.....	1,753	17,246	4,690	4,443	26,379	
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	(2)	(2)	11,651	
1983.....	(2)	9,513	(2)	(2)	³ 9,513	
1984.....	(2)	10,552	(2)	(2)	³ 10,552	
1985.....	(2)	9,948	(2)	(2)	³ 9,948	
1986.....	(2)	8,982	(2)	(2)	³ 8,982	
1987.....	(2)	7,724	(2)	(2)	³ 7,724	
1988.....	(2)	7,956	(2)	(2)	³ 7,956	
1989.....	(2)	5,986	(2)	(2)	³ 5,986	

¹ Equivalent cases of 24 No. 2 cans. ² Not available. ³ Florida only.
 Economic Research Service. Commodity Economic Division.

Table 283.—Citrus juice: United States exports by kind, 1976/77–1989/90

Year beginning November	Orange juice			Grapefruit juice		
	Single strength	Concentrate		Single strength	Concentrate	
		Hot pack	Frozen		Hot pack	Frozen
	<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>
1976/77.....	10,472	3,635	32,550	5,445	310	1,988
1977/78.....	8,198			3,372		
1978/79.....	8,827			3,832		
1979/80.....	10,105			3,977		
1980/81.....	9,282	6,761	74,563	3,834	1,906	13,839
1981/82.....	7,678	7,028	63,291	3,119	1,637	13,652
1982/83.....	6,834	5,942	69,659	2,966	1,379	9,752
1983/84.....	5,356	4,324	65,716	1,756	1,532	12,259
1984/85.....	6,075	3,736	47,372	1,575	1,556	10,951
1985/86.....	3,534	3,479	37,377	1,482	2,197	8,970
1986/87.....	4,495	3,586	50,240	2,107	1,928	12,814
1987/88.....	7,560	4,356	54,121	2,716	2,148	19,102
1988/89.....	11,064	5,401	56,498	4,932	1,448	10,916
1989/90.....	863	8,217	78,416	6,377	74	9,114

Omitted data is misleading. Although reporting of concentrated juices was changed from concentrated to single-strength gallons in January 1978, some customs ports failed to switch recording methods until later. Frozen and hot pack exports from October 1980 onward are in single strength rather than concentrated equivalents.

U.S. export data to Canadian destinations prior to 1990 used in this chart are not accurate because late-night shipments were not recorded.

In 1989/90 the tariff code system was changed. Harmonized tariff code 2009190000 apparently includes both hot pack and single-strength orange juices, which are now both included only in the hot pack column.

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

Table 284.—Oranges, fresh: ¹ United States exports by country of destination, 1987-89

Country of destination	Year beginning November			Country of destination	Year beginning November		
	1987	1988	1989		1987	1988	1989
	<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.....	41	0	180
Belgium and Luxembourg..	287	34	164	Netherlands Antilles.....	39	102	100
Denmark.....	0	0	0	Other countries.....	5	80	70
France.....	91	320	81	Total.....	274	319	482
Germany, Fed. Rep. of.....	140	25	4	Other countries:			
Iceland.....	221	0	0	Australia.....	6,274	8,997	8,410
Netherlands.....	2,817	3,169	3,864	Canada.....	95,184	89,428	177,598
Norway.....	268	37	17	Taiwan.....	5,721	5,153	12,163
Sweden.....	604	935	122	French Pacific Islands.....	210	245	184
United Kingdom.....	646	655	1,191	Hong Kong.....	78,137	101,958	113,364
Other countries.....	224	382	40	Indonesia.....	0	0	180
Total.....	5,298	5,557	5,483	Japan.....	115,387	118,765	143,879
Latin America:				Korea, Rep. of.....	385	587	1,632
Mexico.....	2,464	1,449	1,362	Malaysia.....	9,138	10,568	8,886
Other countries.....	61	18	32	New Zealand.....	3,887	5,035	3,852
Total.....	2,525	1,467	1,394	Philippines.....	514	1,743	2,983
Bermuda and Caribbean:				Singapore.....	11,775	17,349	18,861
Bahamas.....	57	111	19	Other countries.....	58	158	286
Barbados.....	132	22	110	Total.....	326,670	359,986	492,228
Bermuda.....	0	4	3	Grand total.....	334,767	367,329	499,587

¹ 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, 1976-89

Year ¹	Oranges		Grapefruit		Lemons		Limes		Tangerines	
	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports	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>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
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	² 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	355,858	8,319	145,968	29,522	4,547	13,706	15,778
1987.....	22,183	335,091	5,084	462,138	6,800	140,839	40,843	2,839	14,954	14,712
1988.....	8,532	364,736	3,856	481,017	5,578	139,573	43,254	2,814	17,334	19,975
1989.....	12,082	490,088	4,525	301,182	10,518	132,675	44,077	4,055	11,907	6,118

¹ Year beginning October for all commodities. ² Beginning 1977, tangerines reported separately.

Economic Research Service. Commodity Economic Division.

Table 286.—Dates: Production, marketing year average price per ton, and value, California, 1976-90

Year	Production	Price ¹	Value	Year	Production	Price ¹	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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.....	19,400	872	16,917
1980.....	22,400	634	14,204	1988.....	22,000	896	19,712
1981.....	22,300	639	14,250	1989.....	22,000	1,040	22,880
1982.....	23,900	736	17,590	1990 ²	24,000	870	20,880
1983.....	17,000	638	10,846				

¹ Quantities processed are priced at the equivalent processing plant door level. ² Preliminary.
National Agricultural Statistics Service.

Table 287.—Dates: Foreign trade, United States, 1977-89

Year beginning October	Imports	Year beginning October	Imports	Year beginning October	Imports
	<i>Metric tons</i>		<i>Metric tons</i>		<i>Metric tons</i>
1977.....	16,542	1982.....	9,475	1987.....	5,593
1978.....	18,429	1983.....	10,314	1988.....	10,046
1979.....	12,905	1984.....	14,601	1989.....	9,314
1980.....	1,270	1985.....	2,833		
1981.....	5,163	1986.....	3,059		

Economic Research Service. Commodity Economic Division.

Table 288.—Cranberries: Area, yield, production, season average price per barrel, value and quantities processed, United States, 1976-90 ¹

Year	Area harvested	Yield per acre ²	Total production ³	Utilized production	Price ⁴	Value	Quantities processed ⁵
	<i>Acres</i>	<i>Barrels ⁶</i>	<i>Barrels ⁶</i>	<i>Barrels ⁶</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Barrels ⁶</i>
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.....	23,350	130.1	3,039,000	3,039,000	40.20	122,297	2,380,800
1983.....	24,050	124.2	2,986,000	2,986,000	44.80	133,830	2,588,300
1984.....	24,620	134.9	3,322,000	3,322,000	46.70	155,081	2,940,500
1985.....	25,700	135.6	3,485,000	3,485,000	46.30	161,439	3,093,200
1986.....	26,300	140.3	3,690,000	3,690,000	44.70	165,086	3,201,400
1987.....	26,700	127.0	3,391,000	3,391,000	44.50	150,906	3,030,000
1988.....	27,300	149.5	4,080,000	4,080,000	45.70	186,340	3,738,800
1989.....	27,500	136.3	3,747,000	3,747,000	44.00	164,720	3,407,500
1990 ⁷	27,800	123.6	3,436,000	3,436,000	44.50	152,830	3,196,800

¹ Estimates relate to Massachusetts, New Jersey, Oregon, Washington, and Wisconsin. ² Derived from total production. ³ 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. ⁴ Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production. ⁵ Mainly for canning. ⁶ Barrels of 100 pounds. ⁷ Preliminary.

National Agricultural Statistics Service.

Table 289.—Cranberries: Area, yield, production, and season average price per barrel, by States, 1988-90

State	Area harvested			Yield per acre			Total production			Price ² for crop of		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Acres	Acres	Acres	Bbl. ³	Bbl. ³	Bbl. ³	Bbl. ³	Bbl. ³	Bbl. ³	Dollars	Dollars	Dollars
MA	12,300	12,300	12,400	151.3	147.6	109.9	1,861,000	1,815,000	1,363,000	46.30	45.70	46.30
NJ	3,300	3,200	3,200	112.1	91.3	100.9	370,000	292,000	323,000	45.10	41.00	43.00
OR	1,300	1,400	1,400	113.5	131.4	150.0	154,000	184,000	210,000	44.90	42.80	42.70
WA	1,300	1,400	1,400	103.8	111.4	110.7	135,000	156,000	155,000	44.90	42.80	42.70
WI	9,100	9,200	9,400	171.4	141.3	147.3	1,560,000	1,300,000	1,385,000	45.20	42.50	43.50
US	27,300	27,500	27,800	149.5	136.3	123.6	4,080,000	3,747,000	3,436,000	45.70	44.00	44.50

¹ Preliminary. ² Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production. ³ Barrels of 100 pounds.

National Agricultural Statistics Service.

Table 290.—Figs: Production, marketing year average price per ton, and value, California, 1976-90

Year	Dried (dry basis)				Fresh and canned		Total		
	Production			Price	Production (fresh basis)	Price ¹	Production (fresh basis) ²	Price ¹	Value
	Total	Standard	Substandard						
	Tons	Tons	Tons	Dollars	Tons	Dollars	Tons	Dollars	1,000 dollars
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	n.a.	n.a.	37,700	278.00	10,498
1983	10,500	9,000	2,050	600.00	n.a.	n.a.	34,000	206.00	6,994
1984	11,500	9,800	1,700	836.00	n.a.	n.a.	36,500	288.00	10,508
1985	10,400	8,570	1,830	848.00	n.a.	n.a.	32,600	305.00	9,953
1986	16,200	12,450	3,750	806.00	n.a.	n.a.	50,000	283.00	14,173
1987	16,850	14,100	2,750	952.00	n.a.	n.a.	52,300	331.00	17,336
1988	18,000	15,850	2,150	1,010.00	n.a.	n.a.	55,500	352.00	19,530
1989	15,500	13,800	1,700	1,130.00	n.a.	n.a.	48,000	382.00	18,341
1990	14,800	12,400	2,400	907.00	n.a.	n.a.	46,000	328.00	15,082

¹ Quantities processed are priced at the equivalent processing plant door level. ² 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, 1976-89

Year beginning October	Imports for consumption	Domestic exports	Year beginning October	Imports for consumption	Domestic exports	Year beginning October	Imports for consumption	Domestic exports
1976	3,211	711	1981	2,068	1,241	1986	2,740	612
1977	3,368	1,310	1982	2,517	731	1987	2,941	773
1978	3,387	1,472	1983	2,745	995	1988	4,856	1,404
1979	1,975	1,645	1984	3,132	1,293	1989	5,437	2,243
1980	1,843	1,388	1985	3,367	735			

Economic Research Service, Commodity Economic Division.

Table 292.—Grapes: Production, value, and raisin production, United States, 1976-90

Year	Grapes				Raisins, production (California) ²	Year	Grapes				Raisins, production (California) ²
	Production (fresh basis)		Market year average price per ton ²	Value			Production (fresh basis)		Market year average price per ton ²	Value	
	Total ¹	Utilized ¹					Total ¹	Utilized ¹			
	1,000 tons	1,000 tons	Dollars	1,000 dollars	1,000 tons		1,000 tons	1,000 tons	Dollars	1,000 dollars	1,000 tons
1976 ⁴	4,398	4,093	155.00	635,570	283	1983 ⁴	5,521	5,376	199.00	1,067,245	396
1977 ⁴	4,298	4,296	194.00	835,299	248	1984 ⁴	5,208	5,183	190.00	984,324	335
1978 ⁴	4,567	4,318	233.00	1,005,794	229	1985 ⁴	5,616	5,616	172.00	965,378	346
1979 ⁴	4,989	4,989	286.00	1,179,238	302	1986 ⁴	5,228	5,227	226.00	1,183,242	277
1980 ⁴	5,595	5,595	240.00	1,341,092	309	1987 ⁴	5,267	5,253	259.00	1,358,728	356
1981 ⁴	4,458	4,458	297.00	1,323,513	256	1988 ⁴	6,034	6,032	266.00	1,607,098	363
1982 ⁴	6,555	5,865	232.00	1,358,872	292	1989 ⁴	5,931	5,930	314.00	1,862,848	430
						1990 ⁴ ^s	5,660	5,660	294.00	1,662,104	393

¹ Numbers rounded. ² 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. ³ Dried basis; 1 ton of raisins equivalent to about 4-5 tons of fresh grapes. Excludes table varieties dried.

⁴ 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, 1975-1,280 tons fresh equivalent; 1976-305,350 tons fresh equivalent; 1977-1,550 tons fresh equivalent; 1978-248,900 tons fresh equivalent; 1979-300 tons fresh equivalent; 1980-300 tons fresh equivalent; 1981-600 tons fresh equivalent; 1982-690,200 tons fresh equivalent; 1983-145,500 tons fresh equivalent; 1984-25,100 tons fresh equivalent; 1985-100 tons fresh equivalent; 1986-600 tons fresh equivalent; 1987-13,500 tons fresh equivalent; 1988-1,600 tons fresh equivalent; 1989-800 tons fresh equivalent. ^s Preliminary.

National Agricultural Statistics Service.

Table 293.—Grapes: Production and marketing year average price per ton, by States, 1988-90

State	Total production			Utilized production			Price ² for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
AZ.....	25,500	26,500	26,000	24,000	26,500	26,000	1,250.00	674.00	870.00
AR.....	7,000	6,500	5,100	7,000	5,900	5,000	300.00	319.00	327.00
CA:									
All varieties.....	5,520,000	5,390,000	5,185,000	5,520,000	5,390,000	5,185,000	263.00	314.00	289.00
Wine varieties.....	2,180,000	2,190,000	2,195,000	2,180,000	2,190,000	2,195,000	297.00	340.00	308.00
Table varieties.....	770,000	630,000	645,000	770,000	630,000	645,000	363.00	449.00	429.00
Raisin varieties ³	2,570,000	2,570,000	2,345,000	2,570,000	2,570,000	2,345,000	205.00	258.00	233.00
GA.....	2,500	2,800	2,900	2,500	2,700	2,900	911.00	781.00	777.00
MI.....	53,000	43,000	46,000	53,000	43,000	46,000	256.00	265.00	291.00
MO.....	3,250	3,600	1,300	3,250	3,600	1,300	311.00	348.00	354.00
NY.....	157,000	152,000	144,000	157,000	152,000	144,000	254.00	277.00	286.00
NC.....	3,300	1,700	1,500	3,200	1,700	1,500	330.00	406.00	533.00
OH.....	8,900	8,000	7,700	8,900	8,000	7,700	264.00	266.00	304.00
OR ⁴	7,750	7,450	7,000	7,750	7,450	7,000	610.00	740.00	780.00
PA.....	63,000	60,000	53,000	63,000	60,000	53,000	214.00	274.00	285.00
SC.....	500	300	400	500	200	380	394.00	810.00	803.00
WA.....	182,000	229,000	180,000	182,000	229,000	180,000	245.00	302.00	316.00
US.....	6,033,700	5,930,850	5,659,900	6,032,100	5,930,050	5,659,780	266.00	314.00	294.00

¹ Preliminary. ² 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. ³ Fresh equivalent of dried and not dried. ⁴ Oregon included beginning with 1988 crop.

National Agricultural Statistics Service.

Table 294.—Grapes: Production and utilization, United States, 1976-90

Crop of—	Total production	Utilized production	Utilization of quantities sold				
			Fresh ¹	Processed (fresh basis)			
				Canned	Dried	Crushed for wine	Crushed for juice, etc. ²
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
1976 ³	4,398,330	4,092,980	466,330	48,000	982,500	2,321,710	274,440
1977 ³	4,297,750	4,296,200	481,350	54,000	1,134,000	2,411,500	215,350
1978 ³	4,566,700	4,317,800	437,250	55,000	759,000	2,671,450	395,100
1979 ³	4,989,000	4,988,700	524,100	60,000	1,380,900	2,713,100	310,600
1980 ³	5,595,200	5,594,900	569,090	63,000	1,620,000	2,996,300	346,510
1981 ³	4,458,200	4,457,600	526,490	42,000	1,032,000	2,521,550	335,560
1982 ³	6,555,100	5,864,900	706,380	35,000	1,547,500	3,227,300	348,720
1983 ³	5,521,200	5,375,700	671,290	35,000	1,785,000	2,423,100	461,310
1984 ³	5,208,400	5,183,300	676,890	30,000	1,392,500	2,694,650	389,260
1985 ³	5,616,200	5,616,100	781,390	45,000	1,565,700	2,921,010	303,000
1986 ³	5,227,900	5,227,300	779,420	40,000	1,188,500	2,909,020	310,360
1987 ³	5,266,950	5,253,450	716,220	40,000	1,439,000	2,647,010	411,220
1988 ³	6,033,700	6,032,100	831,320	40,000	1,827,000	2,982,110	351,670
1989 ³	5,930,850	5,930,050	787,230	40,000	1,864,000	2,350,050	388,770
1990 ³ ⁴	5,659,900	5,659,780	848,980	40,000	1,747,100	2,697,980	325,720

¹ Includes "Home use." ² Mostly juice, but includes some quantities used for jam, jelly, etc. ³ 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: 1976—305,350 tons fresh equivalent; 1977—1,550 tons fresh equivalent; 1978—248,900 tons fresh equivalent; 1979—300 tons fresh equivalent; 1980—300 tons fresh equivalent; 1981—600 tons fresh equivalent; 1982—690,200 tons fresh equivalent; 1983—145,500 tons fresh equivalent; 1984—25,100 tons fresh equivalent; 1985—100 tons fresh equivalent; 1986—600 tons fresh equivalent; 1987—13,500 tons fresh equivalent; 1988—1,600 tons fresh equivalent; 1989—800 tons fresh equivalent. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 295.—Grapes: Production and utilization, by States, crop of 1990 (preliminary)

State	Total production	Utilized production	Utilization				
			Fresh ¹	Processed (fresh basis)			
				Canned	Dried ²	Crushed for—	
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	
AZ	26,000	26,000	19,200		6,100		
AR	5,100	5,000	1,000			1,000	3,000
CA:							
All varieties	5,185,000	5,185,000	821,000		1,741,000	2,583,000	
Wine varieties	2,195,000	2,195,000	50,000			2,145,000	
Table varieties	645,000	645,000	464,000		11,000	170,000	
Raisin varieties	2,345,000	2,345,000	307,000	40,000	1,730,000	268,000	
GA	2,900	2,900	1,700				
MI	46,000	46,000	800			2,200	43,000
MO	1,300	1,300	80			650	
NY	144,000	144,000	3,000			54,700	86,300
OH	7,700	7,700	200			900	6,600
OR	7,000	7,000				7,000	
PA	53,000	53,000	1,000			8,000	44,000
WA	180,000	180,000	200			38,000	141,800
Other States ⁴	1,900	1,880	800			2,530	1,020
US	5,659,900	5,659,780	848,980	40,000	1,747,100	2,697,980	325,720

¹ Includes "Home use." ² Equivalent raisins produced (dried basis): 430,000 tons. ³ Mostly juice, but includes some quantities used for jam, jelly, etc. ⁴ North Carolina and South Carolina.

National Agricultural Statistics Service.

Table 296.—Raisins and currants: United States exports by country of destination, 1987/88–1989/90

Country of destination	Year beginning September			Country of destination	Year beginning September		
	1987/88	1988/89	1989/90		1987/88	1988/89	1989/90
	<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:				Bermuda and Caribbean:			
Austria.....	23	12	36	Bahamas.....	64	63	65
Belgium and Luxembourg....	1,255	2,095	2,057	Bermuda.....	62	46	74
Denmark.....	6,905	5,490	5,580	Dominican Republic.....	128	222	194
Finland.....	2,189	2,868	2,150	Haiti.....	2	1	1
France.....	406	438	725	Jamaica.....	10	84	74
Germany, Fed. Rep. of.....	9,699	8,371	11,268	Netherlands Antilles.....	34	42	50
Iceland.....	170	158	97	Trinidad and Tobago.....	59	54	97
Ireland.....	119	270	353	Other countries.....	20	7	4
Netherlands.....	4,559	3,261	4,282	Total.....	379	519	559
Norway.....	2,098	2,488	3,148	Other countries:			
Sweden.....	4,631	5,728	6,099	Australia.....	252	48	83
Switzerland.....	508	428	422	Canada.....	4,458	4,836	8,221
United Kingdom.....	20,605	21,256	21,899	Hong Kong.....	607	833	752
Other countries.....	549	600	944	Indonesia.....	71	109	9
Total.....	53,716	53,463	59,060	Israel.....	993	464	365
Latin America:				Japan.....	25,186	21,422	19,316
Brazil.....	113	184	170	Korea, Rep. of.....	2,800	3,530	4,428
Colombia.....	98	107	76	Malaysia.....	1,092	1,097	1,217
Costa Rica.....	9	19	12	New Zealand.....	921	906	888
Ecuador.....	0	2	0	Philippines.....	382	277	373
El Salvador.....	7	3	47	Saudi Arabia.....	954	918	1,258
Guatemala.....	23	27	25	Singapore.....	1,221	1,228	1,809
Honduras.....	10	15	17	Taiwan.....	3,326	3,497	2,736
Mexico.....	41	304	1,236	Thailand.....	72	99	19
Panama.....	347	397	468	Other countries.....	423	286	416
Venezuela.....	859	439	181	Total.....	42,758	39,550	41,890
Other countries.....	7	55	4	Grand total.....	98,367	95,084	103,745
Total.....	1,514	1,552	2,236				

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

Table 297.—Grapes and raisins: Foreign trade, United States 1976–89

Year beginning October	Grapes		Raisin ¹		Year beginning October	Grapes		Raisin ¹	
	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>
1976.....	30,409	89,631	11,923	37,039	1983.....	145,649	111,165	2,737	56,495
1977.....	28,094	102,154	998	56,870	1984.....	194,068	88,135	675	65,728
1978.....	43,245	124,654	16,392	21,812	1985.....	202,592	102,859	4,451	82,093
1979.....	44,571	93,253	321	77,823	1986.....	247,846	114,060	6,954	92,916
1980.....	57,451	135,945	2	68,907	1987.....	307,459	116,720	9,508	104,215
1981.....	95,019	97,654	617	56,734	1988.....	280,902	136,246	11,443	102,894
1982.....	127,711	129,340	5,298	58,010	1989.....	368,236	173,706	10,414	114,727

¹ Raisins converted to sweatbox or production basis by multiplying by 1.08.

Economic Research Service. Commodity Economic Division.

Table 298.—Nectarines: Production, utilization, and value, California, 1976-90

Crop of—	Production	Utilization		Marketing year average price per ton ²	Value
		Fresh ¹	Processed (fresh basis)		
	Tons	Tons	Tons	Dollars	1,000 dollars
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	41,610
1982	178,060	175,900	2,100	249.00	44,254
1983	185,000	183,800	1,200	299.00	55,375
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	191,000	190,500	500	343.00	65,545
1988	200,000	199,000	1,000	394.00	78,861
1989	200,000	199,000	1,000	398.00	79,645
1990 ³	211,000	208,500	2,500	474.00	99,940

¹ Includes "Home use." ² Processing fruit prices are equivalent returns at processing plant door. ³ Preliminary.

National Agricultural Statistics Service.

Table 299.—Olives: Production, value, and utilization, California, 1976-90

Year	Production	Marketing year average price per ton	Value	Utilization		
				Crushed for oil	Canned	Other
	Tons	Dollars	1,000 dollars	Tons	Tons	Tons
1976	80,000	380.00	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	501.00	73,459	4,600	98,000	43,400
1983	61,000	519.00	31,641	4,100	48,000	8,500
1984	90,600	550.00	49,810	2,900	76,700	10,600
1985	96,000	559.00	53,634	2,800	76,100	13,600
1986	111,500	587.00	65,407	6,000	85,000	20,000
1987	67,500	608.00	41,053	3,000	55,000	9,000
1988	87,500	518.00	45,316	3,000	70,000	14,000
1989	123,000	467.00	57,458	5,500	94,000	23,000
1990 ¹	131,000	491.00	64,326	4,500	88,000	38,000

¹ Preliminary.

National Agricultural Statistics Service.

Table 300.—Olives and olive oil: Foreign trade, United States, 1976–89

Year beginning October	Imports				Year beginning October	Imports			
	Olives		Olive oil			Olives		Olive oil	
	In brine	Dried	Edible	Inedible		In brine	Dried	Edible	Inedible
	<i>1,000 gallons</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>		<i>1,000 gallons</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1976	15,481	1,465	56,288	189	1983 ²	56,611	513	(¹)	(¹)
1977	17,809	1,063	59,456	142	1984 ²	59,259	535	(¹)	(¹)
1978	13,293	1,190	61,977	143	1985 ²	63,592	662	(¹)	(¹)
1979	14,507	1,294	(¹)	(¹)	1986 ²	75,167	701	(¹)	(¹)
1980	15,322	1,490	(¹)	(¹)	1987 ²	72,160	696		
1981	16,913	1,437	(¹)	(¹)	1988 ²	61,748	413		
1982	17,568	1,312	(¹)	(¹)	1989 ²	64,467	409		

¹ Not available. ² Beginning 1983, olives in metric tons.
Economic Research Service, Commodity Economic Division.

Table 301.—Peaches: Production and value, United States, 1976–90

Year	Total production	Utilized production	Marketing year average price ¹	Value	Year	Total production	Utilized production	Marketing year average price ¹	Value
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Cents per pound</i>	<i>1,000 dollars</i>		<i>Million pounds</i>	<i>Million pounds</i>	<i>Cents per pound</i>	<i>1,000 dollars</i>
1976	3,018.3	2,641.7	9.6	253,613	1983	1,855.3	1,753.8	14.4	252,969
1977	2,955.4	2,825.7	9.8	277,789	1984	2,660.3	2,468.9	12.6	311,177
1978	2,652.7	2,515.7	12.0	301,143	1985	2,148.1	2,047.2	14.4	293,784
1979	2,938.7	2,834.2	11.6	329,536	1986	2,306.6	2,218.1	14.0	310,805
1980	3,068.6	2,954.1	12.4	367,170	1987	2,381.5	2,238.9	13.8	308,970
1981	2,770.6	2,639.8	13.3	351,610	1988	2,614.1	2,448.6	15.6	382,182
1982	2,285.6	2,101.9	14.0	293,300	1989	2,334.8	2,208.8	16.3	360,751
					1990 ²	2,205.2	2,110.6	17.3	365,443

¹ 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. ² Preliminary.
National Agricultural Statistics Service.

Table 302.—Peaches: Foreign trade, United States, 1976–89

Year beginning October	Domestic exports					
	Fresh	Dried ¹	Canned	Canned, in fruit salad ²	Dried, in fruit salad ^{1 3}	Total, in terms of fresh ⁴
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1976 ⁵	27,620	517	53,565	16,527	340	102,473
1977 ⁵	29,511	(⁵)	82,253	17,254	390	131,185
1978 ⁵	30,017	(⁵)	55,590	17,039	294	104,279
1979 ⁵	28,045	(⁵)	59,167	21,863	503	111,869
1980 ⁵	35,751	(⁵)	59,340	21,826	565	120,056
1981 ⁵	30,840	(⁵)	36,216	16,653	415	86,015
1982 ⁵	25,481	(⁵)	33,170	13,813	359	74,458
1983 ⁵	23,218	(⁵)	12,256	8,407	464	46,459
1984 ⁵	20,939	(⁵)	11,665	7,558	414	42,462
1985 ⁵	25,288	(⁵)	15,457	7,210	460	50,511
1986 ⁵	26,274	(⁵)	14,483	7,894	388	50,807
1987 ⁵	38,906	(⁵)	19,831	9,475	287	69,806
1988 ⁵	44,727	(⁵)	17,689	8,428	624	74,311
1989 ⁵	57,508	(⁵)	15,387	9,083	646	86,164

¹ Net processed weight. ² Canned peaches are 40 percent of total canned fruit for salad. ³ Dried peaches are 21 percent of total dried fruit for salad. ⁴ 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. ⁵ Not available.
Economic Research Service, Commodity Economic Division.

Table 303.—Peaches: Production and season average price per pound, 1988-90

State	Total production			Utilized production			Price ² for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Dollars	Dollars	Dollars
AL.....	24.0	15.0	12.0	22.0	14.0	12.0	0.202	0.246	0.238
AR.....	20.0	2.5	18.0	20.0	2.5	18.0	.150	.241	.246
CA:									
Freestone.....	523.0	528.0	572.0	523.0	528.0	572.0	.152	.153	.168
CO.....	16.0	(*)	17.0	15.5	(*)	16.0	.269	(*)	.356
CT.....	3.1	4.0	3.6	3.0	3.8	3.5	.550	.500	.470
DE.....	3.1	.4	.2	3.1	.4	.2	.213	.338	.415
GA.....	140.0	125.0	130.0	132.0	115.0	123.0	.201	.202	.299
ID.....	11.8	4.0	4.7	11.2	3.9	4.1	.260	.384	.217
IL.....	20.0	13.0	.3	19.5	12.5	.3	.240	.270	.343
IN.....	3.0	4.0	.8	3.0	4.0	.8	.309	.322	.341
KS.....	4.5	2.5	.1	3.7	2.2	.1	.370	.270	.230
KY.....	6.0	2.0	(*)	5.5	2.0	(*)	.280	.376	(*)
LA.....	6.0	1.4	4.0	5.1	1.0	3.7	.320	.360	.340
MD.....	12.8	7.6	4.0	9.8	7.6	4.0	.189	.280	.327
MA.....	2.2	2.1	2.0	2.1	2.1	1.9	.550	.500	.470
MI.....	45.0	55.0	45.0	45.0	55.0	45.0	.178	.191	.210
MS.....	4.0	1.0	(*)	3.5	1.0	(*)	.265	.400	(*)
MO.....	11.0	4.5	.7	11.0	4.5	.7	.225	.270	.300
NJ.....	85.0	70.0	45.0	80.0	65.0	37.5	.244	.346	.409
NY.....	14.1	12.5	14.0	13.7	12.3	13.7	.272	.294	.276
NC.....	36.0	12.0	10.0	30.0	12.0	10.0	.167	.175	.270
OH.....	6.0	8.0	5.5	6.0	8.0	5.5	.310	.340	.380
OK.....	26.0	25.0	8.0	26.0	24.3	7.7	.264	.275	.363
OR.....	14.0	14.0	14.5	13.0	12.5	14.5	.281	.247	.299
PA.....	80.0	65.0	76.0	75.0	65.0	76.0	.196	.258	.289
SC.....	340.0	270.0	110.0	290.0	235.0	95.0	.185	.200	.243
TN.....	11.0	1.3	1.3	9.0	1.2	1.1	.297	.369	.370
TX.....	18.0	14.0	24.0	16.1	12.5	20.5	.357	.400	.350
UT.....	12.5	11.0	12.0	11.8	10.5	11.5	.190	.215	.240
VA.....	29.0	15.0	2.5	27.0	14.0	2.3	.147	.213	.315
WA.....	50.0	44.0	53.0	50.0	44.0	53.0	.193	.255	.255
WV.....	20.0	9.0	3.0	20.0	9.0	3.0	.169	.256	.268
Total above.....	1,597.1	1,342.8	1,193.2	1,505.6	1,284.8	1,156.6	.189	.204	.228
CA:									
Clingstone ³	1,017.0	992.0	1,012.0	943.0	924.0	954.0	.104	.107	.107
US.....	2,614.1	2,334.8	2,205.2	2,448.6	2,208.8	2,110.6	.156	.163	.173

¹ Preliminary. ² 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. ³ Mainly for canning. Total production includes harvested not sold and unharvested production as follows (million pounds): 70.0 in 1987, 74.0 in 1988, and 65.0 in 1989. ⁴ No significant commercial production due to frost. ⁵ Estimates discontinued after the 1989 crop.

National Agricultural Statistics Service.

Table 304.—Peaches and nectarines, fresh: Production in specified countries, 1988-90

Continent and country	1988	1989	1990 ¹	Continent and country	1988	1989	1990 ¹
	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.....	44.1	37.6	43.0	South Africa.....	145.7	139.2	138.4
Mexico.....	264.5	265.0	265.0	Total.....	145.7	139.2	138.4
United States.....	1,367.2	1,240.5	1,191.7	Asia:			
Total.....	1,675.8	1,543.1	1,499.7	Japan.....	202.9	180.2	201.1
South America:				Total.....	202.9	180.2	201.1
Argentina.....	260.0	260.0	249.5	Oceania:			
Chile.....	151.4	162.4	175.0	Australia.....	75.0	63.4	67.6
Total.....	411.4	422.4	424.5	New Zealand.....	28.5	24.6	26.4
Europe:				Total.....	103.5	88.0	94.0
France.....	451.5	546.0	505.0	Total specified countries.....	5,807.9	6,091.7	5,930.3
Greece.....	614.6	641.0	700.0				
Italy.....	1,476.1	1,682.0	1,700.0				
Spain.....	649.4	769.8	602.6				
Yugoslavia.....	77.0	80.0	65.0				
Total.....	3,268.6	3,718.8	3,572.6				

¹ 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, 1976-90

Crop of—	Total production ¹	Utilized production	Utilization of quantities sold				
			Fresh ²	Processed (fresh basis)			
				Canned	Dried	Frozen	Other ³
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
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.....	2,660.3	2,468.9	1,287.8	1,028.6	28.0	89.0	35.5
1985.....	2,148.1	2,047.2	925.6	982.6	32.5	93.3	13.2
1986.....	2,306.6	2,218.1	1,091.0	926.9	32.5	136.3	31.4
1987.....	2,381.5	2,238.9	1,113.5	877.1	35.0	145.1	68.2
1988.....	2,614.1	2,448.6	1,223.4	986.0	41.2	131.9	66.1
1989.....	2,334.8	2,208.8	1,038.6	918.4	28.6	143.9	79.3
1990 ⁴	2,205.2	2,110.6	905.7	957.3	27.1	169.8	50.7

¹ Includes harvested not sold and unharvested production for California Clingstone peaches (tons): 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, 1988, 1989, 1990—None. ² Includes "Home use." ³ Used for jams, preserves, brandy, etc. Includes small quantities frozen for some years. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 306.—Peaches: Production and utilization, by States, crop of 1990 (preliminary)

State	Total production	Utilized production	Utilization				
			Fresh ¹	Processed (fresh basis)			
				Canned	Dried	Frozen	Other ²
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
CA, all ³	1,584	1,526	356	936.7	27.1	149.7	.....
Clingstone ³	1,012	954	.....	897.5	.....	.....	.....
Freestone.....	572	572	356	39.2	27.1	149.7	.....
GA.....	130	123	.....	.....	.....	.....	.....
NJ.....	45	37.5	.....	.....	.....	.....	.....
PA.....	76	76	73	.....	.....	.....	.....
SC.....	110	95	(*)	.....	.....	.....	.....
WA.....	53	53	.....	.....	.....	.....	.....
Other States ⁴	207.2	200.1	476.7	20.6	.....	20.1	50.7
US.....	2,205.2	2,110.6	905.7	957.3	27.1	169.8	50.7

¹ Includes "Home use." ² Used for jams, preserves, brandy, etc. ³ Difference between total and utilized production is harvested not sold and unharvested production. ⁴ Data not published to avoid disclosure of individual operations, but included in "Other States" and U.S. totals. ⁵ 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, 1988/89–1990/91

Country of destination	Year beginning June			Country of destination	Year beginning June		
	1988/89	1989/90	1990/91		1988/89	1989/90	1990/91
	<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:				Bermuda and Caribbean:			
Belgium and Luxembourg..	0	1	0	Bahamas.....	57	47	41
Denmark.....	2	1	0	Bermuda.....	68	24	14
Finland.....	92	17	87	Dominican Republic.....	15	27	17
Germany, Fed. Rep. of.....	2	0	110	Netherlands Antilles.....	2	19	44
Greece.....	35	245	1,436	Other countries.....	12	42	3
Netherlands.....	120	66	74	Total.....	154	159	119
Norway.....	67	21	34				
Sweden.....	26	12	16	Other countries:			
Switzerland.....	0	1	60	Canada.....	1,755	1,183	1,857
United Kingdom.....	101	33	0	Hong Kong.....	489	379	1,347
Other countries.....	0	30	4	Taiwan.....	3,154	1,569	2,654
Total.....	445	427	1,821	Japan.....	9,013	5,850	7,420
				Kuwait.....	108	227	14
Latin America:				Saudi Arabia.....	273	249	267
Colombia.....	19	29	73	Singapore.....	499	941	597
Panama.....	407	385	358	Other countries.....	952	2,712	1,554
Other countries.....	268	248	566	Total.....	16,245	13,136	15,714
Total.....	694	662	997	Grand total.....	17,536	14,358	18,647

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

Table 308.—Pears: Production and value, United States 1976–90

Year	Total production	Utilized production	Marketing year average price ¹	Value	Year	Total production	Utilized production	Marketing year average price ¹	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>
1976.....	839,100	819,100	124.00	101,890	1984.....	708,250	695,950	229.00	159,329
1977.....	781,600	779,500	146.00	113,520	1985.....	774,550	744,400	269.00	200,431
1978.....	723,250	723,250	219.00	158,724	1986.....	767,150	761,150	267.00	203,113
1979.....	854,700	854,200	204.00	174,295	1987.....	938,450	936,100	198.00	185,377
1980.....	897,350	896,350	196.00	175,332	1988.....	860,850	860,400	274.00	235,423
1981.....	897,000	893,950	187.00	167,321	1989.....	916,800	916,450	277.00	253,602
1982.....	801,950	800,730	183.00	146,629	1990 ²	963,800	963,650	274.00	264,294
1983.....	773,550	773,350	170.00	131,232					

¹ 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.

² Preliminary.

National Agricultural Statistics Service.

Table 309.—Pears: Production and season average price per ton, by States, 1988-90

Variety and State	Total production			Utilized production			Price ² for crop—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
CA, all	302,000	315,000	332,000	302,000	315,000	332,000	247.00	271.00	251.00
Bartlett.....	291,000	298,000	314,000	291,000	298,000	314,000	238.00	265.00	242.00
Other.....	11,000	17,000	18,000	11,000	17,000	18,000	477.00	365.00	410.00
CO.....	3,800	4,000	2,500	3,700	4,000	2,500	251.00	337.00	336.00
CT.....	1,650	1,200	1,100	1,600	1,150	1,050	520.00	520.00	550.00
MI.....	6,000	8,000	2,500	6,000	8,000	2,500	241.00	256.00	267.00
NY.....	17,300	16,500	14,600	17,300	16,300	14,600	235.00	223.00	253.00
OR, all	213,000	215,000	233,000	213,000	215,000	233,000	285.00	245.00	266.00
Bartlett.....	68,000	67,000	83,000	68,000	67,000	83,000	253.00	263.00	244.00
Other.....	145,000	148,000	150,000	145,000	148,000	150,000	300.00	237.00	279.00
PA.....	5,100	5,500	3,300	4,800	5,400	3,200	345.00	394.00	358.00
UT.....	2,000	2,600	2,800	2,000	2,600	2,800	384.00	340.00	380.00
WA, all	310,000	349,000	372,000	310,000	349,000	372,000	292.00	301.00	298.00
Bartlett.....	147,000	157,000	177,000	147,000	157,000	177,000	244.00	258.00	248.00
Other.....	163,000	192,000	195,000	163,000	192,000	195,000	335.00	336.00	344.00
US.....	860,850	916,800	963,800	860,400	916,450	963,650	274.00	277.00	274.00

¹ Preliminary. ² 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, 1988/89-1990/91 ¹

Continent and country	1988/89	1989/90	1990/91 ²	Continent and country	1988/89	1989/90	1990/91 ²
	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 ³	23.3	21.3	19.5	Sweden.....	11.3	10.8	10.4
Mexico.....	50.1	44.9	43.7	Switzerland.....	23.5	17.9	18.0
United States ³	780.9	831.7	874.3	Turkey.....	410.0	425.0	430.0
Total.....	854.3	897.9	937.5	Yugoslavia.....	173.3	177.0	150.0
South America:				Total.....	679.7	681.6	658.7
Argentina.....	262.0	265.4	251.0	Total Europe.....	3,238.9	3,070.4	2,992.2
Chile.....	119.0	139.0	155.0	Africa:			
Total.....	381.0	404.4	406.0	South Africa.....	174.9	192.5	195.0
European Community:				Total.....	174.9	192.5	195.0
Belgium and Luxembourg....	84.0	87.2	59.4	Asia:			
Denmark.....	6.0	5.8	6.6	Japan.....	454.1	447.9	461.0
France.....	315.1	326.9	318.3	Total.....	454.1	447.9	461.0
Germany, Fed. Rep. of.....	498.2	347.1	328.8	Oceania:			
Greece.....	91.4	95.0	86.7	Australia.....	147.0	152.0	157.0
Italy.....	986.5	820.0	1,000.0	New Zealand.....	12.7	12.6	12.3
Netherlands.....	89.0	113.0	90.0	Total.....	159.7	164.6	169.3
Spain.....	457.3	550.2	406.9	Total specified countries.....	5,262.9	5,177.7	5,161.0
United Kingdom.....	31.7	43.6	36.8				
Total EC.....	2,559.2	2,388.8	2,333.5				
Other Europe:							
Austria.....	53.8	46.7	44.8				
Norway.....	7.8	4.2	5.5				

¹ May include some cider varieties in countries not reporting separately. ² Preliminary. ³ 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, 1976-89

Year beginning October	Imports for consumption, fresh	Domestic exports					Total, in terms of fresh fruit ⁴
		Fresh ¹	Canned	Dried ¹	Dried, in fruit salad ^{1 2}	Canned, in fruit salad ³	
	<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>
1976	4,298	27,489	3,348	285	270	14,461	48,800
1977	5,775	35,744	4,320	(⁵)	310	15,097	57,117
1978	6,828	39,085	3,009	(⁵)	234	14,908	58,479
1979	8,054	39,370	2,625	(⁵)	399	19,130	63,643
1980	9,425	49,246	3,003	(⁵)	448	19,098	74,174
1981	9,327	49,512	2,689	(⁵)	329	14,572	68,849
1982	9,896	34,698	2,026	(⁵)	285	12,086	50,611
1983	13,188	35,066	1,108	(⁵)	368	7,356	45,851
1984	18,604	25,914	1,075	(⁵)	329	6,614	35,679
1985	25,663	30,516	1,024	(⁵)	365	6,308	40,151
1986	31,733	36,932	1,003	(⁵)	308	6,907	46,786
1987	32,499	44,882	1,140	(⁵)	228	8,291	55,752
1988	39,948	64,653	1,192	(⁵)	495	9,060	78,029
1989	41,292	93,715	2,155	(⁵)	513	7,948	107,153

¹ Net processed weight. ² Dried pears are 16% percent of total dried fruit for salad. ³ Canned pears are 35 percent of total canned fruit for salad. ⁴ 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. ⁵ Not available.
Economic Research Service. Commodity Economic Division.

Table 312.—Pears: Production and utilization, United States, 1976-90

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh ¹	Processed (fresh basis)	
				Canned ²	Dried
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1976	839,100	819,100	339,230	(³)	(³)
1977	781,600	779,500	298,200	(³)	(³)
1978	723,250	723,250	297,070	(³)	(³)
1979	854,700	854,200	300,100	(³)	(³)
1980	897,350	896,350	345,060	(³)	(³)
1981	897,000	893,950	377,950	(³)	(³)
1982	801,950	800,730	366,130	(³)	(³)
1983	773,550	773,350	382,790	(³)	(³)
1984	708,250	695,950	322,750	(³)	(³)
1985	744,550	744,400	347,100	(³)	(³)
1986	767,150	761,150	376,220	(³)	(³)
1987	938,450	936,100	454,850	(³)	(³)
1988	860,850	860,400	427,140	(³)	(³)
1989	916,800	916,450	454,220	(³)	(³)
1990 ⁴	963,800	963,650	467,260	(³)	(³)

¹ Includes "Home use." ² For some States includes some dried or otherwise processed. ³ Not published to avoid disclosure of individual operation. ⁴ Preliminary.
National Agricultural Statistics Service.

Table 313.—Pears: Production and utilization, by States, crop of 1990 (preliminary)

State and variety	Total production	Utilized production	Utilization	
			Fresh ¹	Processed ²
	Tons	Tons	Tons	Tons
CA, all.....	382,000	382,000		
Bartlett.....	314,000	314,000	75,000	239,000
Other.....	18,000	18,000	(³)	(³)
CO.....	2,500	2,500	(³)	(³)
CT.....	1,100	1,050	1,050	(³)
MI.....	2,500	2,500	(³)	(³)
NY.....	14,600	14,600	(³)	(³)
OR, all.....	233,000	233,000		
Bartlett.....	83,000	83,000	24,000	59,000
Other.....	150,000	150,000	(³)	(³)
PA.....	3,300	3,200	(³)	(³)
UT.....	2,800	2,800	2,800	(³)
WA, all.....	372,000	372,000		
Bartlett.....	177,000	177,000	43,000	134,000
Other.....	195,000	195,000	(³)	(³)
US.....	963,800	963,650	467,260	496,390

¹ Includes "Home use." ² Mostly canned, but includes small quantities dried, juiced, and other uses. ³ 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, marketing year average price, and value, Hawaii, 1976–90

Year	Area harvested	Utilized production	Utilization		Price per pound	Value
			Fresh	Processed		
	Acres	1,000 pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars
1976.....	1,930	50,037	43,588	6,449	12.3	6,134
1977.....	2,155	63,548	53,987	9,561	11.9	7,565
1978.....	2,190	64,000	54,624	9,376	13.0	8,304
1979.....	2,210	41,015	36,446	4,569	23.2	9,513
1980.....	1,950	48,916	45,360	3,556	20.4	9,964
1981.....	2,110	66,390	58,170	8,220	18.7	12,412
1982.....	2,170	52,750	44,770	7,980	21.8	11,484
1983.....	2,120	61,400	46,300	15,100	18.9	11,591
1984.....	2,590	80,500	67,000	13,500	11.4	9,196
1985.....	2,650	60,400	49,250	11,150	14.2	8,579
1986.....	2,355	61,000	50,100	10,900	18.2	11,123
1987.....	2,350	67,000	56,000	11,000	16.5	11,050
1988.....	2,300	69,000	57,000	12,000	17.9	12,354
1989.....	2,500	74,000	64,000	10,000	19.4	14,380
1990 ¹	2,400	68,500	58,000	10,500	21.6	14,805

¹ Preliminary.

National Agricultural Statistics Service.

Table 315.—Pomegranates: Production, marketing year average price, and value, California, 1975–89

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
1975.....	8,600	8,600	143.00	1,230	1983.....	20,000	18,900	272.00	5,147
1976.....	9,000	9,000	210.00	1,890	1984.....	20,000	19,000	106.00	2,010
1977.....	10,000	10,000	143.00	1,430	1985.....	19,400	17,400	318.00	5,529
1978.....	9,500	9,500	233.00	2,214	1986.....	22,000	19,400	395.00	7,666
1979.....	13,000	11,000	324.00	3,564	1987.....	18,500	16,500	340.00	5,617
1980.....	17,000	16,000	259.00	4,144	1988.....	20,000	18,000	359.00	6,454
1981.....	16,500	14,800	278.00	4,114	1989 ¹	19,000	18,000	273.00	4,906
1982.....	16,000	14,400	263.00	3,787					

¹ Discontinued after 1989.

National Agricultural Statistics Service.

Table 316.—Plums; California: Production, value, and utilization, 1976-90

Season	Total production	Utilized production	Marketing year average price per ton ¹	Value	Utilization of quantities sold	
					Fresh ²	Processed
	Tons	Tons	Dollars	1,000 dollars	Tons	Tons
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	(*)	(*)
1986.....	152,000	152,000	657.00	99,857	(*)	(*)
1987.....	245,000	245,000	308.00	75,361	(*)	(*)
1988.....	216,000	216,000	475.00	102,661	(*)	(*)
1989.....	216,000	216,000	445.00	96,146	(*)	(*)
1990 ³	222,000	222,000	603.00	133,804	(*)	(*)

¹ Fresh fruit prices are equivalent returns at point of first sale. Processing fruit prices are equivalent returns at processing plant door. ² Includes "Home use." ³ Missing data not published to avoid disclosure of individual operations, but included in total. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 317.—Prunes and plums: ¹ Production, value, and utilization, 4 States, 1976-90

Year	Total production	Utilized production	Marketing year average price per ton	Value	Utilization of quantities sold			
					Fresh ²	Processed (fresh basis)		
						Dried and other	Canned	Frozen
	Tons	Tons	Dollars	1,000 dollars	Tons	Tons	Tons	Tons
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	264.00	12,552	26,550	11,300	8,250	1,400
1983.....	51,200	49,200	199.00	9,783	30,000	8,670	9,430	1,100
1984.....	52,000	51,000	208.00	10,632	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.....	49,500	45,200	139.00	6,273	21,600	10,500	11,900	1,200
1988.....	52,000	48,100	183.00	8,805	24,000	9,400	13,400	1,300
1989.....	47,000	43,850	207.00	9,079	22,750	6,950	12,950	1,200
1990 ³	47,800	43,200	197.00	8,516	24,300	8,900	9,600	400

¹ Idaho, Michigan, Oregon, and Washington. Mostly prunes; however, estimates include small quantities of plums in all States. ² Includes "Home use." ³ Preliminary.

National Agricultural Statistics Service.

Table 318.—Prunes and plums (fresh basis): Production and season average price per ton, by States, 1988-90

State	Total production			Utilized production			Price ² for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
ID.....	6,500	6,500	6,800	5,600	6,350	6,200	283.00	422.00	275.00
MI.....	11,000	13,000	6,000	11,000	13,000	6,000	198.00	175.00	296.00
OR.....	21,000	14,000	21,000	18,000	11,000	17,000	140.00	176.00	160.00
WA.....	13,500	13,500	14,000	13,500	13,500	14,000	187.00	162.00	166.00
Total, 4 States.....	52,000	47,000	47,800	48,100	43,850	43,200	183.00	207.00	197.00

¹ Preliminary. ² 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, 1976-90 ¹

Season	Production ²		Marketing year average price per ton ³	Value
	Tons		Dollars	1,000 dollars
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	229,000		734.00	168,086
1988	151,000		782.00	118,082
1989	226,000		779.00	176,054
1990 ⁴	147,000		851.00	125,097

¹ The drying ratio is approximately 3 pounds of fresh fruit to 1 pound of dried fruit. ² Production all utilized.
³ Equivalent returns at the processing plant door. ⁴ Preliminary.
National Agricultural Statistics Service.

Table 320.—Prunes and plums: ¹ Utilization and marketing year average price per ton, 1985-90

State and season	Quantity				Price ⁴			
	Fresh ²	Dried and other ³	Canned	Frozen	Fresh	Dried and other	Canned	Frozen
ID:	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars	Dollars
1985	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1986	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1987	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1988	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1989	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1990	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
MI:								
1985	4,400	(⁵)	6,100	(⁵)	385.00	(⁵)	238.00	(⁵)
1986	5,500	(⁵)	5,000	(⁵)	370.00	(⁵)	115.00	(⁵)
1987	5,500	(⁵)	6,000	(⁵)	197.00	(⁵)	83.00	(⁵)
1988	5,000	(⁵)	(⁵)	(⁵)	269.00	(⁵)	(⁵)	(⁵)
1989	5,500	(⁵)	6,750	(⁵)	255.00	(⁵)	117.00	(⁵)
1990	4,000	(⁵)	(⁵)	(⁵)	323.00	(⁵)	(⁵)	(⁵)
OR:								
1985	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1986	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1987	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1988	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1989	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1990	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
WA:								
1985	7,200	(⁵)	(⁵)	(⁵)	284.00	(⁵)	(⁵)	(⁵)
1986	7,400	(⁵)	(⁵)	(⁵)	437.00	(⁵)	(⁵)	(⁵)
1987	7,600	(⁵)	(⁵)	(⁵)	164.00	(⁵)	(⁵)	(⁵)
1988	10,500	(⁵)	1,200	(⁵)	228.00	(⁵)	80.00	(⁵)
1989	9,700	(⁵)	(⁵)	(⁵)	198.00	(⁵)	(⁵)	(⁵)
1990	9,200	(⁵)	(⁵)	(⁵)	228.00	(⁵)	(⁵)	(⁵)
Total 4 States:								
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	21,600	10,500	11,900	1,200	173.00	106.00	107.00	135.00
1988	24,000	9,400	13,400	1,300	249.00	118.00	116.00	128.00
1989	22,750	6,950	12,950	1,200	289.00	121.00	117.00	133.00
1990	24,300	8,900	9,600	400	250.00	124.00	129.00	243.00

¹ Michigan, Idaho, Washington, and Oregon. Mostly prunes; however, estimates include small quantities of plums in all States. ² Includes "Home use." ³ Some quantities otherwise processed are included to avoid disclosure of individual operations. ⁴ 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. ⁵ 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, 1987/88-1989/90

Country of destination	Year beginning September			Country of destination	Year beginning September		
	1987/88	1988/89	1989/90		1987/88	1988/89	1989/90
	<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:				Bermuda and Caribbean:			
Austria.....	229	446	435	Bermuda.....	9	3	18
Belgium and Luxembourg.....	631	582	667	Dominican Republic.....	89	98	103
Denmark.....	2,411	2,351	2,285	Haiti.....	2	0	0
Finland.....	2,208	2,368	2,249	Netherlands Antilles.....	51	47	77
France.....	891	2,296	5,932	Trinidad and Tobago.....	223	30	139
Germany, Fed. Rep. of.....	9,421	8,359	10,609	Other countries.....	11	68	11
Iceland.....	9	29	30	Total.....	385	246	348
Ireland.....	51	50	51				
Italy.....	8,129	8,974	11,840	Other countries:			
Netherlands.....	1,404	1,025	2,051	Australia.....	473	495	839
Norway.....	1,537	1,574	1,392	Canada.....	3,353	3,905	4,691
Spain.....	1,878	2,159	2,239	Hong Kong.....	838	493	946
Sweden.....	3,451	2,242	3,392	Israel.....	1,370	771	502
Switzerland.....	672	735	694	Japan.....	10,103	9,727	10,891
United Kingdom.....	3,354	2,812	4,191	Malaysia.....	422	407	547
Other countries.....	247	884	452	New Zealand.....	365	463	361
Total.....	36,323	36,886	48,509	Singapore.....	660	647	546
				Taiwan.....	1,587	1,141	924
Latin America:				Other countries.....	570	622	852
Brazil.....	8	6	2	Total.....	19,741	18,671	21,099
Colombia.....	4	65	46				
Costa Rica.....	5	5	17	Grand total.....	59,163	57,943	72,634
Guatemala.....	29	14	22				
Mexico.....	1,730	1,632	2,363				
Panama.....	153	119	161				
Venezuela.....	740	259	35				
Other countries.....	45	40	32				
Total.....	2,714	2,140	2,678				

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

Table 322.—Prunes: Foreign trade, United States, 1976-89

Year beginning October	Imports				Domestic exports			
	Fresh prunes and plums	Other-wise prepared or preserved	Dried prunes ¹	Total, in terms of fresh ²	Fresh prunes and plums	Dried prunes ¹	Dried, in fruit salad ^{1,3}	Total, in terms of fresh ²
	<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>
1976.....	819	885	498	2,908	21,482	47,910	696	147,671
1977.....	1,479	771	263	2,855	23,400	52,648	799	182,157
1978.....	1,390	806	359	3,047	20,175	43,260	603	134,050
1979.....	835	803	267	2,251	21,236	43,983	1,030	138,097
1980.....	1,526	760	58	2,380	25,813	56,440	1,156	175,341
1981.....	1,657	784	86	2,586	21,562	59,061	849	177,098
1982.....	3,801	843	459	5,750	19,607	49,573	735	150,214
1983.....	6,060	1,106	636	8,705	25,897	52,731	949	165,259
1984.....	13,516	1,291	647	16,357	20,850	46,006	848	142,490
1985.....	15,170	859	1,369	19,496	23,680	50,832	942	158,093
1986.....	17,937	871	1,354	22,235	33,312	52,648	795	172,058
1987.....	16,943	457	444	18,507	39,862	59,299	588	195,338
1988.....	21,879	365	717	24,068	57,585	58,031	1,278	211,560
1989.....	22,746	622	413	24,377	73,208	74,746	1,322	270,692

¹ Net processed weight. ² 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. ³ Dried prunes in salad estimated at 43 percent of total dried fruit for salad.

Economic Research Service. Commodity Economic Division.

Table 323.—Strawberries, commercial crop: Production and value per hundredweight, by States, 1988-90

Utilization, season, and State	Production			Value per unit		
	1988	1989	1990 ¹	1988	1989	1990 ¹
FOR FRESH MARKET ²	<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.....	1,250	1,378	1,166	59.10	66.90	64.60
Total	1,250	1,378	1,166	59.10	66.90	64.60
Spring:						
AR.....	12	9	6	44.00	56.00	62.00
CA.....	6,590	6,570	6,735	52.00	49.30	52.30
LA.....	53	40	59	56.00	58.00	68.00
MI.....	87	77	106	52.70	54.70	54.10
NJ.....	32	18	21	72.20	69.90	87.50
NY.....	120	184	170	73.10	87.50	83.00
NC.....	126	88	126	46.30	54.00	51.00
OH.....	73	55	72	69.00	80.00	71.00
OR.....	64	61	58	62.00	68.00	61.00
PA.....	82	85	73	99.50	101.00	105.00
WA.....	25	40	25	54.00	62.00	72.00
WI.....	41	61	55	64.00	66.00	63.00
Total	7,305	7,238	7,506	53.20	51.40	54.10
US	8,555	8,616	8,672	54.10	53.90	55.50
PROCESSING						
Spring:						
CA.....	2,050	2,100	3,165	23.00	23.00	25.00
MI.....	40	40	37	37.40	38.10	40.00
OR.....	950	590	598	28.90	34.70	44.90
WA.....	196	74	101	28.00	40.00	46.00
US	3,236	2,804	3,901	25.20	26.10	28.70

¹ Preliminary. ² 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, 1976-90

Year	Fresh market and processing					Fresh market ³			Processing		
	Area for harvest	Yield per acre	Production ¹	Value ²		Production of value	Value ²		Production of value	Value ²	
				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>
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	207	8,968	45.50	408,310	5,887	52.90	311,194	3,081	31.50	97,116
1984.....	43,300	229	9,937	41.70	414,422	7,510	49.00	367,672	2,427	19.30	46,750
1985.....	44,350	230	10,218	44.30	452,413	7,571	52.60	398,488	2,647	20.40	53,925
1986.....	44,750	229	10,232	49.50	506,089	7,387	57.60	425,346	2,845	28.40	80,743
1987.....	46,120	242	11,173	49.40	552,336	7,804	58.50	456,290	3,369	28.50	96,046
1988.....	47,150	250	11,791	46.20	544,279	8,555	54.10	462,690	3,236	25.20	81,589
1989.....	46,100	248	11,420	47.10	537,756	8,616	53.90	464,499	2,804	26.10	73,257
1990 ⁴	45,180	278	12,573	47.20	593,739	8,672	55.50	481,638	3,901	28.70	112,101

¹ 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, 11 in 1986, 239 in 1987, and 9 in 1989. ² Fresh market price and value on f.o.b. basis. Processing price and value at processing plant door. ³ Mostly for fresh market, but includes some quantities used for processing in States for which processing estimates are not prepared. ⁴ Preliminary.
National Agricultural Statistics Service.

Table 325.—Strawberries, commercial crop: Area harvested, production, value per hundredweight, by States, 1988-90¹

Season and State	Area Harvested			Production			Value per unit		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
Winter:									
FL.....	Acres 5,000	Acres 5,300	Acres 5,300	1,000 cwt. 1,250	1,000 cwt. 1,378	1,000 cwt. 1,166	Dollars per cwt. 59.10	Dollars per cwt. 66.90	Dollars per cwt. 64.60
Total.....	5,000	5,300	5,300	1,250	1,378	1,166	59.10	66.90	64.60
Spring:									
AR.....	250	250	230	12	9	6	44.00	56.00	62.00
CA.....	19,200	20,400	20,000	8,640	8,670	9,900	45.10	42.90	43.60
LA.....	700	650	750	53	40	59	56.00	58.00	68.00
MI.....	2,300	2,200	2,200	127	117	143	47.90	49.00	50.50
NJ.....	700	600	500	32	18	21	72.20	69.90	87.50
NY.....	2,500	2,400	2,700	120	134	170	73.10	87.50	83.00
NC.....	2,100	2,100	2,100	126	88	126	46.30	54.00	51.00
OH.....	1,300	1,200	1,100	73	55	72	69.00	80.00	71.00
OR.....	7,800	6,200	5,700	1,014	651	656	31.00	37.80	46.30
PA.....	1,900	1,800	1,700	82	85	73	99.50	101.00	105.00
WA.....	2,400	1,900	1,800	221	114	126	30.90	47.70	51.20
WI.....	1,000	1,100	1,100	41	61	55	64.00	66.00	63.00
Total.....	42,150	40,800	39,880	10,541	10,042	11,407	44.60	44.40	45.40
US.....	47,150	46,100	45,180	11,791	11,420	12,573	46.20	47.10	47.20

¹ Includes quantities used for fresh market and processing. ² Preliminary.
National Agricultural Statistics Service.

Table 326.—Fruits, noncitrus: Production, utilization, and value, United States, 1976-90¹

Year	Utilized production	Fresh ²	Processed						Value of utilized production
			Canned	Dried	Juice	Frozen	Wine	Other	
	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
1976.....	11,769	4,564	1,942	1,661	818	254	2,322	208	2,081,819
1977.....	12,216	4,581	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.....	14,216	5,127	2,036	2,155	1,255	227	3,227	188	3,445,555
1983.....	13,721	4,803	2,110	2,481	1,460	185	2,423	259	3,188,836
1984.....	13,806	4,972	2,259	2,060	1,336	245	2,695	239	3,281,650
1985.....	13,682	4,749	2,119	2,192	1,226	263	2,921	212	3,380,152
1986.....	13,365	4,896	2,211	1,668	1,135	286	2,909	260	3,699,956
1987.....	15,452	5,553	2,369	2,367	1,893	306	2,647	317	3,868,619
1988.....	15,303	5,465	2,374	2,546	1,372	296	2,983	267	4,552,348
1989.....	15,764	5,662	2,266	2,857	1,547	341	2,869	222	4,738,426
1990 ³	14,976	5,467	2,331	2,431	1,532	316	2,717	184	4,876,380

¹ 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. ² Includes "Home Use," local and roadside sales. ³ Preliminary.
National Agricultural Statistics Service.

Table 327.—Fruits: Arrivals at 4 markets, by commodities, 1990 ¹

Commodity	Baltimore ²			Boston			New York ⁴			Philadelphia		
	Rail, boat, and air	Motor-truck ³	Total	Rail, boat, and air	Motor-truck ³	Total	Rail, boat, and air	Motor-truck ³	Total	Rail, boat, and air	Motor-truck ³	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.
Citrus:												
Grapefruit.....	27	200	227	30	214	244	215	131	346	87	143	230
Lemons.....	48	91	139	99	59	158	215	94	309	110	134	244
Limes.....		27	27		52	52		43	43		13	13
Mixed citrus.....	12		12	1		1	36		36	19		19
Oranges.....	110	454	564	604	309	913	1,096	344	1,440	427	413	840
Tangelos.....		22	22		16	16	3	6	9		13	13
Tangerines.....	5	27	32		57	57	25	13	38	12	19	31
Temples.....		7	7		3	3		2	2		2	2
Citrus, other ⁵		4	4	1		1		32	32		11	11
Total.....	202	832	1,034	735	710	1,445	1,590	665	2,255	655	748	1,403
Non-citrus:												
Apples.....	96	549	645	282	445	727	865	580	1,445	255	414	669
Apricots.....		6	6		7	7	1	4	5		6	6
Avocados.....		21	21		42	42		71	71		8	8
Bananas.....	5	1,275	1,280		1,848	1,848	5,338	603	5,941		426	426
Blueberries.....		13	13	1	37	38	1	8	9		14	14
Cherries.....	1	18	19	7	42	49		23	23	3	30	33
Cranberries.....		2	2		4	4		1	1			
Grapes, table.....	21	358	379	98	440	538	200	439	639	227	238	465
Grapes, juice.....	1		1	11		11	70		70	11		11
Kiwifruit.....		11	11		15	15		38	38		12	12
Mangoes.....		13	13		20	20	14	26	40		8	8
Mixed deciduous.....	15		15	2		2	6		6			
Nectarines.....	5	77	82	29	91	120	37	45	82	48	94	142
Papaya.....								29	29			
Peaches.....	1	135	136	17	163	180	24	178	202	21	100	121
Pears.....	21	126	147	72	129	201	310	249	559	74	125	199
Persimmons.....		3	3		5	5					8	8
Pineapples.....	18	65	83	28	99	127	10	47	57	2	23	25
Plantains.....		15	15		43	43		96	96			
Plums-prunes.....	3	79	82	31	93	124	61	70	131	43	75	118
Pomegranates.....		4	4		1	1		4	4		2	2
Strawberries.....	4	144	148	8	219	227	6	166	172	2	261	263
Fruits, other ⁵		2	2	1	4	5		4	4		11	11
Total.....	191	2,916	3,107	587	3,747	4,334	6,943	2,681	9,624	686	1,855	2,541
Grand total.....	393	3,748	4,141	1,322	4,457	5,779	8,533	3,346	11,879	1,341	2,603	3,944

¹ 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. ² Includes Washington. ³ Estimated percentages of completeness for reported truck arrivals for 1989 are as follows: Baltimore 92, Boston 92, New York 92, and Philadelphia 92. ⁴ Includes Newark.

⁵ Not otherwise specified.

Agricultural Marketing Service.

Table 328.—Fruits, fresh: Arrivals at 4 markets, by commodities, 1990 ¹

Commodity	Atlanta			Chicago			Los Angeles			San Francisco ³		
	Rail, boat, and air	Motor truck ²	Total	Rail, boat, and air	Motor truck ²	Total	Rail, boat, and air	Motor truck ²	Total	Rail, boat, and air	Motor truck ²	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.
Citrus:												
Grapefruit.....	85	85	85	57	285	342	313	313	313	254	254	254
Lemons.....	144	144	144	307	153	460	316	316	316	245	245	245
Limes.....	28	28	28	59	59	59	378	378	378	149	149	149
Mixed citrus.....				59	59	59						
Oranges.....	302	302	1,382	1,043	2,425	1,412	1,412	1,412	1,097	1,097	1,097	1,097
Tangelos.....	14	14	11	11	11	25	25	25	21	21	21	21
Tangerines.....	19	19	6	44	50	63	63	63	68	68	68	68
Temples.....	1	1		3	3	3						
Citrus, other ⁴				7	7	7				9	9	9
Total.....		593	593	1,811	1,605	3,416		2,507	2,507		1,843	1,843
Noncitrus:												
Apples.....	45	347	392	268	1,017	1,285	3,390	3,390	1,537	1,537	1,537	1,537
Apricots.....				11	11	11	2	25	27	23	23	23
Avocados.....	24	24		53	53	9	188	197	224	224	224	224
Bananas.....	533	533		1,803	1,803	4,911	36	4,947	2,008	2,008	2,008	2,008
Blueberries.....	7	7		10	10	2	4	6	10	10	10	10
Cherries.....	3	3	1	28	29	3	78	81	38	38	38	38
Cranberries.....				2	2	2			3	3	3	3
Grapes, table.....	195	195	343	723	1,066	239	597	836	478	478	478	478
Grapes, juice.....				37	37	37						
Kiwifruit.....	8	8		11	11	5	9	14	2	12	14	14
Mangoes.....				37	37	3	152	155	159	159	159	159
Mixed deciduous.....				25	25							
Nectarines.....	20	20	63	157	220	50	136	186	160	160	160	160
Papaya.....				1	1	35	37	72	30	30	30	30
Peaches.....	82	82	11	164	175	40	191	231	205	205	205	205
Pears.....	39	39	103	258	361	12	454	466	324	324	324	324
Persimmons.....				6	6				16	16	16	16
Pineapples.....	67	67	1	90	91	98	10	108	170	1	171	171
Plantains.....				19	19	2	46	48	14	14	14	14
Plums-prunes.....	32	32	81	98	179	52	104	156	109	109	109	109
Pomegranates.....				3	3		3	3	7	7	7	7
Strawberries.....	107	107		299	299	1	297	298	230	230	230	230
Fruits, other ⁴				9	9	9	96	105	31	31	32	32
Total.....	45	1,464	1,509	933	4,799	5,732	5,473	5,853	11,326	203	5,589	5,792
Grand total.....	45	2,057	2,102	2,744	6,404	9,148	5,473	8,360	13,833	203	7,432	7,635

¹ 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. ² Estimated percentages of completeness for reported truck arrivals for 1990 are as follows: Atlanta 85, Chicago 93, Los Angeles 90, and San Francisco 85. ³ Includes Oakland. ⁴ Not otherwise specified.

Agricultural Marketing Service.

Table 329.—Fruits, fresh: Total reported domestic rail, truck, and air shipments, 1990 ¹

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	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.
Citrus:													
Grapefruit.....	1,351	1,559	1,174	275	41	32	27	52	1,054	1,768	2,189	2,226	11,748
Lemons.....	589	573	837	735	825	1,020	744	669	795	735	739	790	9,051
Limes.....	50	43	59	50	77	113	98	94	80	69	61	69	863
Mixed citrus.....	3	7	10	9	8	10	13	13	6	6	11	3	99
Oranges.....	3,691	3,545	4,646	3,903	4,129	3,356	1,654	1,469	2,382	2,115	3,205	5,370	39,465
Tangelos.....	73	2							2	59	246	390	772
Tangerines.....	110	50	12	2					34	164	176	97	645
Templets.....	20	72	5									37	134
Citrus, other ²								7	52	42	3		104
Total.....	5,887	5,851	6,743	4,974	5,080	4,531	2,536	2,304	4,405	4,958	6,630	8,982	62,881
Noncitrus:													
Apples.....	3,954	3,795	4,538	3,408	3,056	2,844	1,684	1,656	3,439	3,666	4,000	4,769	40,809
Apricots.....					137	159	106	22					424
Avocados.....	206	190	229	181	210	240	219	223	179	129	129	246	2,381
Blueberries.....				1	45	51	173	75					352
Cranberries.....									7	14	34		55
Cherries.....					286	543	398						1,227
Grapes, table.....	11				409	1,605	2,221	2,768	2,421	2,081	1,804	864	14,184
Grapes, juice.....								36	976	236			1,248
Kiwifruit.....	105	120	145	110	60	11				36	53	43	683
Mangoes.....					7	22	5	1			1		36
Mixed deciduous.....	3	6	1		4	22	39	17	14	10	4	5	125
Nectarines.....					258	1,364	1,223	1,060	591	30			4,526
Papaya.....	45	41	44	47	50	40	28	58	45	48	51	44	541
Peaches.....				79	830	1,459	1,422	1,227	664	106			5,787
Pears.....	786	716	643	405	397	251	448	627	903	1,269	1,129	1,006	8,580
Persimmons.....									1	27	42	18	88
Pineapples.....	198	216	263	243	214	203	210	186	171	184	184	167	2,439
Plums—fresh prunes.....					170	965	1,581	1,207	580	63			4,566
Pomegranates.....								4	24	49	20		97
Strawberries.....	133	298	564	1,545	1,731	996	834	577	348	248	120	139	7,533
Fruits, other ²													
Total.....	5,441	5,382	6,427	6,019	7,864	10,775	10,591	9,744	10,370	8,197	7,570	7,301	95,681
Grand total ...	11,328	11,233	13,170	10,993	12,944	15,306	13,127	12,048	14,775	13,155	14,200	16,283	158,562

¹ 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 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 370. ² Not otherwise specified. Agricultural Marketing Service.

Table 330.—Fruit juices, canned: United States packs, 1976-89

Season	Citrus juices ¹				Pineapple juice ²	Apple juice
	Grapefruit	Orange	Blended orange and grapefruit	Tangerine and tangerine blends		
	1,000 cases ³	1,000 cases ³	1,000 cases ³	1,000 cases ³	1,000 cases ³	1,000 cases ³
1976.....	27,689	14,435	1,584	35	10,205	15,719
1977.....	26,379	15,829	1,945	8	11,977	17,056
1978.....	25,175	18,905	1,138	19	11,336	20,804
1979.....	24,228	18,367	1,534		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	(⁵)	(⁵)
1983.....	* 9,513	* 9,084	* 555	(⁵)	(⁵)	(⁵)
1984.....	* 10,552	* 7,425	* 615	1	(⁵)	(⁵)
1985.....	* 9,948	* 7,597	* 577	(⁵)	(⁵)	(⁵)
1986.....	* 8,982	* 8,122	* 533	(⁵)	(⁵)	(⁵)
1987.....	* 7,724	* 7,256	* 449	(⁵)	(⁵)	(⁵)
1988.....	* 7,956	* 8,164	* 424	(⁵)	(⁵)	(⁵)
1989.....	* 5,986	* 6,640	* 374	(⁵)	(⁵)	(⁵)

¹ Excluding citrus concentrates. ² Hawaii and foreign operations. ³ Equivalent cases of 24 No. 2 cans. ⁴ Florida only. ⁵ Not available. Economic Research Service. Commodity Economic Division.

Table 331.—Fruits, dried: Production (dry basis), California, 1976-90

Year	Apples	Apri- cots	Dates	Figs ¹	Peach- es ²	Pears ³	Prunes	Grapes ⁴	Total
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1976.....	4,300	4,650	22,400	10,070	2,500	1,270	148,000	218,400	411,590
1977.....	3,700	5,100	25,400	12,700	2,500	1,130	159,000	248,900	458,430
1978.....	3,700	3,600	21,550	9,300	2,000	855	132,000	172,475	345,480
1979.....	5,200	5,300	21,300	11,540	1,800	1,530	136,000	303,390	486,160
1980.....	2,140	3,600	22,400	14,450	2,200	1,500	168,000	310,550	524,840
1981.....	1,400	3,800	22,300	12,200	2,050	1,440	159,500	258,000	460,690
1982.....	1,000	4,800	23,900	12,200	2,600	1,200	126,000	295,300	467,000
1983.....	1,000	4,100	17,000	11,050	2,000	1,080	145,000	398,500	579,730
1984.....	2,050	3,520	22,200	11,500	1,550	780	148,000	335,350	524,950
1985.....	4,700	2,000	28,900	10,400	2,050	1,310	141,000	347,940	538,300
1986.....	1,950	1,400	17,800	16,200	1,800	1,410	99,000	278,900	418,460
1987.....	2,900	2,980	19,400	16,850	3,900	1,130	229,000	357,950	634,110
1988.....	2,050	2,640	22,000	18,000	2,500	1,220	151,000	366,500	565,910
1989.....	2,850	3,900	22,000	15,500	1,700	1,140	226,000	433,200	706,290
1990.....	3,200	2,900	24,000	14,800	1,500	1,270	147,000	395,500	590,170

¹ Standard and substandard. ² Freestone only. ³ Bartlett only. ⁴ Raisin and table type.
Economic Research Service. Commodity Economic Division.

Table 332.—Fruits, dried: Commercial production in specified countries, 1988/89-1990/91

Commodity/country	1988/89	1989/90	1990/ 91 ¹	Commodity/country	1988/89	1989/90	1990/ 91 ¹
	<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.....	7,500	8,000	9,000	Argentina.....	7,000	7,500	8,000
Australia.....	3,357	2,700	2,800	Australia.....	60,012	59,463	80,000
Chile.....	10,000	13,800	11,500	Chile.....	24,500	30,500	27,000
France.....	41,494	19,949	33,000	Greece.....	77,800	83,580	40,000
South Africa.....	2,901	3,512	2,500	Mexico.....	11,000	7,000	10,500
United States.....	143,835	215,275	140,025	South Africa.....	20,639	34,104	29,000
Yugoslavia.....	12,873	12,148	7,000	Turkey.....	150,000	140,000	150,000
Total.....	221,960	275,384	205,825	United States.....	315,860	366,665	322,910
				Total.....	666,811	728,812	667,410

¹ 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. 4

Table 333.—Fruits, frozen: Commercial pack, by kinds and areas, United States, 1990 ¹

Commodity	Northeast ²	South ³	Midwest ⁴	West ⁵	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Apples.....	38,546		41,407	45,587	125,540
Apricots.....				16,512	16,512
Cherries, sweet.....			858	12,837	13,695
Peaches.....				^{10 11} 111,203	111,203
Plums and prunes.....			986		986
Purees, noncitrus ⁶			^{9 10} 1,932	40,520	42,452
Berries:					
Blackberries.....				^{10 11} 13,715	13,715
Blueberries.....	⁹ 60,683		34,033	7,425	102,141
Boysenberries.....				7,278	7,278
Loganberries.....				964	964
Raspberries, black.....			¹⁰ 1,682		1,682
Raspberries, red.....				^{10 11} 26,289	26,289
Strawberries.....			⁹ 4,321	301,603	305,924
Citrus juices ⁷		1,346,406			1,346,406
Miscellaneous fruits and berries ⁸				^{9 11} 125,513	125,513
Total.....	99,229	1,346,406	85,219	709,446	2,240,300

¹ Includes the commercial pack only and does not include quantities produced in frozen food locker plants. ² Connecticut, Maine, Massachusetts, New Jersey, New York, Pennsylvania, Rhode Island and Vermont. ³ Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. ⁴ Illinois, Indiana, Michigan, Minnesota, Nebraska, Ohio, and Wisconsin. ⁵ Arizona, California, Colorado, Hawaii, Idaho, Montana, Oregon, Utah, and Washington. ⁶ 1990 data includes purees of apricots, apple, banana, blackberry, blueberry, boysenberry, cherry, cranberry, evergreen berry, gooseberry, grape, guava, loganberry, marionberry, peach, plum, black and red raspberry, and strawberry. ⁷ Calendar year estimate. (See table 280 for packs of concentrated grapefruit and orange juice in gallons, pack-year basis.) ⁸ 1990 data includes avocado, cantaloupe, cranberries, gooseberries, grapes, honeydew, marionberries, mixed fruit, lallieberries, oranges, pears, pineapple, RSP cherries (74.152 pounds), and watermelon. ⁹ Includes pack in South. ¹⁰ Includes pack in Northeast. ¹¹ Includes pack in Midwest.

Economic Research Service. Data from American Frozen Food Institute and Florida Citrus Processor Association.

Table 334.—Fruits, frozen: Commercial pack, United States, 1981-90

Commodity	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
	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
Apples.....	105,893	100,378	75,576	77,996	85,481	111,133	122,399	117,076	123,260	125,540
Apricots.....	13,606	16,766	14,077	16,565	11,770	14,308	22,227	14,675	17,564	16,512
Cherries, sweet.....	14,209	17,206	17,303	13,282	10,262	14,404	21,332	18,482	14,010	13,695
Grapes and pulp.....	2,901	8,442	10,006	(¹)	4,715	(¹)	(¹)	(¹)	(¹)	(¹)
Peaches.....	59,612	56,714	56,454	75,877	80,990	100,730	105,764	110,286	99,217	111,203
Plums and prunes.....	4,348	5,631	2,646	3,436	4,400	4,354	657	507	753	986
Purees, noncitrus.....	16,128	20,268	16,169	15,645	24,655	29,424	39,749	24,707	28,686	42,452
Berries:										
Blackberries.....	16,997	16,283	14,581	11,130	12,681	12,955	21,027	21,437	13,765	13,715
Blueberries.....	50,141	46,464	43,528	54,835	54,506	77,754	69,153	82,382	89,274	102,141
Boysenberries.....	3,627	5,101	3,549	3,524	2,561	5,493	5,234	6,706	4,936	7,278
Currants.....	330	555	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Loganberries.....	1,552	1,665	2,223	1,018	775	1,133	1,016	1,461	720	964
Ollalieberries.....	374	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Raspberries.....	26,179	26,717	19,855	19,659	14,784	15,323	26,471	26,509	29,284	27,971
Strawberries.....	210,558	272,676	292,682	231,414	229,152	237,604	334,406	274,610	238,152	305,924
Citrus juices ²	1,809,524	1,643,272	1,726,906	1,223,389	1,402,320	1,551,722	1,599,370	2,096,657	1,928,605	1,346,406
Miscellaneous fruits and berries.....	17,324	20,004	5,640	37,839	16,148	22,960	80,727	130,908	145,070	125,513
Total.....	2,353,303	2,258,142	2,301,175	1,785,609	1,955,200	2,199,297	2,449,532	2,926,403	2,733,296	2,240,300

¹ Included in miscellaneous fruits and berries. ² 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, 1989 and 1990

Month	Fresh		Frozen					
	Apples		Apples		Blueberries		Cherries	
	1989	1990	1989	1990	1989	1990	1989	1990
	<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.....	2,659,650	2,571,666	72,633	74,009	61,401	64,227	135,233	133,383
February.....	2,099,785	2,024,557	76,406	84,500	54,144	57,823	123,697	118,088
March.....	1,545,860	1,399,611	8,031	90,656	45,287	49,370	106,619	102,519
April.....	1,069,119	1,004,321	81,723	87,957	38,322	42,893	96,001	91,940
May.....	619,315	589,836	73,961	82,002	30,860	36,760	84,473	78,063
June.....	347,287	283,943	64,202	72,922	24,563	30,478	72,092	67,587
July.....	174,923	118,867	49,418	61,722	30,119	30,923	157,052	141,272
August.....	7,965	8,757	47,064	48,925	71,411	93,617	212,941	141,665
September.....	2,260,874	3,004,957	32,330	43,404	83,458	101,627	202,739	128,944
October.....	4,468,106	4,589,912	42,745	48,601	82,083	90,636	189,136	115,182
November.....	3,852,958	4,003,699	51,582	63,262	76,158	80,183	178,315	100,916
December.....	3,220,812	3,378,312	62,048	77,155	71,580	73,332	162,476	88,367

Month	Frozen—Continued					
	Strawberries		Total frozen fruit		Orange juice	
	1989	1990	1989	1990	1989	1990
	<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.....	205,421	142,684	836,532	727,891	980,918	931,180
February.....	182,143	130,622	759,278	661,952	1,155,880	1,077,251
March.....	154,509	123,519	668,600	609,193	1,086,959	1,131,627
April.....	151,161	146,703	602,129	594,184	1,144,769	1,170,046
May.....	185,078	192,118	574,288	582,785	1,323,309	1,176,043
June.....	260,082	298,442	608,829	653,189	1,324,844	1,074,805
July.....	257,909	311,369	722,248	790,847	1,167,491	1,008,075
August.....	245,595	295,623	842,375	856,611	932,615	901,380
September.....	228,186	281,973	859,530	865,807	808,396	789,347
October.....	205,371	247,991	943,189	953,208	725,650	799,628
November.....	185,344	213,719	907,815	883,070	669,691	871,340
December.....	167,233	198,333	805,228	837,979	745,024	1,031,610

National Agricultural Statistics Service.

Table 336.—Canned fruits and fruit juices: ¹ Canners' stock, United States, 1987-90

Commodity	Season beginning—	1987	1988	1989	1990
		<i>1,000 cases</i>	<i>1,000 cases</i>	<i>1,000 cases</i>	<i>1,000 cases</i>
Canned fruits: ¹					
Apricots.....	June 1.....	38	132	(³)	(³)
Cherries, red pitted.....	July 1.....	38	40	(³)	(³)
Cherries, sweet.....	June 1.....	96	151	(³)	(³)
Peaches, clingstone.....	June 1.....	3,334	1,352	(³)	(³)
Pears.....	June 1.....	1,666	1,981	(³)	(³)
Purple plums.....	June 1.....	317	184	(³)	(³)
Fruit cocktail.....	June 1.....	2,971	2,251	(³)	(³)
Canned juices: ²					
Grapefruit.....	Oct. 1.....	1,470	1,322	1,394	799
Orange.....	Oct. 1.....	1,025	856	792	615
Blended orange and grapefruit.....	Oct. 1.....	126	117	116	76

¹ 24/2½ cases. ² Florida only 24/2 cases. ³ Not available.

Economic Research Service. Commodity Economic Division.

Table 337.—Fruits: Total and per capita consumption, United States, 1976-90 ¹

Year	Fruits used fresh							
	Total fruit		Citrus fruit ²		Noncitrus fruits ³		Canned fruits ⁴	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1976.....	18,328	84.0	6,330	29.0	11,998	54.9	3,183	14.6
1977.....	17,938	81.3	5,784	26.3	12,154	55.1	3,370	15.3
1978.....	18,671	83.8	5,909	26.6	12,762	57.2	3,406	15.3
1979.....	18,755	83.2	5,557	24.7	13,198	58.5	3,488	15.5
1980.....	20,531	90.0	6,573	28.9	13,958	61.1	3,416	15.0
1981.....	19,996	86.8	5,750	25.0	14,246	61.9	2,966	12.9
1982.....	20,373	87.6	5,748	24.7	14,625	62.8	3,204	13.8
1983.....	21,874	93.2	6,906	29.5	14,968	63.6	2,999	12.8
1984.....	21,697	91.6	5,681	24.0	16,016	67.6	2,907	12.3
1985.....	21,341	89.4	5,402	22.7	15,940	66.7	3,029	12.7
1986.....	23,107	95.9	6,270	26.1	16,837	69.8	3,104	12.9
1987.....	24,595	101.2	6,255	25.8	18,340	75.4	2,302	13.6
1988.....	24,338	99.2	6,479	26.4	17,859	72.7	3,235	13.2
1989.....	24,574	99.2	6,154	24.9	18,420	74.3	3,314	13.4
1990 ⁵	23,124	92.3	5,641	22.6	17,483	69.7	3,375	13.5

Year	Canned juice ⁶		Chilled juice ⁷		Frozen fruit and juice ⁸		Dried fruits ⁹	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1976.....	1,616	7.4	1,315	6.0	2,934	12.8	520	2.4
1977.....	1,514	6.9	1,237	5.6	3,063	13.9	516	2.3
1978.....	1,796	8.1	1,335	6.0	2,764	12.4	466	2.1
1979.....	1,696	7.5	1,214	5.4	2,801	12.5	491	2.2
1980.....	1,646	7.2	1,319	5.8	2,922	12.8	502	2.2
1981.....	1,635	7.1	944	4.1	2,902	12.6	538	2.3
1982.....	1,349	5.8	806	3.5	3,256	14.0	561	2.4
1983.....	1,124	4.8	961	4.1	3,531	15.1	569	2.4
1984.....	1,051	4.4	862	3.6	3,188	13.5	640	2.7
1985.....	903	3.8	762	3.2	3,614	15.1	650	2.7
1986.....	852	3.5	909	3.8	3,876	16.1	620	2.6
1987.....	878	3.6	1,086	4.5	3,782	15.6	704	2.9
1988.....	834	3.4	1,244	5.1	3,797	15.4	762	3.1
1989.....	389	1.6	1,613	6.5	3,596	14.5	766	3.1
1990 ⁵	450	1.8	1,576	6.3	3,018	12.1	(¹⁰)	(¹⁰)

¹ Fresh citrus fruits, canned fruit, canned juice, and chilled juice 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. ² Oranges, tangerines, tangelos, temple lemons, limes, and grapefruits. ³ Apples, apricots, avocados, bananas, cherries, cranberries, figs, grapes, beginning 1983 included kiwifruit, mangoes, nectarines, peaches, pears, pineapples, papayas, plums and prunes, strawberries, and miscellaneous fruits. ⁴ Apricots, cherries, fruit cocktail and salads, peaches, pears, plums and prunes, and olives. ⁵ Preliminary. ⁶ Orange, grapefruit, blended citrus, lemon and limes, fruit nectars, grapes, and prunes, beginning 1989 excludes noncitrus juices. ⁷ Orange and grapefruit. ⁸ Cherries, apples, peaches, apricots, strawberries, other berries, grapes and pulp, miscellaneous fruits and citrus juice. ⁹ Apricots, peaches, pears, dates, figs, prunes, and raisins. Excludes unmerchantable figs, substandard prunes, and prunes used for juice and concentrate. Dried data are in terms of processed dried weight. ¹⁰ Not available.

Table 338.—All tree nuts: Supply and utilization, United States, 1976-91

Season ¹	Shelled basis										
	Utilized production	Loss and exempt ²	Market-able production ³	Im-ports	Begin-ning stocks ⁴	Mar-ket re-serve	Total supply ⁵	Ending stocks ⁶	Ex-ports	Domestic consumption	
										Total	Per capita
	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	Pounds
1976/77	480,756	26,713	454,042	161,380	136,100	0	751,522	112,634	218,126	420,762	1.92
1977/78	578,190	29,133	548,777	106,371	112,634	0	767,782	154,465	233,167	380,150	1.72
1978/79	424,319	19,322	404,837	124,753	154,465	0	684,055	125,022	174,648	384,385	1.72
1979/80	644,027	28,186	614,202	121,923	125,022	0	861,147	165,572	294,345	401,230	1.77
1980/81	587,785	18,151	569,632	101,117	165,572	0	836,321	162,132	261,980	412,209	1.80
1981/82	766,043	26,964	739,080	92,598	162,132	0	993,810	268,520	279,731	445,559	1.93
1982/83	674,713	17,485	657,230	122,721	268,520	6,620	1,048,471	310,088	234,339	504,044	2.16
1983/84	536,490	23,628	512,863	146,435	310,088	6,650	969,386	218,193	219,322	531,871	2.26
1984/85	881,126	27,957	853,165	139,944	218,193	28,180	1,211,302	328,205	318,111	564,986	2.38
1985/86	786,820	22,110	764,710	151,204	328,205	44,400	1,244,119	277,000	392,962	574,157	2.40
1986/87	572,915	15,962	556,950	143,094	277,000	0	977,044	180,060	240,643	556,341	2.30
1987/88	1,031,469	26,816	1,004,653	132,705	180,060	114,220	1,317,418	353,879	426,277	537,262	2.30
1988/89	968,281	27,650	940,581	126,952	353,879	141,130	1,421,412	399,100	455,472	566,840	2.30
1989/90	832,169	34,477	797,691	154,271	399,100	0	1,351,062	324,601	445,526	580,935	2.34
1990/91 ⁷	1,017,705	33,011	984,694	193,783	324,601	44,100	1,503,078	397,896	483,586	621,596	2.47

¹ Beginning July 1 for almonds, hazelnuts, and pecans; August 1 for walnuts; September 1 for pistachios; and January 1 for macadamias and all others. Other tree nuts include Brazil, pignolias, chestnuts, cashews, and miscellaneous. ² Utilized production minus marketable production which in part is inedibles and noncommercial usage. ³ Marketable production is used to calculate consumption which excludes inedibles and noncommercial usage. ⁴ Previous year's ending stocks. ⁵ Marketable production plus imports plus beginning stocks. ⁶ Total supply minus exports and domestic consumption. ⁷ Preliminary estimates.

Economic Research Service. Commodity Economics Division.

Table 339.—Tree nuts: Commercial production in specified countries, 1988/89-90/91

Commodity and country	1988/89	1989/90	1990/91 ¹	Commodity and country	1988/89	1989/90	1990/91 ¹
	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	19.0	17.2	14.0	Turkey	410.0	520.0	380.0
Italy	14.0	18.0	21.0	United States	15.0	11.8	19.7
Morocco	7.4	11.1	9.0	Total	582.5	701.8	500.7
Portugal	.9	3.5	3.0	Walnuts (in the shell):			
Spain	40.0	90.0	55.0	China	177.1	160.1	196.0
Turkey	14.0	15.0	13.0	France	21.5	26.2	26.0
United States	267.6	222.3	299.4	India	18.0	17.0	20.0
Total	362.9	377.1	414.4	Italy	11.0	18.0	18.0
Filberts (in the shell):				Turkey	64.0	62.0	63.0
Italy	140.0	140.0	80.0	United States	189.6	207.7	205.9
Spain	17.5	30.0	21.0	Total	481.2	491.0	528.9

¹ 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 340.—Almonds (shelled basis): Production, marketing year average price per pound, and value, California, 1976-90

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>
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	158.0	575,280	1987	660.0	100.0	648,000
1980	322.0	147.0	473,340	1988	590.0	105.0	600,075
1981	408.0	78.0	299,520	1989	490.0	102.0	480,930
1982 ¹	347.0	94.0	311,140	1990 ²	660.0	92.0	591,560
1983 ¹	242.0	104.0	231,920				

¹ 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—13.5; 1985—14.3; 1986—9.80; 1987—12.0; 1988—18.5; 1989—18.5, 1990—17.0. ² Preliminary.

National Agricultural Statistics Service.

Table 341.—Almonds (shelled basis ¹): Foreign trade, United States, 1976-89

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>
1976	605	60,962	1981	54	76,005	1986	719	73,653
1977	92	62,318	1982	375	57,974	1987	174	150,191
1978	215	43,115	1983	67	63,406	1988	150	136,177
1979	63	86,706	1984	110	128,484	1989	26	144,633
1980	23	75,008	1985	185	119,982			

¹ Imports of unshelled nuts converted to shelled basis at ratio of 1.67 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 1.67 to 1.0.

Economic Research Service. Commodity Economic Division.

Table 342.—Hazelnuts (in-shell basis): Production, marketing year average price per ton, and value, United States, 1976-90

Year	Oregon			Washington			Oregon and Washington		
	Production	Price	Value	Production	Price	Value	Production	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>
1976	6,950	640	4,448	220	635	140	7,170	640	4,588
1977	11,400	687	7,882	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	21,500	956	20,554	300	1,160	348	21,800	959	20,902
1988	16,300	853	13,904	200	891	178	16,500	853	14,082
1989	12,800	817	10,458	200	1,030	206	13,000	820	10,664
1990 ¹	21,500	783	16,835	200	881	176	21,700	784	17,011

¹ Preliminary.

National Agricultural Statistics Service.

Table 343.—Hazelnuts (shelled basis ¹): Foreign trade, United States, 1976-89

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>
1976	5,831	605	1981	2,494	1,520	1986	1,844	2,579
1977	3,447	993	1982	2,760	1,551	1987	1,797	3,281
1978	4,029	1,496	1983	4,013	1,245	1988	4,373	2,210
1979	2,118	3,025	1984	3,498	1,271	1989	3,034	2,109
1980	1,728	2,137	1985	1,780	3,766			

¹ 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. Commodity Economic Division.

Table 344.—Macadamia nuts (in-shell basis): Area, yield, production, price, and value, Hawaii, 1976-90

Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value	Year	Area harvested	Yield per harvested 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>	Cents	1,000 dollars
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	15,600	2.7	42,700	84.0	35,868
1980	10,000	3.3	33,390	72.4	24,174	1988	16,600	2.7	45,500	90.0	40,950
1981	10,000	3.3	33,360	79.3	26,454	1989	18,200	2.8	50,500	89.0	44,945
1982	10,200	3.6	36,720	73.9	27,136	1990 ¹	18,400	2.7	50,000	82.0	41,000
1983	10,600	3.4	36,420	65.7	23,928						

¹ Preliminary.

National Agricultural Statistics Service.

Table 345.—Pecans (in-shell basis): Production, marketing year average price per pound, and value, United States, 1976-90

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>
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	179,650	60.1	107,953	82,550	37.7	31,156	262,200	53.1	139,109
1988	185,500	62.6	116,210	122,700	51.1	50,448	308,200	54.1	166,658
1989 ¹	161,000	78.6	126,491	73,200	43.8	39,350	250,500	71.5	179,040
1990 ²	143,500	128.0	184,135	41,250	90.2	37,212	205,000	121.0	247,590

¹ Arizona, Kansas, Missouri, and Tennessee added to program in 1989. No breakdown between improved varieties and native and seedling varieties available. These States totaled 16.3 million pounds, 80.9 cents a pound and a value of production of 13.179 million dollars for the 1989 crop. ² Preliminary.

National Agricultural Statistics Service.

Table 346.—Pecans (in-shell basis): Production and marketing year average price per pound, by States, 1988-90

Item and State	Production			Price for crop of—		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 pounds	1,000 pounds	1,000 pounds	Cents	Cents	Cents
IMPROVED VARIETIES ²						
AL.....	6,000	13,000	4,000	58.0	50.0	97.0
AR.....	1,900	100	100	55.0	80.0	102.0
CA.....	2,200	2,000	2,800	70.0	90.2	125.0
FL.....	3,400	4,000	2,000	61.0	59.0	110.0
GA.....	95,000	69,000	56,000	62.4	70.0	119.0
LA.....	4,500	2,500	1,500	41.0	68.0	120.0
MS.....	6,500	5,500	1,800	55.0	66.0	140.0
NM.....	26,000	29,000	34,000	67.0	103.0	153.0
NC.....	3,500	300	100	68.0	75.0	125.0
OK.....	2,500	1,000	800	64.6	98.2	114.0
SC.....	4,000	600	400	61.4	73.3	109.0
TX.....	30,000	34,000	40,000	65.0	90.0	125.0
US.....	185,500	161,000	143,500	62.6	78.6	128.0
NATIVE AND SEEDLING						
AL.....	4,000	9,000	1,000	41.0	44.0	68.0
AR.....	1,100	900	150	37.0	55.0	95.0
FL.....	2,600	3,000	1,600	37.0	43.0	80.0
GA.....	15,000	16,000	9,000	43.8	47.2	88.0
LA.....	17,500	11,500	4,500	38.0	51.0	85.0
MS.....	3,500	3,000	400	37.0	47.0	80.0
NC.....	2,000	400	300	50.0	55.0	100.0
OK.....	44,500	8,000	4,200	42.2	59.1	87.0
SC.....	2,500	400	100	45.8	44.9	90.0
TX.....	30,000	21,000	20,000	40.0	65.0	95.0
US.....	122,700	73,200	41,250	41.1	53.8	90.2
ALL PECANS						
AL.....	10,000	22,000	5,000	51.2	47.5	91.2
AR.....	3,000	1,000	250	48.4	57.5	98.0
CA.....	2,200	2,000	2,800	70.0	90.2	125.0
FL.....	6,000	7,000	3,600	50.6	52.1	96.7
GA.....	110,000	85,000	65,000	59.9	65.7	115.0
LA.....	22,000	14,000	6,000	38.6	54.0	93.8
MS.....	10,000	8,500	2,200	48.7	59.3	129.0
NM.....	26,000	29,000	34,000	67.0	103.0	153.0
NC.....	5,500	700	400	61.5	63.6	106.0
OK.....	47,000	9,000	5,000	43.4	63.4	91.3
SC.....	6,500	1,000	500	55.4	62.0	105.0
TX.....	60,000	55,000	60,000	52.5	80.5	115.0
Other States ³	16,300	20,250	.....	.....	81.0	130.0
US.....	308,200	250,500	205,000	54.1	71.5	121.0

¹ Preliminary. ² Budded, grafted or topworked varieties. ³ AZ, KS, MO, and TN beginning with the 1989 crop. No breakdown between improved varieties and native and seedling varieties is available.

National Agricultural Statistics Service.

Table 347.—Pecans (shelled basis ¹): Foreign trade, United States, 1976-89

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
1976.....	1,612	1,066	1981.....	220	1,352	1986.....	3,938	1,229
1977.....	232	1,637	1982.....	384	2,665	1987.....	5,345	1,961
1978.....	617	1,540	1983.....	2,244	1,548	1988.....	757	2,641
1979.....	300	1,539	1984.....	1,336	931	1989.....	6,391	5,062
1980.....	478	2,021	1985.....	5,181	968			

¹ Imports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.

Economic Research Service, Commodity Economic Division.

Table 348.—Walnuts (English): Production, marketing year average price per ton, and value, United States, 1976-90

Year	California			Oregon			California and Oregon		
	Production	Price	Value	Production	Price	Value	Production	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>
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	(¹)	(¹)	(¹)			
1979.....	208,000	847	176,176						
1980.....	197,000	936	184,392						
1981.....	225,000	1,014	228,150						
1982.....	234,000	1,020	238,680						
1983.....	199,000	631	125,569						
1984.....	213,000	730	155,490						
1985.....	219,000	798	174,762						
1986.....	180,000	1,080	194,400						
1987.....	247,000	984	243,048						
1988.....	209,000	922	192,698						
1989.....	229,000	1,070	245,030						
1990 ²	227,000	1,010	229,270						

¹ Estimates discontinued after 1977 crop. ² Preliminary.
National Agricultural Statistics Service.

Table 349.—Walnuts (shelled basis ¹): Foreign trade, United States, 1976-89

Year beginning October	Imports		Year beginning October	Imports		Year beginning October	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>
1976.....	24	16,741	1981.....	37	23,614	1986.....	1,261	29,216
1977.....	66	7,574	1982.....	107	17,392	1987.....	158	29,161
1978.....	533	12,826	1983.....	31	17,713	1988.....	72	31,646
1979.....	98	18,541	1984.....	165	24,509	1989.....	66	34,912
1980.....	4	21,772	1985.....	43	24,109			

¹ Imports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.

Economic Research Service, Commodity Economic Division.

Table 350.—Cacao beans: United States imports by country of origin, 1988-90

Continent and country	1988	1989	1990	Continent and country	1988	1989	1990
	<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.....	257	302	102	Nigeria.....	20,456	32,867	16,024
Dominican Republic.....	43,444	33,293	43,742	Cote d'Ivoire.....	51,740	56,309	85,763
Guatemala.....	939	332	2	Ghana.....	12,656	19,228	28,309
Haiti.....	1,077	816	734	Other countries.....	1,567	2,633	0
Mexico.....	1,188	0	0	Total.....	86,419	111,037	130,096
Trinidad and Tobago.....	872	814	1,626	Asia and Oceania:			
Other countries.....	1,745	2,112	2,142	Indonesia.....	1,993	11,653	35,000
Total.....	49,522	37,669	48,348	Malaysia.....	32,083	21,286	21,011
South America:				Papua New Guinea.....	7,635	10,495	10,850
Brazil.....	21,975	38,908	47,327	Other countries.....	719	1,838	3,117
Colombia.....	4,030	2,555	1,350	Total.....	42,430	45,272	69,978
Ecuador.....	31,911	29,520	38,868	Europe	288	390	385
Venezuela.....	170	795	844	Grand total.....	236,745	266,146	337,196
Other countries.....	0	0	0				
Total.....	58,086	71,778	88,389				

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

Table 351.—Cacao beans: Exports from principal producing countries, 1987-89

Continent and country	1987	1988	1989 ¹	Continent and country	1987	1988	1989 ¹
	<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	880	1,265	862	Ghana	198,388	203,254	278,000
Dominican Republic	38,914	46,670	40,615	Ivory Coast	470,000	371,500	470,000
Grenada	1,714	1,572	1,367	Liberia	3,100	4,300	3,000
Haiti	2,740	2,700	2,800	Madagascar	2,963	3,691	2,600
Honduras	2,241	1,633	2,400	Nigeria	101,000	203,000	120,000
Jamaica	1,852	1,666	1,084	Sao Tome and Principe	2,760	4,053	4,300
Mexico	2,166	3,078	0	Sierra Leone	8,779	8,531	8,000
Trinidad and Tobago	55	48	31	Tanzania	1,351	1,340	1,600
Other countries	2,641	1,166	1,066	Togo	12,000	10,825	6,537
Total	53,203	59,798	50,225	Uganda	370	230	400
				Zaire	4,758	4,330	4,248
				Total	927,220	942,548	1,007,635
South America:				Asia and Oceania:			
Brazil	143,482	134,490	107,167	Indonesia	37,228	57,357	67,588
Colombia	8,608	12,595	6,812	Malaysia	157,433	189,387	169,261
Ecuador	44,121	45,264	46,669	Papua New Guinea	34,486	37,400	46,200
Venezuela	5,759	5,676	5,341	Nigeria	2,620	3,254	3,513
Total	201,970	198,025	165,989	Sri Lanka	804	135	121
				Vanuatu	1,243	813	1,700
Africa:				Western Samoa	852	493	536
Benin	6,070	500	100	Total	234,666	288,839	288,919
Cameroon	104,796	116,102	100,000	Grand total	1,417,059	1,489,210	1,512,768
Comoro Islands	50	50	50				
Congo	921	900	900				
Equatorial Guinea	8,169	8,100	6,000				
Gabon	1,745	1,842	1,900				

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

Table 352.—Coffee: Area, yield, production, marketing year average price, and value, Hawaii, 1976-77 to 1990-91

Season	Area harvested	Yield per harvested acre	Production	Price per pound	Value	Season	Area harvested	Yield per harvested acre	Production	Price per pound	Value
	<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>
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	2.80	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	2,050	.9	1,800	2.70	4,860
1980-81	1,700	.9	1,440	1.60	2,304	1988-89	2,150	.9	2,000	3.30	6,600
1981-82	1,700	1.3	2,210	2.00	4,420	1989-90	2,300	1.4	3,200	3.90	12,480
1982-83	1,900	.5	990	2.15	2,123	1990-91 ¹	2,400	1.1	2,700	2.60	7,020
1983-84	1,800	1.6	2,800	2.25	6,300						

¹ Preliminary.

National Agricultural Statistics Service.

Table 353.—Coffee: United States imports by country of origin, 1988-90 ¹

Continent and country	1988	1989	1990 ²	Continent and country	1988	1989	1990 ²
	<i>1,000 bags</i>	<i>1,000 bags</i>	<i>1,000 bags</i>		<i>1,000 bags</i>	<i>1,000 bags</i>	<i>1,000 bags</i>
North America:				Africa—Con.			
Costa Rica.....	233	400	403	Cote d'Ivoire.....	654	335	206
Dominican Republic.....	366	402	445	Ethiopia.....	218	432	234
El Salvador.....	829	790	843	Kenya.....	143	182	168
Guatemala.....	605	1,396	1,871	Madagascar.....	4	12	2
Honduras.....	141	200	503	Rwanda.....	58	33	238
Mexico.....	1,719	3,937	3,305	Uganda.....	481	458	246
Other countries.....	78	72	81	Zaire.....	12	0	20
Total.....	3,971	7,197	7,451	Other countries.....	61	90	52
				Total.....	1,695	1,633	1,341
South America:				Asia and Oceania:			
Brazil.....	4,213	4,155	3,623	India.....	127	220	191
Colombia.....	2,235	2,413	2,771	Indonesia.....	731	635	830
Ecuador.....	801	1,158	876	Papua, New Guinea.....	15	32	42
Peru.....	435	672	473	Philippines.....	298	362	107
Venezuela.....	72	87	222	Thailand.....	296	355	1,203
Other countries.....	79	55	15	Other countries.....	55	54	78
Total.....	7,835	8,540	7,980	Total.....	1,522	1,658	2,451
Africa:				Other countries.....	311	354	343
Burundi.....	14	37	81	Grand total.....	15,334	19,382	19,566
Cameroon.....	50	54	94				

¹ Green coffee only; does not include roasted or soluble.² Preliminary.

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

Table 354.—Coffee: Exports from principal producing countries, 1987-89 ¹

Continent and country of origin	1987	1988	1989 ²	Continent and country of origin	1987	1988	1989 ²
	<i>1,000 bags</i>	<i>1,000 bags</i>	<i>1,000 bags</i>		<i>1,000 bags</i>	<i>1,000 bags</i>	<i>1,000 bags</i>
North America:				Africa—Con.			
Costa Rica.....	2,273	2,019	2,302	Central African Republic..	194	242	330
Dominican Republic.....	506	439	530	Ethiopia.....	1,226	1,408	1,699
El Salvador.....	2,580	2,051	1,616	Guinea.....	78	89	99
Guatemala.....	2,466	2,479	3,068	Cote d'Ivoire.....	2,815	3,660	2,623
Haiti.....	208	276	210	Kenya.....	1,600	1,383	1,790
Honduras.....	1,451	1,263	1,420	Madagascar.....	802	675	962
Mexico.....	3,652	2,775	4,402	Rwanda.....	730	499	703
Nicaragua.....	654	549	611	Tanzania.....	791	613	822
Total.....	13,790	11,851	14,159	Togo.....	217	350	265
				Uganda.....	2,517	2,404	2,938
South America:				Zaire.....	1,774	915	1,988
Brazil.....	18,847	17,082	18,378	Total.....	14,470	14,029	15,662
Colombia.....	11,284	9,784	10,826	Asia and Oceania:			
Ecuador.....	1,863	1,404	1,769	India.....	1,563	1,476	2,048
Peru.....	1,165	825	1,431	Indonesia.....	4,841	4,994	5,942
Venezuela.....	212	162	180	Papua New Guinea.....	1,071	748	1,319
Total.....	33,371	29,257	32,584	Philippines.....	271	439	431
Africa:				Thailand.....	378	461	384
Angola.....	269	178	125	Total.....	8,124	8,118	10,624
Cameroon.....	1,407	1,633	1,318	Grand total.....	69,755	63,255	73,029

¹ Mostly green coffee, some countries include soluble or roasted.² Preliminary.

Foreign Agricultural Service, International Coffee Organization.

Table 355.—Tea: United States imports by country of origin, 1988-90

Continent and country	1988	1989	1990 ¹	Continent and country	1988	1989	1990 ¹
	<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:				Asia and Oceania—Con.			
Canada.....	1,389	406	166	Hong Kong.....	318	714	646
Total.....	1,389	406	166	India.....	3,625	2,914	2,565
Central and South America:				Indonesia.....	14,380	12,293	10,650
Argentina.....	13,815	17,219	17,100	Japan.....	1,146	570	277
Brazil.....	4,147	4,735	3,882	Papua New Guinea.....	321	571	822
Ecuador.....	1,580	445	341	Sri Lanka.....	5,919	5,693	3,802
Other countries.....	354	489	300	Other countries.....	279	4,431	1,883
Total.....	19,896	22,888	21,623	Total.....	49,979	47,717	42,070
Europe:				Africa:			
Germany.....	5,198	5,731	4,985	Kenya.....	6,198	6,005	3,996
Netherlands.....	3,843	2,508	2,693	Malawi.....	1,645	1,871	1,585
United Kingdom.....	513	404	581	Mozambique.....	66	21	10
Other countries.....	133	230	476	Rwanda.....	680	1,005	794
Total.....	9,687	8,873	8,675	South Africa.....	31	158	75
Asia and Oceania:				Tanzania.....	159	93	91
China.....	22,950	19,641	19,620	Other countries.....	414	545	683
Taiwan.....	1,041	890	1,805	Total.....	9,198	9,698	7,234
				Grand total.....	90,144	89,582	79,768

¹ Preliminary.

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

Table 356.—Tea: Exports from principal producing countries, 1987-89

Continent and country	1987	1988	1989 ¹	Continent and country	1987	1988	1989 ¹
	<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.....	33,647	34,258	43,335	Bangladesh.....	21,606	26,187	23,426
Brazil.....	8,073	9,686	9,400	China.....	174,274	198,289	204,584
Ecuador.....	1,075	205	320	Taiwan.....	7,375	7,631	6,933
Total.....	42,795	44,149	53,055	India.....	201,891	221,540	220,690
Africa:				Indonesia.....	90,422	92,687	114,709
Burundi.....	4,265	3,659	3,696	Japan.....	1,107	1,260	671
Kenya.....	134,963	138,201	163,188	Malaysia.....	896	806	850
Malawi.....	33,404	36,961	39,891	Papua New Guinea.....	5,491	5,829	5,500
Mauritius.....	6,595	5,436	4,638	Sri Lanka.....	200,774	219,710	203,763
Mozambique.....	2,100	830	1,200	Turkey.....	177	234	24,943
Rwanda.....	12,008	12,218	12,996	Vietnam.....	13,000	13,500	13,500
Tanzania.....	11,441	10,034	12,015	Total.....	717,013	787,673	819,569
Uganda.....	2,079	3,073	3,134	Grand total.....	978,552	1,058,592	1,129,582
Zaire.....	1,784	2,163	2,200				
Zimbabwe.....	10,105	14,190	14,000				
Total.....	218,744	226,770	256,958				

¹ Preliminary.

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

Table 357.—Mushrooms: Area, production, marketing year average price, and value, United States, 1977/78-1990/91 ¹

Year ²	Area in production	Production	Price per pound	Value of production		
				Total	Fresh market	Processing
	1,000 sq. ft.	1,000 pounds	Cents	1,000 dollars	1,000 dollars	1,000 dollars
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	366,597	245,201	123,336
1980-81.....	140,346	469,576	79.8	374,499	250,439	114,060
1981-82.....	141,326	517,146	81.0	418,706	308,805	109,901
1982-83.....	135,395	490,826	87.9	481,421	338,048	93,373
1983-84.....	142,810	561,531	86.6	486,388	374,327	112,061
1984-85.....	139,133	595,681	82.9	493,648	392,762	103,886
1985-86.....	129,555	587,956	82.9	493,093	404,914	83,179
1986-87.....	129,496	615,387	86.5	521,658	443,037	98,621
1987-88.....	130,527	631,819	86.1	544,300	444,987	99,333
1988-89.....	132,659	667,759	89.3	596,338	474,675	121,663
1989-90.....	137,861	714,992	90.2	644,738	512,055	132,683
1990-91.....	141,470	749,488	86.5	648,259	502,311	145,948

¹ Area, production, price, and value estimates are primarily *Agaricus*, but also include specialty mushrooms through 1986-87. Statistics after 1986-87 are for *Agaricus* only. ² 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, 1981-90

Country	1981	1982	1983 ¹	1984 ¹	1985 ¹	1986 ¹	1987 ¹	1988 ¹	1989 ¹	1990 ¹
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
Canada.....	8	35	42	5	11	64	31	7	452	1,277
China.....	12,449	16,617	16,639	20,530	20,854	22,021	28,438	23,925	26,267	5,846
Taiwan.....	11,030	17,345	19,289	18,072	22,162	23,763	26,200	11,590	9,327	10,253
India.....	0	10	0	8	14	81	4	78	1,325	71
Thailand.....	10	73	21	125	93	238	251	336	788	2,063
France.....	70	50	257	798	209	118	92	107	78	184
Hong Kong.....	10,651	7,379	7,745	10,128	14,073	18,840	9,800	7,518	7,834	10,059
Netherlands.....	1	1	335	2,302	1,281	455	233	76	958	1,095
Japan.....	167	114	179	355	283	174	212	58	151	159
Korea, Rep. of.....	4,276	2,350	3,624	5,283	4,563	3,503	2,037	1,613	813	1,944
Macao.....	1,040	1,511	1,500	854	546	913	1	0	0	0
Indonesia.....	0	0	1	0	401	970	1,412	3,983	4,235	8,566
Spain.....	78	16	1,047	6,967	4,795	1,998	2,201	2,523	3,300	3,527
Other.....	73	109	137	824	464	799	603	680	810	984
Total.....	39,853	45,610	50,816	76,251	69,749	73,937	71,515	52,494	56,338	46,028

¹ Includes straw mushrooms.

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

Table 359.—Specialty mushrooms: Number of growers, total production, volume of sales, price per pound, and value of sales, July 1–June 30 ¹

Year and variety	Growers	All sales			
		Total production ²	Volume of sales ³	Price per pound	Value of sales
	Number	1,000 pounds	1,000 pounds	Dollars	1,000 dollars
1988–89					
Shiitake.....		3,724	3,542	4.71	16,669
Oyster.....		1,512	1,439	2.72	3,920
Other.....		564	533	2.68	1,427
US.....	233	5,800	5,514	3.99	22,016
1989–90					
Shiitake.....		3,968	3,754	4.43	16,616
Oyster.....		1,872	1,585	2.61	4,142
Other.....		639	585	2.89	1,689
US.....	215	6,279	5,924	3.79	22,447
1990–91					
Shiitake.....		4,057	3,902	4.17	16,265
Oyster.....		1,532	1,493	2.67	3,979
Other.....		773	674	3.14	2,115
US ⁴	228	6,362	6,069	3.68	22,359

¹ Specialty mushroom estimates represent growers who have at least 200 natural wood logs or commercial indoor growing area. ² Total production includes all fresh market and processing sales plus amount harvested but not sold (shrinkage, cullage, dumped, etc.). ³ Virtually all specialty mushroom sales are for fresh market. ⁴ States reporting in 1990–91. East: Federal Regions I–IV include Conn., Fla., Ky., Mass., NY., NC., Pa., Va., Vt., and W. Va. Central: Federal Regions V and VII include Ill., Iowa, Mich., Minn., Mo., Ohio, and Wis. West: Federal Regions VI, VIII, IX, and X include Ark., Calif., Hawaii, Idaho, Okla., Oreg., S. Dak., and Utah.

National Agricultural Statistics Service.

Table 360.—Cut flowers: Sales and value, United States, 1980–90

Year	Quantity sold	Wholesale price	Value of sales at wholesale ¹	Quantity sold	Wholesale price	Value of sales at wholesale ¹
	Standard carnations			Miniature carnations		
	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 Bunches</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1980.....	379,375	11.0	41,880	5,891	1.54	9,044
1981.....	345,747	11.8	40,936	5,989	1.60	9,605
1982.....	(²)	(²)	(²)	(²)	(²)	(²)
1983.....	(²)	(²)	(²)	(²)	(²)	(²)
1984.....	292,593	13.0	37,934	10,103	1.46	14,796
1985 ³	289,985	15.9	46,156	11,458	1.68	18,883
1986 ³	258,814	15.1	39,033	11,472	1.44	16,471
1987.....	274,865	14.7	40,479	13,258	1.43	18,995
1988.....	290,047	14.5	42,154	13,233	1.51	20,001
1989.....	248,661	14.6	36,223	12,541	1.42	17,748
1990.....	288,070	15.5	36,897	14,713	1.42	20,943
	Standard chrysanthemums			Pompon chrysanthemums ⁴		
	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 Bunches</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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.....	(²)	(²)	(²)	(²)	(²)	(²)
1983.....	(²)	(²)	(²)	(²)	(²)	(²)
1984.....	67,113	33.3	22,335	33,323	1.17	38,846
1985 ³	60,162	42.1	25,345	36,845	1.22	44,805
1986 ³	43,657	35.8	15,625	32,666	1.10	35,822
1987.....	42,752	35.7	15,256	29,088	1.31	38,083
1988.....	44,108	32.9	14,505	30,021	1.27	38,274
1989.....	39,275	36.2	14,214	22,919	1.28	29,295
1990.....	25,510	38.9	9,911	21,118	1.33	28,117
	Hybrid Tea roses			Sweetheart roses		
	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>
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.....	(²)	(²)	(²)	(²)	(²)	(²)
1983.....	(²)	(²)	(²)	(²)	(²)	(²)
1984.....	354,131	30.2	106,761	108,308	22.4	24,231
1985 ³	370,497	34.0	125,925	106,529	24.6	26,213
1986 ³	354,702	35.3	125,038	107,475	24.3	26,166
1987.....	438,184	34.8	152,646	126,437	23.8	30,138
1988.....	440,627	35.3	155,385	124,813	24.3	30,370
1989.....	481,164	35.1	169,002	106,319	25.2	26,775
1990.....	495,084	35.0	173,243	101,564	26.6	27,022
	Gladioli			Other cut flowers ⁵		
	<i>1,000 Spikes</i>	<i>Cents</i>	<i>1,000 dollars</i>			<i>1,000 dollars</i>
1980.....	146,602	13.2	19,397			
1981.....	136,004	14.6	19,904			
1982.....	(²)	(²)	(²)			
1983.....	(²)	(²)	(²)			
1984.....	124,812	17.4	21,775			
1985 ³	158,996	16.1	25,555			58,848
1986 ³	170,788	15.5	26,534			75,137
1987.....	200,526	16.2	32,446			111,435
1988.....	199,273	17.0	33,935			123,230
1989.....	175,153	19.4	34,061			155,213
1990.....	166,758	20.3	33,793			172,625

¹ Equivalent wholesale value of all sales. ² 1982–83 data not available because of program reduction. ³ 1985 and 1986 data not comparable with 1984. ⁴ Data for 1979–84 includes a small amount of standard chrysanthemums to avoid disclosure of individual operations. ⁵ 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 370 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 361.—Hay, all: Area, yield, production, disposition, and value, United States, 1976-90

Year	Area harvested	Yield per acre	Production	Used on farms where produced	Sold	Marketing year 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>
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	(²)	(²)	71.00	8,084,666
1981	59,599	2.39	142,520	(²)	(²)	67.30	9,181,300
1982	59,812	2.50	149,241	(²)	(²)	69.30	9,529,516
1983	59,694	2.36	140,738	(²)	(²)	75.80	9,967,208
1984	61,414	2.45	150,582	(²)	(²)	72.70	10,203,921
1985	60,461	2.46	148,719	(²)	(²)	67.60	9,437,282
1986	62,334	2.49	155,385	(²)	(²)	59.70	8,610,996
1987	60,133	2.45	147,457	(²)	(²)	65.00	8,845,395
1988	65,055	1.94	126,010	(²)	(²)	85.20	10,457,326
1989	63,300	2.30	145,512	(²)	(²)	85.40	11,514,044
1990 ¹	61,557	2.39	146,985	(²)	(²)	84.80	11,138,492

¹ Preliminary. ² Series discontinued.
National Agricultural Statistics Service.

Table 362.—Hay, all: Stocks on farms, United States, 1976-91

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>
1976	86,411	25,541	1984	89,262	20,140
1977	77,651	19,540	1985	100,533	26,826
1978	92,136	24,184	1986	96,597	26,731
1979	99,024	30,108	1987	¹ 121,564	32,333
1980	107,707	33,192	1988	118,593	27,074
1981	91,689	25,374	1989	90,312	17,507
1982	99,160	24,981	1990	101,194	27,089
1983	103,996	28,118	1991 ²	104,993	27,056

¹ Per program modification, hay stocks survey reference data was changed from Jan. 1 to Dec. 1 previous year beginning Dec. 1, 1987. ² Preliminary.
National Agricultural Statistics Service.

Table 363.—Hay, alfalfa and alfalfa mixtures: Area, yield, and production, by States, 1988-90

State	Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AZ	155	150	165	7.90	7.60	7.90	1,225	1,140	1,304
AR	35	35	25	2.30	3.00	3.00	81	105	75
CA	1,100	1,020	1,060	6.60	6.70	6.60	7,260	6,834	6,996
CO	780	750	740	3.40	3.20	3.50	2,652	2,400	2,590
CT	19	17	19	2.79	2.70	2.70	53	46	51
DE	9	9	8	3.75	4.10	4.10	34	37	33
ID	920	930	960	3.80	4.00	3.90	3,496	3,720	3,744
IL	950	780	660	2.50	3.70	4.20	2,375	2,886	2,772
IN	460	400	400	2.60	3.60	3.90	1,196	1,440	1,560
IA	2,400	1,900	1,700	2.35	3.00	3.75	5,640	5,700	6,375
KS	750	850	800	3.30	3.60	3.80	2,475	3,060	3,040
KY	370	380	320	2.80	3.70	3.40	1,036	1,406	1,088
LA	10	5	(²)	2.80	2.80	(²)	28	14	(²)
ME	21	20	22	2.50	2.00	2.40	53	40	53
MD	80	85	80	3.75	3.75	3.85	300	319	308
MA	33	31	29	2.60	2.65	2.80	86	82	81
MI	1,300	1,300	1,250	2.60	3.60	3.90	3,380	4,680	4,875
MN	2,400	1,700	1,600	1.90	2.60	3.20	4,560	4,420	5,120
MO	480	530	480	2.10	2.80	3.00	1,008	1,484	1,440
MT	1,100	1,350	1,350	1.90	2.20	2.50	2,090	2,970	3,375
NE	1,350	1,300	1,450	3.00	3.00	3.30	4,050	3,900	4,785
NV	250	245	240	4.20	4.40	4.10	1,050	1,078	984
NH	17	16	15	2.45	2.55	2.45	42	41	37
NJ	39	34	26	3.10	2.80	3.00	121	95	78
NM	240	240	250	4.90	5.10	5.00	1,176	1,224	1,250
NY	880	840	860	2.70	2.45	2.55	2,376	2,058	2,193
NC	30	35	30	2.75	3.00	2.90	83	105	87
ND	1,000	1,500	1,400	.75	1.00	1.10	750	1,500	1,540
OH	725	725	700	2.90	3.30	4.00	2,103	2,393	2,800
OK	410	450	430	3.10	4.00	3.20	1,271	1,800	1,376
OR	385	400	420	4.10	4.30	4.30	1,579	1,720	1,806
PA	840	820	810	2.90	2.90	3.00	2,436	2,378	2,430
RI	2	2	2	2.75	2.65	2.80	6	5	6
SD	2,100	2,000	2,100	1.10	1.20	1.80	2,310	2,400	3,780
TN	110	90	70	2.10	3.10	3.60	231	279	252
TX	100	110	100	3.90	4.20	4.00	390	462	400
UT	490	470	485	3.90	3.70	3.80	1,911	1,739	1,843
VT	100	105	105	2.20	2.35	2.40	220	247	252
VA	130	150	140	3.20	3.80	4.00	416	570	560
WA	490	480	470	4.20	4.30	4.80	2,058	2,064	2,256
WV	70	70	60	2.30	2.90	3.20	161	203	192
WY	3,100	3,100	3,000	1.40	1.30	2.80	4,340	7,130	8,400
WY	520	520	570	2.30	2.30	2.40	1,196	1,196	1,368
US	26,750	25,944	25,401	2.59	2.98	3.29	69,304	77,370	83,555

¹ Preliminary. ² Included in other hay.
National Agricultural Statistics Service.

Table 364.—Hay, all other: Area, yield, and production, by States, 1988-90

State	Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL	750	700	750	2.00	2.20	1.50	1,500	1,540	1,125
AZ	25	35	30	4.00	4.00	3.90	100	140	117
AR	935	965	950	1.70	2.20	1.75	1,590	2,123	1,663
CA	580	650	570	2.40	2.60	2.90	1,392	1,690	1,311
CO	870	750	810	1.50	1.40	1.50	1,305	1,050	1,215
CT	60	66	67	2.25	1.90	2.20	135	125	147
DE	17	16	15	2.00	2.25	2.30	34	36	35
FL	270	260	240	2.40	2.30	2.30	648	598	552
GA	570	600	570	2.20	2.70	2.00	1,254	1,620	1,140
ID	220	190	170	1.75	1.70	2.00	385	323	340

See footnotes at end of table.

Table 364.—Hay, all other: Area, yield, and production, by States, 1988-90—Continued

State	Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
IL	550	320	240	1.70	2.00	2.40	935	640	576
IN	480	370	300	1.40	2.50	2.20	672	925	660
IA	800	500	300	1.40	1.90	2.40	1,120	950	720
KS	1,800	1,600	1,700	1.50	1.60	1.80	2,700	2,560	3,060
KY	1,850	1,950	1,880	1.50	2.10	2.00	2,775	4,095	3,760
LA	345	295	300	2.50	2.60	2.20	863	767	660
ME	180	200	200	1.84	1.90	1.85	333	380	370
MD	165	155	145	2.20	2.00	2.55	363	310	370
MA	76	72	74	2.25	2.15	2.05	171	155	152
MI	600	250	200	1.40	2.10	2.30	840	525	460
MN	1,600	900	800	1.50	2.20	1.80	2,400	1,980	1,440
MS	650	650	575	2.00	2.40	1.80	1,300	1,560	1,035
MO	3,400	3,200	3,100	1.20	1.65	1.75	4,080	5,280	5,425
MT	700	1,000	800	1.00	1.50	1.40	700	1,500	1,120
NE	2,050	1,900	2,350	1.20	.95	1.10	2,460	1,805	2,585
NV	260	275	250	1.10	1.40	1.50	286	385	375
NH	65	60	61	2.10	2.10	2.00	137	126	122
NJ	71	77	84	1.90	1.90	2.00	135	146	168
NM	55	60	70	1.80	1.80	1.80	99	108	126
NY	1,190	1,240	1,120	1.95	2.00	1.95	2,321	2,480	2,184
NC	420	480	440	1.70	2.20	2.10	714	1,056	924
ND	1,700	1,900	2,100	.70	.80	1.05	1,190	1,520	2,205
OH	900	900	700	1.60	2.40	2.60	1,440	2,160	1,820
OK	1,900	1,950	1,700	1.40	1.70	1.50	2,660	3,315	2,550
OR	650	650	600	1.65	1.80	1.70	1,073	1,170	1,020
PA	1,120	1,110	1,090	1.90	2.10	2.10	2,128	2,381	2,289
RI	6	5	5	2.30	2.30	2.30	14	12	12
SC	240	235	240	2.10	2.40	1.90	504	564	456
SD	2,000	2,100	2,100	.80	.90	1.20	1,600	1,890	2,520
TN	1,500	1,610	1,430	1.40	2.00	2.10	2,100	3,220	3,003
TX	3,100	3,800	3,800	1.60	2.40	2.00	4,960	9,120	7,600
UT	140	130	140	1.90	1.90	2.00	266	247	280
VT	275	260	260	1.80	1.95	2.00	495	507	520
VA	1,080	1,050	1,020	1.70	1.90	2.00	1,836	1,995	2,040
WA	310	300	320	2.50	2.50	2.50	775	750	800
WV	480	490	500	1.30	1.70	1.90	624	833	950
WI	680	500	400	.90	1.90	1.80	612	950	720
WY	620	580	590	1.10	1.00	1.20	682	580	708
US	38,305	37,356	36,156	1.48	1.82	1.75	56,706	68,142	63,430

¹ Preliminary.

National Agricultural Statistics Service.

Table 365.—Hay: Supply and disappearance, prices, and number of animal units fed annually, United States, 1976-90

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
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	1.42	53.70
1978	24.2	143.8	168.0	137.9	86.0	1.95	1.60	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	148.8	87.1	1.94	1.71	75.80
1984	20.1	150.6	170.7	143.8	83.2	2.05	1.73	72.70
1985	26.9	148.6	175.5	148.8	80.5	2.18	1.85	67.60
1986	26.7	155.5	182.2	149.9	78.3	2.33	1.91	59.70
1987	32.3	147.5	179.8	152.7	76.3	2.36	2.00	65.10
1988	27.1	126.0	153.1	136.6	75.5	2.03	1.80	85.20
1989	17.5	145.5	163.0	136.9	75.5	2.16	1.80	85.40
1990 ¹	27.1	147.0	174.1	147.0	75.8	2.30	1.94	83.20

¹ Preliminary.

Economic Research Service.

Table 366.—Hay, all: Marketing Year average price and value of production, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per ton, baled			Value of production		
	1988	1989	1990	1988	1989	1990
	<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.....	63.50	60.00	59.00	95,250	92,400	66,375
AZ.....	89.50	98.50	99.00	118,588	126,080	140,679
AR.....	63.00	57.50	54.50	105,273	128,110	94,721
CA.....	94.00	100.00	107.00	813,288	852,400	888,849
CO.....	82.00	91.50	82.00	324,474	315,675	312,010
CT.....	110.00	113.00	114.00	20,680	19,323	22,572
DE.....	102.00	102.00	104.00	6,936	7,446	7,072
FL.....	68.00	76.00	79.00	44,064	45,448	43,608
GA.....	62.00	58.50	63.50	77,748	94,770	72,390
ID.....	78.00	78.50	83.50	302,718	317,376	341,014
IL.....	99.00	82.50	74.00	327,690	290,895	247,752
IN.....	117.00	76.00	73.00	218,556	179,740	162,060
IA.....	75.00	80.50	65.00	507,000	535,325	461,175
KS.....	77.00	72.00	70.50	398,475	404,640	430,050
KY.....	85.50	73.50	71.00	325,841	404,324	344,208
LA.....	53.00	54.00	54.00	47,223	42,174	35,640
ME.....	71.00	78.00	79.00	27,406	32,760	33,417
MD.....	100.00	102.00	107.00	66,300	64,158	72,546
MA.....	100.00	111.00	115.00	25,700	26,307	26,795
MI.....	94.00	69.00	63.50	396,680	359,145	338,773
MN.....	98.00	85.50	85.00	682,080	547,200	557,600
MS.....	44.00	45.00	52.00	57,200	70,200	53,820
MO.....	78.00	73.50	62.50	396,864	497,154	429,063
MT.....	85.00	69.50	67.00	237,150	310,665	301,165
NE.....	63.50	75.50	60.00	413,385	430,728	442,200
NV.....	95.50	96.00	99.00	127,588	140,448	134,541
NH.....	100.00	103.00	109.00	17,900	17,201	17,331
NJ.....	107.00	109.00	105.00	27,392	26,269	25,830
NM.....	102.00	110.00	111.00	130,050	146,520	152,736
NY.....	75.50	75.50	75.00	354,624	342,619	328,275
NC.....	63.00	64.00	60.00	50,211	74,304	60,660
ND.....	78.00	70.50	63.50	151,320	212,910	237,808
OH.....	117.00	120.00	104.00	414,531	546,360	480,480
OK.....	77.50	66.50	71.50	304,653	340,148	280,709
OR.....	76.00	88.50	89.50	201,552	255,765	252,927
PA.....	92.50	94.00	102.00	422,170	442,646	481,338
RI.....	110.00	112.00	116.00	2,200	1,904	2,088
SC.....	70.50	67.50	69.00	35,532	38,070	31,464
SD.....	69.50	74.00	62.50	271,745	317,460	393,750
TN.....	58.00	48.50	48.00	135,198	169,702	156,240
TX.....	74.00	75.00	77.50	395,900	718,650	620,000
UT.....	76.00	82.50	83.00	165,452	163,845	176,209
VT.....	90.00	93.00	90.00	64,350	70,122	69,480
VA.....	82.00	84.50	88.50	184,664	216,743	230,100
WA.....	78.50	89.50	92.50	222,391	251,853	282,680
WV.....	78.00	74.50	71.00	61,230	77,182	81,082
WI.....	107.00	74.00	61.00	529,864	597,920	556,320
WY.....	80.00	85.00	77.50	150,240	150,960	160,890
US.....	85.20	85.40	84.80	10,457,326	11,514,044	11,138,492

National Agricultural Statistics Service.

Table 367.—Hay, all: Area, yield, and production, by States, 1988-90

State	Area harvested			Yield per harvested acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	750	700	750	2.00	2.20	1.50	1,500	1,540	1,125
AZ.....	180	185	195	7.36	6.92	7.29	1,325	1,280	1,421
AR.....	970	1,000	975	1.72	2.23	1.78	1,671	2,228	1,738
CA.....	1,680	1,670	1,630	5.15	5.10	5.10	8,652	8,524	8,307
CO.....	1,650	1,500	1,550	2.40	2.30	2.45	3,957	3,450	3,805
CT.....	79	83	86	2.38	2.06	2.30	188	171	198
DE.....	26	25	23	2.62	2.92	2.96	68	73	68
FL.....	270	260	240	2.40	2.30	2.30	648	598	552
GA.....	570	600	570	2.20	2.70	2.00	1,254	1,620	1,140
ID.....	1,140	1,120	1,130	3.40	3.61	3.61	3,881	4,043	4,084
IL.....	1,500	1,100	900	2.21	3.21	3.72	3,310	3,526	3,348
IN.....	940	770	700	1.99	3.07	3.17	1,868	2,365	2,220
IA.....	3,200	2,400	2,000	2.11	2.77	3.55	6,760	6,650	7,095
KS.....	2,550	2,450	2,500	2.03	2.29	2.44	5,175	5,620	6,100
KY.....	2,220	2,330	2,200	1.72	2.36	2.20	3,811	5,501	4,848
LA.....	355	300	300	2.51	2.60	2.20	891	781	660
ME.....	201	220	222	1.92	1.91	1.91	386	420	423
MD.....	245	240	225	2.71	2.62	3.01	663	629	678
MA.....	109	103	103	2.36	2.30	2.26	257	237	233
MI.....	1,900	1,550	1,450	2.22	3.36	3.68	4,220	5,205	5,335
MN.....	4,000	2,600	2,400	1.74	2.46	2.73	6,960	6,400	6,560
MS.....	650	650	575	2.00	2.40	1.80	1,300	1,560	1,085
MO.....	3,880	3,730	3,580	1.81	1.81	1.92	5,088	6,764	6,865
MT.....	1,800	2,350	2,150	1.55	1.90	2.09	2,790	4,470	4,495
NE.....	3,400	3,200	3,800	1.91	1.78	1.94	6,510	5,705	7,370
NV.....	510	520	490	2.62	2.81	2.77	1,336	1,463	1,359
NH.....	82	76	76	2.18	2.20	2.09	179	167	159
NJ.....	110	111	110	2.33	2.17	2.24	256	241	246
NM.....	295	300	320	4.32	4.44	4.30	1,275	1,332	1,376
NY.....	2,070	2,080	1,980	2.27	2.18	2.21	4,697	4,538	4,377
NC.....	450	515	470	1.77	2.25	2.15	797	1,161	1,011
ND.....	2,700	3,400	3,500	.72	.89	1.07	1,940	3,020	3,745
OH.....	1,625	1,625	1,400	2.18	2.80	3.30	3,543	4,553	4,620
OK.....	2,310	2,400	2,130	1.70	2.13	1.84	3,931	5,115	3,926
OR.....	1,035	1,050	1,020	2.56	2.75	2.77	2,652	2,890	2,826
PA.....	1,960	1,930	1,900	2.33	2.44	2.48	4,564	4,709	4,719
RI.....	8	7	7	2.50	2.43	2.57	20	17	18
SC.....	240	235	240	2.10	2.40	1.90	504	564	456
SD.....	4,100	4,100	4,200	.95	1.05	1.50	3,910	4,290	6,300
TN.....	1,610	1,700	1,500	1.45	2.06	2.17	2,331	3,499	3,255
TX.....	3,200	3,910	3,900	1.67	2.45	2.05	5,350	9,582	8,000
UT.....	630	600	625	3.46	3.31	3.40	2,177	1,986	2,123
VT.....	375	365	365	1.91	2.07	2.12	715	754	772
VA.....	1,210	1,200	1,160	1.86	2.14	2.24	2,252	2,565	2,600
WA.....	800	780	790	3.54	3.61	3.87	2,833	2,814	3,056
WV.....	550	560	560	1.43	1.85	2.04	785	1,036	1,142
WI.....	3,780	3,600	3,400	1.31	2.24	2.68	4,952	8,080	9,120
WY.....	1,140	1,100	1,160	1.65	1.61	1.79	1,878	1,776	2,076
US.....	65,055	63,300	61,557	1.94	2.30	2.39	126,010	145,512	146,985

¹ Preliminary.

National Agricultural Statistics Service.

Table 368.—Hay: Area and production, by kinds, United States, 1976-90

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
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	33,965	59,694	82,255	58,483	140,738
1984.....	26,818	34,596	61,414	90,144	60,438	150,582
1985.....	25,647	34,814	60,461	85,121	63,598	148,719
1986.....	26,911	35,423	62,334	91,865	63,520	155,385
1987.....	25,435	34,698	60,133	84,225	63,232	147,457
1988.....	26,750	38,305	65,055	69,304	56,706	126,010
1989.....	25,944	37,356	63,300	77,370	68,142	145,512
1990 ¹	25,401	36,156	61,557	83,555	63,430	146,985

¹ Preliminary.

National Agricultural Statistics Service.

Table 369.—Pasture and range: Condition,¹ first of month, United States, 1976-90

Year	April ²	May	June	July	August	September	October	November	December ²
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1976.....	³ 73 ⁴ 74	79	77	75	70	61	63	66	⁴ 64
1977.....	³ 68 ⁴ 66	76	74	68	64	71	76	75	⁴ 72
1978.....	³ 68 ⁴ 71	75	85	85	77	75	77	73	⁴ 70
1979.....	³ 75 ⁴ 77	84	87	86	84	86	81	77	⁴ 75
1980.....	³ 76 ⁴ 77	80	81	78	60	61	63	65	⁴ 63
1981.....	³ 70 ⁴ 67	79	80	84	82	82	80	80	⁴ 78
1982.....	³ 81 ⁴ 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	83	76	79	83	85	.....
1987.....	81	84	82	82	78	76	79	71	.....
1988.....	73	68	46	51	54	60	59	59	.....
1989.....	68	74	77	73	72	74	69	69	.....
1990.....	76	80	76	73	71	70	71	71	.....

¹ 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. ² Excludes Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin. ³ 30 States (April only). April only discontinued after 1985. ⁴ 37 States (April and December only).

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Table 370.—Seeding rates: Quantity of seed

State	Corn ²	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	2.3	2.30			2.8	
AR.....	27,300	1.9			2.9		
CA.....	30,000	2.1	2.30		3.0	2.0	
CO.....	29,000	.65		1.60	2.0	1.5	0.65
CT.....	26,000						
DE.....	21,200	1.9				2.2	
FL.....	19,100	1.6					
GA.....	21,900	2.0			3.1		2.2
ID.....	29,500	1.3		1.60	2.6	1.9	1.5
IL.....	24,100	1.7			2.5		
IN.....	23,800	1.8			2.3		1.3
IA.....	23,900	1.6			2.9		
KS.....	23,600	1.0			2.1	1.3	1.2
KY.....	22,000	1.8				2.0	
LA.....	26,300	1.6					
ME.....	26,000				2.9		
MD.....	23,200	1.9			2.6	2.3	2.0
MA.....	26,000						
MI.....	23,200	2.3			2.6	2.1	1.7
MN.....	25,000	1.5	1.70	1.70	2.9	1.8	1.8
MS.....	19,800	1.7					
MO.....	20,900	1.7			2.3		
MT.....	29,000	.95	1.10	1.00	1.8	1.2	
NE.....	22,800	1.1			2.5	1.5	1.2
NV.....		1.6		1.9		2.3	
NH.....	26,000						
NJ.....	23,500	2.0				2.4	2.0
NM.....	28,900	.70					
NY.....	25,200	2.3			2.8		2.0
NC.....	22,600	1.8			2.7	2.1	1.5
ND.....	20,800	1.1	1.60	1.4	2.0	1.6	1.2
OH.....	25,500	2.1			2.6		1.9
OK.....	23,500	1.2			2.3	1.3	1.4
OR.....	30,000	1.3		1.6	2.9	1.7	
PA.....	22,700	2.2			2.8	2.3	2.1
RI.....	26,000						
SC.....	21,100	1.8			2.9	2.1	1.9
SD.....	17,300	1.1	1.60	1.4	2.6	1.7	1.2
TN.....	21,500	2.1					
TX.....	24,000	1.1			2.5	1.0	.90
UT.....	30,000	1.2		1.5	3.0	2.2	
VT.....	26,000						
VA.....	23,000	1.9				2.2	1.7
WA.....	31,000	1.1		1.4	2.7	1.6	
WV.....	23,400	1.9			2.5		
WI.....	23,600	1.8		1.8	2.9	2.0	1.6
WY.....	29,700	.80		1.2	2.2	2.0	
US.....	23,500	1.25	1.56	1.21	2.60	1.64	1.65

¹ United States average is rate of seeding weighted by final 1990 area planted, by States except for winter wheat and rye which are weighted by preliminary 1991 area planted in 1990. ² Approximately 1,650 kernels per pound. ³ Shelled basis (multiply by 1.33 to obtain unshelled basis). ⁴ Fuzzy, non-delinted equivalent basis.

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used per acre for specified crops, by States ¹

Flaxseed	Sorghum	Soybeans	Dry Beans	Sun-flowers	Rice	Potatoes (Irish)	Sweet-potatoes	Peanuts ²	Cotton ⁴
<i>Pounds</i>	<i>Pounds</i>	<i>Bushels</i>	<i>Pounds</i>	<i>Seeds</i>	<i>Pounds</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Pounds</i>	<i>Pounds</i>
	18.0	0.80				15.1	4.0	98	23
						20.0			18
	8.3	.80			121.8				19
			63		155.0	20.6	5.0		23
	6.6		44			23.3			
		1.00				15.0			
		.85				25.7		98	22
	17.5	.80					7.7	105	24
			92			20.0			
	11.7	1.00				20.0			
		.97				19.0			
		.93				14.0			
	5.6	.90	54						20
	15.0	.90							
	11.1	.95			130.0		10.0		18
						21.0			
		1.00				14.0	6.6		
			48			19.5			
		1.00	60	23,200		20.7			
45.0		1.00				17.2			
	9.1	.85			105.0		12.0		20
	7.8	.95			115.0				21
			60			21.0			
	5.8	.95	54			24.9			
						20.0			
		1.30				20.0	8.0		
	8.0					20.0		92	32
			83			22.1			
	13.0	.95				13.0	13.0	105	18
45.0		1.20	52	20,700		15.0			
		1.20				21.0			
	8.8	.80						83	25
						22.0			
		1.40				19.0			
						24.3			
	13.0	.70					12.0	86	14
50.0	7.4	.93		19,000		16.0			21
	15.0	.80							31
	7.4	.90		16,000	105.0	12.7	13.0	74	
			15			24.0			
		1.10				13.5	13.7	105	18
			83			22.0			
		1.30				18.0			
			70			21.0			
45.7	7.04	.96	58	20,636	123.44	19.9	10.6	97	25

Table 371.—Pasture and range: Condition,¹ June 1 and Sept. 1, by States, average 1979-88, annual 1989 and 1990

State	Condition June 1			Condition Sept. 1			State	Condition June 1			Condition Sept. 1		
	Average 1979- 88	1989	1990	Average 1979- 88	1989	1990		Average 1979- 88	1989	1990	Average 1979- 88	1989	1990
	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.....	75	85	90	72	85	45	NV.....	85	76	70	79	62	63
AZ.....	79	72	43	82	64	70	NH.....	92	88	92	86	93	90
AR.....	86	83	78	67	82	53	NJ.....	90	92	94	73	97	97
CA.....	86	81	71	82	60	43	NM.....	77	41	47	84	67	74
CO.....	84	48	74	80	71	77	NY.....	88	91	91	76	76	83
CT.....	90	90	91	78	96	94	NC.....	83	93	92	71	92	74
DE.....	86	85	100	68	75	90	ND.....	71	63	41	66	45	47
FL.....	66	55	61	84	84	76	OH.....	87	92	90	76	85	97
GA.....	71	73	73	67	86	51	OK.....	85	82	86	70	93	72
ID.....	86	81	79	78	72	67	OR.....	87	94	73	79	83	69
IL.....	86	84	87	72	76	84	PA.....	89	93	90	71	80	90
IN.....	87	90	90	75	90	91	RI.....	92	95	92	85	90	96
IA.....	84	60	94	73	54	92	SC.....	70	82	73	66	87	57
KS.....	84	54	93	75	76	83	SD.....	73	63	78	71	45	71
KY.....	87	94	96	75	95	83	TN.....	86	94	90	73	91	59
LA.....	79	83	83	78	82	56	TX.....	73	67	72	61	62	57
ME.....	92	91	95	84	84	86	UT.....	87	56	58	83	45	53
MD.....	88	93	100	67	73	90	VT.....	92	90	91	83	86	88
MA.....	92	93	93	83	93	89	VA.....	89	95	89	75	97	85
MI.....	84	82	93	78	84	91	WA.....	83	93	83	77	80	82
MN.....	80	83	80	76	54	75	WV.....	86	90	93	72	93	85
MS.....	80	90	81	75	87	55	WI.....	83	81	85	78	76	88
MO.....	83	71	93	67	84	77	WY.....	86	63	88	78	62	88
MT.....	74	87	85	67	89	77							
NE.....	86	42	79	78	47	76	US.....	81	74	79	73	72	71

¹ 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.

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Table 372.—Field seeds: Average retail price paid by farmers for seed, Apr. 15, United States, 1982-91

Kind of seed	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
	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.....	153.00	163.00	156.00	149.00	170.00	173.00	181.00	180.00	157.00	174.00
Alfalfa, certified varieties.....	202.00	208.00	219.00	219.00	219.00	222.00	245.00	249.00	253.00	266.00
Red clover.....	126.00	160.00	145.00	121.00	133.00	160.00	143.00	143.00	145.00	134.00
Ladino clover.....	326.00	346.00	364.00	355.00	339.00	323.00	300.00	294.00	287.00	290.00
Lespedeza, Korean.....	75.10	72.10	85.70	115.00	85.00	68.00	67.50	67.30	62.80	67.70
Lespedeza, Striate, Kobe.....	96.00	103.00	137.00	109.00	78.50	82.00	83.50	82.60	88.40	86.00
Lespedeza, Sericea.....	115.00	91.10	198.00	210.00	193.00	233.00	275.00	167.00	134.00	101.00
Timothy.....	62.00	69.20	69.30	58.80	78.10	107.00	132.00	132.00	82.10	66.40
Orchardgrass.....	101.00	96.10	94.70	80.90	86.90	115.00	116.00	117.00	102.00	101.00
Blue Grass, Kentucky: Public and common.....	107.00	89.00	91.00	103.00	211.00	246.00	244.00	225.00	133.00	109.00
Proprietary, including Merion.....	184.00	150.00	143.00	147.00	230.00	273.00	283.00	275.00	209.00	196.00
Ryegrass, annual.....	37.20	39.20	39.00	37.30	36.10	45.10	47.90	54.30	50.50	46.80
Tall fescue.....	59.50	73.80	72.90	53.10	66.70	107.00	71.80	111.00	85.10	89.00
Sudangrass.....	45.10	45.00	42.40	43.50	44.70	44.20	42.00	45.20	47.70	48.10
Potatoes.....	8.10	6.90	8.76	8.06	6.62	7.95	7.12	10.60	11.00	9.70
Peanuts.....	58.00	60.50	71.60	61.30	66.70	84.10	74.20	74.30	75.70	123.00
Sunflower.....	200.00	211.00	254.00	257.00	258.00	281.00	266.00	277.00	308.00	314.00
Cottonseed.....	41.60	42.80	48.00	48.20	46.60	48.10	47.70	50.10	54.30	58.20
Grain sorghums, hybrid.....	61.50	65.30	64.20	66.10	67.40	63.60	65.70	69.50	69.90	71.20
Forage sorghums.....										
	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 ¹	63.70	64.60	70.20	71.80	¹ 65.60	64.90	64.20	71.40	69.90	70.20
Wheat (spring).....	6.89	6.69	6.37	6.10	5.94	5.56	5.89	6.71	6.05	4.72
Wheat (winter) ²							6.57	7.55	8.01	6.89
Oats (spring).....	4.51	4.37	4.52	4.18	3.63	3.99	4.37	5.89	4.19	3.71
Barley (spring).....	5.60	5.22	5.31	5.10	4.82	4.47	4.58	5.91	5.25	4.55
Soybeans for seed.....	10.70	10.10	13.40	11.90	10.80	11.30	11.90	14.70	12.50	12.80
Flaxseed.....	11.20	9.24	9.82	9.80	8.37	6.11	6.61	11.40	11.00	8.80

¹ Price per 80,000 kernels. ² Surveyed in Sept., prior to 1986.

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Table 373.—Beans, dry edible: Area, yield, production, disposition, and value, United States, 1976-90^{1 2}

Year	Area planted	Area harvested	Yield per harvested acre ³	Production ³	Used on farms where produced	Sold	Marketing year average price per 100 pounds received by farmers	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	1,000 dollars
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	(*)	(*)	22.80	468,098
1980.....	1,920.0	1,859.0	1,438	26,729	(*)	(*)	27.60	737,447
1981.....	2,390.0	2,270.0	1,443	32,751	(*)	(*)	21.00	688,471
1982.....	1,924.5	1,777.0	1,439	25,563	(*)	(*)	14.20	363,809
1983.....	1,180.0	1,138.7	1,363	15,520	(*)	(*)	22.40	347,867
1984.....	1,501.0	1,460.3	1,443	21,070	(*)	(*)	18.70	394,969
1985.....	1,569.9	1,481.4	1,505	22,298	(*)	(*)	17.60	389,376
1986.....	1,653.8	1,495.0	1,536	22,960	(*)	(*)	19.10	436,254
1987.....	1,782.6	1,665.4	1,563	26,031	(*)	(*)	16.50	428,350
1988.....	1,485.4	1,353.0	1,423	19,253	(*)	(*)	29.90	575,148
1989.....	1,824.6	1,650.9	1,437	23,729	(*)	(*)	28.50	676,635
1990 ⁵	2,178.6	2,086.4	1,554	32,429	(*)	(*)	18.80	609,334

¹ Figures include principal producing States only. ² Excludes beans grown for garden seed. ³ Cleaned basis.
⁴ Estimates discontinued. ⁵ Preliminary.
National Agricultural Statistics Service.

Table 374.—Beans, dry edible (cleaned basis): Production, by classes, United States, 1988-90¹

Class	1988	1989	1990 ²	Class	1988	1989	1990 ²
	1,000 cwt.	1,000 cwt.	1,000 cwt.		1,000 cwt.	1,000 cwt.	1,000 cwt.
Peas (navy).....	3,379	4,457	6,593	Cranberry.....	110	165	320
Great northern.....	2,857	2,122	2,822	Black turtle soup.....	100	466	1,082
Small white.....	491	375	341	Large lima (CA).....	574	618	458
Pinto.....	7,199	9,439	13,532	Baby lima (CA).....	673	728	550
Red kidney, all.....	1,120	1,717	(³)	Blackeye (CA).....	843	797	970
Red kidney, light.....	(*)	(*)	1,257	Garbanzo.....	48	35	27
Red kidney, dark.....	(*)	(*)	1,097	Other.....	685	876	1,530
Pink.....	612	1,235	1,202	Total.....	19,253	23,729	32,429
Small red.....	562	699	648				

¹ Excludes beans grown for garden seed. ² Preliminary. ³ Discontinued in 1990. ⁴ Estimates begun in 1990.
National Agricultural Statistics Service.

Table 375.—Beans, dry edible: Area, yield, and production, by States, 1988-90¹

State	Area planted			Area harvested			Yield per harvested acre (cleaned basis)			Production (cleaned basis)		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.
CA.....	151.0	185.0	176.0	147.0	180.0	168.0	1,963	1,865	1,850	2,885	3,357	3,108
CO.....	160.0	195.0	245.0	155.0	185.0	225.0	1,650	1,680	1,900	2,558	3,108	4,275
ID.....	120.0	170.0	180.0	119.0	168.0	178.0	1,890	2,050	2,000	2,249	3,444	3,560
KS.....	21.0	24.0	40.0	20.0	21.0	38.0	1,550	1,550	1,750	310	326	665
MI.....	245.0	300.0	350.0	170.0	265.0	330.0	1,260	1,500	1,650	2,142	3,975	5,445
MN.....	65.0	82.0	140.0	60.0	70.0	136.0	800	1,300	1,300	480	910	1,768
MT.....	4.4	6.0	13.5	4.0	5.9	13.0	1,900	2,200	1,690	76	130	220
NE.....	200.0	220.0	260.0	193.0	208.0	254.0	1,950	1,680	1,970	3,764	3,494	5,004
NM.....	14.5	15.0	14.5	14.5	14.0	14.0	2,200	2,000	1,650	319	280	231
NY.....	27.0	32.0	41.0	25.0	31.0	39.5	1,300	1,450	1,700	325	450	672
ND.....	400.0	500.0	570.0	370.0	410.0	550.0	730	600	910	2,701	2,460	5,905
OR.....			9.1			9.0			2,000			180
TX.....			25.0			21.0			1,050			221
UT.....	4.5	5.6	5.5	4.5	5.0	4.0	580	300	350	26	15	13
WA.....	37.0	44.0	48.0	36.0	43.0	47.0	2,060	2,160	1,940	742	929	912
WI.....			11.0			10.9			1,700			185
WY.....	36.0	46.0	50.0	35.0	45.0	49.0	1,930	1,890	1,970	676	851	965
US.....	1,485.4	1,824.6	2,178.6	1,353.0	1,650.9	2,086.4	1,423	1,437	1,554	19,253	23,729	32,429

¹ Excludes beans grown for garden seed. ² Preliminary.
National Agricultural Statistics Service.

Table 376.—Beans, dry edible (cleaned basis): Marketing year average price and value of production, by States, crop of 1988, 1989, and 1990¹

State	Marketing year average price per cwt.			Value of production		
	1988	1989	1990 ²	1988	1989	1990 ²
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
CA.....	36.20	34.80	30.10	104,437	116,824	93,551
CO.....	31.20	30.40	15.60	79,810	94,483	66,690
ID.....	29.10	28.30	17.60	65,446	97,465	62,556
KS.....	32.60	32.00	15.00	10,106	10,432	9,975
MI.....	31.90	26.30	19.70	68,330	104,543	107,267
MN.....	29.00	25.80	20.00	13,920	23,478	35,360
MT.....	28.00	27.50	13.60	2,128	3,575	2,992
NE.....	26.50	26.10	16.20	99,746	91,193	81,065
NM.....	34.00	34.50	22.50	10,846	9,660	5,198
NY.....	30.30	31.30	16.50	9,848	14,085	11,088
ND.....	25.50	24.80	16.50	68,876	61,008	82,583
OR.....			25.00			4,500
TX.....			25.00			5,525
UT.....	33.20	31.70	18.40	863	476	239
WA.....	28.10	25.80	20.60	20,850	23,968	18,787
WI.....			30.00			5,550
WY.....	29.50	29.90	16.90	19,942	25,445	16,308
US.....	29.90	28.50	18.80	575,148	676,635	609,334

¹ Excludes beans grown for garden seed. ² Preliminary.
National Agricultural Statistics Service.

Table 377.—Beans, dry edible: Season average wholesale price per 100 pounds, selected markets, 1976-90

Year beginning September	F.o.b. California points				F.o.b. Northern 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				
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
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.....	26.60	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
1987.....	38.75	41.16	25.46	26.18	20.22	23.07	22.68	20.93
1988.....	40.16	45.31	28.28	50.42	37.64	30.48	34.06	37.65
1989.....	33.67	43.06	31.14	42.95	40.51	32.95	33.45	29.32
1990 ¹	37.61	45.98	31.73	27.01	21.19	21.94	31.16	20.41

¹ Preliminary.

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, 1986/87-1989/90^{1 2}

Continent and country	1986/87	1987/88	1988/89	1989/90	Continent and country	1986/87	1987/88	1988/89	1989/90
	<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>	Metric tons
North America:					Europe—Continued				
Canada.....	5,998	8,469	8,757	7,940	Italy.....	7,064	7,676	5,124	8,610
Dominican Republic.....	11,309	10,553	9,610	14,221	Netherlands.....	5,846	8,572	25,478	30,841
French West Indies.....	1,195	802	428	964	Spain.....	2,201	3,339	6,221	3,255
Mexico.....	132,087	6,175	46,197	88,454	United Kingdom.....	89,420	61,774	76,175	71,020
Panama.....	1,439	2,714	1,402	2,614	Total.....	141,275	132,060	148,041	144,842
Trinidad and Tobago.....	1,979	1,395	1,207	1,205	Asia, Middle East, and Africa:				
Total.....	163,533	51,158	74,212	119,401	Israel.....	440	471	179	219
South America:					Japan.....	22,604	27,019	30,349	25,777
Brazil.....	44	0	6,246	2,463	Philippines.....	1,287	1,530	1,707	1,851
Colombia.....	32	3,130	411	31	Iraq.....	12,492	22,394	12,944	14,448
Venezuela.....	4,885	8,733	5,150	7,953	Algeria.....	10,172	29,084	21,579	23,324
Total.....	5,363	12,194	12,130	10,742	Total.....	97,136	146,591	98,227	102,812
Europe:					Oceania:				
Belgium and Luxembourg.....	3,428	5,068	5,489	5,447	Australia.....	3,027	3,745	3,518	4,930
France.....	16,965	27,707	16,136	11,365	Other countries.....	942	834	1,969	1,627
Germany, Fed. Rep. of.....	4,251	6,299	7,600	2,577	Grand total.....	411,276	346,582	338,097	384,354

¹ Marketing year beginning previous September. ² 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, 1976-90

Year ¹	Navy or pea	Great northern	Other white	Pinto	Red kidney	Other ²	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>
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	73,118	50,379	5,001	92,249	38,190	60,928	9,261	329,126
1981	100,870	64,204	6,227	316,616	25,911	137,959	13,506	665,293
1982	79,820	79,199	5,395	383,641	21,689	196,804	10,876	768,424
1983	88,789	68,844	4,488	14,301	20,535	78,355	8,894	284,206
1984	62,935	38,491	4,740	24,975	21,147	73,232	10,224	235,744
1985	62,633	55,022	3,368	65,107	13,268	57,100	14,764	271,262
1986	80,502	41,412	4,268	66,115	15,238	58,765	13,910	210,265
1987	89,886	57,339	3,491	155,138	19,330	67,032	19,160	411,276
1988	80,928	68,832	3,206	82,969	28,233	66,250	16,114	340,582
1989	72,179	76,580	3,826	70,446	21,616	81,313	12,137	338,097
1990	82,814	56,125	2,171	102,563	25,945	99,825	14,911	384,354

¹ Marketing year beginning previous September. ² 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, 1986/87-1989/90 ^{1 2}

Continent and country	1986/87	1987/88	1988/89	1989/90	Continent and country	1986/87	1987/88	1988/89	1989/90
	<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—Continued				
Canada	862	678	1,561	2,279	Italy	692	685	794	773
Mexico	1,116	866	1,282	1,649	Netherlands	594	3,608	3,590	316
Panama	721	296	284	326	Norway	512	336	155	283
Trinidad and Tobago	446	312	581	200	Sweden	0	79	46	9
Total	4,402	2,915	12,308	9,419	Switzerland	14	177	0	24
South America:					United Kingdom	2,767	5,917	4,979	7,675
Brazil	7,089	1,161	0	32	Spain	1,136	1,370	1,410	801
Colombia	15,730	14,679	11,238	5,591	Total	6,830	13,366	11,974	10,595
Peru	5,731	7,184	5,429	7,339	Asia and Middle East:				
Venezuela	8,394	13,428	5,736	10,319	Hong Kong	407	299	282	233
Total	38,154	34,211	23,579	23,572	Israel	340	427	351	308
Europe:					Japan	6,609	6,952	4,811	5,079
Belgium and Luxembourg	53	111	54	105	Philippines	2,356	2,890	10,526	18,054
Germany, Fed. Rep. of	474	541	396	230	India	20,264	31,093	34,613	38,577
Iceland	222	220	155	281	Total	42,489	61,487	63,662	87,752
					Other countries	217	5,181	2,385	17,323
					Grand total	92,092	117,520	113,908	148,661

¹ Marketing year beginning previous September. ² Excluding seed pea exports.

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

Table 381.—Hops: Marketing year average price and value of production, by States, crop of 1988, 1989, and 1990

State	Marketing year average price per pound			Value of production		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
ID.....	1.09	1.26	1.74	4,273	5,154	7,047
OR.....	1.64	1.58	1.61	18,081	18,737	17,489
WA ²	1.36	1.33	1.41	54,061	57,691	59,138
Total.....	1.40	1.38	1.47	76,415	81,582	83,674

¹ Preliminary. ² Includes small quantity of CA hops.
National Agricultural Statistics Service.

Table 382.—Hops: Area, yield, and production, by States, 1988-90

State	Area harvested			Yield per acre			Production		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	<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>
ID.....	2,800	2,800	2,700	1,400	1,461	1,500	3,920.0	4,090.6	4,050.0
OR.....	7,500	7,412	7,100	1,470	1,600	1,530	11,025.0	11,359.0	10,863.0
WA ²	23,100	24,336	25,663	1,721	1,782	1,634	39,751.0	43,376.8	41,941.8
US.....	33,400	34,548	35,463	1,638	1,717	1,603	54,696.0	59,326.4	56,854.8

¹ Preliminary. ² Includes small quantity of CA hops.
National Agricultural Statistics Service.

Table 383.—Hops: Area, yield, production, farm disposition, value, and Sept. 1 stocks, United States, 1976-90

Year	Area harvested	Yield per acre	Production ¹	Sales	Marketing year average price per pound received by farmers	Value of production	Stocks Sept. 1
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
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	(²)	151.0	114,194	32,800
1981.....	43.1	1,836	79,144	(²)	151.0	119,220	34,430
1982.....	39.6	1,980	78,558	(²)	174.0	136,884	47,030
1983.....	36.9	1,850	68,111	(²)	193.0	131,483	61,080
1984.....	30.8	1,820	56,167	(²)	210.0	117,701	68,096
1985.....	28.1	1,770	49,713	(²)	203.0	101,046	70,460
1986.....	25.0	1,960	48,962	(²)	178.0	87,257	70,950
1987.....	28.3	1,770	50,048	(²)	151.0	75,578	70,630
1988.....	33.4	1,638	54,696	(²)	140.0	76,415	60,000
1989.....	34.5	1,717	59,326	(²)	138.0	81,582	51,700
1990 ³	35.5	1,603	56,855	(²)	147.0	83,674	51,890

¹ Includes the following quantities not marketed because of economic conditions, fire losses, and/or provisions under terms of a marketing agreement (1,000 pounds): 215 in 1978; 888 in 1980; 90 in 1981; 5 in 1982; 1,020 in 1983; 10 in 1984; and 40 in 1985. ² Series discontinued. ³ Preliminary.

National Agricultural Statistics Service.

Table 384.—Hops: United States exports by country of destination and imports by country of origin, 1987/88–1990/91

Item and country	Year beginning September				Item and country	Year beginning September			
	1987/ 88	1988/ 89	1989/ 90	1990/ 91		1987/ 88	1988/ 89	1989/ 90	1990/ 91
EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:					Other countries:				
Belgium/ Luxembourg.....	49	105	242	256	Canada.....	1,082	3,700	1,663	1,204
Germany, Fed. Rep. of.....	624	1,680	1,961	1,669	Japan.....	290	149	166	122
Ireland.....	119	149	181	121	Nigeria.....	121	169	43	11
United Kingdom.....	190	278	151	308	South Africa.....	25	68	23	50
Other countries.....	217	325	292	416	Other countries.....	692	958	1,450	901
Total.....	1,199	2,537	2,827	2,770	Total.....	2,210	5,044	3,345	2,288
Latin America:					Grand total.....	8,096	12,693	14,508	9,224
Argentina.....	92	0	27	67	IMPORTS				
Brazil.....	2,891	2,904	4,123	2,883	Australia.....	3	3	139	167
Chile.....	89	63	80	104	Belgium/Luxembourg..	0	11	40	43
Colombia.....	429	643	2,543	127	Canada.....	44	180	409	349
Guatemala.....	50	55	55	51	Czechoslovakia.....	531	345	1,162	1,073
Mexico.....	815	1,195	1,144	647	France.....	182	268	254	200
Peru.....	94	105	131	31	Germany, Fed. Rep. of..	4,070	4,113	5,245	4,665
Uruguay.....	19	11	14	18	Poland.....	145	472	272	236
Venezuela.....	39	49	87	85	United Kingdom.....	4	3	1	35
Other countries.....	169	87	114	153	Yugoslavia.....	40	158	187	131
Total.....	4,687	5,112	8,318	4,166	China (Mainland).....	0	0	28	2,428
					Other countries.....	50	41	80	68
					Total.....	5,069	5,594	7,817	9,395

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, 1976-91

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>
1976.....	127,980	190.00	24,334,959	1984.....	113,360	396.00	44,835,025
1977.....	122,810	206.00	25,249,390	1985.....	109,582	402.00	44,006,068
1978.....	116,375	232.00	27,030,385	1986.....	105,378	391.00	41,230,884
1979.....	110,864	403.00	44,697,773	1987.....	102,118	407.00	41,567,085
1980.....	111,242	502.00	55,844,204	1988.....	99,622	523.00	52,147,608
1981.....	114,351	473.00	54,123,534	1989.....	98,065	580.00	56,907,654
1982.....	115,444	415.00	47,905,367	1990.....	98,162	614.00	60,285,432
1983.....	115,001	406.00	46,708,350	1991 ¹	99,436	653.00	64,900,175

¹ Preliminary.

National Agricultural Statistics Service.

Table 386.—All cattle and calves: Number, by classes, United States, Jan. 1, 1976-91

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>
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	3,982	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.....	99,622	33,183	10,311	5,249	4,122	7,869	15,704	2,175	21,008
1989.....	98,065	33,125	10,212	5,386	4,161	7,603	15,497	2,182	19,899
1990.....	98,162	33,200	10,153	5,418	4,227	8,028	15,911	2,195	19,031
1991 ¹	99,436	33,620	10,159	5,585	4,194	8,383	16,548	2,228	18,720

¹ Preliminary.

National Agricultural Statistics Service.

Table 387.—All cattle and calves: Number and value, by States, Jan. 1, 1989-91

State	Number			Value					
	1989	1990	1991 ¹	Value per head			Total value		
				1989	1990	1991 ¹	1989	1990	1991 ¹
	<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.....	1,800	1,750	1,800	470.00	500.00	545.00	846,000	875,000	981,000
AK.....				620.00	635.00	630.00	5,704	5,207	4,725
AZ.....	9.2	8.2	7.5	565.00	585.00	620.00	497,200	485,550	520,800
AR.....	880	830	840	495.00	505.00	560.00	841,500	855,500	946,400
CA.....	1,700	1,700	1,690	680.00	705.00	725.00	3,196,000	3,384,000	3,443,750
CO.....	4,700	4,800	4,750	600.00	615.00	705.00	1,710,000	1,783,500	1,974,000
CT.....	2,850	2,900	2,800	76	74	74	50,160	53,240	54,990
DE.....	31	31	28	655.00	700.00	760.00	20,305	21,700	21,280
FL.....	1,925	1,925	1,900	550.00	555.00	605.00	1,058,750	1,068,875	1,149,500
GA.....	1,450	1,400	1,420	500.00	525.00	550.00	725,000	735,000	781,000
HI.....	212	205	214	390.00	385.00	460.00	82,680	78,925	98,440
ID.....	1,650	1,660	1,740	600.00	640.00	680.00	990,000	1,062,400	1,183,200
IL.....	1,950	1,950	2,000	605.00	625.00	655.00	1,179,750	1,218,750	1,310,000
IN.....	1,240	1,250	1,225	560.00	585.00	620.00	694,400	731,250	759,500
IA.....	4,500	4,500	4,750	600.00	635.00	650.00	2,700,000	2,857,500	3,087,500
KS.....	5,600	5,700	5,700	540.00	575.00	620.00	3,024,000	3,277,500	3,534,000
KY.....	2,480	2,420	2,500	520.00	565.00	610.00	1,289,600	1,367,300	1,525,000
LA.....	1,030	1,050	1,020	505.00	545.00	575.00	520,150	572,250	586,500
ME.....	112	116	119	620.00	700.00	690.00	69,440	81,200	82,110
MD.....	328	315	320	680.00	755.00	770.00	228,040	237,825	244,400
MA.....	75	71	70	650.00	740.00	725.00	48,750	52,540	50,750
MI.....	1,225	1,225	1,225	625.00	705.00	745.00	765,625	863,625	912,625
MN.....	2,700	2,600	2,760	655.00	705.00	695.00	1,768,500	1,833,000	1,918,200
MS.....	1,370	1,370	1,290	490.00	515.00	535.00	671,300	705,550	690,150
MO.....	4,400	4,400	4,500	550.00	595.00	615.00	2,420,000	2,618,000	2,767,500
MT.....	2,450	2,300	2,400	640.00	675.00	755.00	1,568,000	1,552,500	1,812,000
NE.....	5,500	5,800	6,000	585.00	595.00	685.00	3,217,500	3,451,000	4,110,000
NV.....	520	570	520	545.00	560.00	680.00	283,400	319,200	327,600
NH.....	55	46	46	620.00	730.00	740.00	34,100	33,580	34,040
NJ.....	75	70	70	755.00	795.00	795.00	56,625	55,650	55,650
NM.....	1,350	1,360	1,340	570.00	590.00	615.00	769,500	802,400	824,100
NY.....	1,525	1,540	1,550	740.00	820.00	795.00	1,128,500	1,262,800	1,292,250
NC.....	850	900	950	495.00	535.00	570.00	420,750	481,500	541,500
ND.....	1,600	1,700	1,700	650.00	670.00	735.00	1,040,000	1,139,000	1,249,500
OH.....	1,730	1,650	1,580	605.00	645.00	690.00	1,046,650	1,064,250	1,090,200
OK.....	5,050	5,250	5,550	500.00	510.00	555.00	2,525,000	2,677,500	3,080,250
OR.....	1,390	1,400	1,500	590.00	605.00	640.00	820,100	847,000	960,000
PA.....	1,900	1,860	1,820	690.00	745.00	770.00	1,311,000	1,385,700	1,401,400
RI.....	7.0	7.0	7.0	625.00	680.00	670.00	4,375	4,760	4,690
SC.....	610	590	575	465.00	500.00	530.00	283,650	295,000	304,750
SD.....	3,380	3,380	3,400	635.00	650.00	720.00	2,146,300	2,197,000	2,448,000
TN.....	2,300	2,300	2,250	500.00	525.00	560.00	1,150,000	1,207,500	1,260,000
TX.....	13,400	13,200	13,400	545.00	585.00	630.00	7,303,000	7,722,000	8,442,000
UT.....	800	780	810	610.00	665.00	670.00	488,000	518,700	542,700
VT.....	300	297	280	700.00	815.00	820.00	210,000	242,055	229,600
VA.....	1,670	1,700	1,730	510.00	530.00	590.00	851,700	901,000	1,020,700
WA.....	1,300	1,330	1,340	665.00	695.00	735.00	864,500	924,350	984,900
WV.....	500	490	515	495.00	535.00	545.00	247,500	262,150	280,675
WI.....	4,130	4,170	4,170	705.00	795.00	765.00	2,911,650	3,315,150	3,190,050
WY.....	1,380	1,220	1,190	600.00	650.00	710.00	828,000	793,000	844,900
US.....	98,065	98,162	99,436	580.00	614.00	653.00	56,907,654	60,285,432	64,900,175

¹ Preliminary.
National Agricultural Statistics Service.

Table 388.—Cattle and calves, Jan. 1: Number, by sex and weight classes, by States, 1990 and 1991

State	Cows and heifers that have calved				Heifers, 500 pounds and over					
	Beef cows		Milk cows		Beef cow replacements		Milk cow replacements		Other	
	1990	1991 ¹	1990	1991 ¹	1990	1991 ¹	1990	1991 ¹	1990	1991 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>	<i>Thousands</i>	<i>Thousands</i>
AL.....	870	917	40	43	140	140	14	14	56	51
AK.....	2.6	2.3	1.4	1.1	.6	.6	.3	.3	.1	.1
AZ.....	259	249	91	96	48	45	20	20	11	13
AR.....	901	848	69	69	141	135	24	23	41	46
CA.....	935	940	1,115	1,150	155	155	525	525	195	195
CO.....	774	773	76	77	140	143	30	30	600	592
CT.....	7	7	34	33	2	1	14	14	1	1
DE.....	2	3	9	9	1	1	2	3	1	1
FL.....	1,083	1,065	182	185	120	150	35	30	15	20
GA.....	646	657	109	113	98	98	40	44	42	43
HI.....	75	80	11	11	16	18	6	9	17	20
ID.....	530	545	170	185	100	100	85	90	140	160
IL.....	555	570	195	195	60	70	65	70	300	310
IN.....	370	345	160	155	50	50	70	65	106	100
IA.....	1,122	1,163	308	302	155	180	120	135	645	715
KS.....	1,390	1,350	98	98	194	194	40	38	963	1,051
KY.....	1,040	1,100	210	200	160	185	85	80	85	80
LA.....	595	570	85	80	89	92	24	21	17	20
ME.....	16	18	43	42	5	5	17	18	2	3
MD.....	56	51	106	108	15	12	40	41	6	11
MA.....	11	11	31	30	3	3	9	8	1	1
MI.....	131	117	344	343	34	29	154	162	32	39
MN.....	350	375	715	690	65	72	325	315	185	228
MS.....	707	707	63	63	122	121	22	21	26	20
MO.....	1,964	2,040	226	230	300	330	102	105	223	230
MT.....	1,328	1,428	24	24	325	323	7	8	167	168
NE.....	1,755	1,827	105	103	230	245	35	35	1,110	1,160
NV.....	290	280	20	20	50	35	8	8	16	32
NH.....	4	4	19	20	2	2	8	8	0	0
NJ.....	10	13	26	25	2	2	12	13	1	1
NM.....	589	571	71	89	101	79	19	18	60	73
NY.....	75	70	790	775	24	22	319	322	37	36
NC.....	369	389	101	101	66	76	38	36	19	19
ND.....	872	875	88	85	130	130	25	30	135	140
OH.....	380	370	354	340	65	65	160	160	85	90
OK.....	1,880	1,870	100	100	265	300	30	35	565	555
OR.....	592	600	98	100	112	120	45	45	84	90
PA.....	176	184	694	686	41	43	292	280	47	47
RI.....	1.3	1.5	2.2	2.1	.3	.3	1.3	1.2	0	0
SC.....	279	271	36	34	51	50	16	16	17	17
SD.....	1,505	1,513	140	137	210	207	37	34	416	389
TN.....	1,005	975	195	195	171	190	75	60	54	75
TX.....	5,210	5,360	390	390	890	880	120	100	1,070	1,120
UT.....	325	321	80	80	57	58	48	52	40	36
VT.....	14	14	167	164	3	3	56	49	1	1
VA.....	699	714	141	141	110	120	83	80	57	68
WA.....	375	375	225	241	82	82	102	110	117	115
WV.....	245	266	25	24	45	45	10	10	22	18
WI.....	180	175	1,760	1,765	32	33	810	800	100	90
WY.....	650	650	10	10	140	145	2	2	98	93
US.....	33,200	33,620	10,153	10,159	5,418	5,585	4,227	4,194	8,028	8,383

See footnotes at end of table.

Table 388.—Cattle and calves, Jan. 1: Number, by sex and weight classes, by States, 1990 and 1991—Continued

State	Steers, 500 pounds and over		Bulls, 500 pounds and over		Calves under 500 pounds	
	1990	1991 ¹	1990	1991 ¹	1990	1991 ¹
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	100	95	60	65	470	475
AK.....	.5	.4	1.2	1.2	1.5	1.5
AZ.....	215	235	24	26	162	156
AR.....	73	71	53	53	398	445
CA.....	785	665	70	70	1,020	1,050
CO.....	900	827	45	48	335	310
CT.....	2	2	1	1	15	15
DE.....	9	6.8	1	2	6	4
FL.....	30	25	65	65	395	360
GA.....	63	60	45	45	357	360
HI.....	26	28	5	6	49	42
ID.....	300	340	35	40	300	280
IL.....	330	350	35	35	410	400
IN.....	186	180	25	25	283	305
IA.....	1,160	1,235	75	80	915	940
KS.....	2,035	2,120	68	68	912	781
KY.....	180	170	70	70	590	615
LA.....	23	23	34	34	183	180
ME.....	5	5	2	2	26	26
MD.....	22	35	6	4	64	58
MA.....	3	3	2	2	11	12
MI.....	248	273	17	17	265	245
MN.....	390	460	40	45	530	575
MS.....	54	43	50	49	326	266
MO.....	461	440	110	110	1,014	1,015
MT.....	181	190	75	79	193	180
NE.....	1,580	1,740	85	90	900	800
NV.....	34	35	15	15	137	95
NH.....	2	2	1	1	10	9
NJ.....	4	3	2	2	13	11
NM.....	220	208	40	40	260	262
NY.....	25	30	17	18	253	277
NC.....	50	50	27	29	230	250
ND.....	215	210	45	45	190	185
OH.....	205	215	36	38	365	302
OK.....	1,160	1,440	110	110	1,140	1,140
OR.....	183	186	36	39	250	320
PA.....	209	205	31	29	370	346
RI.....	.4	.4	.1	.1	1.4	1.4
SC.....	33	32	21	20	137	135
SD.....	521	570	74	71	477	479
TN.....	112	112	64	60	624	583
TX.....	2,620	2,650	400	400	2,500	2,500
UT.....	88	109	20	19	122	135
VT.....	3	3	3	3	50	43
VA.....	159	150	41	42	410	415
WA.....	231	230	24	27	174	160
WV.....	45	45	16	17	82	90
WI.....	305	325	33	32	950	950
WY.....	125	115	40	40	155	135
US.....	15,911	16,548	2,195	2,228	19,031	18,720

¹ Preliminary.
National Agricultural Statistics Service.

Table 389.—Cattle and buffalo: Number in specified countries, 1989-91 ¹

Country	1989	1990	1991 ²
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Argentina.....	50,782	50,582	50,182
Australia.....	23,998	24,230	24,277
Austria.....	2,541	2,562	2,600
Belgium-Luxembourg.....	3,174	3,277	3,430
Brazil.....	128,055	129,975	131,924
Bulgaria.....	1,613	1,550	1,497
Canada.....	11,016	11,201	11,350
China.....	97,950	100,752	102,500
Colombia.....	17,627	16,835	16,146
Costa Rica.....	1,735	1,762	1,776
Czechoslovakia.....	5,075	5,129	5,075
Denmark.....	2,226	2,232	2,241
Dominican Republic.....	1,990	1,986	1,980
Egypt.....	6,381	6,385	6,408
El Salvador.....	1,162	1,176	1,214
Finland.....	1,379	1,363	1,350
France.....	20,120	19,980	19,830
Germany, East ³	5,710	5,724	4,927
Germany, West ³	14,659	14,563	14,587
Greece.....	723	715	720
Guatemala.....	2,100	1,900	1,695
Honduras.....	2,940	2,424	2,388
Hungary.....	1,690	1,598	1,590
India.....	269,200	272,300	275,400
Ireland.....	5,637	5,899	6,029
Israel.....	191	183	183
Italy.....	8,843	8,853	8,659
Japan.....	4,682	4,760	4,865
Korea, South.....	2,039	2,051	2,100
Mexico.....	34,999	31,747	30,005
Netherlands.....	4,606	4,731	4,800
New Zealand.....	8,058	7,830	8,070
Panama.....	1,512	1,502	1,502
Philippines.....	4,524	4,394	4,400
Poland.....	10,100	10,143	9,023
Portugal.....	1,359	1,343	1,316
Romania.....	6,416	6,283	5,952
Saudi Arabia.....	217	191	176
South Africa.....	12,675	13,398	13,578
Spain.....	5,200	5,331	5,300
Sweden.....	1,676	1,678	1,675
Switzerland.....	1,850	1,848	1,851
Taiwan.....	176	165	164
Turkey.....	13,400	12,000	10,300
Soviet Union.....	119,580	118,300	117,500
United Kingdom.....	11,902	11,933	12,004
United States.....	98,065	98,162	99,436
Uruguay.....	10,548	9,377	9,431
Venezuela.....	13,095	13,210	13,615
Yugoslavia.....	4,759	4,702	4,670
Total.....	1,059,845	1,060,215	1,061,691

¹ Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible. ² Preliminary. ³ East and West Germany are now one country, and after 1991 production data will be combined.

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 390.—Calf crop: Cows and heifers that have calved and calves born, by States, 1989 and 1990

State	Cows and heifers that have calved		Calves born	
	Jan. 1		1989	1990 ¹
	1989	1990 ¹		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	910	960	800	850
AK.....	4.0	3.4	3.4	2.8
AZ.....	350	345	290	280
AR.....	970	917	850	810
CA.....	2,050	2,090	1,850	1,850
CO.....	850	850	825	830
CT.....	41	40	38	37
DE.....	11	12	9	11
FL.....	1,265	1,250	1,000	1,000
GA.....	755	770	670	670
HI.....	86	91	70	78
ID.....	700	730	660	690
IL.....	750	765	640	650
IN.....	530	500	460	460
IA.....	1,430	1,465	1,440	1,360
KS.....	1,488	1,448	1,400	1,370
KY.....	1,250	1,300	1,160	1,200
LA.....	680	650	560	520
ME.....	59	60	57	58
MD.....	162	159	155	141
MA.....	42	41	33	34
MI.....	475	460	440	400
MN.....	1,065	1,065	1,075	1,070
MS.....	770	770	690	690
MO.....	2,190	2,270	2,050	2,070
MT.....	1,352	1,452	1,350	1,400
NE.....	1,860	1,930	1,710	1,740
NV.....	310	300	255	265
NH.....	23	24	22	22
NJ.....	36	38	32	32
NM.....	660	660	560	520
NY.....	865	845	830	810
NC.....	470	490	440	460
ND.....	960	960	1,000	1,000
OH.....	734	710	645	610
OK.....	1,980	1,970	1,930	1,850
OR.....	690	700	650	650
PA.....	870	870	800	780
RI.....	3.5	3.6	3.5	3.5
SC.....	315	305	265	245
SD.....	1,645	1,650	1,670	1,650
TN.....	1,200	1,170	1,100	1,075
TX.....	5,600	5,750	5,000	5,000
UT.....	405	401	360	360
VT.....	181	178	169	165
VA.....	840	855	780	795
WA.....	600	616	520	530
WV.....	270	290	245	265
WI.....	1,940	1,940	1,900	1,900
WY.....	660	660	640	620
US.....	43,353	43,779	40,102	39,879

¹ Preliminary.

National Agricultural Statistics Service.

Table 391.—Cattle and calves: Number on feed, by States, by quarters, 1990 and 1991 ¹

State	1990				1991	
	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.....	253	213	160	180	232	201
CA.....	490	390	425	450	440	395
CO.....	900	900	770	795	1,005	950
ID.....	200	195	226	222	250	275
IL.....	310	300	265	280	370	350
IA.....	980	1,020	835	775	1,050	1,090
KS.....	1,595	1,700	1,380	1,570	1,760	1,770
MN.....	300	330	290	230	345	350
NE.....	2,060	2,150	1,680	1,780	2,320	2,420
OK.....	325	320	295	320	330	340
SD.....	260	270	230	195	320	320
TX.....	2,100	2,110	2,060	2,120	2,330	2,230
WA.....	170	165	145	175	185	178
13 States.....	9,943	10,063	8,761	9,092	10,937	10,869
AL.....	30				25	
AR.....	10				14	
FL.....	20				10	
GA.....	13				16	
HI.....	16				15	
IN.....	235				220	
KY.....	20				35	
LA.....	9				8	
MD.....	12				16	
MI.....	220				250	
MS.....	8				9	
MO.....	90				105	
MT.....	80				90	
NV.....	28				45	
NJ.....	2				2	
NM.....	118				131	
NY.....	18				25	
NC.....	20				20	
ND.....	40				45	
OH.....	210				230	
OR.....	84				90	
PA.....	80				85	
SC.....	17				18	
TN.....	20				15	
UT.....	41				62	
VA.....	30				35	
WV.....	7				12	
WI.....	120				130	
WY.....	75				50	
Other States.....	10				7	
US.....	11,626				12,742	

¹ 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, 1976-91 ¹

Year	Number	Year	Number	Year	Number	Year	Number
	<i>Thousands</i>		<i>Thousands</i>		<i>Thousands</i>		<i>Thousands</i>
1976.....	12,941	1980.....	12,221	1984.....	11,594	1988.....	11,872
1977.....	12,580	1981.....	11,598	1985.....	12,453	1989.....	9,688
1978.....	13,472	1982.....	10,618	1986.....	11,731	1990.....	11,626
1979.....	13,274	1983.....	12,051	1987.....	11,277	1991 ²	12,742

¹ 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. ² Preliminary.

National Agricultural Statistics Service.

Table 393.—Cattle and calves: Production, disposition, cash receipts, and gross income, United States, 1976-90

Year	Calf crop ¹	Death loss		Marketings ²		Cattle shipped in for feeding and breeding ³	Farm slaughter
		Cattle	Calves	Cattle	Calves			Cattle and 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>
1976.....	47,384	1,821	3,369	55,394	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.....	43,885	1,877	3,617	48,391	10,464	19,233	410
1984.....	42,470	1,873	3,591	50,686	10,246	20,535	388
1985.....	41,050	1,701	3,345	49,171	10,548	19,882	370
1986.....	41,182	1,714	3,278	49,931	10,406	21,235	349
1987.....	40,152	1,700	3,100	49,518	10,223	22,222	330
1988.....	40,293	1,655	3,002	48,718	10,433	22,239	280
1989.....	40,102	1,537	2,915	46,682	10,489	21,858	240
1990 ⁴	39,879	1,566	2,859	46,697	10,414	23,174	245

Year	Quantity produced (live weight) ⁵	Value of production	Cash receipts from sales of cattle, calves, beef and veal ⁶	Value of cattle and calves slaughtered for home consumption	Gross income ⁷	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>
1976.....	41,898,356	13,826,938	19,293,597	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.....	38,803,335	26,246,763	35,024,950	698,892	35,718,842	66.10	88.70
1980.....	40,283,777	25,468,867	31,827,906	628,698	32,451,604	62.40	76.80
1981.....	41,178,209	23,682,144	29,537,848	600,885	30,138,733	58.60	64.00
1982.....	40,714,722	22,623,349	29,813,318	576,645	30,389,968	56.70	59.80
1983.....	40,356,342	22,047,169	28,864,375	554,512	29,418,887	55.50	61.70
1984.....	40,055,102	22,149,276	30,588,872	551,574	31,140,446	57.30	59.90
1985.....	40,120,920	21,184,833	29,002,301	488,255	29,485,556	53.70	62.10
1986.....	40,589,257	20,989,371	28,865,089	451,180	29,316,269	52.60	61.10
1987.....	40,502,303	24,765,784	33,583,325	473,706	34,057,031	61.10	73.50
1988.....	40,557,450	27,219,863	36,809,614	481,038	37,290,652	66.60	89.20
1989.....	40,240,800	28,030,566	36,894,270	444,567	37,338,897	69.50	90.80
1990 ⁴	40,742,658	30,519,406	39,747,094	457,817	40,204,911	74.60	95.60

¹ Calves born during the year. ² Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ³ Includes cattle shipped in from other States and from central markets, but excludes cattle for immediate slaughter. ⁴ Preliminary. ⁵ Adjustments made for changes in inventory and for shipments. ⁶ Receipts from marketings and sale of farm slaughter. ⁷ "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 394.—Cattle: Average price per 100 pounds, by grades, at Omaha, 1976-90

Year	Steers ¹			Heifers ¹			Cows ²	
	Prime	Choice	Select	Prime	Choice	Select	Commercial	Utility
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1976		39.11	35.87		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	62.18		64.90	61.22	44.91	45.72
1981		63.34	59.83		62.05	59.46	41.59	41.93
1982		64.22	59.47		62.79	59.82	40.35	39.36
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		58.97	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
1988		69.58	67.06		68.16	65.35	45.80	47.94
1989		72.52	70.28		71.98	69.52	47.28	49.70
1990		77.40	75.24		76.82	73.94	53.37	55.08

¹ 900 to 1,100 pound weight range; simple average of price range. ² All weights; simple average of price range. Agricultural Marketing Service.

Table 395.—Cattle and calves: Receipts at selected public stockyards, 1976-90 ¹

Year	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting ²	
										Cattle
Cattle										
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
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	8,440	
1984		223	474	198	179	461	373	6,532	8,470	
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	
1988		97	230	107	108	386	150	4,886	5,914	
1989		80	191	85	93	283	147	4,743	5,622	
1990		55	152	72	92	256	120	4,523	5,270	
Calves										
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
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	10	42	80	133		
1986				1	13	33	53	100		
1987					13	27	31	72		
1988						18	31	62		
1989						14	42	56		
1990						12	52	53		
						9	15	24		

¹ Total rail and truck receipts unloaded at public stockyards. Saleable receipts 1978 on. ² Rounded totals of the complete figures. ³ The number of stockyards varies from 23 to 46. ⁴ Data no longer reported. ⁵ Cattle and calves combined in 1977. ⁶ 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, 1976-90

Year	Cattle slaughter					Calf slaughter				
	Commercial			Farm	Total	Commercial			Farm	Total
	Federal-ly inspected	Other	Total ¹			Federal-ly inspected	Other	Total 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>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
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	85	3,162
1984	35,880	1,702	37,582	310	37,892	3,030	267	3,297	80	3,377
1985	34,765	1,523	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
1988	34,048	1,031	35,079	245	35,324	2,411	95	2,506	50	2,556
1989	33,010	907	33,917	189	34,106	2,100	73	2,172	51	2,223
1990	32,391	852	33,242	197	33,439	1,742	48	1,790	48	1,838

¹ Totals are based on unrounded numbers.
National Agricultural Statistics Service.

Table 397.—Cattle and calves: Number slaughtered under Federal inspection, average live weight, and average cost to slaughters (live weight), 1976-90

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>
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
1988	34,048	1,124	2,411	251
1989	33,010	1,138	2,100	259
1990	32,391	1,136	1,790	283

National Agricultural Statistics Service.

Table 398.—Cattle and calves: Production, disposition, cash receipts, and gross income, by States, 1990 (preliminary)

State	Marketings ¹		Cattle shipped in for feeding and breeding	Farm slaughter of cattle and calves ²	Quantity produced (live weight) ³	Value of production	Cash receipts from sales of cattle, calves, beef, and veal ⁴	Value of cattle and calves slaughtered for home consumption	Gross income ⁵
	Cattle	Calves							
	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
AL.....	550	271	95	2	683,990	499,505	510,428	9,128	519,556
AK.....	1.6	0	1	1.1	1,678	1,056	992	1,574	582
AZ.....	640	92	520	3	478,350	347,985	504,694	3,298	507,992
AR.....	737	282	290	5	591,720	425,936	537,665	6,725	544,390
CA.....	2,191	174	693	18	2,002,560	1,314,708	1,739,859	17,667	1,757,526
CO.....	2,887	105	2,180	3	1,945,720	1,546,326	2,610,209	6,805	2,617,014
CT.....	19	19	6	2	20,770	13,248	16,078	1,659	17,737
DE.....	12	2	3	1	11,940	7,807	9,228	1,255	10,483
FL.....	247	780	65	2	441,400	364,224	390,561	2,124	392,685
GA.....	330	305	50	2	382,470	264,664	272,524	3,525	276,049
HI.....	58	7	.....	0	70,610	34,180	28,735	426	29,161
ID.....	837	110	415	3	859,320	592,922	704,908	7,494	712,402
IL.....	885	148	520	6	806,070	633,326	802,288	25,902	828,190
IN.....	465	156	195	4	410,845	285,434	347,371	10,845	358,216
IA.....	2,483	80	1,650	7	1,954,850	1,488,444	2,073,874	17,670	2,091,544
KS.....	4,942	1	3,715	2	3,109,340	2,416,961	4,345,614	11,586	4,357,200
KY.....	865	544	430	6	744,115	568,256	682,120	13,700	695,820
LA.....	180	310	2	2	258,035	201,033	211,403	3,951	215,354
ME.....	26	28	6	1	31,740	20,141	19,633	1,810	21,443
MD.....	80	49	10	3	114,740	82,701	78,620	5,108	83,728
MA.....	12	19	1	1	12,430	7,864	8,281	1,116	9,397
MI.....	324	41	55	5	395,280	252,953	265,578	10,043	275,621
MN.....	1,060	121	440	9	1,148,535	819,736	914,795	18,973	933,768
MS.....	337	380	20	3	384,670	271,355	297,726	5,798	303,524
MO.....	825	960	40	10	1,172,695	984,012	908,735	26,731	935,466
MT.....	1,047	310	142	5	999,280	736,409	725,476	7,985	733,461
NE.....	5,483	70	4,200	2	3,735,450	2,857,611	4,842,325	10,181	4,852,506
NV.....	195	134	40	3	179,100	131,528	167,132	3,117	170,249
NH.....	8	11	1	1	13,380	8,762	7,658	1,232	8,890
NJ.....	11.5	19.5	3	1	21,055	14,709	14,721	892	15,613
NM.....	1,100	300	920	3	589,430	435,727	785,076	5,924	791,000
NY.....	210	484	18	6	302,160	196,861	196,203	8,046	204,249
NC.....	200	175	13	2	298,390	204,220	178,712	11,284	189,996
ND.....	458	610	135	4	649,050	543,465	597,853	6,360	604,213
OH.....	490	159	54	5	749,930	539,328	398,300	15,992	414,292
OK.....	2,470	230	1,400	10	1,961,440	1,460,778	1,791,259	15,716	1,806,975
OR.....	412	130	100	18	497,640	358,378	351,178	19,197	370,375

See footnotes at end of table.

Table 398.—Cattle and calves: Production, disposition, cash receipts, and gross income, by States, 1990 (preliminary)—Continued

State	Marketings ¹		Cattle shipped in for feeding and breeding	Farm slaughter of cattle and calves ²	Quantity produced (live weight) ³	Value of production	Cash receipts from sales of cattle, calves, beef, and veal ⁴	Value of cattle and calves slaughtered for home consumption	Gross income ⁵
	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>
PA.....	510	315	100	11	598,260	422,785	469,950	19,687	489,637
RI.....	1.5	1.7	.3	.1	1,650	1,061	1,107	113	1,220
SC.....	194	49	15	3	228,035	141,006	145,166	4,875	150,041
SD.....	1,509	410	442	3	1,780,500	1,404,070	1,580,220	9,858	1,590,078
TN.....	680	406	86	5	664,690	454,551	497,213	9,639	506,852
TX.....	7,360	200	3,300	15	5,926,300	4,563,841	5,816,329	23,161	5,839,490
UT.....	301	75	89	5	342,055	259,597	284,938	7,675	292,613
VT.....	60	102	14	3	57,450	37,167	49,020	3,936	52,956
VA.....	516	160	13	7	605,660	431,870	408,275	12,346	420,621
WA.....	668	60	285	17	652,510	480,836	596,973	17,012	613,985
WV.....	150	101	40	4	171,515	130,352	121,821	5,824	127,645
WI.....	899	760	38	9	1,219,550	887,453	883,425	19,686	903,111
WY.....	770	158	325	2	469,305	371,714	554,845	4,158	559,003
US.....	46,697	10,414	23,174	245	40,742,658	30,519,406	39,747,094	457,817	40,204,911

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Excludes custom slaughter for farmers at commercial establishments. ³ Adjustments made for changes in inventory and for inshipments. ⁴ Includes receipts from marketings and sales of farm-slaughtered meat. ⁵ 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 399.—Cattle and calves: Number slaughtered commercially, total and average live weight, by States, 1991¹

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.....	263.9	288,175	1,092	0.2	98	410
AZ.....	344.2	358,994	1,043	(²)	(²)	(²)
AR.....	35.9	31,934	891	(²)	(²)	(²)
CA.....	1,172.4	1,407,955	1,201	92.1	21,986	239
CO.....	2,078.6	2,362,876	1,137	.1	23	216
DE and MD.....	45.1	53,229	1,180	31.3	12,245	392
FL.....	144.3	139,759	968	74.7	22,241	298
GA.....	245.6	237,483	967	12.8	4,836	378
HI.....	54.5	53,833	988	1.7	253	145
ID.....	641.4	762,982	1,190	.4	121	328
IL.....	(²)	(²)	(²)	129.1	49,314	382
IN.....	108.5	116,921	1,078	136.0	53,466	393
IA.....	1,830.3	2,134,902	1,166	(²)	(²)	(²)
KS.....	6,258.5	7,091,010	1,133	(²)	(²)	(²)
KY.....	112.0	99,883	892	(²)	(²)	(²)
LA.....	40.3	32,202	799	37.8	16,016	423
MI.....	(²)	(²)	(²)	54.9	18,281	333
MN.....	1,045.0	1,263,600	1,209	1.2	281	225
MS.....	(²)	(²)	(²)	26.4	9,880	375
MO.....	327.4	350,717	1,071	3.9	1,229	315
MT.....	28.1	29,980	1,068	(²)	(²)	(²)
NE.....	5,882.3	6,804,055	1,157	(²)	(²)	(²)
NV.....	1.3	1,257	937	(²)	(²)	(²)
N ENG ³	54.1	57,895	1,070	89.9	13,184	147
NJ.....	20.5	24,941	1,218	27.2	9,873	362
NM.....	134.6	138,339	1,028	(²)	(²)	(²)
NY.....	66.3	71,039	1,071	279.6	57,252	205
ND.....	135.4	134,900	997	2.6	809	314
NC.....	168.5	214,703	1,274	(²)	(²)	(²)
OH.....	235.2	261,873	1,123	88.0	13,285	151
OK.....	64.2	62,065	967	2.8	1,233	444
OR.....	64.7	71,499	1,106	6.2	2,094	336
PA.....	961.7	1,148,528	1,194	234.6	55,167	235
SC.....	110.3	123,087	1,116	5.5	2,612	477
SD.....	569.3	701,869	1,233	(²)	(²)	(²)
TN.....	(²)	(²)	(²)	(²)	(²)	(²)
TX.....	5,681.4	6,100,363	1,074	80.1	26,799	335
UT.....	476.6	558,811	1,172	.5	113	233
VA.....	(²)	(²)	(²)	1.6	403	253
WA.....	(²)	(²)	(²)	49.5	18,076	365
WV.....	16.4	15,768	960	9.4	3,276	347
WI.....	1,149.2	1,367,688	1,190	297.0	89,282	301
WY.....	5.8	6,326	1,096	(²)	(²)	(²)
US.....	33,242.2	37,758,377	1,136	1,789.6	507,328	283

¹ 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. ² Data not shown to avoid disclosing individual operations, but are included in U.S. totals. ³ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.

Table 400.—Cattle: Number slaughtered under Federal inspection, and percentage distribution, by classes, 1976-90

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>
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
1988	16,833	6,151	10,439	16,590	625	49.4	11.4	30.7	42.1	1.8
1989	16,094	6,146	10,128	16,274	642	48.7	18.1	30.7	48.0	1.9
1990	16,160	5,765	9,832	15,597	633	49.9	17.8	30.4	48.2	1.9

National Agricultural Statistics Service.

Table 401.—Beef, dressed (carlots): Average wholesale price per 100 pounds, by grade and weight, 1975-89¹

Year	Steer beef		Heifer beef		Cow beef, all weights	
	Choice 700-800 lb.	Select 600-700 lb.	Choice 550-600 lb.	Select 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>
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 ²	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	61.88	71.31
1987	97.24	91.78	96.21	90.65	70.21	83.70
1988	103.07	96.79	102.58	95.92	74.51	88.61
1989	107.78	101.95		101.94	78.29	94.43

¹ Chicago prices through 1975, with 1975 reflecting only a Jan.-Sept. average. Midwest prices start with 1976.

² Midwest prices; Chicago now included in Midwest Report.

Agricultural Marketing Service.

Table 402.—Hogs and pigs: Number and value, United States, Dec. 1, 1976-90

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>	<i>Dollars</i>	<i>1,000 dollars</i>
1976.....	54,934	47.00	2,582,568	1984.....	54,073	75.00	4,056,988
1977.....	56,539	63.20	3,575,279	1985.....	52,314	69.60	3,640,420
1978.....	60,356	83.20	5,023,454	1986.....	51,001	91.90	4,686,943
1979.....	67,318	56.00	3,772,812	1987.....	54,384	76.00	4,132,872
1980.....	64,462	74.70	4,815,218	1988.....	55,469	66.30	3,677,751
1981.....	58,698	70.10	4,114,350	1989.....	53,821	79.10	4,255,785
1982.....	54,534	89.90	4,903,494	1990 ¹	54,562	85.40	4,657,391
1983.....	56,694	58.80	3,330,801				

¹ Preliminary.

National Agricultural Statistics Service.

Table 403.—Hogs and pigs: Number and value, by States, Dec. 1, 1988-90

State	Number			Value					
	1988	1989	1990 ¹	Value per head			Total value		
				1988	1989	1990 ¹	1988	1989	1990 ¹
	<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.....	345	370	400	60.50	80.00	91.00	20,873	29,600	36,400
AK.....	6	7	1.2	167.00	185.50	165.00	100	130	198
AZ.....	130	100	110	75.00	88.00	93.00	9,750	8,800	10,230
AR.....	540	710	760	64.00	73.50	84.00	34,560	52,185	63,840
CA.....	130	140	180	89.00	96.50	110.00	11,570	13,510	19,800
CO.....	220	230	300	74.50	86.50	93.00	16,390	19,895	27,900
CT.....	6.8	6.2	6.9	87.50	94.50	95.00	595	586	656
DE.....	33	32	31	70.50	83.00	86.00	2,327	2,656	2,666
FL.....	140	140	130	70.00	87.50	91.00	9,800	12,250	11,830
GA.....	1,210	1,200	1,100	57.00	72.00	84.00	68,970	86,400	92,400
HI.....	43	39	36	127.50	133.50	135.00	5,483	5,207	4,860
ID.....	80	72	60	64.50	73.00	86.00	5,160	5,256	5,160
IL.....	5,600	5,700	5,700	65.50	79.50	83.00	366,800	453,150	473,100
IN.....	4,300	4,350	4,300	64.50	77.50	84.00	277,350	337,125	361,200
IA.....	14,000	13,500	14,000	65.50	80.00	86.00	917,000	1,080,000	1,204,000
KS.....	1,500	1,450	1,500	62.00	75.50	81.00	93,000	109,475	121,500
KY.....	1,090	975	920	63.00	70.50	78.00	68,670	68,738	71,760
LA.....	70	55	50	68.00	83.50	92.00	4,760	4,593	4,600
ME.....	9.3	9.3	9.9	87.50	82.50	89.00	814	767	881
MD.....	170	180	162	69.00	88.00	93.00	11,730	15,840	15,066
MA.....	31	33	33	81.00	75.50	84.00	2,511	2,492	2,772
MI.....	1,250	1,260	1,250	73.50	79.00	92.00	91,875	99,540	115,000
MN.....	4,690	4,460	4,500	67.50	79.50	85.00	316,575	353,775	382,500
MS.....	210	180	149	60.00	76.50	83.00	12,600	13,770	12,367
MO.....	2,850	2,700	2,800	63.50	75.00	88.00	180,975	202,500	246,400
MT.....	225	220	185	72.00	80.00	89.00	16,200	17,600	16,465
NE.....	4,150	4,200	4,300	70.50	83.00	88.00	292,575	348,600	378,400
NV.....	15	14	14	81.50	82.00	97.00	1,223	1,148	1,358
NH.....	9.1	8.7	9.3	90.50	87.50	92.00	824	761	856
NJ.....	33	30	25	73.00	82.50	93.00	2,409	2,475	2,325
NM.....	26	25	27	76.00	88.50	85.00	1,976	2,213	2,295
NY.....	151	124	103	70.00	80.00	85.00	10,570	9,920	8,755
NC.....	2,700	2,570	2,800	61.50	73.00	75.00	166,050	187,610	210,000
ND.....	340	280	265	66.50	79.50	87.00	22,610	22,260	23,055
OH.....	2,210	2,080	2,000	67.50	78.50	83.00	149,175	163,280	166,000
OK.....	240	230	215	67.50	79.00	86.00	16,200	18,170	18,490
OR.....	100	90	80	73.00	81.00	96.00	7,300	8,190	7,680
PA.....	970	975	920	70.50	81.00	84.00	68,385	78,975	77,280
RI.....	5.9	5.9	5.3	79.50	73.00	89.00	469	431	472
SC.....	450	430	410	70.00	80.50	86.00	31,500	34,615	35,260
SD.....	1,810	1,720	1,770	71.00	85.00	94.00	128,510	146,200	166,380
TN.....	1,000	700	620	66.50	80.50	86.00	66,500	56,350	53,320
TX.....	560	500	550	72.00	81.00	82.00	40,320	40,500	45,100
UT.....	33	27	33	69.50	76.50	93.00	2,294	2,066	3,089
VT.....	6.0	5.7	5.0	111.00	98.50	90.00	666	561	450
VA.....	400	450	430	64.00	74.50	83.00	25,600	33,525	35,690
WA.....	53	56	56	69.00	92.50	91.00	3,657	5,180	5,096
WV.....	37	32	30	81.50	79.50	93.00	3,016	2,544	2,790
WI.....	1,275	1,150	1,200	69.00	81.00	90.00	87,975	93,150	108,000
WY.....	21	16	20	72.00	76.50	86.00	1,512	1,224	1,720
US.....	55,469	53,821	54,562	66.30	79.10	85.40	3,677,751	4,255,785	4,657,391

¹ Preliminary.

National Agricultural Statistics Service.

Table 404.—Sows farrowing and pig crop: Number, United States, 1976-90

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
	Thousands	Thousands	Thousands	Thousands	Thousands		Thousands	Thousands	Thousands	Thousands	Thousands
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	5,669	42,546	43,490	86,036
1978	6,034	6,398	42,481	46,031	88,512	1986	5,253	5,440	40,445	42,126	82,571
1979	7,176	7,322	50,551	52,241	102,792	1987	5,579	5,810	43,496	44,927	88,423
1980	7,229	6,855	52,288	49,432	101,720	1988	6,030	6,036	46,883	46,000	92,883
1981	6,440	6,268	47,605	46,248	93,853	1989	6,041	5,775	47,238	44,836	92,074
1982	5,664	5,884	41,575	43,614	85,189	1990 ¹	5,742	5,698	45,307	44,859	90,166
1983	6,301	6,181	47,409	45,785	93,194						

¹ Preliminary.

National Agricultural Statistics Service.

Table 405.—Hogs and pigs: Number for breeding and market, United States, 1976-90

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									
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	
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	45,772	
1978 ¹	55,240	8,857	20,984	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	22,045	12,016	8,871	6,900		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	48,875	6,435	17,645	10,580	8,000	6,215		42,440	
1987	52,200	7,040	19,600	11,080	8,170	6,310		45,160	
1988	56,185	7,530	20,888	11,985	8,780	7,002		48,655	
1989	55,880	7,315	20,687	12,090	8,785	7,003		48,565	
1990 ²	53,850	7,075	19,806	11,718	8,535	6,716		46,775	
Dec. 1									
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	
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 ¹	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	6,945	18,069	12,008	9,607	7,444		47,128	
1985	52,314	6,778	17,806	11,700	9,320	7,210		45,536	
1986	51,001	6,691	16,786	11,246	9,113	7,164		44,309	
1987	54,384	7,080	17,735	11,938	9,649	7,982		47,301	
1988	55,469	7,054	18,011	12,394	10,025	7,984		48,414	
1989	53,821	6,862	17,195	12,183	9,673	7,908		46,959	
1990 ²	54,462	6,867	17,861	12,204	9,639	7,891		47,595	

¹ 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. ² Preliminary.

National Agricultural Statistics Service.

Table 406.—Hogs: Number in specified countries, 1989-91 ¹

Country	1989	1990	1991 ²	Country	1989	1990	1991 ²
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>		<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Australia.....	2,766	2,765	2,850	Japan.....	11,866	11,816	11,495
Austria.....	3,874	3,773	3,800	Korea, South.....	4,852	4,801	4,528
Belgium-Luxembourg.....	6,306	6,551	6,510	Mexico.....	9,003	8,563	8,693
Brazil.....	31,700	37,500	44,675	Netherlands.....	13,320	13,634	13,788
Bulgaria.....	4,134	4,270	4,288	New Zealand.....	414	380	355
Canada.....	11,018	10,756	10,800	Philippines.....	7,909	7,990	8,100
China.....	342,220	352,810	360,000	Poland.....	20,169	18,685	19,736
Colombia.....	2,393	2,434	2,398	Portugal.....	2,326	2,513	2,564
Czechoslovakia.....	7,348	7,498	7,498	Romania.....	14,950	11,659	13,929
Denmark.....	9,105	9,120	9,282	South Africa.....	1,589	1,687	1,630
Dominican Republic.....	293	306	316	Spain.....	16,100	16,850	16,929
Finland.....	1,327	1,348	1,382	Sweden.....	2,264	2,175	2,075
France.....	11,866	12,217	12,090	Switzerland.....	1,869	1,857	1,863
Germany, East ³	12,646	12,013	8,742	Taiwan.....	6,954	7,783	8,570
Germany, West ³	22,589	22,165	21,980	Soviet Union.....	78,143	78,900	79,000
Greece.....	1,114	820	671	United Kingdom.....	7,626	7,383	7,379
Guatemala.....	1,110	1,120	1,130	United States.....	55,469	53,852	54,562
Hungary.....	8,327	7,660	8,250	Venezuela.....	2,961	2,326	1,821
Ireland.....	961	999	1,069	Yugoslavia.....	7,396	7,231	7,100
Italy.....	9,360	9,254	9,119	Total.....	755,537	765,464	780,967

¹ Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible. ² Preliminary. ³ East and West Germany are now one country, and after 1991 production data will be combined.

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.—Hogs: Number slaughtered, United States, 1976-90

Year	Commercial			Farm	Total	Year	Commercial			Farm	Total
	Federally inspected	Other	Total ¹				Federally inspected	Other	Total 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>	<i>Thousands</i>	<i>Thousands</i>
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	1988.....	85,517	2,278	87,795	341	88,136
1981.....	87,851	3,724	91,575	895	92,470	1989.....	86,328	2,364	88,692	315	89,007
1982.....	79,328	2,861	82,190	655	82,845	1990.....	82,901	2,235	85,136	296	85,431
1983.....	84,762	2,823	87,584	517	88,101						

¹ Totals are based on unrounded numbers.

National Agricultural Statistics Service.

Table 408.—Sows farrowing and pig crop: Number, by States, 1989 and 1990

State	Sows farrowing				Pig crop					
	1989		1990		1989			1990		
	Dec.-May	June-Nov.	Dec.-May	June-Nov. ¹	Dec.-May	June-Nov.	Total	Dec.-May	June-Nov. ¹	Total ¹
Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
AL.....	49	44	50	44	368	345	713	373	339	712
AK.....	.1	.1	.1	.1	.8	1	1.8	.9	1	1.9
AZ.....	14	10	12	12	114	83	197	99	97	196
AR.....	70	84	79	90	621	754	1,375	697	788	1,485
CA.....	15	16	21	22	112	120	232	156	175	331
CO.....	24	25	27	31	197	197	394	220	261	481
CT.....	.5	.4	.6	.6	3.4	2.9	6.3	4.7	4.6	9.3
DE.....	6.4	3.4	5.2	3.7	46	26	72	45	22	67
FL.....	20	19	17	15	147	149	296	122	107	229
GA.....	132	124	127	113	1,010	980	1,990	990	882	1,872
HI.....	4.2	4.4	3.8	3.9	27	31	58	24	28	52
ID.....	7.4	7.5	6.5	6.3	57	57	114	52	49	101
IL.....	625	610	570	610	4,787	4,637	9,424	4,364	4,651	9,015
IN.....	460	460	455	445	3,610	3,622	7,232	3,600	3,572	7,172
IA.....	1,470	1,390	1,410	1,400	11,548	10,706	22,254	11,015	10,999	22,014
KS.....	167	149	155	151	1,303	1,166	2,469	1,240	1,197	2,437
KY.....	122	114	102	97	935	849	1,784	763	751	1,514
LA.....	8	7	7	6	55	46	101	47	42	89
ME.....	1.1	1.1	1.2	1.2	8.6	8.8	17.4	8.9	9.3	18.2
MD.....	19	21	18	20	133	156	289	143	165	308
MA.....	2.8	3.1	2.8	3.4	19	22	41	19.1	22	41.1
MI.....	133	135	136	126	1,037	1,049	2,086	1,075	987	2,062
MN.....	505	490	490	475	4,071	3,871	7,942	4,018	3,845	7,863
MS.....	26	20	22	16	192	147	339	159	129	288
MO.....	335	315	310	325	2,500	2,355	4,855	2,396	2,385	4,781
MT.....	29	25	24	20	216	190	406	194	163	357
NE.....	455	440	440	425	3,582	3,410	6,992	3,522	3,378	6,900
NV.....	1.7	1.6	1.9	1.6	13.2	12.4	25.6	14.5	12.5	27.0
NH.....	.6	.7	.6	.8	4.5	4.7	9.2	4.5	5.6	10.1
NJ.....	1.5	1.7	1.6	1.6	10.9	13	23.9	11.6	13.1	24.7
NM.....	2.8	2.7	2.7	2.9	21	21	42	20.8	22	42.8
NY.....	13	13	11	10	94	105	199	88	83	171
NC.....	310	300	310	310	2,534	2,423	4,957	2,527	2,574	5,101
ND.....	29	28	27	27	221	216	437	210	207	417
OH.....	240	226	219	205	1,884	1,808	3,692	1,774	1,620	3,394
OK.....	23	24	25	23	171	177	348	181	161	342
OR.....	11	10	9	9	93	78	171	71	73	144
PA.....	85	86	89	82	697	703	1,400	713	652	1,365
RI.....	.4	.5	.4	.5	2.8	3.5	6.3	3	3.4	6.4
SC.....	52	46	46	43	372	338	710	334	318	652
SD.....	208	182	198	198	1,655	1,392	3,047	1,595	1,564	3,159
TN.....	100	86	68	74	770	658	1,428	627	574	1,101
TX.....	61	51	48	58	457	349	806	352	432	784
UT.....	2.8	2.3	3.2	4.4	20.4	17.9	38.3	23	29	52
VT.....	.8	.7	.8	.7	4.9	5.5	10.4	4.8	4.7	9.5
VA.....	45	50	47	45	353	395	748	387	372	759
WA.....	7.4	6	6	6	56	51	107	50	50	100
WV.....	3.5	3.3	4	3.3	25.1	24	49.1	28	25	53
WI.....	140	133	130	128	1,061	1,044	2,105	1,024	998	2,022
WY.....	2.3	2	2	2	17.4	16.6	34.0	15.7	16.3	32.0
US.....	6,041	5,775	5,742	5,698	47,238	44,836	92,074	45,307	44,859	90,166

¹ Preliminary.

National Agricultural Statistics Service.

Table 409.—Hogs: Production, disposition, cash receipts, and gross income, United States, 1976-90

Year	Marketings ¹	Shipped in for feeding and breeding	Farm slaughter ²	Quantity produced (live weight) ³	Value of production ⁴	Cash receipts from sales of hogs, pork, and lard ⁵	Value of hogs slaughtered for home consumption	Gross income ⁶	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
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	262,047	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	89,168	3,527	517	21,206,207	9,904,224	9,790,233	123,898	9,914,131	46.80
1984	87,344	3,527	473	20,199,620	9,512,023	9,701,349	115,087	9,816,436	47.10
1985	86,731	3,726	446	20,166,989	8,872,061	9,033,241	98,982	9,132,223	44.00
1986	82,895	3,502	358	19,461,055	9,577,527	9,734,409	89,477	9,823,886	49.30
1987	84,249	3,746	328	20,445,529	10,443,597	10,336,628	87,409	10,424,037	51.20
1988	90,334	3,642	337	21,669,557	9,145,473	9,206,540	76,911	9,283,451	42.30
1989	92,550	3,642	317	21,941,772	9,294,438	9,465,966	71,560	9,537,526	42.50
1990 ⁷	89,380	4,308	284	21,275,064	11,333,382	11,516,367	85,060	11,601,427	53.70

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Excludes custom slaughtered for farmers at commercial establishments. ³ Adjustments made for changes in inventory and for inshipments. ⁴ Includes allowance for higher average price of State inshipments and outshipments of feeder pigs. ⁵ Receipts from marketings and sale of farm slaughter includes allowance for higher average price of State outshipments of feeder pigs. ⁶ Cash receipts from sale of hogs, pork, and lard plus value of hogs slaughtered for home consumption. ⁷ Data for 12-month period—December of previous year through November of current year. ⁸ Preliminary.

National Agricultural Statistics Service.

Table 410.—Hogs: Receipts at selected public stockyards and direct receipts at interior markets, 1976-90 ¹

Year	Receipts at selected public stockyards									Direct receipts in interior Iowa and South-ern Minnesota ⁴
	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting ^{2,3}	
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
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	5,625	12,758	20,194
1979	54	453	1,177	1,546	1,051	1,866	1,858	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	(⁵)	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	3,592	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
1988		121	562	800	477	800	827	3,100	6,687	24,626
1989		108	518	720	432	645	672	2,688	5,784	24,879
1990		101	425	602	357	528	559	2,339	4,911	23,642

¹ Total rail and truck receipts. Saleable receipts 1978 on. ² Rounded total of complete figures. ³ The number of stockyards reporting varies from 41 to 68. ⁴ Covers receipts at 14 packing plants and 30 concentration yards. ⁵ Data no longer reported.

Agricultural Marketing Service. Compiled from reports received from stockyard companies.

Table 411.—Hogs: Production, disposition, cash receipts, and gross income, by States, 1990 (preliminary)

State	Marketings ¹	Shipped in for feeding and breeding	Farm slaughter ²	Quantity produced (live weight) ³	Value of production ⁴	Cash receipts from sales of hogs, pork, and lard ⁵	Value of hogs slaughtered for home consumption	Gross income ⁶
	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	674	21	3	197,195	97,496	95,274	964	96,238
AK	6	0	6	265	206	103	84	187
AZ	179	4	1	37,560	20,353	19,738	273	20,011
AR	1,391	26	5	315,252	156,464	155,621	1,100	156,721
CA	297	43	20	67,920	39,530	38,486	2,663	41,149
CO	420	30	1	98,168	53,708	52,848	402	53,250
CT	8	0	1	1,977	969	866	47	913
DE	63	1	2	13,704	7,048	6,888	450	7,338
FL	231	2	1	37,076	19,370	20,041	148	20,189
GA	1,904	41	9	440,055	233,072	238,162	2,242	240,404
HI	49	0	2	9,205	7,309	7,252	343	7,595
ID	103	8	3	22,446	11,332	11,050	1,477	12,527
IL	8,930	359	14	2,224,798	1,192,052	1,206,275	7,697	1,213,972
IN	7,166	240	4	1,666,740	870,258	893,270	2,272	895,542
IA	21,994	1,400	20	5,394,390	2,912,375	2,989,051	8,172	2,997,223
KY	2,468	186	1	627,830	313,581	319,869	919	320,788
KS	1,532	100	7	332,755	181,506	185,141	3,214	188,355
LA	88	2	3	20,995	9,200	8,939	546	9,485
ME	16.1	0	1	5,164	2,530	1,806	686	2,492
MD	318	13	6	65,135	33,372	33,310	1,466	34,776
MA	36.6	0	1.5	7,893	3,868	3,564	276	3,840
MI	2,014	38	6	480,809	251,359	249,825	2,259	252,084
MN	7,685	262	15	1,714,520	947,863	965,387	6,728	972,115
MO	295	7	6	64,998	33,771	35,981	989	36,970
MS	4,485	32	8	1,039,718	566,259	560,394	3,086	563,480
MT	376	4	3	80,911	40,486	42,150	1,125	43,275
NE	6,917	430	3	1,623,580	881,684	898,366	1,997	900,363
NV	27	2.5	5	5,460	2,390	2,476	97	2,573
NH	7.5	0	1	2,075	1,016	725	245	970
NJ	34	9.3	1	1,906	745	1,641	166	1,807
NM	39	2.2	1	8,441	4,298	4,059	190	4,249
NY	176	2	5	35,513	17,748	18,692	1,079	19,771
NC	5,044	403	20	1,190,180	606,951	615,149	4,921	620,070
ND	429	19	2	87,885	44,211	45,247	433	45,680
OH	3,455	153	3	837,348	436,766	448,991	1,478	450,469
OK	430.5	93	2.5	99,745	50,606	57,325	758	58,083
OR	145	0	3	32,678	17,874	18,437	144	18,581
PA	1,424	87	18	323,845	174,038	179,923	3,445	183,368
RI	5.8	0	3	1,294	634	647	42	689
SC	694	70	8	158,868	81,154	84,166	1,464	85,630
SD	3,027	50	7	753,185	410,025	409,037	2,761	411,798
TN	1,254	153	25	255,256	132,164	138,247	7,182	145,429
TX	699	24	10	196,225	94,422	90,501	1,721	92,222
UT	45	4	1	11,706	5,619	5,110	212	5,322
VT	8.4	0	1	2,444	1,198	732	510	1,242
VA	729	15	15	175,750	93,908	92,390	3,371	95,701
WA	87	0	7	22,840	11,581	10,106	1,244	11,350
WV	52	4	3	14,800	7,760	7,078	1,010	8,088
WI	1,900	16	3	459,914	246,774	242,344	893	243,237
WY	27.5	2	5	7,547	3,979	3,747	69	3,816
US	89,880	4,308	284	21,275,064	11,393,382	11,516,367	85,060	11,601,427

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Excludes custom slaughter for farmers at commercial establishments. ³ Adjustments made for changes in inventory and for inshipments. ⁴ Includes allowance for higher average price of State inshipments and outshipments of feeder pigs. ⁵ Receipts from marketings and sale of farm-slaughter. Includes allowance for higher average price of State outshipments of feeder pigs. ⁶ Cash receipts from sales of hogs, pork, and lard plus value of hogs slaughtered for home consumption.

National Agricultural Statistics Service.

Table 412.—Hogs: Number slaughtered commercially, total and average live weight, by States, 1990 ¹

State	Number slaughtered	Total live weight	Average live weight	State	Number slaughtered	Total live weight	Average live weight
AL	132.0	47,801	362	NV	2.1	516	249
AZ	13.6	3,273	240	N ENG ²	47.5	11,434	241
AR	234.6	73,299	312	NJ	84.5	8,347	99
CA	1,858.6	411,416	221	NM	5.6	1,198	213
CO	34.0	7,798	229	NY	57.3	13,336	231
DE and MD	218.3	47,839	219	NC	2,743.7	654,439	238
FL	79.2	11,903	150	ND	37.4	21,029	216
GA	(³)	(³)	(³)	OH	2,575.4	642,099	249
HI	42.6	8,736	205	OK	141.8	41,954	296
ID	87.8	20,414	232	OR	133.0	29,517	222
IL	8,834.3	2,249,890	255	PA	(³)	(³)	(³)
IN	3,623.6	876,010	242	SC	646.4	151,345	234
IA	25,785.0	6,570,787	255	SD	4,416.2	1,154,061	261
KS	810.6	213,394	263	TN	809.0	271,702	336
KY	(³)	(³)	(³)	TX	333.9	111,661	334
LA	62.4	12,614	202	UT	269.9	66,387	246
MI	3,835.9	925,225	241	VA	4,550.6	1,085,323	239
MN	5,877.5	1,382,077	235	WA	19.4	4,660	241
MS	1,884.9	452,420	240	WV	19.5	7,351	377
MO	2,797.9	684,557	245	WI	357.9	123,025	344
MT	25.1	5,754	229	WY	5.7	1,466	259
NE	5,401.1	1,299,312	241	US	85,135.5	21,230,117	249

¹ 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. ² Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ³ Data not shown to avoid disclosing individual operations, but are included in U.S. totals.

National Agricultural Statistics Service.

Table 413.—Hogs: Number slaughtered, average dressed and live weights, Federally inspected and commercial, 1976-90 ¹

Year	Federally inspected							Commercial				
	Barrows and gilts		Sows		Stags and boars		Total		All hogs and pigs			
	Head	Avg. dressed weight	Head	Avg. dressed weight	Head	Avg. dressed weight	Head	Avg. dressed weight ²	Avg. live weight	Head	Avg. dressed weight ²	Avg. live weight
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	69,589	164	3,870	290	730	299	74,139	171	240	77,315	171	240
1979	79,744	164	4,793	295	838	294	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
1988	80,766	173	3,961	304	790	213	85,517	179	249	87,795	178	249
1989	81,427	172	4,115	295	786	237	86,328	179	248	88,692	179	248
1990	78,394	175	3,704	298	803	225	82,901	181	249	85,136	180	249

¹ All weights calculated using unrounded totals. Totals may not add due to rounding. ² 1976 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, 1976-90

Year	Hog-corn price ratio ¹		Price of corn per bushel ²		Year	Hog-corn price ratio ¹		Price of corn per bushel ²	
	United States	North Central States	United States	North Central States		United States	North Central States	United States	North Central States
			<i>Dollars</i>	<i>Dollars</i>				<i>Dollars</i>	<i>Dollars</i>
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	2.23	2.47
1978.....	22.4	22.7	2.10	2.08	1986.....	26.1	(³)	1.50	(³)
1979.....	18.3	18.5	2.36	2.33	1987.....	33.6	(³)	1.94	(³)
1980.....	14.4	14.6	2.70	2.68	1988.....	19.9	(³)	2.54	(³)
1981.....	14.9	15.0	2.92	2.90	1989.....	17.3	(³)	2.36	(³)
1982.....	23.0	22.5	2.37	2.36	1990.....	22.5	(³)	2.30	(³)
1983.....	15.8	16.7	2.99	2.97					

¹ 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. ² Average of entire month prices. ³ 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, 1976-90

Year	Omaha					Seven markets ¹				
	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.	
	<i>Pounds</i>	<i>Dollars</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Percent</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Percent</i>
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	12
1981.....	243	43.87	458	40.40	17	238	44.05	454	40.27	11
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
1988.....	252	42.98	486	33.65	25	249	43.25	477	33.38	16
1989.....	251	43.75	484	37.01	26	249	43.77	477	36.53	18
1990.....	237	53.71	524	52.71	23	247	54.55	488	49.12	18

¹ 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, 1976-90

Year	Loins, fresh, 8- to 14-lb. average	Butts, Boston style, 4- to 8-lb. average	Hams, skinned, 14- to 17-lb. average ¹	Bacon, slab, 8- to 12-lb. average	Year	Loins, fresh, 8- to 14-lb. average	Butts, Boston style, 4- to 8-lb. average	Hams, skinned, 14- to 17-lb. average ¹	Bacon, slab, 8- to 12-lb. average
	Dollars	Dollars	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars
1976.....	97.68	81.13	91.06	.....	1983.....	115.91	96.07	95.54	.....
1977.....	95.25	75.98	89.08	.....	1984.....	115.81	96.85	99.57	.....
1978.....	109.15	71.77	99.63	.....	1985.....	113.59	90.02	92.90	.....
1979.....	107.65	94.13	94.38	.....	1986.....	104.78	80.11	91.61	.....
1980.....	101.14	87.46	88.99	.....	1987.....	126.51	102.72	105.15	.....
1981.....	113.70	97.56	95.55	.....	1988.....	118.79	92.33	96.52	.....
1982.....	111.51	91.12	91.47	.....	1989 ².....	.....	.....	.....	.....
					1990.....	³ 117.52	85.91	89.86	.....

¹ Delete word "smoked" after 1974. ² Discontinued after 1988. ³ 14-18 lbs.

Agricultural Marketing Service.

Table 417.—Lard, including rendered pork fat: Stocks Jan. 1, production, trade, and disappearance, United States, 1976-90

Year	Supply					Disposition				
	Production				Stocks Jan. 1 ¹	Total ²	Ex-ports ³	Domestic disappearance		
	Federal-ly inspected	Other commercial	Farm	Total				Total	Total	Direct use
					Total	Total	Per civilian			
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Pounds
1976.....	1,010	34	17	1,060	28	1,088	181	873	585	2.7
1977.....	994	27	16	1,038	34	1,072	182	861	510	2.3
1978.....	968	23	15	1,006	29	1,035	120	881	486	2.2
1979.....	1,109	32	14	1,129	38	1,167	96	1,021	569	2.5
1980.....	1,173	30	14	1,207	50	1,257	92	1,116	588	2.6
1981.....	1,131	24	12	1,159	49	1,207	149	1,031	573	2.5
1982.....	892	18	9	1,011	37	1,048	103	1,008	586	2.5
1983.....	952	20	7	973	37	1,010	89	888	487	2.1
1984.....	911	17	6	939	34	973	89	846	491	2.1
1985.....	906	17	6	927	39	966	105	826	425	1.8
1986.....	855	14	5	876	35	911	104	785	417	1.7
1987.....	844	13	5	863	22	885	107	745	440	1.8
1988.....	.....	.....	.....	832	33	965	127	801	429	1.7
1989 ⁴.....	.....	.....	.....	935	37	972	110	830	442	1.8

¹ Factory and warehouse stocks as reported by the Bureau of the Census. ² Includes imports, which were less than 500,000 pounds. ³ Discontinued after 1989. ⁴ ERS estimate.

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, 1987-90

Continent and country	1987	1988	1989	1990 ¹	Continent and country	1987	1988	1989	1990 ¹
	<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.....	897	1,704	981	1,386	Belgium and Luxembourg.....	617	0	0	0
Canada.....	2,536	4,478	5,940	6,983	United Kingdom.....	0	4	10	7
Haiti.....	612	723	1,697	1,238	Other countries.....	272	6	0	2
Mexico.....	43,017	49,405	36,334	28,032	Total.....	889	10	10	9
Netherlands Antilles.....	50	97	132	0	Africa.....	6	2	4	7
Panama.....	58	20	4	17	Asia.....	4	1,009	4,381	1,705
Other countries.....	82	10	451	125	Oceania.....	0	0	0	3
Total.....	47,252	56,437	45,539	37,781	Grand total ².....	48,239	57,622	50,074	39,644
South America:									
Venezuela.....	38	33	55	54					
Colombia.....	35	51	37	26					
Other countries.....	14	80	45	58					
Total.....	87	164	137	138					

¹ Final. ² 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, 1976-91

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>	<i>Dollars</i>	<i>1,000 dollars</i>
1976.....	13,311	37.30	496,281	1984.....	11,559	52.10	602,847
1977.....	12,722	42.50	540,158	1985.....	10,716	61.10	654,079
1978.....	12,421	51.60	641,476	1986.....	10,145	67.40	684,038
1979.....	12,365	72.10	890,970	1987.....	10,572	75.70	799,254
1980.....	12,699	78.20	993,093	1988.....	10,945	90.00	984,961
1981.....	12,947	69.90	904,303	1989.....	10,858	82.40	894,912
1982.....	12,997	57.10	742,139	1990 ¹	11,363	79.30	901,545
1983.....	12,140	51.80	628,599	1991.....	11,200	65.60	734,868

¹ Preliminary.

National Agricultural Statistics Service.

Table 420.—Sheep and lambs: Number, by classes, United States, Jan. 1, 1976-91

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>
1976.....	13,311	1,884	11,427	1,345	350	9,314	418
1977.....	12,722	1,731	10,991	1,401	379	8,850	361
1978.....	12,421	1,623	10,798	1,508	328	8,588	374
1979.....	12,365	1,579	10,786	1,684	366	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	8,343	374
1984.....	11,559	1,718	9,841	1,243	319	7,936	343
1985.....	10,716	1,596	9,130	1,079	297	7,431	323
1986.....	10,145	1,487	8,658	1,061	321	6,958	318
1987.....	10,572	1,513	9,059	1,311	378	7,037	333
1988.....	10,945	1,581	9,364	1,323	352	7,348	342
1989.....	10,858	1,646	9,212	1,344	346	7,187	334
1990.....	11,363	1,762	9,601	1,324	312	7,609	356
1991 ¹	11,200	1,730	9,471	1,342	351	7,429	349

¹ Preliminary.

National Agricultural Statistics Service.

Table 421.—Stock sheep: Number, by classes, by States, Jan. 1, 1990 and 1991

State	Lambs				One year and over			
	Ewes		Wethers and rams		Ewes		Wethers and rams	
	1990	1991 ¹	1990	1991 ¹	1990	1991 ¹	1990	1991 ¹
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head
AL.....		1.5		1.5		7.8		0.7
AK.....	0.2	.3	0.1	.2	1.5	1.4	.7	.6
AZ.....	27.0	22.0	15.0	13.0	170.0	163.0	8.0	7.0
CA.....	97.0	91.0	32.0	41.0	620.0	576.0	26.0	27.0
CO.....	55.0	71.0	12.0	13.0	375.0	363.0	13.0	13.0
CT.....	1.6	1.7	.7	.7	7.0	7.0	.6	.5
ID.....	44.0	43.0	5.0	7.0	215.0	199.0	6.0	6.0
IL.....	22.0	17.0	4.0	3.0	106.0	89.0	6.0	6.0
IN.....	9.0	10.0	2.0	2.0	67.0	74.0	4.0	4.0
IA.....	46.0	43.0	10.0	10.0	332.0	315.0	12.0	12.0
KS.....	16.0	15.0	5.0	4.0	155.0	126.0	9.0	5.0
KY.....	3.8	3.8	4.2	4.5	28.0	25.0	2.0	1.7
LA.....	2.3	1.5	1.0	.5	12.2	12.5	1.5	1.5
ME.....	2.9	2.7	1.8	1.8	14.0	12.0	1.3	1.2
MD.....	5.1	4.5	1.9	2.5	21.2	21.0	3.8	2.0
MA.....	2.6	2.6	1.1	1.0	12.0	12.0	1.1	1.0
MI.....	11.0	12.0	2.0	2.0	75.0	68.0	4.0	3.0
MN.....	31.0	36.0	6.0	7.0	165.0	170.0	8.0	7.0
MO.....	12.0	12.0	3.0	3.0	100.0	95.0	5.0	7.0
MT.....	124.0	117.0	9.0	12.0	490.0	504.0	17.0	17.0
NE.....	15.0	14.0	4.0	3.0	111.0	98.0	5.0	5.0
NV.....	13.0	13.0	1.0	1.0	80.0	79.0	3.0	3.0
NH.....	2.0	2.1	.9	.9	8.8	7.1	.9	.7
NJ.....	2.0	1.3	1.5	.8	9.5	7.6	1.0	1.7
NM.....	66.0	60.0	13.0	16.0	373.0	338.0	21.0	21.0
NY.....	18.0	18.0	11.0	10.0	60.0	61.0	3.0	3.0
NC.....	2.5	3.5	1.0	1.0	10.5	11.5	1.0	1.0
ND.....	23.0	22.0	4.0	2.0	120.0	138.0	5.0	5.0
OH.....	27.0	32.0	4.0	4.0	166.0	184.0	8.0	10.0
OK.....	12.0	15.0	6.0	9.0	82.0	86.0	5.0	5.0
OR.....	40.0	43.0	12.0	17.0	279.0	285.0	14.0	15.0
PA.....	20.0	19.0	9.0	13.0	95.0	100.0	10.0	8.0
SD.....	74.0	94.0	6.0	6.0	441.0	438.0	14.0	17.0
TN.....	1.4	1.7	.6	.8	9.2	10.0	.8	1.5
TX.....	250.0	240.0	70.0	90.0	1,490.0	1,420.0	80.0	70.0
UT.....	58.0	58.0	7.0	7.0	407.0	403.0	13.0	12.0
VT.....	5.4	5.2	3.6	3.6	19.0	18.0	1.5	1.5
VA.....	13.0	12.0	4.0	4.0	100.0	98.0	5.0	5.0
WA.....	15.5	15.0	5.5	4.0	58.0	59.0	4.0	3.0
WV.....	7.0	9.0	8.0	5.0	62.0	67.0	3.0	4.0
WY.....	13.0	10.0	2.0	4.0	71.0	67.0	4.0	4.0
8 other States ²	125.0	130.0	15.0	15.0	545.0	555.0	20.0	20.0
US.....	9.0	16.1	7.0	4.5	46.0	58.0	5.0	9.3
US.....	1,324.3	1,341.5	311.9	351.3	7,608.9	7,428.9	356.2	348.9

¹ Preliminary. ² Includes AR, DE, FL, GA, HI, MS, RI, and SC.

National Agricultural Statistics Service.

Table 422.—Sheep and lambs: Number of stock sheep and sheep on feed, by States, Jan. 1, 1989-91

State	Stock sheep			Sheep on feed ²		
	1989	1990	1991 ¹	1989	1990	1991 ¹
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....			11.5			
AK.....	2.7	2.5	2.5			
AZ.....	239	220	205	45	42	45
CA.....	780	775	735	160	225	280
CO.....	445	455	460	380	385	250
CT.....	8.8	9.9	9.9			
ID.....	277	270	255	10	16	17
IL.....	126	138	115	14	21	30
IN.....	86	82	90	9	8	10
IA.....	350	400	330	70	90	85
KS.....	159	185	150	98	102	63
KY.....	32	38	35			
LA.....	17	17	16			
ME.....	15	20	17.7			
MD.....	35	32	30			
MA.....	14	16.8	16.6			
MI.....	89	92	85	26	29	30
MN.....	225	210	220	65	75	80
MO.....	109	120	117	16	18	17
MT.....	570	640	650	30	23	33
NE.....	119	135	120	50	42	45
NV.....	85	97	96	2	4	2.5
NH.....	11	12.6	10.8			
NJ.....	15	14	11.4			
NM.....	485	473	435	31	22	27
NY.....	89	92	92			
NC.....	13	15	17			
ND.....	143	152	167	21	34	55
OH.....	200	205	230	46	65	75
OK.....	120	105	115	16	14	20
OR.....	350	345	360	125	110	106
PA.....	134	134	140			
SD.....	520	535	555	70	55	85
TN.....	10	12	14			
TX.....	1,700	1,890	1,820	170	200	180
UT.....	480	485	480	23	24	28
VT.....	25	29.5	28.3			
VA.....	115	122	119	43	43	38
WA.....	74	88	81			
WV.....	82	80	85			
WI.....	85	90	85	9	15	18
WY.....	720	705	720	117	100	110
9 other States ³	57.0	67.0	87.9			
US.....	9,211.5	9,601.3	9,470.6	1,646.0	1,762.0	1,729.5

¹ Preliminary. ² 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.

³ Includes AR, DE, FL, GA, HI, MS, RI, and SC.

National Agricultural Statistics Service.

Table 423.—Sheep: Number in specified countries, 1989-91¹

Country	1989	1990	1991 ²	Country	1989	1990	1991 ²
	<i>Thousand head</i>	<i>Thousand head</i>	<i>Thousand head</i>		<i>Thousand head</i>	<i>Thousand head</i>	<i>Thousand head</i>
Argentina.....	29,345	28,571	26,726	Netherlands.....	1,405	1,702	1,800
Australia.....	171,292	177,841	174,174	New Zealand.....	64,600	60,569	58,175
Belgium-Luxembourg.....	156	161	163	Poland.....	4,300	4,196	3,900
Bulgaria.....	8,609	7,797	7,118	Portugal.....	3,187	3,024	3,051
China.....	201,530	211,642	210,000	Romania.....	16,210	15,442	15,038
Czechoslovakia.....	1,087	1,087	1,087	Saudi Arabia.....	7,084	6,457	6,092
Denmark.....	86	100	120	South Africa.....	30,935	32,665	33,900
Egypt.....	3,451	3,534	3,619	Spain.....	23,797	25,447	27,000
France.....	11,500	11,500	11,550	Turkey.....	34,850	31,500	29,300
Germany, East ³	2,634	2,603	1,448	Soviet Union.....	140,684	140,500	138,500
Germany, West ³	1,464	1,533	1,531	United Kingdom.....	29,045	29,521	30,377
Greece.....	10,694	10,400	10,185	United States.....	10,858	11,363	11,200
Hungary.....	2,216	2,069	2,130	Yugoslavia.....	7,564	7,596	7,499
India.....	53,486	54,588	55,739	Total.....	888,683	900,937	889,242
Ireland.....	4,991	5,834	6,175				
Italy.....	11,623	11,695	11,645				

¹ Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible. ² Preliminary. ³ East and West Germany are now one country, and after 1991 production data will be combined.

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.—Sheep and lambs: Average price per 100 pounds at San Angelo, 1976-90¹

Year	Sheep			Slaughter lambs			
	Good	Utility	Cull	Shorn		Spring	
				Prime	Choice	Prime	Choice
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	71.90
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
1988.....	38.88	31.30	22.98	70.84	70.52	66.71	66.71
1989.....	38.58	30.78	21.93	66.06	66.06	71.48	71.48
1990.....	35.21	28.60	20.03	53.42	53.42	53.83	59.31

¹ Simple average of monthly bulk-of-sales prices from data of the livestock reporting service. Agriculture Marketing Service.

Table 425.—Lamb crop: Number of lambs as percentage of ewes one year old and older, by States, 1988-90 ¹

State	1988		1989		1990 ²	
	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
	Thousands	Percent	Thousands	Percent	Thousands	Percent
AL.....					7.4	
AK.....	0.7	58	0.7	50	8	53
AZ.....	125.0	69	130	70	115	66
CA.....	590.0	86	550	87	535	86
CO.....	360.0	113	400	113	425	113
CT.....	3.4	145	8.6	148	8.2	117
ID.....	280.0	113	270	123	255	119
IL.....	115.0	122	160	163	115	109
IN.....	75.0	132	90	132	90	134
IA.....	370.0	127	385	131	430	130
KS.....	140.0	99	145	112	134	87
KY.....	27.0	100	31	122	31	111
LA.....	12.0	100	11	94	10.5	86
ME.....	14.0	117	16	145	15	107
MD.....	22.0	100	23	100	23	109
MA.....	13.0	118	13	134	15	125
MI.....	90.0	134	95	132	85	113
MN.....	200.0	140	225	132	220	133
MO.....	100.0	132	110	126	110	110
MT.....	460.0	107	500	115	535	109
NE.....	110.0	105	125	129	120	108
NV.....	74.0	95	84	120	80	100
NH.....	10.0	125	12	158	10	114
NJ.....	11.0	122	10	111	12	126
NM.....	300.0	82	290	76	260	70
NY.....	61.0	127	67	118	64	107
NC.....	10.0	100	11	116	12	114
ND.....	141.0	124	156	141	171	143
OH.....	195.0	115	200	121	205	124
OK.....	80.0	103	90	96	85	104
OR.....	320.0	100	310	111	320	115
PA.....	85.0	112	98	108	100	105
SD.....	500.0	110	515	120	540	122
TN.....	7.0	79	9.7	120	10	109
TX.....	950.0	69	1,150	92	1,150	77
UT.....	380.0	97	430	106	430	106
VT.....	15.0	107	25	147	24	126
VA.....	118.0	128	130	137	124	124
WA.....	65.0	120	75	147	70	121
WV.....	72.0	107	75	121	75	121
WI.....	85.0	135	100	152	94	132
WY.....	570.0	97	550	99	550	101
8 other States ³	45.0	113	49.0	120	38.1	83
US.....	7,206.1	98	7,725.0	107	7,704.0	101

¹ Lamb crop defined as lambs born in the native States and lambs docked or branded in the Western States.² Preliminary. ³ Includes AR, DE, FL, GA, HI, MS, RI, and SC.

National Agricultural Statistics Service.

Table 426.—Sheep and lambs: Production, disposition, cash receipts, and gross income, United States, 1976–90

Year	Lamb crop ¹	Marketings ²		Inshipments	Farm slaughter	Quantity produced (live weight) ³
		Sheep	Lambs			
	<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 pounds</i>
1976.....	8,888	1,495	8,120	2,469	202	733,026
1977.....	8,573	1,450	7,961	2,148	198	706,395
1978.....	7,927	1,489	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.....	8,214	1,779	7,053	1,816	171	769,014
1984.....	7,837	1,690	6,964	1,839	141	699,776
1985.....	7,501	1,653	6,593	1,696	136	704,059
1986.....	7,396	1,280	6,067	1,775	127	725,908
1987.....	7,242	1,195	6,194	1,772	111	733,111
1988.....	7,206	1,566	5,939	1,518	99	707,148
1989.....	7,725	1,058	6,492	1,674	98	775,620
1990 ⁴	7,704	1,624	6,290	1,471	96	757,236

Year	Value of production	Cash receipts for sales of sheep, lambs, and mutton and lamb ⁵	Value of sheep and lambs slaughtered for home consumption	Gross income ⁶	Average price per 100 pounds received by farmers	
					Sheep	Lambs
	<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>
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.....	355,969	422,828	11,041	433,869	15.70	53.90
1984.....	377,895	459,687	13,256	472,943	15.40	60.10
1985.....	434,228	514,471	12,285	526,756	23.90	67.70
1986.....	444,684	481,275	12,602	493,877	25.60	69.00
1987.....	502,642	558,067	14,454	572,521	29.50	77.60
1988.....	420,164	477,950	9,694	487,644	25.60	69.10
1989.....	445,777	489,196	10,019	499,215	24.40	66.10
1990 ⁴	361,097	412,496	8,585	421,081	23.20	55.50

¹ 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. ² Includes animals custom slaughtered for use on farms where produced, but excludes interfarm sales within the State. ³ Adjustments made for changes in inventory and for inshipments. ⁴ Preliminary. ⁵ Receipts from marketings and sale of farm-slaughtered meat. ⁶ 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.

Table 427.—Sheep and lambs: Production, disposition, cash receipts, and gross income, by States, 1990 (preliminary)

State	Marketings ¹		Shipped in	Slaughter on farms ²	Quantity produced (live weight) ³	Value of production	Cash receipts from sales of sheep, lambs, and mutton and lamb ⁴	Value of sheep and lambs slaughtered for home consumption	Gross income ⁵
	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.....	0.2			0.4	66	32	25	7	32
AZ.....	71	124	100	13	12,450	6,209	9,745	541	10,286
CA.....	144	566	260	8	67,224	34,833	44,583	840	45,423
CO.....	91	647	260	2	58,219	29,515	45,176	244	45,420
CT.....	1.9	4.8		2	689	587	507	27	534
ID.....	55	197	14	2	25,292	11,120	11,631	215	11,846
IL.....	38	122	54	2	11,375	5,232	7,843	372	7,715
IN.....	8.5	65	10	1.5	7,483	3,411	3,101	197	3,298
IA.....	40	395	70	1	41,272	21,295	24,756	52	24,808
KS.....	61	192	70	1	16,943	9,048	13,780	214	13,994
KY.....	13.3	18.4	5	3	2,638	1,079	1,206	47	1,253
LA.....	2	5.2		5	568	238	262	18	280
ME.....	6.1	9		4	1,276	949	950	119	1,069
MD.....	9	14	4	2	1,850	886	902	266	1,168
MA.....	3.3	9.9		3	1,253	1,034	954	96	1,050
MI.....	18	59		1	8,345	4,094	4,030	151	4,181
MN.....	24	193	48	1	23,867	11,620	12,388	215	12,603
MO.....	14.5	83.4	5	5	9,283	4,252	4,467	63	4,530
MT.....	118	356	40	1	48,007	18,507	18,656	116	18,772
NE.....	41	148	90	1	12,320	5,858	9,135	98	9,233
NV.....	7	61	12.5	3	6,985	2,561	2,815	114	2,929
NH.....	4.1	5.3		5	729	560	578	60	638
NJ.....	8.3	11.6	8	1.1	984	542	982	87	1,069
NM.....	97	138	37	25	17,495	7,781	8,545	1,454	9,999
NY.....	23	32	6	2	5,240	2,118	2,137	200	2,337
NC.....	1.5	4.8		2	808	316	224	15	239
ND.....	5	118	19	1	14,319	6,428	5,537	113	5,650
OH.....	5.5	128	3	1.5	17,380	8,419	7,081	94	7,175
OK.....	11	51.5	9.5	1	7,205	3,187	2,759	84	2,843
OR.....	25	223		3	30,655	14,403	13,618	391	14,009
PA.....	21	54		2	9,305	4,275	3,423	615	4,038
SD.....	48	405	50	2	54,756	27,468	26,766	139	26,905
TN.....	2.5	6.1	3.1	3	780	380	370	13	383
TX.....	343	826	143	2	115,291	59,563	69,072	271	69,343
UT.....	50	328	11	5	35,800	15,575	15,550	393	15,943
VT.....	9.4	13.2		5	2,255	1,544	1,554	54	1,608
VA.....	9	93	1	1	10,296	5,092	5,345	119	5,464
WA.....	18	51	9	2	6,863	2,906	3,316	184	3,500
WV.....	5	52	1	1	6,620	2,862	2,697	102	2,799
WI.....	15	64	2		8,820	4,207	4,241		4,241
WY.....	155	415	122	3	50,607	20,089	22,233	185	22,418
Other ⁶.....	.6	.7	4.1		3,627	1,070	56		56
US.....	1,624	6,290	1,471	96	757,236	361,097	412,496	8,585	421,081

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Excludes custom slaughter for farmers at commercial establishments. ³ Adjustments made for changes in inventory and for inshipments. ⁴ Receipts from marketings and sale of farm-slaughter. ⁵ Cash receipts from sales of sheep, lambs, and mutton and lamb plus value of sheep and lambs slaughtered for home consumption. ⁶ Includes AL, AR, DE, FL, GA, HI, MS, RI, and SC.

National Agricultural Statistics Service.

Table 428.—Sheep and lambs: Receipts at selected public stockyards, 1976-90 ¹

Year	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting ^{2 3}
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
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	20	146	24	1,034	1,314
1981	1	20	44	17	17	146	25	1,033	1,303
1982	(*)	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
1988		4	13	15	3	75	19	898	1,017
1989		4	13	15	5	85	19	858	998
1990		4	13	16	5	89	17	961	1,105

¹ Total rail and truck receipts unloaded at public stockyards. Saleable receipts only, 1978. ² Rounded totals of complete figures. ³ The number of stockyards reporting varies from 41 to 68. ⁴ 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, 1990 ¹

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	(³)	(³)	(³)	N ENG ²	32.6	3,186	98
AZ	1.5	168	114	NJ	70.6	6,986	99
AR	.7	77	106	NM	187.6	20,291	108
CA	(³)	(³)	(³)	NY	105.1	10,277	98
CO	1,558.2	219,328	141	NC	1.1	102	94
DE and MD	22.8	2,313	101	ND	1.2	146	126
FL	1.3	98	77	OH	30.2	3,143	104
GA	1.5	135	89	OK	2.4	286	120
HI	1.0	99	96	OR	8.3	884	107
ID	5.1	535	106	PA	119.7	12,337	103
IL	265.4	31,748	120	SC	(³)	(³)	(³)
IN	27.4	2,986	109	SD	146.9	18,317	125
IA	595.9	75,711	127	TN	.9	74	87
KS	441.1	55,403	126	TX	626.1	76,539	122
KY	13.6	1,597	117	UT	44.7	5,236	117
LA	6.6	650	99	VA	14.1	1,240	88
MI	291.1	33,538	115	WA	190.1	22,536	119
MN	59.9	7,013	117	WV	.9	96	108
MO	24.4	2,506	103	WI	10.6	1,218	115
MT	3.6	447	123	WY	2.4	294	124
NE	1.4	170	120	US	5,653.7	708,205	125
NV	2.7	337	123				

¹ Includes slaughter in federally inspected and other slaughter plants. ² Includes. ³ Includes Connecticut, Ms Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. ⁴ Data not shown to avoid disclosing individual operations, but are included in U.S. totals.

National Agricultural Statistics Service.

Table 430.—Sheep and lambs: Number slaughtered, United States, 1976–90

Year	Commercial			Farm	Total	Year	Commercial			Farm	Total
	Federal-ly inspected	Other	Total ¹				Federal-ly inspected	Other	Total ¹		
	Thousands	Thousands	Thousands	Thousands	Thousands		Thousands	Thousands	Thousands	Thousands	Thousands
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	1988.....	5,122	171	5,293	99	5,392
1981.....	5,789	219	6,008	189	6,197	1989.....	5,295	170	5,465	94	5,559
1982.....	6,273	175	6,449	195	6,644	1990.....	5,469	185	5,654	96	5,750
1983.....	6,412	207	6,619	171	6,790						

¹ 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, 1976–90 ¹

Year	Federally inspected						Commercial					
	Lambs and yearlings			Mature sheep			Total			All sheep and lambs		
	Head	Pct. of total	Avg. dressed weight	Head	Pct. of total	Avg. dressed weight	Head	Avg. dressed weight	Avg. live weight	Head	Avg. dressed weight	Avg. live weight
		Pounds	1,000		Pounds	1,000	Pounds	Pounds	1,000	Pounds	Pounds	
1976.....	6,068	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	7.8	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
1988.....	4,829	94.3	63	293	5.7	59	5,122	63	124	5,293	63	124
1989.....	4,961	93.7	64	334	6.3	58	5,295	63	125	5,465	63	124
1990.....	5,146	94.1	64	323	5.9	59	5,469	64	126	5,654	63	125

¹ 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, 1989 and 1990

State	Cows ¹		Steers and heifers		Beef cattle ²		Calves	
	1989	1990	1989	1990	1989	1990	1989	1990
	<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.....	48.60	51.00	73.20	79.20	63.20	69.60	85.90	90.10
AK.....	47.00	52.00	70.00	70.00	60.00	62.00	74.00	76.00
AZ.....	46.30	51.30	72.90	76.50	66.30	71.70	86.70	91.90
AR.....	48.40	51.30	79.30	82.60	64.20	66.10	90.10	94.60
CA.....	46.90	50.60	73.70	76.40	62.20	65.00	83.20	89.40
CO.....	49.70	53.10	75.30	80.00	73.20	78.50	93.20	99.80
CT.....	48.00	52.00	60.00	63.00	57.00	61.00	74.00	77.00
DE.....	49.10	53.90	70.10	72.20	62.80	65.80	79.10	107.00
FL.....	49.30	52.40	74.80	78.80	56.00	59.50	94.80	97.80
GA.....	49.00	51.80	72.00	76.40	58.90	61.10	83.40	89.00
HI.....	33.40	34.20	50.90	51.50	48.10	48.40	65.00	55.90
ID.....	45.70	49.10	69.70	73.70	64.00	68.00	87.80	93.10
IL.....	48.10	50.80	72.60	76.60	71.20	75.70	121.00	119.00
IN.....	46.50	51.20	68.20	73.30	60.90	66.90	78.80	83.10
IA.....	48.20	52.60	73.40	78.10	70.60	75.90	90.60	95.60
KS.....	49.50	53.70	75.50	79.10	73.70	78.00	91.30	96.40
KY.....	47.20	49.60	75.80	79.50	66.40	70.90	85.30	89.60
LA.....	47.40	49.50	74.50	79.20	55.90	59.80	90.50	94.10
ME.....	48.00	53.00	60.00	64.00	58.00	62.00	74.00	77.00
MD.....	49.10	53.90	70.10	72.20	62.80	65.80	79.10	107.00
MA.....	45.00	50.00	59.00	63.00	56.00	60.00	74.00	77.00
MI.....	47.60	51.30	66.90	70.80	58.50	63.20	93.70	99.00
MN.....	47.40	50.70	70.60	74.90	65.40	70.30	91.00	100.00
MS.....	49.80	50.60	75.00	79.40	59.80	60.30	88.30	94.30
MO.....	50.20	52.10	79.50	84.60	72.80	78.90	88.60	93.80
MT.....	46.50	51.00	80.30	83.30	68.20	70.60	88.40	95.30
NE.....	47.60	52.00	74.80	80.00	73.40	76.60	92.80	100.00
NV.....	45.00	47.70	70.50	76.30	63.90	69.10	86.70	90.40
NH.....	45.00	51.00	60.00	64.00	57.00	61.00	74.00	76.00
NJ.....	46.80	50.40	62.30	65.20	50.00	53.60	99.10	107.00
NM.....	48.80	52.10	72.80	77.30	61.40	68.00	90.20	96.80
NY.....	45.70	48.70	57.00	66.50	46.40	51.10	98.40	104.00
NC.....	50.10	53.60	65.50	74.20	57.50	63.50	82.10	86.50
ND.....	47.10	50.80	79.90	83.80	71.70	76.00	91.00	96.70
OH.....	47.30	50.20	71.30	75.60	66.90	71.70	87.00	87.90
OK.....	48.30	50.80	78.50	84.30	66.40	73.10	89.70	94.70
OR.....	45.80	49.10	74.30	79.10	62.00	69.50	85.60	88.80
PA.....	47.10	50.80	68.70	73.40	60.50	65.60	98.60	112.00
RI.....	48.00	52.00	60.00	63.00	58.00	61.00	74.00	77.00
SC.....	48.60	52.00	71.80	76.10	54.40	58.00	90.80	93.20
SD.....	49.20	52.00	75.80	81.60	69.20	76.60	96.40	101.00
TN.....	46.20	50.70	73.40	77.40	61.70	65.50	85.00	88.10
TX.....	48.70	53.10	74.40	78.90	70.40	76.80	89.00	94.30
UT.....	45.30	50.90	72.30	76.80	67.00	73.80	89.40	93.90
VT.....	46.00	51.00	60.00	64.00	57.00	61.00	75.00	76.00
VA.....	47.00	49.50	74.40	77.70	66.80	70.30	81.40	84.40
WA.....	45.70	49.30	71.30	77.20	67.90	73.30	82.30	88.60
WV.....	45.00	46.50	71.60	77.50	64.00	72.90	80.50	84.50
WI.....	47.90	51.10	67.10	72.80	55.30	61.50	129.00	140.00
WY.....	51.80	57.30	81.00	86.30	68.40	76.30	94.00	101.00
US.....	48.00	51.50	74.30	78.80	69.50	74.60	90.80	95.60

See footnotes at end of table.

Table 432.—Livestock: Average price per 100 pounds received by farmers, by States, 1989 and 1990—Continued

State	Hogs ³		Lambs		Sheep	
	1989	1990	1989	1990	1989	1990
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	39.70	49.60				
AK.....	62.00	78.00	65.00	65.00	30.00	30.00
AZ.....	44.50	54.60	71.50	62.10	27.90	24.00
AR.....	39.80	48.90				
CA.....	45.70	58.40	69.30	60.10	21.10	18.90
CO.....	44.30	55.80	63.40	54.40	27.30	24.10
CT.....	39.00	49.00	95.00	100.00	36.00	34.00
DE.....	41.80	50.90				
FL.....	38.20	49.30				
GA.....	42.50	53.00				
HI.....	76.90	79.40				
ID.....	38.50	51.30	61.50	48.90	19.50	17.30
IL.....	42.60	53.90	63.00	53.10	20.50	17.40
IN.....	42.00	52.60	55.70	51.30	20.70	20.30
IA.....	43.20	54.70	63.70	53.30	21.30	20.30
KS.....	41.20	50.50	65.50	55.50	27.00	23.00
KY.....	42.40	53.70	61.00	50.00	20.00	17.00
LA.....	34.10	46.00	68.00	56.00	29.00	26.50
ME.....	39.00	49.00	86.00	100.00	36.00	34.00
MD.....	41.80	50.90	67.70	57.30	28.00	22.60
MA.....	39.00	49.00	96.00	105.00	36.00	34.00
MI.....	41.50	52.30	62.00	55.00	21.00	16.00
MN.....	43.60	55.20	66.30	53.70	19.30	19.80
MS.....	42.70	52.20				
MO.....	42.10	53.80	62.90	50.80	24.30	19.70
MT.....	38.30	50.00	65.80	48.30	20.80	17.60
NE.....	43.10	54.80	65.40	54.00	25.50	21.90
NV.....	33.10	44.00	59.50	47.70	22.10	17.00
NH.....	39.00	49.00	90.00	100.00	36.00	34.00
NJ.....	38.80	48.70	68.20	60.70	38.00	34.40
NM.....	42.10	50.70	66.90	50.20	29.50	26.40
NY.....	39.50	49.40	72.00	58.90	24.30	21.50
NC.....	42.20	51.80	58.00	50.00	22.00	21.00
ND.....	39.00	50.40	65.30	51.20	21.40	20.80
OH.....	42.40	52.40	62.60	54.50	23.90	20.20
OK.....	42.20	51.40	65.30	50.90	21.10	21.60
OR.....	43.90	54.70	64.80	51.80	19.30	17.50
PA.....	43.90	54.30	68.10	58.60	23.70	21.20
RI.....	39.00	49.00				
SC.....	41.90	51.90				
SD.....	42.30	54.10	67.30	54.20	28.00	23.30
TN.....	39.90	50.40	64.00	55.90	24.60	23.00
TX.....	39.90	48.20	71.10	58.90	30.00	29.80
UT.....	38.80	48.20	60.50	48.50	19.20	18.70
VT.....	39.00	49.00	83.00	98.00	36.00	34.00
VA.....	40.20	53.50	64.00	53.00	20.00	17.00
WA.....	42.40	50.70	65.00	53.10	21.20	17.00
WV.....	40.50	52.60	61.00	51.00	18.00	16.00
WI.....	41.00	52.80	63.70	54.20	16.00	12.00
WY.....	41.00	53.20	65.90	50.00	18.30	17.80
US.....	42.50	53.70	66.10	55.50	24.40	23.20

¹ Includes cull dairy cows sold for slaughter, but not cows for dairy herd replacement. ² Weighted average of prices for cows, and for steers and heifers. ³ 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, 1976-90

Year	Sheep and lambs shorn ¹	Weight per fleece	Shorn wool production	Price per pound ²	Value of production ³	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>
1976.....	13,536	8.21	111,100	65.7	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	94.5	103,665	3.05	1,150
1982.....	13,199	8.04	106,129	68.4	72,782	(*)	(*)
1983.....	12,866	8.00	102,890	61.3	62,980	.....	.....
1984.....	12,322	7.77	95,670	79.5	75,988	.....	.....
1985.....	11,247	7.88	88,055	63.3	55,732	.....	.....
1986.....	10,827	7.82	84,372	66.8	56,331	.....	.....
1987.....	10,922	7.75	84,450	91.7	77,009	.....	.....
1988.....	11,531	7.76	89,482	138.0	124,993	.....	.....
1989.....	11,314	7.89	89,220	124.0	110,537	.....	.....
1990 ⁵	11,237	7.86	88,277	80.0	69,655	.....	.....

Year	Total wool production ⁶	Raw wool supply (clean)				Total new supply ¹¹
		Domestic production ⁷	Exports ⁸	Imports for consumption		
				48's and Finer ⁹	Not Finer than 46's ¹⁰	
	<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>
1976.....	115,950	62,197	1,130	38,387	19,076	118,580
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.....	102,890	54,326	1,014	49,371	28,688	131,371
1984.....	95,670	50,514	488	63,271	30,905	144,202
1985.....	88,055	46,493	1,415	50,164	29,308	124,550
1986.....	84,372	44,548	788	66,030	30,901	140,751
1987.....	84,450	44,590	1,037	74,054	31,066	148,673
1988.....	89,482	47,246	1,247	72,324	24,417	142,740
1989.....	89,220	47,108	1,188	77,003	29,937	152,860
1990 ⁵	88,277	46,610	2,736	50,328	21,388	115,590

¹ Includes sheep shorn at commercial feeding yards. ² Price computed by weighting State average prices for all wool sold during the year by sales of shorn wool. ³ Production by States multiplied by annual average price. ⁴ Estimates discontinued in 1982. ⁵ Preliminary. ⁶ Beginning 1982, shorn wool only. ⁷ Conversion factors from grease basis to clean basis are as follows: Shorn wool production—52.8 percent (Stat. Bull. 616) from 1974-1988 pulled wool production—72.9 percent. ⁸ Includes carpet wool exports. ⁹ Prior to 1989, known as dutiable imports. ¹⁰ Prior to 1989, known as duty-free imports. In 1990 includes 21,355,117 pounds of imported raw wool not finer than 46's and 32,979 pounds of miscellaneous imported raw wool. ¹¹ 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, 1976-90

Marketing year	Shorn wool price per pound		Payment rate		Marketings covered by payments ³		Amount of payments ⁴		
	Support	Season average received by producers	Average for shorn wool per pound ¹	Unshorn lambs per cwt. ²	Shorn wool	Unshorn lambs	Shorn wool	Unshorn lambs	Total
1976	72	65.7	9.6	25	96	471	5.8	1.2	7.0
1977	99	72.0	37.5	108	96	424	24.3	4.6	28.9
1978	108	74.5	48.0	134	92	386	29.6	5.2	34.8
1979	115	86.3	38.3	115	95	392	26.3	4.5	30.8
1980	123	88.1	39.6	140	96	388	32.0	5.5	37.5
1981	135	94.5	42.9	162	104	444	40.3	6.7	47.0
1982	137	68.4	100.3	274	88	515	59.2	12.5	71.7
1983	153	61.3	149.6	367	114	550	99.2	17.5	116.7
1984	165	79.5	107.5	342	94	536	76.3	15.7	92.0
1985	165	63.3	160.7	407	85	532	82.7	18.6	101.3
1986	178	66.8	166.5	445	81	601	86.2	20.7	106.8
1987	181	91.7	97.4	357	79	620	67.7	16.9	84.4
1988	178	138.0	29.0	160	82.1	540	31.4	7.3	38.7
1989	177	124.0	42.7	212	79.5	576	40.9	9.8	50.7
1990	182	80.0	127.5	408	81.4	606	80.3	19.9	100.2

¹ 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. ² For unshorn lambs sold. ³ Unadjusted for weight of unshorn lambs produced. ⁴ Payments for wool marketed during the year shown are made after Mar. 31 of the following year. This includes deductions for American Sheep Council. Agricultural Stabilization and Conservation Service.

Table 435.—Wool: Average price per pound, clean basis, delivered to United States mills, 1976-90

Year	Territory ¹		Fleece % blood good French combing and staple ²	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
1976 ²	182	143	136	218
1977 ⁴	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
1988	438	224	.....	584
1989	370	205	.....	472
1990	256	138	.....	413

¹ 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. ² 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. ³ Beginning January 1975 reported as Australia Type 62-64's. ⁴ 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.

USDA—Economic Research Service and Agricultural Marketing Service.

Table 436.—Wool: Mill consumption, by grades, on the woolen and worsted systems, scoured basis, United States, 1981-90^{1 2 3}

Item	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Apparel wool:										
Woolen system:	<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	35.2	23.8	30.5	32.9	28.0	34.1	32.4	23.8	24.1	26.2
Coarser than 60's	29.3	24.6	30.2	32.3	27.7	32.2	28.6	20.9	21.8	24.9
Total	64.5	48.4	60.7	65.2	55.7	66.3	61.0	44.7	45.9	51.1
Worsteds system:										
60's and finer	41.2	36.2	42.4	39.7	33.6	41.7	53.8	54.5	56.1	50.6
Coarser than 60's	22.0	21.3	23.6	24.1	16.7	18.8	14.9	17.9	18.5	18.9
Total	63.3	57.5	66.0	63.8	50.3	60.5	68.7	72.4	74.6	69.5
Total apparel:										
60's and finer	76.4	60.0	72.9	72.6	61.6	75.8	86.2	78.3	80.2	76.8
Coarser than 60's	51.4	45.9	53.8	56.4	44.4	51.0	43.5	38.8	40.3	43.8
Total	127.8	105.9	126.7	129.0	106.0	126.8	129.7	117.1	120.5	120.6
Carpet wool	10.9	9.8	13.9	13.1	10.6	10.0	13.1	15.6	14.1	12.1
Grand total mill	188.7	115.7	140.6	142.1	116.6	136.8	142.8	132.7	134.6	132.7

¹ 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. ² Domestic, duty-paid and duty-free foreign. ³ Excludes wool consumed on the cotton system and in the manufacture of felt, hat bodies, and other miscellaneous products.

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, 1980-90^{1 2}

Grade	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
48's and finer:	<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>
Finer than 58's ³	27.2	39.7	32.2	41.6	50.3	40.8	54.0	64.1	65.6	68.3	44.5
48's-58's ⁴	3.3	8.4	7.8	7.8	13.0	9.4	12.1	9.9	6.7	8.7	5.5
Total	30.5	48.1	40.0	49.4	63.3	50.2	66.1	74.0	72.3	77.0	50.3
Not Finer than 46's:											
Wool for special use ⁵	1.8	3.3	.8	.5	.4	.6	.9	1.2	1.5	6.2	1.9
Not finer than 40's ⁶	10.1	8.0	7.4	8.8	7.8	6.2	7.2	9.1	4.5	4.3	6.2
Finer than 40's-44's ⁷	7.9	5.9	5.1	5.8	6.0	6.9	9.2	13.9	13.5	11.5	7.5
46's ⁸	6.2	9.0	8.1	13.6	16.7	15.6	13.6	6.9	4.9	7.9	5.8
Total	26.0	26.2	21.4	28.7	30.9	29.3	30.9	31.1	24.4	29.9	21.4
Miscellaneous ⁹											
Grand total	56.5	74.3	61.4	78.1	94.2	79.5	97.0	105.1	96.7	106.9	71.7

¹ Natural fiber grown by sheep or lambs. ² Beginning 1989 the following Harmonized Tariff Schedule numbers are in the above: 0, 5101.19.606060, 5101.19.6060, 5101.21.4000, 5101.21.4000, 5101.29.4060, 0.5(5101.30.4000). ³ 5101.11.6030, 5101.19.6030, 5101.21.4030, 5101.29.4030, 0.5(5101.30.4000). ⁴ 5101.11.1000, 5101.19.1000, 5101.21.1000, 5101.29.1000. ⁵ 5101.11.2000, 5101.19.2000, 5101.21.1500, 5101.29.1500, 5101.30.1000. ⁶ 5101.11.4000, 5101.19.4000, 5101.21.3000, 5101.29.3000, 5101.30.1500. ⁷ 5101.11.5000, 5101.19.5000, 5101.21.3500, 5101.29.3500, 5101.30.3000. ⁸ 5101.21.6000, 5101.29.6000, 5101.30.6000. They include wool not carded or combed but processed beyond the scoured or carbonized condition, e.g. dyed. This wool is not identified by use or grade. In 1989 this quantity was 48,074 pounds and 1990 was 32,979 pounds.

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, 1981-90 ¹

Country of origin	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990 ²
48's and finer: ³	<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.....	8.7	4.2	1.4	2.1	0.2	0.6	0.3	1.5		
Australia.....	28.9	24.7	35.0	41.8	39.0	52.0	62.4	51.6	66.3	43.0
Canada.....	.7	.2	.1	.3	.1	.7	.5	.4	.4	.2
Chile.....	.8	1.0	.3	.5	.6	.7	.6	.5	.5	.4
New Zealand.....	1.6	1.5	2.3	5.6	3.6	5.4	4.1	4.2	4.7	2.7
South Africa.....	1.9	4.7	8.3	8.8	4.1	4.5				
United Kingdom.....	.2	.1		.2	.3					.3
Uruguay.....	4.0	3.1	1.7	3.5	1.9	2.2	4.1	2.2	1.6	1.7
Other.....	1.3	.5	.3	.5	.5	.1	1.5	1.4	2.5	2.0
Total.....	48.1	40.0	49.4	63.3	50.2	66.1	74.0	72.3	77.0	50.3
Not finer than 46's: ⁴										
Argentina.....	2.3	1.5	2.0	1.8	1.3	1.7	1.5	1.2	1.1	.8
Australia.....	.7	.3	.6	.7	.7	.7	.5	.4	.3	.3
Canada.....	.1	.2	.3	.5	.6	.8	.3	.2	.1	.1
New Zealand.....	18.0	15.1	21.7	23.8	21.5	23.4	23.8	19.0	25.0	16.7
Uruguay.....		.1	.1	.1	.1	.1	.1			.1
South Africa.....	.2	.2	.4	.5	.2	.1				
United Kingdom.....	3.5	3.2	3.4	3.5	4.6	3.8	4.5	3.2	3.2	3.1
Other.....	1.3	.8	.2		.3	.3	.4	.4	.2	.3
Total.....	26.1	21.4	28.7	30.9	29.3	30.9	31.1	24.4	29.9	21.4
Grand total.....	74.3	61.4	78.1	94.2	79.5	97.0	105.1	96.7	106.9	71.7

¹ Wool not advanced in any manner or by any process of manufacture beyond washed, scoured, or carbonized condition. ² Preliminary. ³ Formerly "Dutiable". ⁴ Formerly "Duty-free".

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

Table 439.—Goats and mohair: Number of goats clipped, mohair production, average price per pound received by farmers, and value of production, Texas, 1976-90 ¹

Year	Goats clipped ¹	Average clip per goat	Mohair production	Price per pound	Value of production ²
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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	8,900	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
1988 ³	2,321	7.5	17,323	1.89	32,769
1989 ³	2,467	7.0	17,255	1.58	27,198
1988 ⁴	2,000	7.7	15,400	1.94	29,876
1989 ⁴	2,140	7.0	17,255	1.58	27,198
1990 ⁴	1,860	7.5	16,295	.93	15,109

¹ The number clipped is the sum of goats and kids clipped in the spring and kids clipped in the fall.

² Production multiplied by price per pound. ³ Includes Texas plus New Mexico, Oklahoma, Arizona, and Michigan. ⁴ Texas only.

National Agricultural Statistics Service.

Table 440.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, and value of production, by States, 1988-90

State	Sheep and lambs shorn ¹			Weight per fleece ²			Shorn wool production			Price per pound			Value of production ³		
	1988	1989	1990 ⁴	1988	1989	1990 ⁴	1988	1989	1990 ⁴	1988	1989	1990 ⁴	1988	1989	1990 ⁴
	Thousands	Thousands	Thousands	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....			7.0			6.1			43			0.37			16
AK.....	2.0	1.9	1.7	9.0	8.4	8.8	18	16	15	1.25	1.17	1.25	23	19	19
AZ ⁵	267	240	228	6.6	6.8	6.8	1,750	1,630	1,550	1.08	1.10	.63	1,890	1,793	977
CA ⁵	955	990	1,015	7.4	7.7	7.5	7,103	7,624	7,646	1.43	1.37	.82	10,157	10,445	6,270
CO ⁵	960	824	770	6.6	7.7	7.4	6,330	6,344	5,698	1.40	1.34	.71	8,862	8,501	4,046
CT.....	6.0	7.5	7.4	7.5	7.5	7.3	45	56	54	.74	.77	.59	33	43	32
ID ⁵	295	283	271	9.9	10.0	10.2	2,929	2,835	2,775	1.18	1.16	.65	3,456	3,289	1,804
IL ⁵	153	155	134	6.8	6.9	6.9	1,038	1,070	925	.68	.67	.35	706	717	324
IN ⁵	82	82	86	6.8	6.8	6.8	558	554	582	.62	.63	.28	346	349	163
IA ⁵	525	496	500	7.0	6.9	6.6	3,701	3,422	3,323	.74	.73	.35	2,739	2,498	1,163
KS ⁵	251	238	216	6.9	6.7	7.1	1,722	1,604	1,539	1.04	1.06	.65	1,791	1,700	1,000
KY.....	35	36	33	6.7	6.6	6.5	236	238	215	.76	.73	.38	179	174	82
LA.....	17	16	14	6.7	6.7	6.3	114	107	88	.76	.72	.31	87	77	27
ME.....	13	16	15	8.0	7.2	7.6	104	115	114	.83	.86	.76	86	99	87
MD.....	28	29	25	7.0	7.6	6.3	197	220	157	.87	.75	.40	171	165	63
MA.....	12	14	13	7.2	7.2	7.3	86	101	95	.83	.85	.60	71	86	57
MI ⁵	99	108	105	7.6	7.4	7.2	750	796	756	.75	.75	.40	563	597	302
MN ⁵	250	280	250	7.2	7.0	7.1	1,798	1,950	1,765	.77	.78	.40	1,384	1,521	706
MO ⁵	115	126	120	6.8	7.1	7.3	777	889	876	.74	.75	.42	575	667	368
MT ⁵	567	577	630	10.0	10.0	9.9	5,666	5,762	6,226	1.48	1.36	.91	8,386	7,836	5,666
NE ⁵	190	170	180	7.3	7.4	7.2	1,394	1,260	1,293	.89	.86	.47	1,241	1,084	608
NV ⁵	91	82	86	10.0	9.5	9.7	910	779	831	1.43	1.42	.84	1,301	1,106	698
NH.....	10	9.2	9.2	7.6	7.4	7.3	76	68	67	.73	.69	.59	55	61	40
NJ.....	11	11	11	7.0	6.6	6.4	77	73	70	.92	.76	.40	71	55	28
NM ⁵	444	459	453	9.2	9.8	9.8	4,079	4,480	4,422	1.85	1.48	1.07	7,546	6,630	4,732

See footnotes at end of table.

Table 440.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, and value of production, by States, 1988-90—Continued

State	Sheep and lambs shorn ¹			Weight per fleece ²			Shorn wool production			Price per pound			Value of production ³		
	1988	1989	1990 ⁴	1988	1989	1990 ⁴	1988	1989	1990 ⁴	1988	1989	1990 ⁴	1988	1989	1990 ⁴
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</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>	<i>Dol-lars</i>	<i>Dol-lars</i>	<i>Dol-lars</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>	<i>1,000 dol-lars</i>
NY	63	68	73	7.1	7.0	7.2	447	476	525	0.88	0.79	0.47	393	376	247
NC	11	12	13	7.1	7.1	6.8	78	85	88	.84	.70	.36	66	59	32
ND ⁵	169	185	185	9.6	9.1	8.9	1,620	1,690	1,650	1.06	1.08	.59	1,717	1,825	974
OH ⁵	260	268	282	7.1	6.8	6.4	1,845	1,822	1,816	.71	.74	.39	1,310	1,348	708
OK	110	112	108	7.0	6.7	6.7	770	752	725	1.07	1.00	.67	824	752	486
OR ⁵	520	475	465	6.2	6.2	6.3	3,228	2,930	2,919	.94	.95	.57	3,034	2,784	1,664
PA	104	105	107	6.5	7.1	6.9	681	750	739	.86	.75	.39	586	563	288
SD ⁵	620	565	590	8.6	9.0	9.0	5,333	5,082	5,317	1.32	1.31	.80	7,040	6,657	4,254
TN	11	11	11	6.5	6.5	6.6	72	72	73	.85	.80	.37	61	58	27
TX	2,500	2,550	2,470	7.3	7.1	7.0	18,200	18,000	17,400	1.97	1.51	1.13	35,854	27,180	19,662
UT ⁵	467	452	464	9.8	10.2	10.2	4,575	4,598	4,723	1.36	1.30	.72	6,222	5,977	3,401
VT	22	26	25	7.2	7.4	7.4	158	192	185	.82	.80	.71	130	154	131
VA	132	135	125	5.8	6.0	6.1	770	809	767	.91	.81	.40	701	655	307
WA	72	74	77	8.6	8.7	8.7	621	642	668	1.01	1.04	.58	627	668	387
WV	77	70	71	6.0	6.2	6.3	462	434	447	.91	.81	.36	420	352	161
WI	94	94	84	7.5	7.3	7.4	705	687	618	.77	.77	.36	543	529	222
WY ⁵	877	815	850	9.3	9.7	9.6	8,195	7,930	8,135	1.65	1.37	.89	13,522	10,864	7,240
8 States ⁶	44	46	57	6.0	6.0	6.3	264	276	357	.85	.81	.52	224	224	186
US	11,581	11,313.6	11,237.3	7.76	7.89	7.86	89,482	89,220	88,277	1.38	1.24	.80	124,993	110,537	69,655

¹ Includes shearing at commercial feeding yards. ² For Texas and California, the weight per fleece is the amount of wool shorn per sheep and lamb during the year. ³ Production multiplied by annual average price. ⁴ Preliminary. ⁵ Price per pound calculated by weighting monthly prices by monthly sales of wool for footnoted States. The prices for remaining States are annual averages. ⁶ Includes AR, DE, FL, HI, GA, MS, RI, and SC.

National Agricultural Statistics Service.

Table 441.—Mohair: Price-support operations, United States, 1976-90

Marketing year	Price per pound		Average payment rate per pound ¹	Marketings covered by payments	Amount of payments ²
	Support	Season average received by producers			
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Million dollars</i>
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.....	371.3	350.0	21.8	8.3	1.9
1982.....	397.7	255.0	142.7	11.4	16.8
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	12.6
1986.....	493.0	251	242.0	17.9	42.7
1987.....	495.0	263	232.0	16.3	36.4
1988.....	469.0	189	280.0	17.2	48.3
1989.....	458.8	158	300.8	17.0	49.6
1990.....	453.2	90	387.3	16.7	58.6

¹ 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. ² Payments for mohair marketed during the year shown are made after Mar. 31 of the following year. This includes deductions for Mohair Council of America.

Agricultural Stabilization and Conservation Service.

Table 442.—Red meat and lard: Production, by class of slaughter, United States, 1976-90

Year	Commercial			Farm	Total	Commercial			Farm	Total
	Federal-ly inspected	Other	Total ¹			Federal-ly inspected	Other	Total ¹		
	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>
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	1,367	24,010	282	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	92	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
1988.....	22,337	588	22,925	165	23,090	15,250	373	15,623	61	15,684
1989.....	22,456	519	22,975	113	23,088	15,375	382	15,757	54	15,811
1990.....	21,152	482	22,634	109	22,743	14,938	366	15,299	54	15,353
	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>
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
1988.....	362	24	386	9	395	320	9	329	6	335
1989.....	326	18	344	11	355	334	8	342	6	348
1990.....	303	13	316	11	327	348	9	357	5	362
	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>
1976.....	36,337	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.....	37,303	1,328	38,631	273	38,906	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
1988.....	38,770	993	39,763	241	40,004	919	14	933	5	938
1989.....	38,491	927	39,418	184	39,602	464	.....	464	2	466
1990.....	37,736	870	38,606	179	38,785	(²)	(²)	(²)	(²)	(²)

¹ Totals are based on unrounded data. ² 1989 estimates includes January through June only. Lard production estimates were discontinued in July 1989.

National Agricultural Statistics Service.

Table 443.—Meat: Production by types in specified countries, 1989 and 1990 ¹

Country	Beef and veal		Pork ³		Mutton, lamb, and goat meat		Total production	
	1989	1990 ²	1989	1990 ²	1989	1990 ²	1989	1990 ²
	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
Argentina.....	2,600	2,650	0	0	96	100	2,696	2,750
Australia.....	1,565	1,695	302	305	585	666	2,452	2,666
Austria.....	213	212	404	405	0	0	617	617
Belgium-Luxembourg.....	312	326	831	759	7	7	1,150	1,092
Brazil.....	4,287	4,180	950	1,050	0	0	5,237	5,230
Bulgaria.....	136	137	424	422	78	77	638	636
Canada.....	980	922	1,184	1,140	0	0	2,164	2,062
China.....	1,072	1,250	21,228	22,700	962	1,090	23,262	25,040
Colombia.....	741	799	140	118	0	0	881	917
Costa Rica.....	81	82	0	0	0	0	81	82
Czechoslovakia.....	488	498	960	962	10	10	1,458	1,470
Denmark.....	205	200	1,165	1,200	2	2	1,372	1,402
Dominican Republic.....	60	51	14	14	0	0	74	65
Egypt.....	386	408	0	0	78	81	464	489
El Salvador.....	27	28	0	0	0	0	27	28
Finland.....	107	110	173	178	0	0	280	288
France.....	1,670	1,710	1,840	1,870	160	160	3,670	3,740
Germany, East ⁴	367	329	1,118	962	11	13	1,496	1,304
Germany, West ⁴	1,575	1,792	2,684	2,849	31	37	4,230	4,678
Greece.....	32	80	151	150	130	129	363	359
Guatemala.....	61	59	14	14	0	0	75	73
Honduras.....	34	23	0	0	0	0	34	23
Hong Kong.....	0	0	30	23	0	0	30	23
Hungary.....	108	101	1,079	951	4	4	1,191	1,086
India.....	670	670	0	0	550	572	1,220	1,242
Ireland.....	432	486	144	157	63	85	639	728
Israel.....	39	39	0	0	0	0	39	39
Italy.....	1,140	1,180	1,295	1,280	80	88	2,515	2,543
Japan.....	548	545	1,594	1,560	0	0	2,142	2,105
Korea, South.....	124	122	435	440	1	1	610	563
Mexico.....	2,140	1,790	910	792	75	76	3,125	2,658
Netherlands.....	485	540	1,636	1,672	13	14	2,134	2,226
New Zealand.....	550	470	44	43	574	499	1,168	1,012
Panama.....	57	57	0	0	0	0	57	57
Philippines.....	132	138	615	665	0	0	747	803
Poland.....	729	799	1,870	1,814	22	28	2,621	2,641
Portugal.....	120	123	216	218	28	27	364	368
Romania.....	210	212	600	620	72	70	882	902

See footnotes at end of table.

Table 443.—Meat: Production by types in specified countries, 1989 and 1990¹—
Continued

Country	Beef and veal		Pork ³		Mutton, lamb, and goat meat		Total production	
	1989	1990 ²	1989	1990 ²	1989	1990 ²	1989	1990 ²
	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
Saudi Arabia	25	28	0	0	95	96	120	124
Singapore	0	0	75	76	0	0	75	76
South Africa	582	670	0	0	202	212	784	882
Spain	451	450	1,722	1,738	231	240	2,404	2,428
Sweden	139	146	308	298	0	0	447	444
Switzerland	157	160	280	275	0	0	437	435
Taiwan	6	5	917	1,000	0	0	923	1,005
Turkey	290	310	0	0	370	355	660	665
Soviet Union ⁴	8,800	8,700	6,700	6,800	1,000	1,000	16,500	16,500
United Kingdom	980	997	978	980	368	371	2,326	2,348
United States	10,633	10,464	7,173	6,964	157	165	17,963	17,593
Uruguay	376	349	0	0	74	74	450	423
Venezuela	337	345	132	110	0	0	469	455
Yugoslavia	309	302	791	771	69	69	1,169	1,142
Total	47,618	47,739	63,176	64,325	6,198	6,413	116,992	118,477

¹ Carcass weight basis; excludes offals, rabbit, and poultry meat. ² Preliminary. ³ Includes edible pork fat, but excludes lard and inedible greases (except United States). ⁴ East and West Germany are one country, and production data will be combined after 1991. ⁵ Slaughter weight basis (includes fats and offals) used in official Soviet Union 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 444.—Meats, frozen and cured: Cold-storage holdings, United States, first of month, 1989 and 1990

Month	Frozen beef		Frozen pork		Frozen lamb and mutton	
	1989	1990	1989	1990	1989	1990
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January	315,137	259,844	377,605	272,491	7,267	7,844
February	313,355	267,649	393,481	303,918	6,487	8,468
March	298,850	304,294	392,788	294,560	6,619	7,905
April	275,429	293,317	432,441	320,287	6,558	8,390
May	244,105	270,377	428,137	320,252	6,827	8,052
June	241,814	256,513	380,100	292,603	8,003	9,685
July	249,202	265,960	342,589	256,435	7,841	10,107
August	242,415	240,491	277,931	224,746	7,731	9,144
September	231,816	245,029	277,996	225,803	7,057	8,929
October	220,661	267,416	275,842	231,877	7,707	8,458
November	237,644	277,174	279,245	221,471	7,990	8,099
December	251,650	300,376	255,791	233,565	7,625	8,414

National Agricultural Statistics Service.

Table 445.—Meat: United States exports by type of product, 1976-90

Year	Beef and Veal		Lamb and mutton, fresh or frozen	Pork					Sausage, Bologna, and frankfurters	Variety meats, fresh, chilled, or frozen	Other meats	Total ¹
	Fresh, chilled, and frozen	Prepared and preserved		Fresh, chilled, and frozen	Hams and shoulders, cured	Bacon	Other pork, prepared or preserved					
							Not canned	Canned				
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	
1976	n.a.	n.a.	1,408	128,895	3,041	1,028	3,422	1,114	2,523	n.a.	n.a.	n.a.
1977	n.a.	n.a.	1,755	116,282	2,941	1,216	2,919	1,810	3,426	n.a.	n.a.	n.a.
1978	40,390	14,878	1,375	84,120	3,984	1,655	7,524	2,932	3,653	181,164	67,549	409,174
1979	45,908	11,495	562	83,058	3,380	912	8,912	1,123	3,003	164,125	64,631	387,109
1980	48,255	11,248	595	69,966	3,327	820	8,438	1,667	3,296	195,182	69,532	412,326
1981	62,371	12,297	972	86,652	2,363	1,079	9,130	1,662	3,819	206,891	56,102	443,338
1982	71,621	14,046	676	58,541	1,358	774	7,514	1,239	3,404	222,688	48,924	530,835
1983	80,976	12,070	632	62,141	1,794	601	5,581	695	3,139	213,155	35,311	416,095
1984	99,208	12,322	878	46,098	1,474	621	3,837	513	2,603	213,180	34,432	415,166
1985	99,923	9,605	460	34,394	1,175	450	4,066	638	2,908	239,451	37,712	430,782
1986	173,884	10,519	558	20,969	650	474	4,796	349	3,214	241,051	46,130	502,594
1987	200,180	10,789	668	29,145	1,227	617	3,597	376	4,582	222,342	61,206	534,729
1988	214,530	14,083	619	54,598	2,138	1,045	4,924	268	8,439	302,087	74,160	676,891
1989	373,110	8,810	2,076	79,318	6,101	3,788	2,204	1,395	11,968	245,235	75,381	809,386
1990	389,925	7,783	2,490	66,756	5,567	4,518	4,310	1,036	14,208	226,623	82,581	743,589

¹ May not add due to rounding. ² Preliminary. n.a. not available, earlier data series doesn't correspond directly to post-1978 series.

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

Table 446.—Meat: United States imports of meat subject to Public Law 96-177 (Meat Import Act), by country of origin, 1985-90 ¹

Country of origin	1985	1986	1987	1988	1989	1990
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Canada	187,762	169,947	152,634	131,119	(²)	(²)
Mexico				0	126	2,564
Belize	263	189	31	0	0	0
Guatemala	28,229	7,731	19,404	19,997	28,242	39,673
El Salvador	1,664	649	1,950	1,914	1,649	1,035
Honduras	15,116	20,824	18,901	19,232	17,860	22,095
Nicaragua	3,914				0	0
Costa Rica	54,660	68,965	57,933	49,142	37,002	41,901
Panama	118	90		0	0	0
Haiti	46			0	0	0
Dominican Republic	18,860	25,106	20,474	31,164	20,225	25,628
Guam	531	343	568	0	0	0
Sweden	3,444	7,008	3,320	1,985	1,466	2,520
Australia	595,692	668,294	739,206	810,094	577,487	812,870
New Zealand	398,576	364,016	438,726	451,344	456,574	406,510
European Community	9,725	6,172	6,528	5,879	539	0
Total ²	1,818,600	1,339,334	1,459,674	1,521,270	1,141,171	1,352,796

¹ 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. ² May not add due to rounding. ³ Due to the signing of the U.S.-Canada Free Trade Implementation Act of 1988, as of Jan. 1, 1989, Canada's meat exports are no longer subject to the U.S. Meat Impact Act.

Foreign Agricultural Service.

Table 447.—Meat: United States imports, products weight basis, by country of origin, 1990

Country of origin	Beef and Veal			Lamb, mutton, and goat, except canned	Pork				Mixed sausage	Variety meats, fresh, chilled and frozen	Other livestock meats n.s.e.	Total
	Fresh, chilled and frozen	Canned, including sausage	Other prepared or preserved		Fresh, chilled 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>
Argentina.....	0	18,992	31,930	0	0	0	0	0	0	18	2	50,942
Australia.....	361,715	14	26	13,996	908	0	0	0	0	4,746	39	381,444
Brazil.....	0	8,092	2,833	0	0	0	0	0	0	12	0	10,937
Canada.....	75,368	274	664	14	174,302	2,967	12,202	1,171	391	32,738	22,116	322,207
Costa Rica.....	18,859	0	0	0	0	0	0	0	0	1	0	18,860
Denmark.....	102	0	0	1	50,561	44,142	80	1,485	1,411	1,507	0	99,289
Domin. Repub.....	12,815	0	0	0	0	0	0	0	0	0	0	12,815
El Salvador.....	732	0	0	0	0	0	0	0	0	0	0	732
Germany, W.....	0	0	12	0	0	133	0	10	12	102	19	288
Guatemala.....	18,929	0	0	0	0	0	0	0	0	0	0	18,929
Haiti.....	0	0	0	0	0	0	0	0	0	0	0	0
Honduras.....	10,594	0	0	0	0	0	0	0	0	0	0	10,594
Hungary.....	0	0	183	0	19	8,705	68	577	4	9	0	9,565
Ireland.....	0	0	0	0	0	21	79	162	7	19	0	288
Mexico.....	1,156	0	0	0	0	0	7	0	0	23	91	1,272
Netherlands.....	0	0	0	0	0	4,949	0	16	0	477	2	5,444
New Zealand.....	192,471	211	48	4,990	36	0	0	0	0	883	561	199,200
Nicaragua.....	0	0	0	0	0	0	0	0	0	0	0	0
Panama.....	0	0	0	0	0	0	0	0	0	1,251	0	1,251
Poland.....	0	0	0	0	0	19,620	0	0	0	53	0	19,673
Romania.....	0	0	0	0	0	227	0	0	0	0	0	227
Sweden.....	1,352	0	0	0	6,708	0	384	0	0	155	10	8,609
United Kingdom.....	0	0	0	0	0	0	0	0	0	5	14	19
Uruguay.....	0	2,593	2,243	0	0	0	0	0	0	1	14	4,851
Yugoslavia.....	0	0	291	0	18	10,243	0	0	56	16	0	10,624
Other.....	70	2	166	0	982	4,669	39	0	0	5,602	1,767	13,297
Total ¹.....	694,163	30,178	38,396	19,001	233,534	95,676	12,859	3,421	1,874	47,606	24,654	1,201,362

¹ May not add due to rounding. n.s.e. not specified elsewhere.
Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 448.—Meat: United States imports by type of product, 1976-90

Year	Beef and Veal			Lamb, mutton, and goat, except canned	Pork				Mixed sausage	Variety meats, fresh or frozen	Other live-stock meats n.s.e.	Total ¹
	Fresh, chilled, and 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>
1976	587,404	53,902	30,979	15,949	11,192	130,158	585	2,094	1,359	2,427	n.a.	n.a.
1977	564,894	43,124	25,618	9,885	12,215	120,388	534	2,209	1,387	2,591	n.a.	n.a.
1978	675,415	46,779	23,689	17,447	27,891	126,045	1,285	2,082	1,743	2,454	n.a.	n.a.
1979	713,354	45,890	28,721	19,714	46,268	113,518	1,575	2,434	1,849	4,695	n.a.	n.a.
1980	642,268	42,729	17,799	15,482	93,143	98,529	1,990	2,929	2,230	4,562	3,116	924,777
1981	544,610	34,932	23,303	14,384	98,226	94,102	1,496	1,935	2,103	3,560	4,291	822,942
1982	607,184	37,747	17,402	8,649	125,282	96,831	1,547	2,372	2,242	2,823	4,408	906,487
1983	565,997	59,073	16,766	8,752	121,707	125,593	2,300	2,176	1,911	3,935	3,606	911,814
1984	516,960	57,863	19,864	8,693	207,703	142,423	3,372	2,243	2,121	5,707	5,088	972,037
1985	594,476	64,277	18,314	15,565	254,538	160,802	6,312	2,192	2,672	5,622	5,305	1,130,075
1986	637,718	45,779	20,778	16,596	263,488	151,730	8,221	2,640	2,849	6,475	4,621	1,160,895
1987	671,152	56,653	17,450	17,204	302,392	145,464	9,387	2,688	4,222	9,590	4,126	1,240,328
1988	703,415	66,919	10,367	19,239	282,728	139,847	10,214	2,906	2,732	8,905	3,977	1,251,249
1989	638,999	68,710	1,434	20,917	225,304	107,267	8,651	2,656	2,620	11,102	3,509	1,091,169
1990 ²	694,163	67,054	1,520	19,056	232,253	98,479	10,055	3,421	1,874	11,423	1,239	1,140,537

¹ May not add due to rounding. ² Preliminary. n.s.e. not specified elsewhere. n.a. not available. Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 449.—Meat: International trade, selected countries, 1988-90 ¹

Continent and country	1988		1989		1990 ²	
	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	405	170	407	175	424	198
Costa Rica	23	0	21	0	19	0
Dominican Republic	15	0	13	0	13	0
El Salvador	1	0	1	0	1	0
Guatemala	10	0	16	0	18	0
Honduras	10	0	9	0	11	0
Mexico	0	34	4	108	5	100
United States	402	1,630	606	1,421	565	1,503
Total ³	866	1,834	1,077	1,704	1,056	1,801
South America:						
Argentina	327	0	369	0	461	2
Brazil	567	30	304	220	243	252
Colombia	4	0	10	0	11	0
Uruguay	142	0	177	0	192	0
Venezuela	6	8	1	3	2	2
Total ³	1,046	38	861	223	909	256

See footnotes at end of table.

Table 449.—Meat: International trade, selected countries, 1988-90 ¹—Continued

Continent and country	1988		1989		1990 ²	
	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
Europe:						
Belgium-Luxembourg.....	464	76	484	81	492	110
Denmark.....	1,005	37	990	46	995	57
France.....	630	869	586	908	644	967
Germany.....	621	940	748	952	1,275	1,038
Greece.....	0	232	1	239	0	209
Ireland.....	431	29	478	39	469	29
Italy.....	153	906	141	974	108	1,025
Netherlands.....	1,309	132	1,357	119	1,395	143
United Kingdom.....	270	1,081	301	1,033	188	76
Portugal.....	0	57	1	63	0	129
Spain.....	35	93	51	127	69	971
Total EC (includes intra-trade).....	4,918	4,452	5,138	4,581	5,635	4,749
Austria.....	63	3	53	7	59	3
Finland.....	20	4	20	3	24	1
Sweden.....	45	37	53	27	51	29
Switzerland.....	1	18	2	14	2	17
Total other Europe ³.....	129	62	128	51	136	50
Bulgaria.....	18	0	16	0	11	0
Czechoslovakia.....	78	15	93	25	93	15
German Dem. Rep.....	315	9	321	0	0	0
Hungary.....	172	18	184	15	247	4
Poland.....	131	50	140	121	107	39
Romania.....	305	0	320	0	25	250
Yugoslavia.....	61	95	85	97	50	157
Total Eastern Europe ³.....	1,080	187	1,159	258	533	465
Total Europe ³.....	6,127	4,701	6,425	4,890	6,304	515
Soviet Union ⁴.....	13	353	11	355	11	545
Africa:						
Egypt.....	0	154	0	145	0	124
South Africa.....	1	71	1	33	1	34
Total ³.....	1	225	1	178	1	158
Asia:						
China.....	227	0	261	0	395	0
Hong Kong.....	1	313	2	292	1	311
India.....	69	0	70	0	133	0
Israel.....	4	44	8	38	1	31
Japan.....	0	994	0	1,150	0	1,153
Korea, Rep. of.....	33	45	38	111	29	145
Philippines.....	0	9	0	10	0	0
Saudi Arabia.....	5	43	6	48	0	18
Singapore.....	4	40	8	47	8	43
Taiwan.....	178	46	150	44	225	46
Turkey.....	21	12	16	20	8	10
Total ³.....	542	1,546	559	1,760	943	1,757
Oceania:						
Australia.....	1,102	0	1,069	0	1,312	0
New Zealand.....	901	3	908	2	794	2
Total ³.....	2,003	3	1,977	2	2,106	2
Total selected countries ³.....	8,686	6,828	8,973	7,185	11,330	9,783

¹ Carcass weight equivalent of beef and veal, pork, and lamb, mutton and goat meat. Excludes fat, offals, and live animals. ² Preliminary. ³ Totals may not add due to rounding. ⁴ 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 450.—Meats and lard: Production and consumption, United States, 1976-90 ¹

Year	Beef			Veal			Lamb and mutton		
	Production	Consumption		Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds
1976	25,969	27,804	127.5	852	872	4.0	371	401	1.8
1977	25,279	27,315	124.0	833	854	3.9	350	372	1.7
1978	24,241	26,261	118.0	631	655	2.9	310	344	1.6
1979	21,447	23,755	105.6	435	458	2.0	291	335	1.5
1980	21,643	23,560	103.5	400	420	1.8	318	351	1.5
1981	22,389	24,013	104.4	435	451	2.0	338	364	1.6
1982	22,536	24,173	104.1	448	467	2.0	365	387	1.7
1983	23,243	24,862	106.3	453	466	2.0	375	389	1.7
1984	23,598	25,047	106.0	495	509	2.2	379	401	1.7
1985	23,728	25,523	107.1	515	533	2.2	359	388	1.6
1986	24,371	25,987	108.0	524	550	2.3	338	377	1.6
1987	23,566	25,257	104.0	429	450	1.8	315	363	1.5
1988	23,589	25,252	103.0	396	411	1.7	335	387	1.6
1989	23,087	24,330	98.4	355	356	1.4	347	406	1.6
1990	22,743	24,030	96.1	327	325	1.3	363	418	1.7

Year	Pork			All meats			Lard		
	Production	Consumption		Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds
1976	12,688	12,748	58.5	39,880	41,825	191.8	1,060	585	2.7
1977	13,248	13,422	60.9	39,710	41,963	190.5	1,038	510	2.3
1978	13,393	13,536	60.8	38,575	40,796	183.3	1,006	486	2.2
1979	15,451	15,616	69.4	37,624	40,163	178.5	1,129	569	2.5
1980	16,617	16,838	73.9	38,978	41,170	180.8	1,207	588	2.6
1981	15,873	16,203	70.5	39,035	41,033	178.4	1,159	573	2.5
1982	14,229	14,679	63.2	37,578	39,705	171.0	1,011	586	2.5
1983	15,199	15,595	66.6	39,270	41,358	176.5	973	487	2.1
1984	14,812	15,630	66.1	39,284	41,593	176.0	939	491	2.1
1985	14,807	15,865	66.5	39,409	42,315	177.4	927	425	1.8
1986	14,063	15,135	62.9	39,296	42,055	174.8	876	417	1.7
1987	14,374	15,352	63.2	38,684	41,424	170.6	863	440	1.8
1988	15,684	16,549	67.5	40,004	42,599	173.8	932	429	1.7
1989	15,813	16,571	67.0	39,602	41,664	168.4	935	442	1.8
1990	15,354	16,030	64.1	38,787	40,804	163.2	(²)	(²)	(²)

¹ 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. Shipments to the U.S. territories are included in domestic consumption. ² Lard series discontinued after 1989.

Economic Research Service.

Table 451.—Meat: United States exports and imports into the United States, carcass weight equivalent, 1976-90 ¹

Year	Exports				Imports				
	Beef and veal	Lamb and mutton	Pork ²	All meat	Beef	Veal	Lamb and mutton	Pork ²	All meat
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1976	90	4	316	410	2,073	22	36	469	2,601
1977	103	5	294	401	1,939	24	22	440	2,425
1978	163	3	288	454	2,297	25	39	495	2,856
1979	170	2	291	462	2,405	26	44	499	2,975
1980	177	2	252	430	2,064	21	33	550	2,668
1981	221	2	307	531	1,743	18	31	541	2,333
1982	254	2	214	470	1,939	19	21	612	2,591
1983	276	2	220	497	1,931	19	18	699	2,666
1984	336	2	164	501	1,823	24	20	954	2,821
1985	332	1	128	461	2,071	20	36	1,128	3,255
1986	526	2	86	614	2,129	27	41	1,122	3,319
1987	604	1	109	721	2,269	24	44	1,195	3,532
1988	681	1	195	887	2,380	27	51	1,136	3,594
1989	1,023	2	262	1,287	2,179	(³)	63	896	3,138
1990	1,006	3	239	1,248	2,356	(³)	59	898	3,131

¹ Carcass weight equivalent of all meat, including the meat content of minor meats and of mixed products. Includes shipments to U.S. Territories are included in domestic consumption. ² The pork series has been revised to a dressed weight equivalent rather than "Pork, excluding lard." (See Footnote 1, table 452.) ³ Beginning in 1989 the Harmonic codes combines beef and veal.

Economic Research Service. Data on imports and commercial exports are computed from records of the U.S. Department of Commerce, those on exports by the U.S. Department of Agriculture are separately estimated from deliveries and stocks.

Table 452.—Hides, packer: Average price per hundred pounds, Central U.S., 1976-90

Year	Steers					Cows/heifers		
	Heavy native	Light native	Heavy Texas	Butt branded	Colorado branded	Heavy ¹	Light ¹	Brand-ed ²
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
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
1988	87.99	89.56	85.66	81.88	79.20	86.50	96.89	85.60
1989	90.25		83.16	79.83	75.64	83.16	90.00	74.73
1990	87.99	89.56	85.66	81.88	79.20	92.58	96.89	86.50

¹ Heifers. ² Cows.

Agricultural Marketing Service.

Table 453.—Hides and skins: United States imports and exports, 1976-90

Year	Imports				Exports			
	Calf and kip	Cattle ¹	Goat and kid	Sheep and lamb ²	Calf	Kip	Cattle ³	Sheep and lamb ²
	<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>	<i>1,000 pieces</i>	<i>1,000 pieces</i>
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	⁴ 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	767	426	5,575	2,419	634	26,828	3,436
1987.....	256	488	467	4,649	2,200	874	24,255	5,588
1988.....	460	679	296	6,159	2,043	791	26,432	2,476
1989.....	167	1,636	293	6,570	6,854	⁵ n.a.	23,882	3,616
1990 ⁴	106	1,595	419	5,628	7,007	⁵ n.a.	21,972	4,000

¹ Excludes pieces of cattle hides reported in units of pounds. ² Includes cabretta and hair sheepskins. ³ 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. ⁴ Final. ⁵ Under the new harmonized system kip skin exports are included with calf skin exports. n.a. not available.

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

Table 454.—Hides and skins: United States imports by country of origin, 1988-90

Country of origin	1988	1989	1990 ¹	Country of origin	1988	1989	1990 ¹
	<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>
Cattle hides: ²				Sheep and lambs: ³			
Canada.....	481	1,043	678	Afghanistan.....	0	0	0
Mexico.....	20	89	179	Ethiopia.....	751	630	1,070
Other countries.....	178	504	738	United Kingdom.....	349	573	127
Total.....	679	1,636	1,595	South Africa.....	0	0	0
				Iran.....	63	0	0
Calf and kip:				Australia.....	303	550	229
Canada.....	208	163	83	New Zealand.....	2,665	2,762	1,988
Other countries.....	252	4	23	Germany, Fed. Rep. of.....	0	13	0
Total.....	460	167	106	France.....	231	72	61
				Argentina.....	23	16	1
Goat and kid:				Canada.....	193	236	189
Botswana.....	11	18	0	Sudan.....	629	783	347
Haiti.....	73	4	0	Nigeria.....	281	177	560
Sudan.....	58	4	0	Other countries.....	671	758	1,056
Greece.....	54	87	0	Total.....	6,159	6,570	5,628
Portugal.....	0	54	96				
Australia.....	7	60	11				
Italy.....	6	12	51				
Venezuela.....	0	0	196				
China.....	16	0	0				
Other countries.....	93	60	312				
Total.....	296	293	419				

¹ Preliminary. ² Excludes pieces of cattle hides reported in units of pounds. ³ 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 455.—Hides and skins: United States exports by country of destination, 1988-90

Country of destination	1988	1989	1990 ¹	Country of destination	1988	1989	1990 ¹
	<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>
Cattle hides: ²				Sheep and lamb skins ³—			
Canada	932	648	684	Continued			
Mexico	2,755	1,301	1,439	Korea	664	1,015	954
France	93	18	28	France	164	455	333
Germany, Fed. Rep. of.....	105	69	53	Other countries	1,201	2,458	2,824
Italy	341	343	178	Total	2,476	3,616	4,000
Spain	440	84	209				
Romania	624	1,154	252	Calf and kip skins: ⁴			
Taiwan	2,535	1,892	1,477	Canada	178	314	162
Korea, Rep. of.....	10,068	10,357	9,883	Mexico	157	630	415
Japan.....	7,263	6,585	7,026	Italy	895	611	874
Czechoslovakia	1,276	1,431	743	Netherlands	82	178	238
Other countries				Yugoslavia.....	0	143	8
Total	26,432	23,882	21,972	Romania.....	0	16	6
				Korea	13	1,725	3,424
Sheep and lamb skins: ³				Taiwan	8	1,961	963
Canada	109	112	134	Japan	1,421	1,095	799
Japan.....	314	130	201	Israel	16	42	41
Brazil.....	0	18	0	Other countries.....	64	139	77
Germany, Fed. Rep. of.....	64	159	291	Total	2,834	6,854	7,007
Italy	658	476	497				
United Kingdom	98	111	21				
Poland	32	152	32				

¹ Final. ² Excludes pieces of cattle hides reported in units of pounds. ³ 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. ⁴ Under the new harmonized system kip skin exports are included with calf skin exports. n.a. not available. Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 456.—Mink farms, pelts produced and value of mink pelts, United States, 1976-90

Year	Mink farms	Pelts produced	Average market- ing price	Value of mink pelts	Year	Mink farms	Pelts produced	Average market- ing price	Value of mink pelts
	<i>Number</i>	<i>Thou- sand</i>	<i>Dollars</i>	<i>Million dollars</i>		<i>Number</i>	<i>Thou- sand</i>	<i>Dollars</i>	<i>Million dollars</i>
1976.....	1,015	3,026	29.00	87.8	1984.....	1,084	4,220	30.80	130.0
1977.....	1,040	3,076	28.30	87.1	1985.....	1,042	4,171	28.00	116.8
1978.....	1,095	3,358	39.30	132.0	1986.....	989	4,096	41.30	170.0
1979.....	1,105	3,394	41.10	139.5	1987.....	1,027	4,122	43.00	177.2
1980.....	1,122	3,501	35.30	123.6	1988.....	1,027	4,453	32.30	143.8
1981.....	(¹)	(¹)	32.20	(¹)	1989 ²	940	4,604	20.40	93.9
1982.....	1,116	4,085	28.90	118.1	1990 ³	786	3,365	25.50	85.8
1983.....	1,098	4,137	29.90	123.7					

¹ Data not available for 1981. ² Revised, based on additional information. ³ Preliminary. National Agricultural Statistics Service.

Table 457.—Mink pelts: Number produced by color class, major States, and United States, 1990 ¹

State	Stand- ard	Ranch wild	Demi- buff ¹	Pastel	Pale brown	Sap- phire	Gun- metal	Mahog- any	Pearl	Laven- der Hope	Pink	Violet type	White	Miscel- aneous and unclas- sified	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.....	71,600	43,500	51,300	9,600	2,200	8,600	6,200	12,800	3,100		1,000		100		210,000
IL.....	72,200	(²)	(²)	(²)			(²)	(²)	(²)				(²)		120,300
IN.....	11,900	3,100	(²)				(²)	(²)	(²)			(²)			16,100
IA.....	61,600	3,400	11,500	15,000		6,500	8,900	3,900	900			13,200	100		125,000
MA.....	(²)		(²)	(²)		(²)	(²)	(²)	(²)			(²)		(²)	8,300
MI.....	54,000	(²)	6,200	1,200		(²)	900	(²)	5,600			6,300	6,400	(²)	83,000
MN.....	149,100	135,500	20,800	5,400		(²)	24,100	14,800	900		(²)	(²)	7,500	(²)	373,200
NY.....	43,000	(²)	2,600	3,600		1,600	7,800	900	4,100		5,300	4,500	(²)		74,200
OH.....	66,300	8,000		(²)		(²)		9,000				(²)			88,300
OR.....	100,100	(²)	(²)	1,600		20,400	80,100	2,300		(²)	(²)	10,600			227,000
PA.....	32,100	(²)	3,400	(²)		11,600	19,200	13,400	600		4,500	3,100	(²)		95,400
SD.....	8,100	46,900	(²)	(²)			(²)	(²)	(²)	(²)					69,100
UT.....	435,100	20,400	95,900	700	700	17,700	16,300	71,400	1,400			17,000		3,400	680,000
WA.....	87,700	(²)	12,800	2,000		(²)	45,700	(²)							172,400
WI.....	537,700	45,100	17,100	22,100	200	17,500	37,000	74,700	5,800	12,300	18,000	28,600	38,600	600	855,300
Other States.....	45,700	85,100	50,400	10,100	500	8,600	8,900	59,600	9,500	100	14,400	5,700	7,500	200	167,800
US.....	1,776,200	391,000	272,000	71,300	3,600	92,500	255,100	262,800	31,900	12,400	43,200	89,000	60,200	4,200	3,365,400

¹ Demi-buff includes crosses of Dark brown, Violet, Pastel, Standard, Pearl or others.² Included in total to avoid disclosing individual operations.

National Agricultural Statistics Service.

Table 458.—Livestock: Number of animals slaughtered under Federal inspection and number of whole carcasses condemned, 1976-90

Year	Cattle		Calves		Sheep and lambs		Goats		Hogs		Horses	
	Total head	Con-demned ¹	Total head	Con-demned ¹	Total head	Con-demned ¹	Total head	Con-demned ¹	Total head	Con-demned ¹	Total head	Con-demned ¹
	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
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
1988.....	34,048	130.7	2,411	39.4	5,122	23.8	224	1.4	85,517	170.1	323	1.2
1989.....	33,010	139.8	2,100	38.2	5,295	25.2	226	1.5	86,328	181.3	348	1.3
1990.....	32,391	150.0	1,742	33.5	5,469	19.5	230	1.0	82,901	191.8	346	1.3

¹ Condemnations for 1976 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.

Table 459.—Livestock: Number and value, United States, Jan. 1, 1989-91

Class of livestock and poultry	Number			Value					
	1989	1990	1991 ¹	Per head ²			Total		
				1989	1990	1991 ¹	1989	1990	1991 ¹
	<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>
Cattle.....	98,065	98,162	99,436	580.00	614.00	653.00	56,907,654	60,285,432	64,900,175
Hogs ³	55,469	53,821	54,562	66.30	79.10	85.40	3,677,751	4,255,795	4,657,391
Sheep and lambs.....	10,858	11,363	11,200	82.40	79.30	65.60	894,912	901,545	734,368
Goats ⁴	1,850	1,900	1,830	54.20	49.00	34.00	100,270	93,100	62,200
Total ⁵							61,580,587	65,535,862	70,354,634
Chickens ³	356,105	356,234	351,775	2.04	2.16	2.29	726,442	770,822	805,831
Total ⁶							62,307,029	66,306,684	71,160,465

¹ Preliminary. ² Based on reporters' estimates of average price per head in their localities. ³ Dec. 1 of preceding year. ⁴ Texas only. ⁵ Cattle, hogs, sheep, and goats. ⁶ Includes all cattle, hogs, sheep, goats, and chickens (excluding broilers and turkey breeder hens).

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 class; 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 460.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, United States, Jan. 1, 1976-91

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>
1976.....	11,071	3,956	1984.....	11,059	4,533
1977.....	10,998	3,887	1985.....	10,777	4,770
1978.....	10,896	3,886	1986.....	11,116	4,709
1979.....	10,790	3,932	1987.....	10,466	4,305
1980.....	10,758	4,159	1988.....	10,311	4,122
1981.....	10,849	4,342	1989.....	10,212	4,161
1982.....	10,986	4,547	1990.....	10,153	4,227
1983.....	11,047	4,545	1991 ¹	10,159	4,194

¹ Preliminary.

National Agricultural Statistics Service.

Table 461.—Milk cow rations: Quantities and value of concentrates fed, by States, 1989 and 1990

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		1989	1990
	1989	1990	1989	1990		
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	6,830	6,640	51	53	9.06	8.74
AK.....	7,020	6,300	48	45	13.15	13.45
AZ.....	8,090	8,370	48	48	7.30	7.36
AR.....	6,270	6,390	54	54	8.36	8.12
CA.....	7,360	7,380	40	40	7.77	7.82
CO.....	7,630	7,900	46	46	7.25	7.10
CT.....	5,710	6,240	38	40	9.14	9.23
DE.....	5,950	5,480	41	40	8.76	8.28
FL.....	10,200	10,950	79	78	7.72	7.58
GA.....	5,940	7,650	50	59	8.72	8.44
ID.....	6,100	6,430	39	39	6.82	6.80
IL.....	5,170	6,070	38	42	7.72	8.08
IN.....	5,440	6,270	42	43	7.70	7.56
IA.....	4,910	6,250	40	44	7.39	7.05
KS.....	6,100	6,790	50	54	7.10	7.04
KY.....	5,110	5,800	47	53	8.90	8.50
LA.....	5,990	6,610	56	57	8.56	8.35
ME.....	5,320	5,560	38	38	9.54	9.01
MD.....	4,900	5,840	37	44	9.09	8.96
MA.....	5,640	5,950	39	40	9.15	8.88
MI.....	6,420	6,240	43	41	7.20	6.80
MN.....	5,060	6,060	39	43	7.54	7.60
MS.....	5,600	6,160	48	51	8.78	8.50
MO.....	6,830	6,610	51	50	8.23	7.97
MT.....	5,630	5,490	40	39	7.31	7.14
NE.....	5,830	5,690	44	44	6.92	6.70
NV.....	4,780	6,470	34	39	8.60	8.24
NH.....	4,960	5,760	36	38	9.30	8.99
NJ.....	4,620	5,020	35	37	9.50	9.13
NM.....	8,690	8,650	49	46	6.80	6.38
NY.....	4,590	5,490	33	38	9.26	9.06
NC.....	6,160	6,540	42	43	9.45	9.10
ND.....	5,190	5,640	45	45	6.06	5.76
OH.....	5,390	5,910	41	45	8.34	8.30
OK.....	4,920	6,290	45	51	8.64	8.16
OR.....	5,920	6,020	37	37	8.78	8.82
PA.....	5,550	5,530	39	38	9.37	9.20
RI.....	5,490	6,030	38	39	9.12	9.28
SC.....	5,670	6,370	46	50	8.85	8.51
SD.....	5,160	5,520	43	45	6.58	6.30
TN.....	5,170	5,600	47	50	9.58	9.25
TX.....	7,110	8,180	51	57	7.82	7.74
UT.....	5,680	6,180	36	39	7.10	7.24
VT.....	4,800	5,380	34	37	9.40	8.98
VA.....	5,310	5,690	38	40	9.56	9.10
WA.....	6,790	7,050	37	38	8.28	8.15
WV.....	4,240	5,180	38	46	9.26	9.00
WI.....	5,330	6,120	37	44	8.49	7.88
WY.....	3,750	3,780	30	31	6.58	6.26
US.....	5,845	6,395	41.0	43.7	8.20	7.98

National Agricultural Statistics Service.

Table 462.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, by States, Jan. 1, 1990 and 1991

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	
	1990	1991 ¹	1990	1991 ¹		1990	1991 ¹	1990	1991 ¹
	Thousands	Thousands	Thousands	Thousands		Thousands	Thousands	Thousands	Thousands
AL.....	40	43	14	14	NE.....	105	103	35	35
AK.....	1.4	1.1	.3	.3	NV.....	20	20	8	8
AZ.....	91	96	20	20	NH.....	19	20	8	8
AR.....	69	69	24	23	NJ.....	26	25	12	13
CA.....	1,115	1,150	525	525	NM.....	71	89	19	18
CO.....	76	77	30	30	NY.....	790	775	319	322
CT.....	34	33	14	14	NC.....	101	101	38	36
DE.....	9	9	2	3	ND.....	88	85	25	30
FL.....	182	185	35	30	OH.....	354	340	160	160
GA.....	109	113	40	44	OK.....	100	100	30	35
HI.....	11	11	6	9	OR.....	98	100	45	45
ID.....	170	185	85	90	PA.....	694	686	292	280
IL.....	195	195	65	70	RI.....	2.2	2.1	1.3	1.2
IN.....	160	155	70	65	SC.....	36	34	16	16
IA.....	308	302	120	135	SD.....	140	137	37	34
KS.....	98	98	40	38	TN.....	195	195	75	60
KY.....	210	200	85	80	TX.....	390	390	120	100
LA.....	85	80	24	21	UT.....	80	80	48	52
ME.....	43	42	17	18	VT.....	167	164	56	49
MD.....	106	108	40	41	VA.....	141	141	83	80
MA.....	31	30	9	8	WA.....	225	241	102	110
MI.....	344	343	154	162	WV.....	25	24	10	10
MN.....	715	690	325	315	WI.....	1,760	1,765	810	800
MS.....	63	63	22	21	WY.....	10	10	2	2
MO.....	226	230	102	105	US.....	10,153	10,159	4,227	4,194
MT.....	24	24	7	8					

¹ Preliminary.

National Agricultural Statistics Service.

Table 463.—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 1976-90

Year	Milk price cwt.	16% dairy feed price cwt.	Milk-feed price ratio ^{1 2}	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 ^{1 2}	Value per 100 pounds of grain and concentrates fed to milk cows
	Dollars	Dollars	Pounds	Dollars		Dollars	Dollars	Pounds	Dollars
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.....	12.76	8.40	1.52	7.35
1978.....	10.60	6.90	1.53	6.08	1986.....	12.51	8.00	1.57	7.00
1979.....	12.02	7.80	1.55	6.68	1987.....	12.54	7.70	1.63	6.80
1980.....	13.05	8.85	1.48	7.42	1988.....	12.26	9.10	1.35	7.74
1981.....	13.77	9.60	1.44	8.02	1989.....	13.56	9.43	1.44	8.20
1982.....	13.61	8.85	1.54	7.45	1990.....	13.73	.....	1.50	.....
1983.....	13.58	9.40	1.45	7.88					

¹ Annual ratios based on average of monthly ratios.² Pounds of 16% mixed dairy feed equal in value to one pound of whole milk.

National Agricultural Statistics Service.

Table 464.—Official National Cooperative Dairy Herd Improvement Program testing plans: Numbers of herds and cows and milk, fat, and protein production, United States, 1976-90

Year	Herds	Cows	Cows per herd	Average production			Cows with protein information	Average protein production	
				Milk	Fat			Percent	Pounds
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>	<i>Percent</i>	<i>Pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>Pounds</i>
1976.....	33,755	2,581,164	76.5	14,435	3.73	539			
1977.....	34,972	2,704,064	77.3	14,631	3.70	542			
1978.....	36,105	2,792,175	77.3	14,644	3.70	542			
1979.....	37,576	2,966,558	78.9	14,786	3.70	547			
1980.....	39,524	3,197,353	80.8	14,960	3.70	553			
1981.....	40,933	3,382,977	82.6	15,134	3.68	558	2	3.28	507
1982.....	41,029	3,431,507	83.6	15,274	3.69	564	24	3.27	506
1983.....	40,745	3,446,570	84.6	15,520	3.68	572	41	3.27	515
1984.....	39,100	3,262,174	83.4	15,587	3.70	577	60	3.25	502
1985.....	37,661	3,322,771	88.2	16,279	3.69	600	70	3.23	519
1986.....	34,779	3,102,698	89.2	16,654	3.67	612	79	3.23	532
1987.....	34,413	3,160,551	91.8	17,008	3.68	625	86	3.22	541
1988.....	34,020	3,168,186	93.1	17,379	3.68	640	88	3.22	555
1989.....	33,528	3,212,684	95.8	17,612	3.70	652	89	3.22	563
1990.....	33,263	3,252,990	97.8	18,031	3.67	662	90	3.23	578

Agricultural Research Service.

Table 465.—Cattle: Tuberculin tests in cooperation with States, 1976-90

Year	Tuberculin Tests						Infected and exposed ¹ 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>
1976.....	103,441	2,484,550	298	0.29	1,879	0.08	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	1,361,793	29	.06	99	.01	17
1988.....	80,211	1,918,837	97	.12	457	.02	9
1989.....	72,091	1,580,438	28	.04	515	.04	13
1990.....	66,319	1,490,866	51	.08	221	.01	19

¹ All methods of surveillance and detection. Animal and Plant Health Inspection Service.

Table 466.—Cattle: Brucellosis work in cooperation with States, 1975–90

Year	Milk ring tests ¹			Market cattle blood tests		
	Herd tests	Suspicious herd tests		Cattle tested	Reactor cattle	
		Number	Number		Percent	Number	Number	Percent
1975	841,392	2,642	0.3	13,524,598	90,949	0.7
1976	730,737	2,096	.3	13,939,367	88,443	.6
1977	760,576	2,272	.3	13,608,558	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	4,676	.6	11,589,338	50,010	.4
1982	938,779	3,295	.4	12,871,496	51,876	.4
1983	958,532	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
1987	695,948	2,422	.3	13,051,618	36,145	.3
1988	588,959	1,955	.3	12,290,294	24,946	.2
1989	634,692	1,980	.3	11,411,391	17,625	.2
1990						

Year	Cattle blood tested on farm or ranch ²						Adjusted cattle infection rate ³	Calves vaccinated	
	Herd or lot tests	Infected herds or lots			Cattle tested	Reactor cattle			
		Number	Number	Percent		Number			Percent
1975	238,184	37,117	15.6	6,947,008	181,214	2.6	0.9	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	
1987	145,058							9,479,496	
1988	142,263							8,556,000	
1989								4,666,162	
1990									

¹ Represents multiple milk ring tests each year for the commercial dairy herd. ² Includes an increasing proportion of herds tested each year because of suspicious milk ring or market cattle test results. ³ 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 467.—Milk and milkfat production: Number of producing cows, yield per cow, and total quantity produced, United States, 1976-90

Year	Number of milk cows ¹	Production of milk and milkfat ²				
		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>
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	11,891	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	11,059	12,622	461	3.66	139,588	5,102
1984	10,793	12,541	460	3.66	135,351	4,960
1985	10,981	13,024	478	3.67	143,012	5,244
1986	10,773	13,285	487	3.67	143,124	5,249
1987	10,327	13,819	505	3.65	142,709	5,233
1988	10,262	14,145	520	3.67	145,152	5,338
1989	10,126	14,244	525	3.68	144,239	5,314
1990 ³	10,127	14,642	534	3.65	148,284	5,411

¹ Average number during year, excluding heifers not yet fresh. ² Excludes milk sucked by calves. ³ Preliminary.

National Agricultural Statistics Service.

Table 468.—Milk: Quantities used and marketed by farmers, United States, 1976-90

Year	Milk used on farms where produced			Milk marketed by producers			
	Fed to calves ¹	Consumed as fluid milk or cream	Total	Sold to plants and dealers ²		Sold directly to consumers ³	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>
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	(*)	1,489	120,869
1980	1,395	943	2,338	124,598	(*)	1,470	126,067
1981	1,418	886	2,304	128,994	(*)	1,472	130,467
1982	1,521	839	2,361	131,859	(*)	1,285	133,144
1983	1,520	839	2,359	136,014	(*)	1,214	137,228
1984	2,129	802	2,931	131,280	(*)	1,140	132,421
1985	1,745	709	2,454	139,307	(*)	1,251	140,558
1986	1,714	674	2,388	139,559	(*)	1,175	140,735
1987	1,599	659	2,258	139,253	(*)	1,197	140,450
1988	1,620	623	2,242	141,775	(*)	1,134	142,910
1989	1,503	573	2,076	141,124	(*)	1,038	142,163
1990 ⁴	1,525	523	2,048	145,300	(*)	935	146,236

¹ Excludes milk sucked by calves. ² Includes milk produced by dealers' own herds. ³ Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds. ⁴ Equivalent amount of milk included in whole milk to plants and dealers. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 469.—Milk and milkfat production: Number of milk cows, yield per cow, and total quantity produced, by States, 1989

State	Number of milk cows ¹	Production of milk and milkfat ²				
		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.....	43	12,256	447	3.65	527	19.2
AK.....	1.6	14,563	489	3.36	23.3	.8
AZ.....	91	16,758	617	3.68	1,525	56.1
AR.....	68	11,676	616	3.56	794	28.3
CA.....	1,104	17,591	644	3.66	19,420	710.8
CO.....	76	16,803	620	3.69	1,277	47.1
CT.....	34	15,412	572	3.71	524	19.4
DE.....	9.2	13,870	513	3.70	127.6	4.7
FL.....	181	13,519	475	3.51	2,447	85.9
GA.....	107	12,178	444	3.65	1,303	47.6
HI.....	11.8	13,051	441	3.88	154.0	5.2
ID.....	171	15,608	573	3.67	2,669	98.0
IL.....	197	13,924	514	3.69	2,743	101.2
IN.....	162	13,759	513	3.73	2,229	83.1
IA.....	309	13,599	494	3.63	4,202	152.5
KS.....	99	12,687	466	3.67	1,256	46.1
KY.....	212	10,684	393	3.68	2,265	83.4
LA.....	86	11,047	393	3.56	950	33.8
ME.....	43	14,163	540	3.81	609	23.2
MD.....	104	13,240	490	3.70	1,377	50.9
MA.....	31	14,452	546	3.78	448	16.9
MI.....	345	14,933	550	3.68	5,152	189.6
MN.....	734	13,771	504	3.66	10,108	370.0
MS.....	65	11,800	430	3.64	767	27.9
MO.....	228	13,048	480	3.68	2,975	109.5
MT.....	24	13,625	484	3.55	327	11.6
NE.....	105	12,952	477	3.68	1,360	50.0
NV.....	19.8	14,899	538	3.61	295.0	10.6
NH.....	20	14,600	555	3.80	292	11.1
NJ.....	28	13,000	475	3.65	364	13.3
NM.....	67	18,552	657	3.54	1,243	44.0
NY.....	776	14,267	529	3.71	11,071	410.7
NC.....	104	14,721	546	3.71	1,531	56.8
ND.....	86	11,977	440	3.67	1,030	37.8
OH.....	349	12,994	481	3.70	4,535	167.8
OK.....	100	12,320	450	3.65	1,232	45.0
OR.....	95	15,884	591	3.72	1,509	56.1
PA.....	698	14,324	529	3.69	9,998	368.9
RI.....	23.0	14,783	551	3.73	34.0	1.3
SC.....	37	12,486	481	3.85	462	17.8
SD.....	143	12,056	440	3.65	1,724	62.9
TN.....	196	11,184	412	3.68	2,192	80.7
TX.....	386	13,394	482	3.60	5,170	186.1
UT.....	76	15,395	556	3.61	1,170	42.2
VT.....	163	14,337	542	3.78	2,337	88.3
VA.....	143	13,933	511	3.67	1,991	73.1
WA.....	225	18,209	676	3.71	4,097	152.0
WV.....	25	11,160	413	3.70	279	10.3
WI.....	1,739	13,801	518	3.75	24,000	900.0
WY.....	10.1	12,277	446	3.63	124.0	4.5
US ³	10,126	14,244	525	3.68	144,289	5,314.3

¹ Average number during year, excluding heifers not yet fresh. will not add due to rounding.

² Excludes milk sucked by calves.

³ U.S. total

National Agricultural Statistics Service.

Table 470.—Milk and milkfat production: Number of milk cows, yield per cow, and total quantity produced, by States, 1990 (preliminary)

State	Number of milk cows ¹	Production of milk and milkfat ²				
		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.....	42	12,524	447	3.57	526	18.8
AK.....	1.2	14,000	480	3.43	16.8	6
AZ.....	94	17,447	628	3.60	1,640	59.0
AR.....	69	11,841	417	3.52	817	28.8
CA.....	1,135	18,461	668	3.62	20,953	758.5
CO.....	77	17,182	627	3.65	1,323	48.3
CT.....	33	15,606	565	3.62	515	18.6
DE.....	8.9	13,708	502	3.66	122.0	4.5
FL.....	180	14,044	489	3.48	2,528	88.0
GA.....	111	12,973	466	3.59	1,440	51.7
HI.....	11.1	13,586	451	3.32	150.8	5.0
ID.....	179	16,475	598	3.63	2,949	107.0
IL.....	195	14,462	528	3.65	2,820	102.9
IN.....	156	14,590	537	3.68	2,276	83.8
IA.....	305	14,197	514	3.62	4,390	156.7
KS.....	99	12,576	457	3.63	1,245	45.2
KY.....	206	10,947	395	3.61	2,255	81.4
LA.....	81	11,605	410	3.53	940	33.2
ME.....	42	14,619	541	3.70	614	22.7
MD.....	103	13,262	485	3.66	1,366	50.0
MA.....	31	14,871	544	3.66	461	16.9
MI.....	344	15,212	555	3.65	5,233	191.0
MN.....	710	14,093	514	3.65	10,006	365.2
MS.....	62	12,081	435	3.60	749	27.0
MO.....	230	13,217	480	3.63	3,040	110.4
MT.....	24	14,083	494	3.51	338	11.9
NE.....	104	12,933	475	3.67	1,345	49.4
NV.....	20.0	16,600	599	3.61	332.0	12.0
NH.....	20	15,150	565	3.73	303	11.3
NJ.....	26	13,577	493	3.63	353	12.8
NM.....	81	18,815	672	3.57	1,524	54.4
NY.....	768	14,456	529	3.66	11,102	406.3
NC.....	100	15,220	560	3.68	1,522	56.0
ND.....	88	12,534	456	3.64	1,103	40.1
OH.....	342	13,143	485	3.69	4,495	165.9
OK.....	101	12,327	445	3.61	1,245	44.9
OR.....	99	16,273	599	3.68	1,611	59.3
PA.....	683	14,543	531	3.65	9,933	362.6
RI.....	2.2	15,455	558	3.61	34.0	1.2
SC.....	35	12,743	486	3.81	446	17.0
SD.....	140	12,257	446	3.64	1,716	62.5
TN.....	196	11,209	404	3.60	2,197	79.1
TX.....	386	14,350	512	3.57	5,539	197.7
UT.....	80	15,838	569	3.59	1,267	45.5
VT.....	163	14,528	540	3.72	2,368	88.1
VA.....	141	14,213	512	3.60	2,004	72.1
WA.....	237	18,557	681	3.67	4,398	161.4
WV.....	24	11,250	410	3.64	270	9.8
WI.....	1,753	13,919	519	3.73	24,400	910.1
WY.....	10.1	12,178	447	3.67	123.0	4.5
US ³	10,127	14,642	534	3.65	148,284	5,411.5

¹ Average number during year, excluding heifers not yet fresh. ² Excludes milk sucked by calves. ³ U.S. total will not add due to rounding.

National Agricultural Statistics Service.

**Table 471.—Milk: Quantities used and marketed by producers, by States, 1990
(preliminary)**

State	Milk used where produced			Milk marketed by producers		
	Fed to calves ¹	Used for milk, cream, and butter	Total	Sold to plants and dealers ²	Sold directly to consumers ^{3 4}	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
AL.....	1	2	3	523		523
AK.....	.6	.3	.9	15.7	0.2	15.9
AZ.....	8	2	10	1,630		1,630
AR.....	20	9	29	788		788
CA.....	38	7	45	20,660	248	20,908
CO.....	44	8	52	1,240	31	1,271
CT.....	7	2	9	495	11	506
DE.....	1.0	.0	1.0	121.0		121.0
FL.....	3	2	5	2,523		2,523
GA.....	7	2	9	1,420	11	1,431
HI.....	1.5	.9	2.4	148.6		148.6
ID.....	37	7	44	2,905		2,905
IL.....	28	6	34	2,786		2,786
IN.....	40	10	50	2,226		2,226
IA.....	75	40	115	4,215		4,215
KS.....	17	3	20	1,225		1,225
KY.....	48	32	80	2,175		2,175
LA.....	12	8	20	920		920
ME.....	11	4	15	590	9	599
MD.....	8	3	11	1,350	5	1,355
MA.....	5	2	7	436	18	454
MI.....	60	10	70	5,150	13	5,163
MN.....	111	20	131	9,875		9,875
MS.....	3	3	6	740	3	743
MO.....	40	15	55	2,985		2,985
MT.....	7	6	13	325		325
NE.....	25	10	35	1,310		1,310
NV.....	5	2	7	325		325
NH.....	4	1	5	298		298
NJ.....	3	1	4	349		349
NM.....	6	7	13	1,511		1,511
NY.....	157	60	217	10,855	30	10,885
NC.....	17	19	36	1,486		1,486
ND.....	25	3	28	1,075		1,075
OH.....	20	15	35	4,460		4,460
OK.....	16	9	25	1,220		1,220
OR.....	26	7	33	1,517	61	1,578
PA.....	70	40	110	9,567	256	9,823
RI.....	1	0	1	30	3	33
SC.....	6	4	10	426	10	436
SD.....	10	5	15	1,701		1,701
TN.....	107	35	142	2,050	5	2,055
TX.....	33	5	38	5,501		5,501
UT.....	22	3	25	1,200	42	1,242
VT.....	24	8	32	2,330	6	2,336
VA.....	17	5	22	1,982		1,982
WA.....	22	4	26	4,208	164	4,372
WV.....	3	2	5	260	5	265
WI.....	268	73	341	24,055	4	24,059
WY.....	5	1	6	117		117
US ⁵	1,525	523	2,048	145,300	935	146,236

¹ Excludes milk sucked by calves. ² 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. ³ Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds. ⁴ For States not published, sales are nominal. Included in milk sold to plants. ⁵ Sum of parts may not equal sum of totals due to rounding.

National Agricultural Statistics Service.

Table 472.—Milk: Production in specified countries, 1988-90

Country	Production								
	Milk cows			Yield per cow			Total milk product ¹		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>Kilo-grams</i>	<i>Kilo-grams</i>	<i>Kilo-grams</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	
Argentina.....	2,300	2,150	2,100	2,614	3,128	3,095	6,168	6,725	6,500
Australia ³	1,697	1,663	1,631	3,711	3,888	3,945	6,297	6,465	6,435
Austria.....	891	887	883	3,726	3,741	3,760	3,320	3,318	3,320
Belgium/ Luxembourg.....	954	930	910	4,104	4,212	4,187	3,915	3,917	3,810
Brazil.....	14,700	14,650	14,800	898	915	959	13,200	13,400	14,200
Canada.....	1,467	1,449	1,429	5,609	5,507	5,528	8,229	7,980	7,900
Chile.....	630	640	645	1,832	1,984	2,202	1,154	1,270	1,420
China.....	2,164	2,222	2,260	1,691	1,716	1,827	3,660	3,813	4,130
Czechoslovakia.....	1,788	1,775	1,765	3,894	4,000	3,991	6,963	7,100	7,044
Denmark.....	774	764	770	6,123	6,213	6,158	4,739	4,747	4,742
Finland.....	585	509	493	5,086	5,361	5,576	2,721	2,729	2,749
France.....	5,841	5,574	5,489	4,451	4,691	4,810	26,000	26,150	26,400
Germany, Dem. Rep. of.....	2,012	2,010	2,001	4,016	4,075	3,918	8,080	8,190	7,840
Germany, Fed. Rep. of.....	5,059	4,950	4,800	4,739	4,897	4,948	23,974	24,242	23,750
Greece.....	232	226	230	2,810	2,987	2,783	652	675	640
Hungary.....	578	580	570	4,824	4,897	4,912	2,788	2,840	2,800
India.....	28,500	29,000	30,000	772	828	890	22,000	24,000	26,700
Ireland.....	1,444	1,387	1,400	3,859	4,019	4,004	5,573	5,575	5,605
Italy.....	3,020	2,973	2,931	3,533	3,642	3,685	10,671	10,828	10,800
Japan.....	1,046	1,066	1,081	7,272	7,560	7,576	7,607	8,059	8,190
Mexico.....	6,200	6,300	6,410	1,424	1,424	1,456	8,830	8,970	9,330
Netherlands.....	1,946	1,888	1,855	5,861	5,996	6,027	11,406	11,321	11,180
New Zealand ⁴	2,280	2,236	2,269	3,481	3,312	3,528	7,936	7,406	7,779
Norway.....	346	343	340	5,514	5,548	5,588	1,908	1,903	1,900
Peru.....	703	685	620	950	952	911	668	652	565
Poland.....	4,806	4,994	4,900	3,215	3,278	3,300	15,450	16,371	16,170
Portugal.....	402	414	389	3,348	3,430	3,805	1,346	1,420	1,480
Romania.....	2,075	2,030	1,990	2,072	2,044	2,261	4,300	4,150	4,500
South Africa.....	1,814	1,870	1,722	1,351	1,367	1,534	2,450	2,557	2,641
Spain.....	1,882	1,880	1,834	3,162	3,191	3,326	5,950	6,000	6,100
Sweden.....	565	560	556	6,097	6,107	6,223	3,445	3,420	3,460
Switzerland.....	786	795	785	4,794	4,892	4,943	3,768	3,889	3,880
Soviet Union.....	42,000	41,809	41,734	2,543	2,596	2,605	106,800	108,529	108,700
United Kingdom.....	3,166	3,142	3,224	4,700	4,662	4,658	14,880	14,647	15,016
United States.....	10,262	10,126	10,127	6,416	6,461	6,642	65,840	65,426	67,260
Venezuela.....	1,300	1,210	1,170	1,382	1,395	1,265	1,796	1,688	1,480
Yugoslavia.....	2,585	2,530	2,505	1,791	1,818	1,800	4,629	4,599	4,510
World total.....	158,810	158,217	158,618				429,113	434,971	440,926

¹ May include milk other than cow's milk. ² Preliminary. ³ Year ending June 30. ⁴ 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 473.—Marketings, income, and value of milk production, by States, 1990
(preliminary)**

State	Milk sold to plants and dealers ¹				Milk sold directly to consumers ³		
	Quantity	Percent fluid grade ²	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.....	523	99	15.90	83,157			
AK.....	15.7	100	20.30	3,187			
AZ.....	1,630	100	14.10	229,830	98	72	67
AR.....	788	98	15.00	118,200			
CA.....	20,660	98	12.02	2,483,332	115,349	63	72,670
CO.....	1,240	100	14.50	179,800	14,419	60	8,651
CT.....	495	100	14.70	72,765	5,116	65	3,326
DE.....	121.0	100	14.90	18,029			
FL.....	2,523	100	16.70	421,341			
GA.....	1,420	100	15.70	222,940	5,116	59	3,019
HI.....	148.6	98	20.70	30,760			
ID.....	2,905	75	12.20	354,410			
IL.....	2,786	89	12.80	356,608			
IN.....	2,226	90	14.10	313,866			
IA.....	4,215	76	13.30	560,595			
KS.....	1,225	91	13.30	162,925			
KY.....	2,175	93	14.30	311,025			
LA.....	920	100	15.40	141,680			
ME.....	590	100	15.20	89,680	4,186	54	2,260
MD.....	1,350	100	14.90	201,150	2,326	60	1,395
MA.....	436	100	14.80	64,528	8,372	66	5,526
MI.....	5,150	98	14.10	726,150	6,047	55	3,326
MN.....	9,875	76	13.22	1,305,475			
MS.....	740	99	15.10	111,740	1,395	58	809
MO.....	2,985	89	13.60	405,960			
MT.....	325	98	13.70	44,525			
NE.....	1,310	76	13.10	171,610			
NV.....	325	100	13.20	42,900			
NH.....	298	100	14.80	44,104			
NJ.....	349	100	15.30	53,397			
NM.....	1,511	100	13.40	202,474			
NY.....	10,855	100	14.60	1,584,830	13,953	65	9,070
NC.....	1,486	95	15.80	234,788			
ND.....	1,075	56	12.50	134,375			
OH.....	4,460	92	13.90	619,940			
OK.....	1,220	96	14.30	174,460			
OR.....	1,517	97	13.30	201,761	28,372	45	12,767
PA.....	9,567	99	15.00	1,436,050	119,070	51	60,726
RI.....	30	100	14.80	4,440	1,395	65	907
SC.....	426	100	16.10	68,586	4,651	70	3,256
SD.....	1,701	55	13.00	221,130			
TN.....	2,050	94	14.70	301,350	2,326	54	1,256
TX.....	5,501	100	14.70	808,647			
UT.....	1,200	82	12.90	154,800	19,535	51	9,963
VT.....	2,330	100	14.40	335,520	2,791	65	1,814
VA.....	1,982	97	15.00	297,300			
WA.....	4,208	100	13.30	559,664	76,279	53	40,428
WV.....	260	98	14.30	37,180	2,326	73	1,698
WI.....	24,055	86	13.45	3,235,398	1,860	50	930
WY.....	117	73	12.80	14,976			
US.....	145,300	92	13.73	19,952,338	434,977	56.1	243,862

See footnotes at end of table.

Table 473.—Marketings, income, and value of milk production, by States, 1990
(preliminary)—Continued

State	Combined marketing of milk and cream				Used for milk, cream, and butter where produced		Gross producer income ⁸	Value of all milk produced ⁹
	Milk utilized	Average returns ⁶		Cash receipts from marketings	Milk utilized	Value ⁷		
		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.....	523	15.90	4.45	83,157	2	318	83,475	83,634
AK.....	15.9	20.47	5.97	3,254	3	61	3,315	3,438
AZ.....	1,630	14.10	3.92	229,830	2	282	230,112	231,240
AR.....	788	15.00	4.26	118,200	9	1,950	119,550	122,550
CA.....	20,928	12.22	3.38	2,556,002	7	856	2,556,858	2,561,503
CO.....	1,271	14.83	4.06	188,451	8	1,186	189,637	196,161
CT.....	506	15.04	4.15	76,091	2	301	76,391	77,444
DE.....	121.0	14.90	4.07	18,029	0	0	18,029	18,178
FL.....	2,523	16.70	4.80	421,341	2	334	421,675	422,176
GA.....	1,431	15.79	4.40	225,959	2	316	226,274	227,380
HI.....	148.6	20.70	6.23	30,760	9	196	30,946	31,216
ID.....	2,905	12.20	3.36	354,410	7	854	355,264	359,778
IL.....	2,786	12.80	3.51	356,608	6	768	357,376	360,960
IN.....	2,226	14.10	3.83	313,866	10	1,410	315,276	320,916
IA.....	4,215	13.30	3.67	560,595	40	5,320	565,915	575,890
KS.....	1,225	13.30	3.66	162,325	3	399	163,324	165,585
KY.....	2,175	14.30	3.96	311,025	32	4,676	315,601	322,465
LA.....	920	15.40	4.36	141,680	8	1,232	142,912	144,760
ME.....	599	15.35	4.15	91,940	4	614	92,554	94,243
MD.....	1,955	14.95	4.08	292,545	3	448	292,994	294,190
MA.....	454	15.43	4.22	70,054	2	309	70,362	71,134
MI.....	5,163	14.13	3.87	729,476	10	1,413	730,888	739,366
MN.....	9,875	13.22	3.62	1,305,475	20	2,644	1,308,119	1,322,793
MS.....	743	15.15	4.21	112,549	3	454	113,004	113,458
MO.....	2,985	13.60	3.75	405,960	15	2,040	408,000	413,440
MT.....	325	13.70	3.90	44,525	6	822	45,347	46,306
NE.....	1,310	13.10	3.57	171,610	10	1,310	172,920	176,195
NV.....	325	13.20	3.66	42,900	2	264	43,164	43,824
NH.....	298	14.80	3.97	44,104	1	148	44,252	44,844
NJ.....	349	15.30	4.21	53,397	1	153	53,550	54,009
NM.....	1,511	13.40	3.75	202,474	7	938	203,412	204,216
NY.....	10,885	14.64	4.00	1,593,900	60	8,786	1,602,686	1,625,675
NC.....	1,486	15.80	4.29	234,788	19	3,002	237,790	240,476
ND.....	1,075	12.50	3.43	134,375	3	375	134,750	137,875
OH.....	4,460	13.90	3.77	619,940	15	2,085	622,025	624,805
OK.....	1,220	14.30	3.96	174,460	9	1,287	175,747	178,035
OR.....	1,578	13.59	3.69	214,528	7	952	215,480	219,015
PA.....	9,823	15.23	4.17	1,495,776	40	6,091	1,501,866	1,512,526
RI.....	33	16.20	4.49	5,347	0	0	5,347	5,509
SC.....	436	16.48	4.32	71,842	4	659	72,501	73,490
SD.....	1,701	13.00	3.57	221,130	5	650	221,780	223,080
TN.....	2,055	14.73	4.09	302,606	35	5,154	307,760	323,516
TX.....	5,501	14.70	4.12	808,647	5	735	809,382	814,233
UT.....	1,242	13.20	3.70	164,763	3	398	165,161	168,079
VT.....	2,336	14.44	3.88	337,334	8	1,155	338,489	341,955
VA.....	1,982	15.00	4.17	297,300	5	750	298,050	300,600
WA.....	4,372	13.73	3.74	600,092	4	549	600,641	603,661
WV.....	265	14.67	4.03	38,878	2	293	39,171	39,611
WI.....	24,059	13.45	3.61	3,236,328	73	9,820	3,246,147	3,282,198
WY.....	117	12.80	3.49	14,976	1	128	15,104	15,744
US.....	146,286	13.81	3.78	20,196,200	523	74,175	20,270,375	20,483,373

¹ Includes the equivalent amounts of milk for cream sold to plants and dealers. ² 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. ³ Also includes milk produced by institutional herds. ⁴ Based on unrounded value. Includes milk sold directly to consumers. ⁵ Not published to avoid disclosing individual operations. ⁶ Cash receipts divided by milk for milkfat represented in combined marketings. ⁷ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. ⁸ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and producer-churned butter. ⁹ Includes value of milk fed to calves.

National Agricultural Statistics Service.

Table 474.—Marketings, income and value of milk production, United States, 1976–90

Year	Milk sold to plants and dealers			Cream sold to plants and dealers ¹			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>
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	136,014	13.58	18,474,613				564,791	48.4	273,121
1984	131,280	13.46	17,670,475				530,372	49.2	260,949
1985	139,307	12.76	17,770,415				582,000	48.7	285,205
1986	139,559	12.51	17,458,979				546,651	48.3	263,960
1987	139,253	12.54	17,456,027				556,884	48.6	270,619
1988	141,775	12.26	17,377,403				527,581	50.0	263,970
1989	141,124	13.56	19,141,836				482,884	53.9	260,247
1990 ²	145,300	13.73	19,952,338				434,977	56.1	243,882

Year	Combined marketings of milk and cream				Used for milk, cream, and butter on farms where produced		Gross farm income from dairy products ⁶	Farm value of all milk produced ⁶
	Milk utilized	Average returns ³		Cash receipts from marketings	Milk utilized	Value ⁴		
		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>
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	137,228	13.66	3.74	18,747,734	839	115,529	18,863,263	19,070,771
1984	132,421	13.54	3.69	17,931,424	802	109,569	18,040,992	18,327,831
1985	140,558	12.84	3.50	18,053,620	709	92,331	18,145,951	18,369,643
1986	140,735	12.59	3.43	17,722,940	674	85,935	17,808,874	18,025,140
1987	140,450	12.62	3.46	17,726,646	659	84,655	17,811,301	18,014,069
1988	142,910	12.34	3.36	17,641,372	623	78,481	17,719,853	17,920,834
1989	142,163	13.65	3.70	19,402,082	573	79,484	19,481,567	19,687,530
1990 ²	146,236	13.81	3.78	20,196,200	523	74,175	20,270,375	20,483,373

¹ After 1978 equivalent amounts of milk included in milk sold to plants and dealers. ² Preliminary. ³ Cash receipts divided by milk or milkfat represented in combined marketings. ⁴ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. ⁵ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and producer-churned butter. ⁶ Includes value of milk fed to calves.

National Agricultural Statistics Service.

Table 475.—Federal Milk Order Markets: Measures of growth, 1976–90

Year	Markets ¹	Population of Federal milk marketing areas ²	Handlers ¹	Producers ³	Producer deliveries	Producer deliveries used in Class I	Percentage of producer deliveries used in Class I
	Number	Thousands	Number	Number	Million pounds	Million pounds	Percent
1976.....	50	157,295	1,305	122,675	74,586	40,985	54.9
1977.....	47	159,504	1,260	122,755	77,947	41,125	52.8
1978.....	47	161,224	1,189	119,326	78,091	41,143	52.7
1979.....	47	163,053	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	166,663	1,058	119,323	87,989	40,746	46.3
1982.....	49	172,775	1,010	120,743	91,611	40,807	44.5
1983.....	46	175,624	958	121,052	95,757	41,091	42.9
1984.....	45	177,524	912	119,033	91,676	41,517	45.3
1985.....	44	176,440	884	116,765	97,762	42,201	43.2
1986.....	44	177,992	849	112,322	98,791	42,725	43.2
1987.....	43	180,374	797	105,882	98,182	42,876	43.7
1988.....	42	184,180	776	104,141	100,066	43,141	43.1
1989.....	41	185,919	748	100,291	95,871	43,367	45.2
1990.....	42	195,442	753	100,444	102,422	43,778	42.7

Year	Prices at 3.5 percent butterfat content per hundredweight ⁴		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
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	71	2,413	111,581	12,515,451
1987.....	13.90	12.51	80	71	2,542	118,402	12,529,800
1988.....	13.42	12.14	⁵ 79	⁵ 71	2,627	119,261	12,419,974
1989.....	14.51	13.30	⁵ 75	⁵ 68	2,614	129,744	13,012,796
1990.....	15.54	13.78	⁵ 77	⁵ 70	2,795	142,287	14,292,135

¹ End of year. (Date on which pricing provisions became effective.) ² End of year. Data for 1980 according to the 1980 U.S. Census of Population. Data for 1975–1979 and 1981 to date are estimated. ³ Average for year. ⁴ Weighted averages. ⁵ The decrease in these percentages results from handlers electing, because of blend and Class III price levels, not to pool milk that normally would have been pooled under Federal milk orders.

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Table 476.—Dairy products: Factory production of specified items, by States, 1988–90

State	Butter			Total American cheese ²			Total cheese ³		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 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	1,000 pounds
AL.....									
AZ.....									
AR.....									
CA.....	229,016	254,685	279,790	232,380	244,849	308,377	540,676	608,088	704,492
CO.....									
CT.....									
DE.....									
FL.....									
GA.....									
ID.....				94,810	104,774	103,513	153,053	160,648	178,474
IL.....		2,354	1,815		3,493	1,628	108,963	115,090	110,165
IN.....				32,188	27,183		32,188	27,183	
IA.....				131,662	126,037	132,370	258,943	256,091	293,151
KS.....	22,715	21,555	19,278	35,574	34,867	39,772	47,268	46,988	55,084
KY.....				13,175	12,088	11,523	33,336	31,373	28,828
LA.....									
ME.....									
MD.....									
MA.....									
MI.....	31,058	27,635	18,021	20,163	18,478		69,043	73,673	107,890
MN.....	129,566	135,628	115,409	572,974	561,856	596,816	635,025	610,843	654,188
MS.....				9,406	8,544		9,610	8,808	
MO.....	14,430	14,979	15,416	75,593	78,604	70,874	181,850	191,757	189,505
MT.....	1,350	1,193	1,017						
NE.....							91,524	112,959	136,925
NV.....									
NH.....									
NJ.....							42,821	44,404	
NM.....									
NY.....	27,415	26,011	20,296	84,858	83,678	96,575	509,372	500,172	507,229
NC.....									
ND.....	4,997	6,416	4,766	41,754	40,017	44,628	41,754	40,017	44,628
OH.....			40,632	16,734	15,264		97,426	92,137	98,600
OK.....	16,551	18,279	14,770						
OR.....	14,225	15,344	15,661	31,197	34,689	39,821	31,324	34,810	39,964
PA.....	59,720	67,248	75,963				223,161	220,564	248,597
RI.....									
SC.....									
SD.....				73,934	59,632	49,991	134,359	148,849	156,458
TN.....					6,018	9,950	16,474	13,202	19,058
TX.....									
UT.....	10,686			35,897	37,716	40,767	63,563	65,042	70,204
VT.....							113,071	108,371	122,793
VA.....									
WA.....	95,113			26,594			53,732	67,630	71,322
WI.....	295,576	318,717	320,359	998,056	924,206	954,352	1,901,379	1,847,455	1,910,230
WV.....									
Other.....	255,122	385,365	358,984	229,628	252,082	389,810	181,558	189,218	313,377
US.....	1,207,540	1,295,409	1,302,177	2,756,577	2,674,075	2,890,767	5,571,973	5,615,372	6,061,162

See footnotes at end of table.

Table 476.—Dairy products: Factory production of specified items, by States, 1988-90—Continued

State	Evaporated and sweetened condensed whole milk (case goods) ⁵			Nonfat dry milk for human food			Total ice cream		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	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.....							21,756	21,447	19,835
AK.....								90	72
AZ.....							7,012	7,442	7,232
AR.....							6,705	5,035	3,840
CA.....				279,346	281,861	321,624	107,173	107,758	102,718
CO.....							10,287	10,643	10,781
CT.....									
DE.....									
FL.....							29,645	28,133	24,290
GA.....							8,925	11,087	9,898
ID.....									
IL.....							31,451	22,885	32,908
IN.....							24,712	26,256	23,600
IA.....				68,615	59,693		23,914	27,040	30,669
KS.....							7,058	6,322	5,961
KY.....									
LA.....									
ME.....								1,708	1,661
MD.....							15,085	19,117	19,332
MA.....							44,994	38,546	32,675
MI.....				59,068	34,342		29,378	27,421	27,217
MN.....				90,113	67,178	36,901	37,759	38,975	39,422
MS.....							3,171		
MO.....					9,520	16,916	18,556	15,481	13,460
MT.....									
NE.....									
NV.....									
NH.....									
NJ.....							18,707	18,232	17,736
NM.....									
NY.....				12,019	11,447	16,697	45,856	46,507	43,242
NC.....							33,580	33,589	34,585
ND.....				2,376	4,576	2,818	2,018	1,973	1,873
OH.....							41,615	30,571	40,735
OK.....							12,224	12,595	12,228
OR.....							7,574	8,212	8,594
PA.....							87,308	73,583	68,924
RI.....									
SC.....							14,952	14,398	11,719
SD.....									
TN.....							18,800	18,611	15,291
TX.....							49,767	46,368	50,801
UT.....							10,639	8,085	7,827
VT.....									
VA.....							14,022	10,455	8,349
WA.....							17,411	16,568	15,756
WV.....									
WI.....				60,595	51,291	44,914	21,103	21,313	19,646
Other.....				407,590	354,759	436,766	58,922	54,713	53,200
US.....	590,113	525,128	602,647	979,722	874,667	876,636	882,079	831,159	816,077

¹ Preliminary. ² Includes colby, washed curd, high and low moisture jack, Monterey, and granular cheese.
³ Includes full-skim American cheese; excludes cottage cheese.
 National Agricultural Statistics Service.

Table 477.—Dairy products: Quantities manufactured, United States, 1983-90

Product	1983	1984	1985	1986	1987	1988	1989	1990 ¹
	<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	1,299,247	1,108,316	1,247,792	1,202,392	1,104,135	1,207,540	1,295,409	1,302,177
American cheese:								
Whole milk	2,927,716	2,648,459	2,855,230	2,798,160	2,716,659	2,756,577	2,674,075	2,890,767
Part skim	4,115	2,711	2,380	2,051	858	1,050	825	845
Swiss cheese (including block)	209,467	207,958	222,886	227,340	227,241	250,111	231,238	260,737
Munster cheese	69,599	76,046	82,096	88,488	92,629	83,327	91,121	100,132
Brick cheese	14,157	16,032	20,131	20,387	28,939	24,846	17,490	17,337
Limburger cheese	1,149	1,225	1,049	1,119	1,067	975	901	803
Cream and Neufchatel cheese	269,993	276,466	293,769	321,504	342,230	375,878	400,959	430,799
Blue cheese	31,496	34,115	33,433	34,198	35,863	37,789	34,561	36,434
All Italian varieties of cheese	1,200,204	1,318,816	1,491,314	1,632,921	1,799,770	1,987,118	2,042,894	2,208,663
All other varieties of cheese	90,572	92,165	77,742	82,097	99,108	104,302	121,231	114,645
Total of all cheese	4,819,471	4,673,993	5,080,942	5,209,252	5,344,364	5,571,973	5,615,372	6,061,162
Cottage cheese:								
Curd ²	618,162	606,219	598,845	600,122	573,778	556,660	526,913	493,452
Creamed ²	742,506	736,061	715,581	704,819	674,805	647,083	572,263	530,636
Lowfat ²	215,941	229,331	244,390	265,475	270,528	290,854	300,881	301,945
Sweetened condensed milk:								
Bulk goods:								
Skimmed	51,394	51,343	49,551	55,416	57,541	58,530	66,263	44,510
Unskimmed	74,704	66,061	69,481	72,803	78,728	73,946	93,480	105,371
Unsweetened condensed milk (plain, condensed):								
Bulk goods:								
Skimmed	693,832	803,641	841,100	957,039	954,683	966,409	1,079,799	1,131,512
Unskimmed	193,348	238,273	272,044	276,530	292,219	265,119	177,466	144,417
Evaporated and condensed milk:								
Case goods:								
Skimmed	16,038	18,035	20,837	17,673	16,966	22,030	20,169	12,536
Unskimmed	694,185	647,663	635,292	584,426	579,722	590,113	525,128	602,647
Condensed or evaporated buttermilk	51,011	37,899	41,264	41,549	51,908	79,917	40,476	37,427
Dry buttermilk	46,497	43,485	51,523	65,677	55,627	58,679	60,517	55,851
Dry whole milk	111,209	119,622	118,856	122,366	145,861	172,329	175,768	175,129
Nonfat dry milk	1,499,902	1,160,670	1,390,033	1,284,143	1,056,797	979,722	874,667	876,636
Dry skim milk (animal feed)	10,324	7,672	8,262	9,718	19,823	18,730	18,705	23,221
Dry whey	892,164	897,946	986,829	1,031,033	1,097,349	1,136,987	1,069,470	1,143,259
	<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	881,543	894,468	901,449	923,597	928,356	882,079	831,159	816,077
Sherbet (does not include water ices)	47,732	47,488	48,206	49,679	49,998	52,175	52,662	50,278
Ice milk ³	294,913	299,825	301,312	314,673	327,561	354,831	376,507	348,800

¹ Preliminary. ² 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. ³ Includes freezer-made milkshake in most States.

National Agricultural Statistics Service.

Table 478.—Milk cows, milk, and fat in cream: Average prices received by farmers, United States, 1976-90

Year	Milk cows, per head ¹	Milk per 100 pounds ²						Milkfat in cream, per pound ⁴
		Eligible for fluid market ³		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>
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	11.06	3.68	12.02	3.66	119.0
1980.....	1,190.00	13.23	3.65	12.01	3.67	13.05	3.65	(⁵)
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	3.66	.....
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	12.76	3.67	.....
1986.....	820.00	12.62	3.66	11.46	3.68	12.51	3.67	.....
1987.....	920.00	12.66	3.65	11.37	3.66	12.54	3.65	.....
1988.....	990.00	12.36	3.67	11.15	3.68	12.26	3.67	.....
1989.....	1,030.00	13.66	3.68	12.38	3.70	13.56	3.68	.....
1990.....	1,160.00	13.89	3.64	12.34	3.70	13.73	3.64	.....

¹ Simple average of monthly prices, by States, weighted by the number of milk cows on farms Jan. 1 of the current year. ² 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. ³ Milk eligible for fluid market, including surplus diverted to manufacturing. ⁴ Weighted average of monthly prices, by States, weighted by the estimated quantity of fat sold. ⁵ Estimate discontinued.

National Agricultural Statistics Service.

Table 479.—Mellorine-type frozen desserts: Production by States, United States totals, 1976-90

Year	Ala-bama	Arizo-na	Arkan-sas	Calif-ornia	Illi-nois	Louis-i-ana	Mis-souri	Mon-tana	Okla-homa	Or-egon	Texas	United States ¹
	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>	<i>1,000 gal-lons</i>
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.....			523	594	346				103		4,184	8,752
1986.....			267	237	163				64		4,622	8,429
1987.....			602	251	149						4,690	10,110
1988.....												9,989
1989.....												6,976
1990 ²												6,282

¹ Includes several minor producing States which are not shown separately. ² Preliminary.

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, 1989 and 1990 ¹

Federal milk order marketing area	Whole milk items ²				Lowfat and skim milk items ³				Total fluid milk items			
	Quantity		Milkfat test		Quantity		Milkfat test		Quantity		Milkfat test	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
	1,000 pounds	1,000 pounds	Percent	Percent	1,000 pounds	1,000 pounds	Percent	Percent	1,000 pounds	1,000 pounds	Percent	Percent
Alabama-West Florida.....	465,177	441,069	3.27	3.26	460,296	505,362	1.40	1.35	925,472	946,431	2.34	2.24
Black Hills, South Dakota.....	7,906	7,252	3.30	3.30	26,908	28,380	1.77	1.72	34,814	35,633	2.12	2.04
Carolina, N.C.-S.C. ⁴		310,136		3.18		309,405		1.27		619,541		2.23
Central Arizona.....	306,436	296,457	3.28	3.28	509,953	538,544	1.60	1.66	816,389	835,001	2.25	2.20
Central Arkansas.....	115,626	125,421	3.26	3.34	111,782	131,945	1.56	1.57	227,407	257,366	2.42	2.44
Central Illinois.....	46,819	42,485	3.25	3.25	149,328	154,038	1.69	1.67	196,146	196,523	2.07	2.02
Chicago Regional, Ill.-Wis.....	719,291	654,779	3.27	3.28	2,026,660	2,054,630	1.57	1.53	2,745,951	2,709,409	2.02	1.95
Eastern Colorado, Colo.-Kans.....	205,285	192,752	3.30	3.29	486,907	451,811	1.64	1.57	642,193	644,563	2.17	2.09
Eastern Ohio-Western Pa., Ohio-W. Va.-Pa.....	643,794	593,322	3.25	3.25	1,247,412	1,290,265	1.67	1.62	1,891,206	1,884,187	2.21	2.14
Eastern South Dakota, S. Dakota-Iowa-Minn.....	13,532	12,551	3.23	3.19	96,451	98,395	1.57	1.51	109,983	110,947	1.77	1.70
Georgia.....	602,123	550,279	3.26	3.26	557,554	599,408	1.38	1.36	1,159,677	1,149,687	2.35	2.27
Great Basin, Utah-Nev.-Wyo.-Idaho.....	199,982	188,596	3.61	3.42	565,429	600,957	1.72	1.66	765,411	789,553	2.21	2.08
Greater Kansas City, Mo.-Kans.....	161,646	151,704	3.26	3.22	353,044	374,000	1.58	1.53	514,690	525,704	2.10	2.02
Greater Louisiana.....	322,364	297,573	3.33	3.27	240,230	255,449	1.46	1.44	582,594	553,022	2.53	2.42
Indiana, Ind.-Mich. ⁵	284,249	276,711	3.25	3.25	901,904	952,201	1.66	1.63	1,186,154	1,228,911	2.04	2.00
Iowa, Iowa-Ill.-Mo. ⁶	111,112	107,893	3.30	3.28	576,920	577,672	1.49	1.46	688,033	685,564	1.78	1.75
Louisville-Lex.-Evans, Ky.-Ind.....	203,396	185,207	3.27	3.27	455,840	450,305	1.66	1.61	659,236	635,512	2.16	2.09
Lubbock-Plainview, Texas.....	48,940	50,556	3.30	3.27	27,464	31,534	1.46	1.40	76,404	82,090	2.63	2.55
Memphis, Tenn.-Miss.-Ark.....	91,489	87,536	3.27	3.26	116,386	124,693	1.53	1.51	207,875	212,219	2.30	2.23
Michigan Upper Peninsula, Mich.-Wis.....	18,536	15,679	3.25	3.23	83,492	86,076	1.67	1.60	102,029	101,756	1.96	1.85
Middle Atlantic, Del.-D.C.-Md.-N.J.-Pa.-Va.....	1,435,612	1,382,933	3.26	3.26	1,518,638	1,637,958	1.38	1.35	2,954,250	2,970,891	2.30	2.21
Nashville, Tenn.-Ky.....	170,947	163,721	3.29	3.27	201,088	220,582	1.45	1.42	372,035	384,283	2.29	2.21
Nevada.....	108,689	99,555	3.24	3.15	363,912	371,388	1.51	1.47	471,325	469,944	1.91	1.82
New England, Western Iowa, Nebr.-Iowa-S. Dak.....	1,408,622	1,286,286	3.31	3.26	1,317,314	1,415,202	1.20	1.20	2,725,936	2,701,488	2.29	2.18
New Orleans-Mississippi, La.-Miss.....	423,295	393,091	3.30	3.30	328,917	361,557	1.36	1.35	752,212	754,648	2.45	2.36
New York-New Jersey.....	2,998,000	2,618,357	3.36	3.30	1,623,000	1,765,299	1.27	1.27	4,449,000	4,383,656	2.60	2.59
Ohio Valley, Ind.-Ky.-Mich.-Ohio-W. Va.....	581,457	510,984	3.24	3.26	1,248,522	1,286,238	1.70	1.71	1,829,980	1,797,277	2.19	2.15

See footnotes at end of table.

Table 480.—Milk markets under Federal order program: Whole milk and lowfat and skim milk products sold for fluid consumption within defined marketing areas, 1989 and 1990 ¹—Continued

Federal milk order marketing area	Whole milk items ²				Lowfat and skim milk items ³				Total fluid milk items			
	Quantity		Milkfat test		Quantity		Milkfat test		Quantity		Milkfat test	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
	<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>
Pacific Northwest, Wash., Idaho.....	446,281	435,297	3.30	3.24	1,581,771	1,666,470	1.64	1.59	2,028,052	2,101,767	2.01	1.93
Paducah, Ky.-Mo.....	34,459	29,775	3.26	3.26	48,399	48,297	1.60	1.59	82,857	78,072	2.29	2.23
Rio Grande Valley, N. Mex.-Texas-Colo.....	282,491	282,373	3.35	3.37	152,515	160,671	1.52	1.49	435,006	443,044	2.70	2.69
Southeastern Florida.....	539,364	526,730	3.27	3.27	370,013	396,604	1.25	1.22	909,377	923,334	2.45	2.38
Southern Illinois-Eastern Missouri.....	228,518	206,102	3.23	3.22	631,409	648,642	1.61	1.56	859,927	854,744	2.04	1.96
Southern Michigan.....	742,305	672,344	3.25	3.26	1,168,762	1,214,204	1.35	1.33	1,911,068	1,888,548	2.09	2.02
Southwestern Idaho-Eastern Oregon.....	35,812	34,752	3.26	3.22	118,262	125,456	1.73	1.66	154,074	160,208	2.08	2.00
Southwest Plains, Okla.-Kans.-Mo.-Ark.....	582,044	541,561	3.25	3.26	608,141	661,424	1.53	1.49	1,190,184	1,202,985	2.37	2.29
Tampa Bay, Fla.....	375,734	340,597	3.30	3.30	418,955	434,105	1.23	1.20	794,688	774,702	2.21	2.12
Tenn. Val.-Ky.-Va.-W. Va., Ga.....	294,602	265,717	3.28	3.28	425,537	438,566	1.50	1.46	720,140	704,283	2.23	2.15
Texas.....	1,732,102	1,648,903	3.32	3.30	1,287,490	1,417,688	1.39	1.38	3,019,592	3,066,591	2.50	2.41
Texas Panhandle, Texas.....	44,002	40,738	3.29	3.28	23,346	24,240	1.51	1.49	67,848	64,977	2.66	2.61
Upper Florida.....	426,853	422,407	3.27	3.26	430,049	504,603	1.30	1.28	856,901	927,009	2.28	2.18
Upper Midwest, Minn.-Wis.-N.D.-S.D.-Iowa.....	175,885	164,728	3.23	3.19	1,286,099	1,300,967	1.33	1.27	1,461,984	1,465,696	1.56	1.49
Western Colorado.....	17,817	16,071	3.30	3.30	39,171	41,661	1.61	1.59	56,988	57,731	2.14	2.07

¹ 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. ² Plain, flavored, and miscellaneous whole milk products. ³ Plain, fortified, and flavored skim and lowfat milk, buttermilk, and miscellaneous lowfat and skim milk products. ⁴ New marketing area that was formed during the period January 1, 1989–December 31, 1990. Data for 1990 are for September–December. ⁵ Effective January 1, 1990, the Iowa marketing area was expanded to include previously unregulated area in Iowa, Illinois, and Missouri. The data for 1989 have been estimated based on the new marketing area.

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Table 481.—Milk: Supply and

Item	1976	1977	1978	1979
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Milk production	120,180	122,654	121,641	123,350
Net imports of ingredients (milk equivalent) ²	219	228	232	237
Net change in storage cream (milk equivalent) ³	39	-16	-11	24
Total supply	120,438	122,866	121,682	123,611
Utilization (milk equivalent):				
Used in manufactured products:				
Creamery butter, total milk equivalent	21,947	24,396	22,372	22,191
Milk equivalent of butter from whey cream	2,543	2,543	2,660	2,810
Net milk equivalent	19,404	21,853	19,712	19,381
Cheese:				
American	20,581	20,480	20,737	21,856
Other	8,182	8,385	9,180	9,701
Cottage cheese, creamed	1,050	1,056	1,056	1,028
Canned milk:				
Evaporated and sweetened condensed	1,892	1,809	1,725	1,752
Bulk condensed whole milk:				
Unsweetened	435	398	348	381
Sweetened	208	182	186	187
Dry whole milk	554	514	549	627
Ice cream and other frozen dairy products, total milk equivalent	13,722	13,805	13,859	13,767
Milk equivalent of butter and condensed milk used in ice cream	2,099	2,098	2,115	2,088
Net milk equivalent	11,623	11,707	11,744	11,679
Other manufactured products ⁴	744	684	707	912
Total manufactured products	64,673	67,068	65,944	67,504
Available for use in fluid products:				
Sold by dealers	49,990	49,885	49,685	49,884
Sold by producers directly to consumers ⁵	1,512	1,495	1,490	1,489
Total available for fluid products	51,502	51,380	51,175	51,373
Used on farms where produced:				
Fed to calves	1,567	1,541	1,497	1,442
Used for farm-churned butter	1,392	1,283	1,168	1,040
Total used on farms	2,959	2,824	2,665	2,483
Residual ⁶	1,304	1,594	1,898	2,251
Total utilization	120,562	122,866	121,682	123,611

¹ Preliminary. ² Whole milk equivalent (milkfat basis) of net imports of dairy manufacturing ingredients such as frozen cream and butterfat-sugar mixtures. ³ 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. ⁴ 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. (Continued on page 321.)

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Utilization, United States, 1976-90

1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990 ¹
Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pound	Million pounds	Million pounds	Million pounds	Million pounds
128,406	132,770	135,505	139,672	135,450	143,147	143,381	142,709	145,152	144,252	148,284
203	192	273	263	220	254	254	238	212	183	195
-3	11	7	18	-2	-12	16	13	0	-2	-4
128,606	132,973	135,785	139,953	135,668	143,389	143,651	142,960	145,364	144,433	148,475
25,824	27,806	28,352	29,342	24,877	28,079	27,073	24,966	27,116	28,486	29,391
2,998	3,192	3,365	3,554	3,406	3,694	3,799	3,894	4,017	3,961	4,348
22,826	24,614	24,987	25,788	21,471	24,385	23,274	21,072	23,099	24,525	25,043
23,765	26,215	27,540	29,314	26,403	28,556	27,976	27,297	27,571	26,605	28,964
10,160	10,381	11,363	11,692	12,315	13,144	14,263	15,554	16,540	16,943	18,404
1,016	977	950	941	932	917	914	884	857	704	672
1,594	1,669	1,490	1,525	1,419	1,509	1,278	1,272	1,285	1,144	1,332
377	475	543	475	544	656	666	707	640	428	351
147	164	161	173	180	161	169	184	172	215	243
607	686	758	823	880	877	901	1,067	1,263	1,286	1,292
14,010	14,080	14,268	14,720	14,783	15,021	15,451	15,697	15,115	14,600	14,321
2,084	2,116	2,133	2,122	2,123	2,166	2,225	2,241	2,155	2,069	2,014
11,926	11,964	12,135	12,598	12,660	12,855	13,226	13,456	12,960	12,531	12,307
909	821	656	663	488	477	559	452	388	357	332
73,327	77,916	80,583	83,992	77,292	83,537	83,226	81,945	84,775	84,788	88,940
49,385	48,743	48,061	48,494	49,464	50,750	51,460	52,232	53,277	54,235	54,435
1,470	1,472	1,285	1,211	1,141	1,264	1,176	1,197	1,134	1,069	985
50,855	50,215	49,346	49,705	50,605	52,014	52,636	53,429	54,411	55,304	55,370
1,395	1,418	1,521	1,527	2,134	1,747	1,736	1,599	1,620	1,519	1,525
943	886	839	842	804	709	677	659	623	579	523
2,338	2,304	2,361	2,369	2,938	2,456	2,412	2,258	2,242	2,098	2,048
2,086	2,538	3,495	3,887	4,833	5,382	5,377	5,327	3,936	2,293	2,117
128,606	132,973	135,785	139,953	135,668	143,389	143,651	142,960	145,364	144,433	148,475

¹ Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds. ² Includes minor miscellaneous uses and any inaccuracies in production and utilization estimates. ³ Not published separately.

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	Blend price per hundredweight ¹		Class I price per hundredweight		Average number of producers	
	1989	1990	1989	1990	1989	1990
	Dollars	Dollars	Dollars	Dollars	Million pounds	Million pounds
Alabama-West Florida ²	14.56	15.34	15.05	16.06	991	1,134
Carolina, N.C.-S.C. ^{3,4}		14.62		15.47		2,058
Central Arizona ⁵	13.59	14.06	14.47	15.52	135	130
Central Arkansas ⁶	14.32	15.13	14.70	15.79	624	648
Central Illinois ⁷	13.11	13.67	13.57	14.58	236	243
Chicago Regional, Ill.-Wis. ^{8,9}	12.41	12.74	13.36	14.39	19,863	21,789
Eastern Colorado, Col.-Kans. ¹⁰	13.67	14.25	14.68	15.71	615	599
Eastern Ohio-Western Pa., Ohio-Pa.-W. Va. ¹¹	13.16	13.85	13.93	14.99	5,175	4,889
Georgia ¹²	14.51	15.36	15.03	16.17	1,224	916
Great Basin, Utah-Nev.-Wyo. ^{9,13}	13.10	13.47	13.84	14.87	723	747
Greater Kansas City, Mo.-Kans. ^{9,14}	13.13	13.68	13.87	14.95	1,063	958
Greater Louisiana ¹⁵	14.49	15.48	15.24	16.27	663	643
Indiana ¹⁶	13.34	14.07	13.95	14.98	2,566	2,449
Iowa, Iowa-Ill.-Mo. ^{9,17}	12.68	13.05	13.52	14.52	3,693	3,834
Louisville-Lex.-Evans, Ky.-Ind	13.40	14.30	14.04	15.08	2,088	1,693
Lubbock-Plainview, Texas ¹⁸	14.19	14.42	14.45	15.48	54	44
Memphis, Tenn.-Miss.-Ark	14.13	14.78	14.68	15.78	294	279
Michigan Upper Peninsula ^{19,20}	13.10	13.99	13.34	14.30		
Middle Atlantic, Del.-D.C.-Md.-N.J.-Pa.-Va. ²¹	13.71	14.24	14.99	16.00	5,741	5,509
Nashville, Tenn.-Ky	14.00	14.87	14.48	15.48	1,117	1,125
Nebraska-Western Iowa, Nebr.-Iowa-S. Dak. ^{9,22}	12.78	13.14	13.71	14.71	1,961	1,976
New England, Mass.-Conn.-N.H.-R.I.-Vt. ²³	14.13	14.65	15.20	16.22	4,934	4,893
New Orleans-Mississippi, La.-Miss. ²⁴	14.69	15.66	15.80	16.84	1,127	1,132
New York-New Jersey ²⁵	13.62	14.02	15.09	16.11	13,570	13,261
Ohio Valley, Ind.-Ky.-Mich.-Ohio-W. Va. ²⁶	13.29	13.93	14.00	14.98	3,074	3,236
Pacific Northwest, Idaho-Oreg.-Wash. ²⁷	12.95	13.13	13.84	14.87	1,877	1,839
Paducah, Ky.-Mo	13.87	14.73	14.34	15.35	328	330
Rio Grande Valley, N. Mex.-Tex.-Colo. ²⁸	13.48	14.06	14.29	15.33	64	58
Southeastern Florida ²⁹	15.80	16.76	16.14	17.16	136	125
Southern Illinois-Eastern Missouri, Ill.-Mo. ^{9,30}	13.15	13.85	13.84	14.90	2,658	2,443
Southern Michigan ^{9,31}	12.97	13.46	13.70	14.74	4,919	4,897
SW. Idaho-Eastern Oregon ^{9,32}	12.47	12.66	13.44	14.47	296	293
Southwest Plains ³³	13.65	13.98	14.73	15.75	3,374	3,627
Tampa Bay, Fla	15.35	16.21	15.85	16.90	202	186
Tenn. Val., Tenn.-Va.-W. Va.-Ky.-Ga. ³⁴	14.09	14.97	14.74	15.79	1,532	1,516
Texas ³⁵	14.02	14.47	15.23	16.25	2,418	2,371
Upper Florida ³⁶	15.01	16.02	15.49	16.57	149	1,161
Upper Midwest, Minn.-Wis.-N.D.-S.D.-Iowa ^{9,37}	12.08	12.72	13.16	14.17	10,812	9,787

¹ 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. ² Zone 2 (Birmingham). ³ New marketing area that was formed during the period January 1, 1989-December 31, 1990. Data for 1990 are for September-December. ⁴ Charlotte. ⁵ Phoenix. ⁶ Little Rock. ⁷ Peoria. ⁸ Zone I (Chicago). ⁹ Because the blend price adjusted for location was equal to or less than the Class III price in the outer zones of these markets in some months, in 1989 and 1990 handlers elected not to pool milk that normally would have been pooled under those orders. ¹⁰ Denver. Note: Price data are for Eastern Colorado. Other data are a combination of Eastern Colorado and Western Colorado. ¹¹ Cleveland and Pittsburgh. ¹² Atlanta. ¹³ Salt Lake City, Utah. ¹⁴ Kansas City and Topeka. Note: Price data are for Greater Kansas City. Other data are a combination of Greater Kansas City, Eastern South Dakota, and Black Hills. ¹⁵ Monroe and Shreveport. ¹⁶ Indianapolis. ¹⁷ Zone I (Des Moines). ¹⁸ Price data are for Lubbock-Plainview. Other data are a combination of Lubbock-Plainview and Texas Panhandle. ¹⁹ Some of the data were restricted—pertains to fewer than three firms. ²⁰ Zone II (Marquette). ²¹ Philadelphia, Baltimore, and Washington, D.C. Price excludes a 6-cent delivery differential applicable to milk delivered to Philadelphia. ²² 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, 1989 and 1990

Total producer deliveries		Producer deliveries used in Class I		Class I utilization		Daily deliveries per producer		Average fat test	
1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Percent</i>
1,133	1,220	989	939	82.9	81.1	3,179	2,963	3.64	3.55
1,539	950	874	809	57.9	80.9	31,404	3,795		3.72
458	1,628	891	809	81.2	78.9	2,623	34,434		3.63
169	491	387	372	58.4	78.9	1,962	2,611		3.50
13,606	17,410	2,854	2,918	21.4	16.4	1,893	2,184		3.68
1,393	1,366	740	742	53.3	54.2	6,207	6,247		3.69
3,687	3,547	1,927	2,033	55.1	54.3	1,948	1,985		3.72
1,600	1,415	1,086	1,249	78.1	76.7	3,593	4,292		3.64
1,847	1,971	795	779	42.2	40.3	7,018	7,227		3.64
958	878	419	469	48.9	47.7	2,472	2,513		3.67
644	612	493	500	77.7	80.6	2,688	2,633		3.62
1,968	1,976	1,189	1,175	59.7	60.2	2,103	2,212		3.74
2,749	3,084	837	852	31.0	27.1	2,227	2,235		3.63
1,375	1,178	829	911	66.3	70.4	1,800	1,908		3.69
206	244	166	166	80.6	68.1	18,095	25,547		3.56
140	149	104	107	76.3	69.4	2,907	3,020		3.62
5,908	5,899	3,131	3,109	52.6	53.1	2,819	2,934		3.69
835	903	737	654	78.4	81.6	2,055	2,197		3.65
1,744	1,877	618	608	34.9	32.9	2,631	2,697		3.68
497	5,114	5,810	2,811	56.5	55.0	2,763	2,865		3.75
937	894	623	645	68.8	69.8	2,271	2,169		3.61
11,097	11,126	4,485	4,587	41.3	40.3	2,241	2,299		3.69
2,417	2,555	1,453	1,353	56.0	56.9	2,156	2,168		3.69
5,337	5,701	2,039	2,001	37.5	35.8	7,787	8,522		3.72
230	223	173	172	74.5	77.7	1,930	1,853		3.79
596	604	335	344	57.8	55.4	29,268	33,485		3.59
961	1,028	933	868	90.3	90.8	18,540	21,832		3.51
2,264	2,181	1,110	1,246	55.0	50.0	2,326	2,438		3.69
4,448	4,689	1,982	2,046	46.0	42.3	2,479	2,623		3.68
742	1,005	155	145	19.5	15.5	6,837	9,404		3.70
3,227	3,639	1,518	1,428	44.2	41.7	2,628	2,754		3.65
1,120	999	822	946	84.4	82.3	14,774	15,463		3.54
1,326	1,212	898	959	72.3	74.0	2,397	2,191		3.67
5,422	5,882	3,126	3,045	56.2	53.2	6,145	6,805		3.60
734	855	732	620	84.5	85.6	13,318	14,644		3.56
8,079	7,731	1,537	1,577	19.5	19.9	2,103	2,178		3.69

²³ Zone I (Boston). Price at 201-210 mile zone: Class I and blend are 72 cents less. ²⁴ Zone I (New Orleans).
²⁵ New York metropolitan area. Prices at 201-210 mile zone: Class I and blend 59 cents less. ²⁶ Zone 3
(Columbus). ²⁷ Zone 1 (Seattle and Portland). ²⁸ Albuquerque, Santa Fe, and El Paso. ²⁹ Miami.
³⁰ Base zone (Alton). Price at Carbondale (Southern Zone) and St. Louis, 9 cents more. ³¹ Zone I, Detroit. Price
excludes direct delivery differential applicable to milk delivered to Detroit of 10 cents. ³² Boise, Idaho. ³³ Zone
I (Oklahoma City). ³⁴ Bristol, Chattanooga, and Knoxville. ³⁵ Zone I (Dallas). ³⁶ Jacksonville and Tallahas-
see. ³⁷ Zone I (Minneapolis).

Table 483.—Dairy products: Manufacturers' average selling price ¹ of specified products, United States, 1976-90

Year	Unsweetened evaporated milk, per case of 48 1½-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
	Dollars	Cents	Cents		Cents
1976.....	11.88-14.77	63.80	34.60		79.24
1977.....	12.05-15.62	66.65	32.02		80.69
1978.....	(²)	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.....		(³)	(³)		(³)
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
1988.....		76.58	48.11		113.50
1989.....		95.16	64.45		126.03
1990.....		94.29	60.03		126.29

¹ Includes milk sold in bulk and in package. ² Estimate discontinued. ³ Data not available for 1982. National Agricultural Statistics Service.

Table 484.—Dairy products: Manufacturers' stocks, end of month, United States, 1989 and 1990

Month	Evaporated and sweetened condensed whole milk (case goods)		Dry whole milk		Nonfat dry milk (human food)	
	1989	1990	1989	1990	1989	1990
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January.....	59,402	47,967	12,890	17,506	60,402	49,336
February.....	75,113	65,787	10,877	16,177	79,835	56,967
March.....	85,203	84,508	10,063	15,198	84,644	59,181
April.....	90,497	89,460	11,657	17,438	97,943	62,427
May.....	102,591	88,861	10,104	16,051	98,425	70,326
June.....	103,452	97,348	11,439	16,502	71,300	92,604
July.....	116,549	101,144	9,008	14,893	66,671	107,797
August.....	116,654	104,460	8,882	12,165	56,854	122,651
September.....	98,738	101,953	6,240	13,894	44,588	115,267
October.....	69,743	84,246	8,033	11,620	36,149	115,067
November.....	42,759	71,737	9,997	11,350	32,405	114,819
December.....	26,572	58,100	12,967	11,193	49,413	114,575

National Agricultural Statistics Service.

Table 485.—Dairy products: Cold-storage holdings, end of month, United States, 1989 and 1990

Month	Creamery butter		American cheese		Swiss cheese		Total natural cheese ¹	
	1989	1990	1989	1990	1989	1990	1989	1990
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January.....	246,644	269,700	286,115	258,943	10,730	8,121	397,502	358,369
February.....	314,411	293,811	292,998	271,151	10,760	8,237	404,416	374,909
March.....	341,946	335,449	285,692	291,806	10,978	8,242	396,616	395,760
April.....	377,175	358,769	293,178	300,764	11,597	9,121	412,098	413,432
May.....	438,349	399,615	309,126	322,087	11,360	11,213	424,939	441,566
June.....	464,145	419,988	311,496	335,928	11,763	11,506	431,933	465,005
July.....	461,333	420,795	312,017	360,557	11,016	10,750	430,364	484,571
August.....	439,697	427,867	302,264	358,762	11,858	12,141	419,751	475,750
September.....	407,878	412,318	271,432	348,740	10,991	12,804	370,183	459,864
October.....	370,566	413,575	250,112	338,358	9,492	11,831	331,377	445,423
November.....	294,133	407,584	235,206	334,361	8,725	12,716	330,643	437,255
December.....	256,221	416,056	234,785	347,200	7,962	12,049	328,030	457,791

¹ Includes American, Swiss, and other types of natural cheese.

National Agricultural Statistics Service.

Table 486.—Dairy products: Dec. 31 stocks, United States, 1976-90

Year	Butter ^{1 2}	Cheese ^{1 3}	Canned milk ⁴	Dry whole milk	Nonfat dry milk for human consumption ¹
	<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>
1976.....	47,058	478,465	70,677	9,085	485,396
1977.....	134,907	486,031	75,164	5,972	677,886
1978.....	206,930	457,261	70,300	4,393	585,091
1979.....	177,760	512,221	76,955	4,312	485,242
1980.....	304,646	690,730	53,009	5,268	586,770
1981.....	429,134	975,762	46,808	5,953	889,699
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.....	251,789	789,100	50,553	6,692	686,841
1987.....	147,291	460,154	33,914	8,042	177,191
1988.....	214,992	397,706	45,316	12,779	53,077
1989.....	274,832	329,455	27,792	12,967	49,500
1990.....	416,518	457,977	58,818	11,193	161,931

¹ Includes Government holdings. ² Includes butter equivalent of butteroil held by CCC. ³ Excludes cottage and full-skim American cheese. Includes process American cheese held by CCC. ⁴ Includes stock held by CCC.
Economic Research Service.

Table 487.—Fluid milk and cream: Total and per capita consumption, United States, 1976-90¹

Year	Consumption		Year	Consumption	
	Total	Per capita		Total	Per capita
	<i>Billion pounds</i>	<i>Pounds</i>		<i>Billion pounds</i>	<i>Pounds</i>
1976.....	56.6	260	1984.....	56.0	238
1977.....	56.6	258	1985.....	57.3	241
1978.....	56.4	254	1986.....	57.8	241
1979.....	56.3	251	1987.....	57.8	239
1980.....	55.8	246	1988.....	57.4	235
1981.....	55.5	242	1989.....	57.2	232
1982.....	54.6	236	1990.....	57.2	230
1983.....	55.2	236			

¹ Sales of beverage, cream, and specialty fluid products plus farm household use.

Economic Research Service.

Table 488.—Dairy products: Total disappearance, and total and per capita civilian consumption, United States, 1976-90¹

Year	Butter ¹			Cheese ²			Condensed and evaporated milk ³		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds
1976	945	941	4.3	3,417	3,882	15.6	1,192	1,067	4.9
1977	950	946	4.3	3,560	3,522	16.1	1,036	940	4.3
1978	974	969	4.4	3,791	3,747	16.9	1,019	901	4.1
1979	1,016	1,011	4.5	3,909	3,862	17.1	1,028	913	4.1
1980	1,020	1,017	4.5	4,037	3,993	17.5	970	856	3.8
1981	1,107	975	4.2	4,240	4,180	18.2	1,034	932	4.1
1982	1,222	1,010	4.4	4,720	4,622	19.9	1,030	926	4.0
1983	1,269	1,150	4.9	4,906	4,819	20.6	978	895	3.8
1984	1,296	1,163	4.9	5,184	5,077	21.5	968	881	3.7
1985	1,345	1,163	4.9	5,501	5,377	22.5	967	877	3.7
1986	1,171	1,114	4.6	5,660	5,564	23.1	954	878	3.6
1987	1,214	1,132	4.7	5,939	5,851	24.1	976	910	3.7
1988	1,144	1,102	4.5	5,886	5,810	23.7	927	857	3.5
1989	1,240	1,077	4.4	5,959	5,884	23.8	819	753	3.0
1990	1,165	1,093	4.4	6,231	6,164	24.7	828	765	3.1

Year	Ice cream (product weight)			Dry whole milk			Nonfat dry milk (human food)		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds	Million pounds	Million pounds	Pounds
1976	3,928	3,928	17.9	75	33	0.15	911	764	3.5
1977	3,887	3,887	17.5	72	34	.16	917	729	3.3
1978	3,914	3,914	17.4	77	56	.25	1,015	690	3.1
1979	3,893	3,893	17.1	85	66	.30	1,011	740	3.3
1980	3,984	3,984	17.5	82	63	.28	1,065	687	3.0
1981	3,996	3,996	17.4	104	83	.36	1,014	493	2.1
1982	4,090	4,090	17.6	102	84	.38	1,010	492	2.1
1983	4,231	4,231	18.1	111	98	.40	1,378	524	2.2
1984	4,293	4,293	18.2	122	94	.42	1,321	596	2.5
1985	4,327	4,327	18.1	118	106	.44	1,630	540	2.3
1986	4,435	4,435	18.4	122	113	.47	1,610	589	2.4
1987	4,456	4,456	18.4	145	133	.54	1,571	602	2.5
1988	4,234	4,234	17.3	167	143	.58	1,106	633	2.6
1989	3,990	3,990	16.1	176	134	.54	882	526	2.1
1990	3,917	3,917	15.7	177	156	.62	700	655	2.6

¹ 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, and exports, from the total supply. The per capita consumption for each year was obtained by dividing the total apparent consumption by the number of persons. ² Includes all kinds of cheese except cottage and full-skim American. ³ 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.

Economic Research Service.

Table 489.—Dairy products: Average price per pound for specified products, 1968 and 1987-90

Item and market	1968	1987	1988	1989	1990
	<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	1.4172	1.3412	1.2951	1.0346
Grade A (92-score).....	.6668	1.4020	1.3248	1.2793	1.0212
Butter, one-pound prints, wholesale selling prices, California cities:					
Grade AA (93-score).....	.7898	1.6748	1.6097	1.5660	1.3050
Butter, spot cash call prices, ¹ Chicago Mercantile Exchange:					
Grade AA (93-score):					
High.....	.6875	1.5000	1.3700	1.3350	1.0775
Low.....	.6575	1.3050	1.3050	1.0775	.9725
Grade A (92-score):					
High.....	.6850	1.5000	1.3600	1.3250	1.0725
Low.....	.6575	1.3000	1.3000	1.0725	.9625
Cheese, Cheddar, f.o.b. Wisconsin Assembly Points:					
Barrels.....		1.1698	1.1832	1.3456	1.3092
40-pound blocks.....	.4522	1.2321	1.2380	1.3918	1.3669
Cheese, prices ¹ National Cheese Exchange, Inc.: ²					
Cheddar barrels:					
High.....	.4200	1.2000	1.2875	1.5050	1.5050
Low.....	.4025	1.1000	1.0900	1.1200	1.0525
Cheddar, 40-pound blocks:					
High.....	.4400	1.3000	1.3225	1.5450	1.4925
Low.....	.4225	1.1900	1.1400	1.1775	1.0875
Nonfat dry milk, f.o.b. plant, Central States Production Area:					
Extra Grade ³	*.2075	.7908	.7969	1.0550	1.0058
Grade A.....		.8131	.8237	1.1006	1.0594
Whey Powder, f.o.b. plant, Central States Production Area:					
Edible (nonhygroscopic).....		.2351	.1882	.1776	.1444
Used for animal feed (spray process).....		.2128	.1719	.1576	.1288

¹ Prices represent high and low for the year. ² Green Bay, Wisconsin. ³ Average for high and low heat processing. ⁴ Includes Grade A.
Agricultural Marketing Service.

Table 490.—Butter: Production in specified countries, 1988-90

Continent and country	1988	1989	1990 ¹	Continent and country	1988	1989	1990 ¹
	<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:				Eastern Europe:			
Canada.....	105	99	101	Czechoslovakia.....	148	156	157
Mexico.....	32	33	34	Hungary.....	35	38	38
United States.....	547	577	583	Poland.....	293	325	335
Total.....	684	709	718	Romania.....	40	46	42
				Yugoslavia.....	8	9	8
South America:				Total.....	524	574	580
Argentina.....	35	45	40	Soviet Union.....	1,724	1,726	1,730
Brazil.....	65	65	75	Africa:			
Venezuela.....	4	2	3	South Africa.....	15	16	20
Total.....	104	112	118	Asia:			
				India.....	850	880	910
Europe:				Japan.....	68	78	76
Belgium and Luxembourg.....	81	89	91	Total.....	918	958	986
Denmark.....	94	92	93	Oceania:			
France.....	521	518	520	Australia ³	98	96	111
Germany ²	700	711	675	New Zealand ⁴	276	246	276
Greece.....	5	6	6	Total.....	374	342	387
Ireland.....	139	156	151	Grand total.....	6,567	6,707	6,797
Italy.....	71	74	72				
Netherlands.....	214	213	205				
Portugal.....	10	12	13				
Spain.....	27	30	45				
United Kingdom.....	140	130	139				
Total.....	2,002	2,031	2,010				
Austria.....	42	41	40				
Finland.....	61	63	64				
Norway.....	23	26	29				
Sweden.....	61	70	77				
Switzerland.....	35	39	38				
Total.....	222	239	248				

¹ Preliminary.² Includes the former East Germany.³ Year ending June 30.⁴ 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 491.—Cheese: Production in specified countries, 1981-90

Continent and country	1988	1989	1990 ¹	Continent and country	1988	1989	1990 ¹
	<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:				Other Western Europe—			
Canada.....	252	247	250	Con.			
Mexico.....	370	373	384	Norway.....	74	76	76
United States.....	2,527	2,546	2,739	Sweden.....	115	109	109
Total	3,149	3,166	3,373	Switzerland.....	134	137	139
				Total	482	488	493
South America:				Eastern Europe:			
Argentina.....	265	260	275	Czechoslovakia.....	146	152	150
Brazil.....	200	220	200	Hungary.....	54	54	60
Venezuela.....	96	94	82	Poland.....	133	130	123
Total	561	574	557	Romania.....	84	82	87
				Yugoslavia.....	54	51	46
EC:				Total	471	469	466
Belgium and Luxem- bourg.....	37	38	39	Soviet Union	894	900	881
Denmark.....	258	275	293				
France.....	1,378	1,485	1,523	Africa:			
Germany ²	585	610	610	South Africa.....	43	48	48
Greece.....	203	210	200				
Ireland.....	75	74	72	Asia and Oceania:			
Italy.....	737	760	755	Japan.....	26	27	26
Netherlands.....	559	568	594	Australia ³	176	190	175
Portugal.....	44	55	56	New Zealand ⁴	128	128	122
Spain.....	120	123	128	Total	304	318	297
United Kingdom.....	299	280	307				
Total EC	4,295	4,478	4,577	World total	10,489	10,743	10,873
Other Western Europe:							
Austria.....	84	88	89				
Finland.....	75	78	80				

¹ Preliminary. ² Includes the former East Germany. ³ Year ending June 30. ⁴ 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 492.—Dairy products: United States imports by type of product, 1976-90

Year	Dried milk ¹	Cheese				Butter	Casein
		Swiss ²	Cheddar ³	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>
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.....	1,816	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.....	1,301	28,665	4,494	88,824	119,982	905	108,136
1988.....	988	23,306	5,438	85,833	114,577	1,020	73,676
1989.....	1,196	26,495	5,737	94,369	126,601	2,038	81,794
1990 ⁴	810	30,563	6,400	100,123	137,086	2,648	85,119

¹ Includes whole and skimmed milk. ² Includes Emmentaler with eye-formation. ³ Includes colby cheese.

⁴ Preliminary.

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

Table 493.—Dairy products: United States imports by country of origin, 1988-90

Commodity and country of origin	1988	1989	1990 ¹	Commodity and country of origin	1988	1989	1990 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cheese, all types:				Cheese, cheddar: ²			
Canada.....	2,556	2,719	2,483	Canada.....	794	880	1,023
Argentina.....	5,060	5,031	6,193	Austria.....	0	0	0
Austria.....	6,319	7,543	7,156	Ireland.....	39	54	59
Belgium and Luxembourg.....	208	85	25	United Kingdom.....	123	236	245
Denmark.....	9,485	10,149	13,240	Australia.....	1,221	1,284	1,297
Finland.....	8,300	7,692	9,002	New Zealand.....	3,055	3,165	3,457
France.....	8,446	8,726	9,116	Other countries.....	206	118	319
Germany, Fed. Rep. of.....	3,579	2,578	2,725	Total.....	5,438	5,737	6,400
Iceland.....	189	180	224				
Ireland.....	1,629	935	1,293	Cheese, Swiss: ³			
Italy.....	14,238	18,755	20,497	Austria.....	4,847	5,967	5,842
Netherlands.....	5,921	10,376	12,208	Denmark.....	688	2,275	3,609
Norway.....	7,083	7,186	7,316	Finland.....	6,777	6,006	7,323
Portugal.....	3,530	1,152	578	France.....	47	610	1,034
Sweden.....	1,365	1,334	1,094	Germany, Fed. Rep. of.....	364	351	457
Switzerland.....	4,389	4,276	5,742	Iceland.....	105	0	0
United Kingdom.....	974	2,757	8,125	Netherlands.....	117	219	147
Israel.....	870	1,225	1,329	Norway.....	6,663	6,703	7,060
Czechoslovakia.....	153	130	165	Switzerland.....	2,488	2,082	3,343
Hungary.....	1,360	2,315	2,118	Other countries.....	1,211	2,283	1,748
Poland.....	1,361	2,460	1,872	Total.....	23,307	26,496	30,563
New Zealand.....	18,307	17,880	15,302				
Other countries.....	8,755	11,117	9,283				
Total.....	114,577	126,601	137,086				

¹ Preliminary. ² Includes colby cheese. ³ Includes Emmenthaler with eye-formation and Gruyère process cheese.

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

Table 494.—Dairy products: Exports by principal exporting countries, 1988-90

Commodity and country of destination	1988	1989	1990 ¹	Commodity and country of destination	1988	1989	1990 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Butter:				Sweetened condensed milk:			
Belgium Luxembourg.....	164,000	133,000	124,000	United States.....	151	2,455	2,753
Denmark.....	60,000	55,000	50,000	Belgium/Luxembourg.....	n.a.	n.a.	n.a.
France.....	172,000	108,000	105,000	France.....	n.a.	n.a.	n.a.
Germany, Fed. Rep. of.....	256,000	107,000	40,000	Germany, Fed. Rep. of.....	n.a.	n.a.	n.a.
Ireland.....	175,000	156,000	73,000	Netherlands.....	n.a.	n.a.	n.a.
Netherlands.....	469,000	202,000	115,000	Total.....			
United Kingdom.....	119,000	65,000	54,000	Milk, dried whole:			
Australia ²	52,000	52,000	51,000	United States.....	8,394	39,976	5,113
New Zealand ³	240,000	236,000	227,000	Belgium/Luxembourg.....	93,000	117,000	101,000
Total.....	1,707,000	1,114,000	839,000	Denmark.....	86,000	92,000	108,000
Cheese: ⁴				France.....	261,000	354,000	350,000
Denmark.....	195,000	216,000	226,000	Germany, Fed. Rep. of.....	917,000	485,000	350,000
Finland.....	27,000	22,000	25,000	Ireland.....	123,000	160,000	106,000
France.....	298,000	320,000	341,000	Netherlands.....	502,000	416,000	327,000
Germany, Fed. Rep. of.....	265,000	266,000	290,000	United Kingdom.....	153,000	150,000	140,000
Ireland.....	73,000	61,000	62,000	Australia ²	123,000	110,000	140,000
Italy.....	63,000	70,000	75,000	New Zealand ³	342,000	334,000	313,000
Netherlands.....	400,000	420,000	435,000	Total.....	2,608,394	2,257,976	1,940,113
Switzerland.....	60,000	64,000	64,000	Milk, nonfat dry milk:			
Australia ²	74,000	59,000	50,000	Canada.....	59,000	32,000	43,000
New Zealand ³	105,000	94,000	90,000	United States.....	189,000	145,000	10,000
Total.....	1,560,000	1,592,000	1,658,000	Belgium/Luxembourg.....	51,000	85,000	66,000
Evaporated milk:				Denmark.....	5,000	4,000	33,000
United States.....	1,010	11,323	1,180	France.....	52,000	161,000	260,000
Denmark.....	n.a.	n.a.	n.a.	Germany, Fed. Rep. of.....	840,000	383,000	300,000
France.....	n.a.	n.a.	n.a.	Ireland.....	86,000	135,000	93,000
Germany, Fed. Rep. of.....	n.a.	n.a.	n.a.	Netherlands.....	219,000	167,000	112,000
Netherlands.....	n.a.	n.a.	n.a.	United Kingdom.....	83,000	81,000	80,000
United Kingdom.....	n.a.	n.a.	n.a.	Australia ²	75,000	74,000	93,000
Total.....				New Zealand ³	154,000	178,000	160,000
				Total.....	1,813,000	1,445,000	1,250,000

¹ Preliminary. ² Year ending June 30. ³ Year ending May 31. ⁴ 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 495.—Dairy products: United States exports ¹ by country of destination, 1988-90

Commodity and country of destination	1988	1989	1990 ²	Commodity and country of destination	1988	1989	1990 ²
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Butter:				Cheese, all types:			
Bahamas.....	0	66	127	Australia.....	31	67	53
Canada.....	8	3	8	Bahamas.....	198	312	198
Dominican Rep.....	139	6	7	Barbados.....	27	41	13
Egypt.....	0	0	0	Bermuda.....	278	307	297
Jamaica.....	551	15	12	Belize.....	60	68	79
Mexico.....	450	6,342	4,649	Canada.....	1,741	1,983	1,919
Mozambique.....	2	0	0	Cayman Island.....	90	134	60
Poland.....	0	4,168	0	Chile.....	1	2	18
Trust Territory of the Pacific Islands.....	0	0	0	Colombia.....	63	100	143
Iraq.....	5,069	4,526	2,827	Dominican Rep.....	75	96	43
Other countries.....	595	12,016	44,819	Egypt.....	0	0	0
Total ³.....	6,804	27,142	52,449	Haiti.....	137	193	144
				Hong Kong.....	166	136	177

See footnotes at end of table.

Table 495.—Dairy products: United States exports¹ by country of destination, 1988-90—Continued

Commodity and country of destination	1988	1989	1990 ²	Commodity and country of destination	1988	1989	1990 ²
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cheese, all types—Con.				Burkina.....	851	0	0
Indonesia.....	13	60	196	Chad.....	0	0	0
Jamaica.....	66	108	64	Chile.....	1,519	560	0
Japan.....	1,137	2,233	2,432	Egypt.....	1,138	0	0
Korea.....	66	117	214	El Salvador.....	1,409	542	0
Leeward-Windward Is.....	28	49	55	Ethiopia.....	2,686	0	0
Mexico.....	424	623	1,827	Guatemala.....	1,029	27	11
Mozambique.....	0	0	0	Haiti.....	736	4	0
Netherlands.....	23	3	66	India.....	5,486	0	0
Netherland Antilles.....	151	170	186	Indonesia.....	3,696	1,768	0
Panama.....	255	413	245	Iraq.....	12,985	0	553
Peru.....	0	326	0	Jamaica.....	1,547	1,936	191
Poland.....	0	0	0	Kenya.....	0	0	0
Saudi Arabia.....	132	50	196	Mauritania.....	257	0	0
Singapore.....	82	103	237	Mexico.....	83,027	97,746	3,590
South Africa.....	46	82	50	Morocco.....	4,035	0	0
Taiwan.....	42	132	59	Nigeria.....	424	0	16
Trinidad and Tobago.....	96	65	81	Pakistan.....	0	0	0
Trust Territory of the Pacific Islands.....	0	0	2	Peru.....	8,299	20	0
Venezuela.....	14	19	2	Philippines.....	32,908	74	110
Other countries.....	18,565	1,619	2,829	Poland.....	0	0	0
Total.....	24,007	10,111	11,885	Senegal.....	628	306	0
				Somalia.....	0	0	0
Evaporated milk:				South Africa.....	0	0	0
Bahamas.....	0	9	170	Spain.....	1,012	255	20
Haiti.....	363	21	243	Sudan.....	1,555	0	0
Mexico.....	313	9,760	214	Other countries.....	49,493	13,882	3,231
Nigeria.....	0	0	0	Total ³	218,356	117,120	7,722
Trinidad—Tobago.....	0	0	0				
Trust Territory of the Pacific Islands.....	0	0	0	Infants dietary supplements, dry milk base:			
Other countries.....	334	1,533	553	Canada.....	133	309	445
Total.....	1,010	11,323	1,180	Dominican Republic.....	99	137	58
				Bermuda.....	55	89	165
Condensed milk:				Bahamas.....	77	113	193
Bahamas.....	0	6	334	Israel.....	29	2	0
Barbados.....	0	0	5	Mexico.....	0	21	1,548
Belize.....	0	0	174	Panama.....	16	22	34
Bermuda.....	3	0	2	Poland.....	24	18	0
Hong Kong.....	10	6	7	Peru.....	0	0	2
Mexico.....	9	1,870	1,178	Taiwan.....	110	276	54
Netherlands Antilles.....	13	17	26	Hong Kong.....	1,002	1,150	203
Trust Territory of the Pacific Islands.....	0	0	0	Malaysia.....	126	40	0
Other countries.....	116	556	1,027	Italy.....	3	1	0
Total.....	151	2,455	2,753	Spain.....	22	3	31
				Singapore.....	55	23	8
Milk, nonfat dry:				United Kingdom.....	57	9	0
Angola.....	0	0	0	Australia.....	122	87	86
Austria.....	0	0	0	El Salvador.....	35	20	3
Bolivia.....	3,636	0	0	Soviet Union.....	87	0	176
Brazil.....	0	0	0	Iraq.....	852	7	0
				Other countries.....	856	1,755	1,598
				Total ³	3,760	4,082	4,604

¹ Excludes exports for relief. ² Preliminary. ³ Totals may not add due to rounding.

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

Table 496.—Dairy products: Price-support operations, United States, 1976-90

Marketing year ¹	Manufacturing milk			Butterfat ²	Product purchase price per pound ⁴			Product purchases ⁸			
	Support level		Average price received by farmers per cwt.		Butter ⁵	Cheddar cheese ⁶	Nonfat milk, spray process ⁷	Quantity		Percentage of milk and cream marketed by farmers	
	At National Average Milkfat test, per cwt.	Percentage of parity equivalent price ²		Milkfat content				Nonfat solids content	Milkfat content	Nonfat solids content	
	Dollars	Percent	Dollars	Cents	Cents	Cents	Cents	Mil-lion pounds	Mil-lion pounds	Percent	Percent
1976	8.13	80	8.52	¹⁵ 83.4	85.817	¹⁴ 90.50	62.4	126	213	2.9	2.1
(¹⁶)	8.26 (9.00)	81 (82)	(8.65)		¹⁴ 90.817 (100.71)	¹⁴ 92.50 (98.00)				(6.2)	(6.9)
1977 ¹	9.00	82	9.30	¹⁵ 92.0	100.71	98.00	68.0	125	343	2.9	3.4
	9.43	86			106.71	103.25	71.0				
1978	9.87	80	10.86	¹⁵ 102.0	111.30	106.0	73.75	44	202	1.0	2.0
	10.76	87			121.80	116.0	79.0				
1979	11.49	80	11.75	¹⁵ 119.0	131.33	124.0	84.0	301	679	6.7	6.3
	12.36	86			140.58	132.5	89.5				
1980	13.10	80	12.71		149.00	139.5	94.0	461	928	9.9	8.3
1981	13.49	75	12.66		153.00	143.25	96.5	508	1,104	10.5	9.7
	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	12.60	62			143.25	134.75	91.0				
	12.60	59	12.13		143.25	134.75	91.0	420	974	8.4	8.3
1984	11.60	54			139.75	124.00	80.75				
	11.60	55	11.41		139.75	²⁴ 125.00	80.75				
1985	11.60	54			139.75	125.00	80.75				
1986	11.35	53	11.58		²⁸ 137.75	²⁵ 122.50	²⁸ 78.75				
	11.10	51			135.75	120.00	76.75				
1987	10.60	49	11.03		²⁶ 132.00	²⁶ 115.25	²⁶ 72.75				
	10.60	47			132.00	115.25	72.75				
1988	11.10	49			132.00	120.50	79.0				
	10.60	47	11.93		²⁷ 120.50	115.50	79.0				
	10.60	45			120.50	111.00	79.0				
1989	10.10	43			²⁸ 109.25	111.00	85.0				
	10.10	42	10.31		98.25						
1990	10.10	42			98.25						

¹ Marketing year changed from April-March to October-September on Oct. 1, 1977. ² Percentage of the parity equivalent price for manufacturing milk and the parity price for butterfat as of the beginning of the marketing year. ³ 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. ⁴ Announced purchase prices for products in bulk containers. ⁵ 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. ⁶ U.S. Grade A or higher, standard moisture basis. ⁷ 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. ⁸ 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. ⁹ Effective Jan. 10, 1971. ¹⁰ Effective Mar. 15, 1973. ¹¹ Effective Aug. 10, 1973. ¹² Effective Jan. 4, 1975. ¹³ Effective Oct. 2, 1975. ¹⁴ Effective Oct. 1, 1976. ¹⁵ Calendar year average, discontinued after 1979. ¹⁶ Transition period. ¹⁷ Effective Apr. 1, 1978 (80 percent of parity as of that date). ¹⁸ Effective Apr. 1, 1979 (78 percent of parity as of that date). ¹⁹ Effective Apr. 1, 1980 (79 percent of parity as of that date). ²⁰ Effective Oct. 21, 1981. ²¹ Effective Dec. 1, 1983. ²² Effective Apr. 1, 1985. ²³ Effective July 1, 1985. ²⁴ Effective Dec. 23, 1985. ²⁵ Effective Dec. 28, 1983. ²⁶ Effective Jan. 1, 1987. ²⁷ Effective Apr. 1, 1989. ²⁸ Effective July 1, 1989. ²⁹ Effective Jan. 1, 1990.

Agricultural Stabilization and Conservation Service.

Table 497.—Dairy products: United States exports ¹ by type of product, 1976-90

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>
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	167	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.....	7,474	19,560	1,227	1,121	3,477	299,529
1988.....	6,804	13,602	1,010	2,467	8,394	218,356
1989.....	27,142	10,111	11,323	2,455	39,976	117,120
1990 ²	52,449	11,885	1,180	2,753	5,113	7,722

¹ Excludes exports for relief and charity. ² Preliminary.

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

Table 498.—Chickens: Number and value, United States, Dec. 1, 1976-90 ¹

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>
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.....	124,743	161,021	41,028	44,457	6,478	377,727	1.87	706,131
1988.....	122,834	152,613	38,738	40,859	6,061	356,105	2.04	726,442
1989.....	118,336	152,728	35,768	43,414	5,988	356,234	2.16	770,822
1990 ²	118,565	153,066	34,556	39,033	6,555	351,775	2.29	805,831

¹ Does not include commercial broilers. ² Preliminary.

National Agricultural Statistics Service.

Table 499.—Chickens: Hens and pullets of laying age, by States, Dec. 1, 1988–90

State	Hens and pullets of laying age								
	Hens			Pullets			Total		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>	<i>Thous-</i> <i>sands</i>
AL.....	4,270	3,795	3,700	5,695	5,800	5,845	9,965	9,595	9,545
AK.....	3	2	1	1	2	3	4	4	4
AZ.....	200	215	200	100	100	60	300	315	260
AR.....	6,138	6,566	5,637	7,955	9,029	9,718	14,093	15,595	15,355
CA.....	18,400	18,400	17,200	13,400	12,200	11,800	31,800	30,600	29,000
CO.....	1,570	1,100	2,002	1,605	2,026	1,385	3,175	3,126	3,387
CT.....	2,611	1,590	1,489	1,590	1,846	2,120	4,201	3,436	3,609
DE.....	193	247	105	415	479	538	608	726	643
FL.....	7,510	6,050	5,240	3,830	4,710	5,995	11,340	10,760	11,235
GA.....	5,947	8,355	5,431	12,240	9,649	12,578	18,187	18,004	18,009
HI.....	633	698	644	372	289	293	1,005	987	937
ID.....	465	425	485	405	305	305	870	730	790
IL.....	1,190	1,160	1,590	2,000	1,990	1,500	3,190	3,150	3,090
IN.....	6,300	4,850	8,170	15,650	16,476	12,341	21,950	20,826	20,511
IA.....	3,500	4,630	3,800	4,700	3,540	4,800	8,200	8,170	8,600
KS.....	550	950	1,000	1,120	775	630	1,670	1,725	1,630
KY.....	850	800	660	960	927	1,000	1,810	1,727	1,660
LA.....	740	550	620	640	660	650	1,380	1,210	1,270
ME.....	2,737	1,379	1,381	1,973	2,640	2,632	4,710	4,019	4,013
MD.....	1,054	1,262	720	2,484	2,338	2,557	3,538	3,600	3,277
MA.....	417	338	323	541	521	560	958	859	883
MI.....	2,200	2,000	1,950	3,600	3,600	3,450	5,800	5,600	5,400
MN.....	4,500	4,000	4,900	4,500	5,500	5,300	9,000	9,500	10,200
MS.....	2,918	2,671	2,828	2,387	2,282	3,255	5,305	5,553	6,083
MO.....	3,100	2,700	3,000	2,800	3,800	3,550	5,900	6,500	6,550
MT.....	285	271	244	405	399	336	690	670	580
NE.....	1,740	2,325	2,615	1,840	2,155	2,495	3,580	4,480	5,110
NV.....	9	8	9	4	5	2	13	13	11
NH.....	102	51	50	108	134	132	210	185	182
NJ.....	735	550	610	965	1,150	1,290	1,700	1,700	1,900
NM.....	605	715	670	477	472	533	1,082	1,187	1,203
NY.....	1,600	1,700	1,350	2,550	2,100	2,350	4,150	3,800	3,700
NC.....	4,710	5,600	6,400	9,700	7,830	6,115	14,410	13,430	12,515
ND.....	132	60	56	108	155	154	240	215	210
OH.....	7,000	8,400	8,800	10,450	8,400	8,900	17,450	16,800	17,700
OK.....	1,540	1,835	1,725	2,465	1,795	2,000	4,005	3,630	3,725
OR.....	1,460	1,680	1,465	1,040	980	1,100	2,500	2,660	2,565
PA.....	6,700	6,200	5,020	13,300	13,250	13,690	20,000	19,450	18,710
RI.....	128	62	43	53	136	93	181	198	136
SC.....	2,030	1,270	2,268	3,145	4,115	3,447	5,175	5,385	5,715
SD.....	640	430	720	630	1,130	1,480	1,270	1,560	2,200
TN.....	730	600	355	1,000	650	765	1,730	1,250	1,120
TX.....	7,100	5,450	5,575	6,600	8,400	8,425	13,700	13,850	14,000
UT.....	1,237	1,166	953	631	613	905	1,868	1,779	1,858
VT.....	44	43	31	121	90	82	165	133	113
VA.....	1,748	1,521	1,328	1,919	2,137	2,027	3,667	3,658	3,355
WA.....	2,768	2,885	2,591	2,106	1,844	2,372	4,874	4,729	4,963
WV.....	271	200	185	196	300	520	467	500	705
WI.....	1,515	1,075	2,420	1,830	2,400	985	3,345	3,475	3,405
WY.....	9	6	6	7	4	3	16	10	9
US.....	122,834	118,336	118,565	152,613	152,728	153,066	275,447	271,064	271,681

¹ Preliminary.
National Agricultural Statistics Service.

Table 500.—Chickens: Pullets not of laying age, and other chickens, by States, Dec. 1, 1988-90

State	Pullets 3 months old and older not of laying age			Pullets under 3 months old			Other chickens		
	1988	1989	1990 ¹	1988	1989	1990 ¹	1988	1989	1990 ¹
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
AL.....	1,855	2,045	2,398	2,075	2,275	1,998	775	830	859
AK.....	1	1	0	0	0	0	0	0	1
AZ.....	3	2	3	1	0	3	6	3	4
AR.....	3,113	3,138	2,400	3,198	3,200	3,817	1,081	1,034	1,222
CA.....	2,200	2,200	2,500	2,600	2,800	2,790	200	200	210
CO.....	310	193	297	498	297	618	3	43	70
CT.....	754	600	610	650	600	615	8	11	11
DE.....	235	181	185	76	95	166	67	67	69
FL.....	1,260	1,260	1,360	1,160	970	1,400	130	100	110
GA.....	1,981	3,478	2,222	2,606	3,838	2,480	813	960	955
HI.....	135	132	107	77	97	139	0	0	0
ID.....	245	183	160	156	188	161	9	9	9
IL.....	340	230	300	200	380	360	30	30	40
IN.....	2,450	2,700	2,320	3,350	3,590	2,619	50	34	50
IA.....	1,150	1,490	1,660	870	2,160	1,490	80	80	50
KS.....	250	125	158	320	275	162	10	15	10
KY.....	70	90	375	330	240	115	40	43	50
LA.....	330	335	300	295	345	370	95	110	120
ME.....	874	196	204	835	1,249	700	6	4	16
MD.....	241	390	636	970	461	521	72	84	89
MA.....	38	56	95	182	138	107	24	20	20
MI.....	570	650	465	1,000	730	720	30	20	15
MN.....	1,000	1,315	1,680	1,645	1,835	1,365	55	50	55
MS.....	1,050	1,320	1,256	1,332	1,538	1,688	416	395	426
MO.....	830	530	450	1,100	900	910	70	70	90
MT.....	84	92	77	131	124	100	5	4	3
NE.....	185	270	375	370	495	710	15	5	5
NV.....	2	2	1	1	1	1	1	1	1
NH.....	50	61	22	46	17	45	3	3	2
NJ.....	25	90	30	120	105	10	5	5	5
NM.....	123	114	75	112	106	147	3	3	5
NY.....	410	520	470	470	750	650	20	30	30
NC.....	2,535	2,750	3,250	2,950	2,700	2,700	760	740	800
ND.....	7	16	11	4	5	5	4	4	4
OH.....	2,740	2,200	1,200	2,780	2,800	2,100	30	20	20
OK.....	350	445	270	400	585	605	145	140	150
OR.....	60	350	385	470	120	175	20	20	15
PA.....	1,560	1,950	1,810	2,710	2,270	1,970	130	130	110
RI.....	39	2	2	21	6	2	1	0	0
SC.....	740	475	790	1,055	730	530	80	70	90
SD.....	95	72	134	131	195	64	4	3	2
TN.....	150	260	180	130	90	220	60	80	80
TX.....	1,490	1,425	1,370	2,500	2,135	1,390	510	340	440
UT.....	202	158	273	186	193	208	4	3	1
VT.....	35	6	14	16	11	11	1	2	2
VA.....	504	691	626	433	687	630	167	105	136
WA.....	609	548	579	590	537	855	12	12	32
WV.....	112	160	170	116	120	50	35	30	40
WI.....	345	270	300	490	430	540	25	25	30
WY.....	1	1	1	1	1	1	1	1	1
US.....	33,738	35,768	34,556	40,859	43,414	39,033	6,061	5,988	6,555

¹ Preliminary.

National Agricultural Statistics Service.

Table 501.—Chickens: Number, value per head, and total value, by States, Dec. 1, 1988-90¹

State	Number			Value per head			Total value		
	1988	1989	1990 ²	1988	1989	1990 ²	1988	1989	1990 ²
	<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.....	14,670	14,745	14,800	2.90	3.45	3.70	42,543	50,870	54,760
AK.....	5	5	5	4.60	4.50	4.60	23	23	23
AZ.....	310	320	270	1.60	2.40	2.60	496	768	702
AR.....	21,435	22,967	22,794	3.60	3.70	4.00	77,166	84,978	91,176
CA.....	36,800	35,800	34,500	1.60	1.95	1.80	58,880	69,810	62,100
CO.....	3,986	3,659	4,372	1.60	2.25	1.80	6,378	8,233	7,870
CT.....	5,613	4,647	4,845	1.90	2.15	1.90	10,665	9,991	9,206
DE.....	986	1,069	1,063	5.00	4.35	5.10	4,930	4,650	5,421
FL.....	13,890	13,090	14,105	1.55	1.75	1.70	21,530	22,908	23,979
GA.....	23,587	26,280	23,666	2.60	2.70	2.80	61,326	70,956	66,265
HI.....	1,217	1,216	1,183	2.80	2.40	2.40	3,408	2,918	2,839
ID.....	1,280	1,110	1,120	1.40	1.65	1.40	1,792	1,832	1,568
IL.....	3,760	3,790	3,790	1.55	1.55	1.50	5,828	5,875	5,685
IN.....	27,800	27,150	25,500	1.25	1.25	1.30	34,750	33,998	33,150
IA.....	10,300	11,900	11,800	1.75	1.45	1.60	18,025	17,255	18,880
KS.....	2,250	2,140	1,960	1.15	1.20	1.50	2,588	2,568	2,940
KY.....	2,250	2,100	2,200	1.90	1.70	2.10	4,275	3,570	4,620
LA.....	2,100	2,000	2,060	2.25	2.95	2.40	4,725	5,900	4,944
ME.....	6,425	5,468	4,933	2.25	1.90	2.20	14,456	10,389	10,853
MD.....	4,821	4,535	4,523	2.65	4.35	4.40	12,776	19,727	19,901
MA.....	1,202	1,073	1,105	1.85	1.75	1.80	2,224	1,878	1,989
MI.....	7,400	7,000	6,600	1.55	1.35	1.60	11,470	9,450	10,560
MN.....	11,700	12,700	13,300	1.45	1.65	1.80	16,965	20,955	23,940
MS.....	8,103	8,806	9,453	3.15	2.90	3.60	25,524	25,537	34,031
MO.....	7,900	8,000	8,000	1.60	1.55	1.70	12,640	12,400	13,600
MT.....	910	890	760	2.30	2.55	2.30	2,093	2,270	1,748
NE.....	4,150	5,250	6,200	1.95	2.20	2.70	8,098	11,550	16,740
NV.....	17	17	14	3.20	2.75	2.40	54	47	34
NH.....	309	266	251	2.20	2.25	1.90	680	599	477
NJ.....	1,850	1,900	1,945	2.45	2.55	2.30	4,533	4,845	4,474
NM.....	1,320	1,410	1,430	1.40	1.70	1.70	1,848	2,397	2,431
NY.....	5,050	5,100	4,850	1.85	1.95	2.00	9,343	9,945	9,700
NC.....	19,755	19,620	19,265	3.10	2.75	3.30	61,241	53,955	63,575
ND.....	255	240	230	2.20	2.10	2.10	561	504	483
OH.....	23,000	21,820	21,020	1.30	1.25	1.30	29,900	27,275	27,326
OK.....	4,900	4,800	4,750	3.15	2.85	3.40	15,435	13,680	16,150
OR.....	3,050	3,150	3,140	1.60	2.05	1.80	4,880	6,458	5,652
PA.....	24,400	23,800	22,600	1.70	1.75	1.60	41,480	41,650	36,160
RI.....	242	206	140	1.95	2.20	2.60	472	453	364
SC.....	7,050	6,660	7,125	2.05	1.95	1.70	14,453	12,987	12,113
SD.....	1,500	1,830	2,400	1.65	1.85	2.20	2,475	3,386	5,280
TN.....	2,070	1,680	1,600	1.25	1.45	3.00	2,588	2,436	4,800
TX.....	18,200	17,750	17,200	1.75	1.85	2.20	31,850	32,838	37,840
UT.....	2,260	2,133	2,340	1.65	1.60	1.90	3,729	3,413	4,446
VT.....	217	152	140	2.20	1.75	2.30	477	266	322
VA.....	4,771	5,141	4,747	3.20	3.60	4.00	15,267	18,508	18,988
WA.....	6,085	5,826	6,429	1.65	2.00	2.00	10,040	11,652	12,858
WV.....	730	810	965	3.25	4.55	4.00	2,373	3,686	3,860
WI.....	4,205	4,200	4,275	1.70	2.05	2.10	7,149	8,610	8,978
WY.....	19	13	12	2.65	2.95	2.50	50	38	30
US.....	356,105	356,234	351,775	2.04	2.16	2.29	726,442	770,822	805,831

¹ Excludes commercial broilers. ² Preliminary.
National Agricultural Statistics Service.

Table 502.—Total poultry meat: Production in specified countries, 1988–90

Continent and country	1988	1989	1990 ¹
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:			
Canada.....	656	659	701
Mexico.....	592	635	700
United States.....	9,426	10,106	18,878
Total.....	10,674	11,399	12,279
Central America:			
Guatemala.....	78	83	94
South America:			
Argentina.....	370	315	335
Brazil.....	1,997	2,139	2,416
Venezuela.....	373	253	225
Total.....	2,740	2,707	2,976
Europe:			
Belgium and Luxembourg.....	186	179	181
Denmark.....	117	128	131
France.....	1,434	1,550	1,651
Germany ²	576	603	599
Greece.....	150	154	160
Ireland.....	59	60	.....
Italy.....	996	1,025	1,069
Netherlands.....	485	491	525
Portugal.....	205	207	213
Spain.....	829	831	836
United Kingdom.....	1,056	1,070	1,087
Total EC.....	5,928	6,298	6,512
Austria.....	75	75	78
Finland.....	28	31	33
Sweden.....	47	47	47
Switzerland.....	31	33	33
Total other Western Europe.....	181	186	191
Bulgaria.....	183	198	200
Czechoslovakia.....	211	211	211
Hungary.....	465	420	426
Poland.....	351	348	328
Romania.....	370	365	425
Yugoslavia.....	330	320	295
Total Eastern Europe.....	1,910	1,867	1,885
Soviet Union.....	3,184	3,300	3,300
Africa:			
Egypt.....	279	254	235
South Africa.....	545	552	563
Total Africa.....	824	806	798
Middle East:			
Iraq.....	235	225	200
Israel.....	178	171	173
Kuwait.....	20	21	18
Saudi Arabia.....	248	240	265
Syria.....	80	85	90
Turkey.....	236	254	269
United Arab Emirates.....	14	14	14
Yemen.....	80	85	87
Total.....	1,091	1,095	1,116
India.....	221	289	334
China.....	2,744	2,840	3,229
Hong Kong.....	35	34	32
Japan.....	1,471	1,482	1,451
Korea, Republic of.....	153	158	175
Philippines.....	235	263	279
Singapore.....	63	58	56
Taiwan.....	418	462	476
Thailand.....	511	553	595
Other Asia.....	5,630	5,850	6,293
Australia.....	401	406	419
New Zealand.....	50	55	62
Oceania.....	451	461	481
Grand total.....	33,077	34,341	36,259

¹ Preliminary. ² Includes the former East Germany.

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 503.—Chickens: Lost, sold, and value of sales, 1990 (preliminary) ¹

State	Number lost ²	Number sold	Pounds sold	Price per pound	Value of sales
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	1,450	9,800	53,900	14.8	7,977
AK.....	1	6	30	(³)	(³)
AZ.....	43	165	660	6.0	40
AR.....	2,400	13,200	85,540	6.0	11,805
CA.....	3,600	20,000	82,000	6.0	4,920
CO.....	390	2,080	9,360	12.0	1,123
CT.....	317	934	4,670	6.0	280
DE.....	106	694	4,997	10.0	500
FL.....	1,800	7,400	41,440	6.0	2,486
GA.....	2,470	14,200	79,520	13.0	10,338
HI.....	146	412	1,442	14.2	205
ID.....	126	393	1,533	5.1	78
IL.....	400	2,100	12,180	5.9	719
IN.....	2,900	13,200	63,700	6.2	3,949
IA.....	1,300	7,500	26,250	5.6	1,470
KS.....	120	700	3,430	15.0	515
KY.....	300	1,400	4,760	6.0	286
LA.....	220	1,000	5,700	8.8	502
ME.....	279	4,947	24,735	6.0	1,484
MD.....	407	3,456	23,846	10.0	2,385
MA.....	74	596	3,159	6.0	190
MI.....	520	4,100	19,270	8.0	1,542
MN.....	1,300	6,000	21,600	7.1	1,534
MS.....	900	5,200	36,400	11.7	4,259
MO.....	960	4,000	16,000	7.0	1,120
MT.....	74	645	2,580	4.5	116
NE.....	595	1,345	8,608	4.0	344
NV.....	5	4	16	6.3	1
NH.....	11	222	1,110	6.0	67
NJ.....	180	1,100	4,290	8.0	343
NM.....	102	625	2,500	2.3	58
NY.....	550	3,900	15,210	6.1	928
NC.....	2,000	12,000	87,600	14.2	12,439
ND.....	100	200	720	7.3	53
OH.....	1,520	10,300	37,080	6.0	2,225
OK.....	530	2,800	23,520	13.8	3,246
OR.....	325	1,400	7,000	2.0	140
PA.....	2,100	15,600	71,760	10.3	7,391
RI.....	14	121	605	6.0	36
SC.....	700	3,400	15,300	9.3	1,423
SD.....	200	720	2,880	8.0	230
TN.....	185	1,110	4,884	12.8	625
TX.....	1,600	8,950	32,220	7.1	2,288
UT.....	160	1,190	4,760	2.1	100
VT.....	8	89	445	6.0	27
VA.....	229	2,576	9,016	14.5	1,307
WA.....	590	3,600	13,320	2.0	266
WV.....	42	600	2,280	14.2	324
WI.....	370	2,100	7,770	11.0	855
WY.....	5	5	23	5.0	1
US.....	34,724	208,085	981,619	9.6	94,540

¹ Estimates cover the 12-month period, Dec. 1, previous year through Nov. 30 and excludes broilers. ² Includes death and other losses during the 12-month period. ³ Discontinued in 1989.

National Agricultural Statistics Service.

Table 504.—Chickens: Production, disposition, cash receipts, and gross income, United States, 1976-90 ¹

Year	Number				
	Raised	Lost ²	Produced ³	Consumed on production units	Sold
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
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 ⁴	298,260	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	9,845	236,710
1984.....	288,698	46,369	242,469	8,677	224,829
1985.....	.....	37,552	.....	.....	220,395
1986.....	.....	36,270	.....	.....	218,238
1987.....	.....	36,639	.....	.....	217,688
1988.....	.....	37,202	.....	.....	224,458
1989.....	.....	35,975	.....	.....	199,032
1990 ⁵.....	.....	34,724	.....	.....	208,085

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>
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 ⁴	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	1,066,652	15.9	169,526	169,732	5,488	175,220
1985.....	.....	.....	1,025,146	14.8	151,682	.....	.....	.....
1986.....	.....	.....	1,025,716	12.5	127,730	.....	.....	.....
1987.....	.....	.....	1,018,400	11.0	111,827	.....	.....	.....
1988.....	.....	.....	1,038,817	9.2	95,294	.....	.....	.....
1989.....	.....	.....	926,525	14.9	138,421	.....	.....	.....
1990 ⁵.....	.....	.....	981,619	9.6	94,540	.....	.....	.....

¹ Excludes broiler production. ² Loss during year. ³ The quantity available for utilization during the year, i.e., sales plus home consumption plus or minus the change in inventory. ⁴ Included are layers destroyed because of possible PCB contamination. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 505.—Chickens and turkeys: Participation in the National Poultry and Turkey Improvement Plans, by States 1989¹

State	National Poultry Improvement Plan				National Turkey Improvement Plan			
	Hatcheries		Supply flocks		Hatcheries		Supply flocks	
	Number	Egg capacity	Flocks	Birds	Number	Egg capacity	Flocks	Birds
	Thousands	Number	Thousands		Thousands	Number	Thousands	
AL.....	51	86,466	617	9,822				
AZ.....			18	(²)				
AR.....	40	37,897	474	7,358	2	1,205	25	179
CA.....	3	(²)	14	105	7	(²)	125	796
CO.....	2	1	11	(²)	2	330	6	91
CT.....	5	1,856	180	344				
DE.....	3	11,361	24	86				
FL.....	34	14,328	158	2,215	2	170		
GA.....	35	66,752	590	7,842	1	400		
ID.....	2	1,158	3	96				
IL.....	85	1,385	306	227	1	400	4	48
IN.....	25	9,145	184	789	3	824	18	71
IA.....	27	4,977	104	386	2	295	5	21
KS.....	24	1,459	277	29	3	519	13	36
KY.....	6	1,424	16	102				
LA.....	6	8,273	167	852				
ME.....	2	790	98	213	1	(³)		
MD.....	17	28,101	491	524	2	33	3	(³)
MA.....	3	544	182	60			3	2
MI.....	3	1,795	11	71	1	846	4	50
MN.....	58	9,137	148	507	9	10,251	100	923
MS.....	81	33,748	367	4,389				
MO.....	17	5,097	304	120	5	4,020	74	435
MT.....	3	19	10	13				
NE.....	11	1,106	52	19			2	17
NH.....	1	1,200	44	84	1	58	3	1
NJ.....	14	64	28	21	1	62	3	(³)
NM.....	4	709	8	22	2	330		
NY.....	131	2,825	245	143				
NC.....	36	58,190	1,019	9,403	8	6,841	175	1,432
ND.....	2	96	4	4				
OH.....	10	2,495	256	435	3	2,718	48	375
OK.....	27	8,945	1,178	901	2	307		
OR.....	10	5,393	30	76	3	405	4	20
PA.....	30	16,921	127	843	2	120	2	(³)
RI.....			21	1	1	20	1	(³)
SC.....	8	5,863	92	749	1	1,572	15	90
SD.....	26	854	37	34	1	10		
TN.....	16	929	65	252				
TX.....	21	9,095	129	532	2	646	26	285
UT.....	1	500	2	10	2	810	3	40
VT.....			18	1				
VA.....	5	10,271	206	2,185	3	1,923	42	289
WA.....	5	2,059	31	130			4	28
WV.....	2	2,058	2	(³)	1	215	2	49
WI.....	37	3,414	45	263	3	976	23	134
US.....	939	451,031	8,393	51,438	77	37,420	733	5,413

¹ Year beginning July 1, 1989. ² Not reported. ³ Less than 1,000 birds.

Animal and Plant Health Inspection Service.

Table 506.—Chickens: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1976-90

Year	Production			Com- mercial storage at begin- ning of year	Exports	Com- mercial storage at end of year	Consumption	
	Com- mercial broilers	Other chickens	Total ¹				Total ^{1 3}	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>
1976.....	9,067	684	9,752	115	323	155	9,889	43.1
1977.....	9,418	700	10,118	155	349	139	9,785	44.4
1978.....	10,129	665	10,794	139	361	102	10,469	47.0
1979.....	11,219	731	11,950	102	438	142	11,471	51.0
1980.....	11,853	756	12,609	142	620	137	11,494	50.5
1981.....	11,985	757	12,743	137	763	149	11,967	52.0
1982.....	12,167	744	12,912	149	525	185	12,401	53.3
1983.....	12,400	717	13,117	135	450	113	12,690	54.1
1984.....	13,016	671	13,687	113	433	139	13,227	56.0
1985.....	13,732	634	14,366	139	438	171	13,896	58.3
1986.....	14,323	631	14,954	171	538	187	14,356	59.7
1987.....	15,597	638	16,235	187	767	213	15,442	63.6
1988.....	16,187	633	16,820	213	791	193	16,049	65.5
1989.....	17,424	568	17,992	193	838	227	17,119	69.2
1990 ²	18,660	588	19,248	227	1,168	250	18,057	72.2

¹ Totals may not add due to rounding. ² Preliminary. ³ Shipments to territories now included in total consumption.

Economic Research Service.

Table 507.—Chickens: Broiler production and value, United States, 1976-90 ¹

Year	Production		Price per pound ²	Value of produc- tion ³	Year	Production		Price per pound ²	Value of produc- tion ³
	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>
1976 ⁴	3,273,556	12,481,136	23.6	2,945,058	1984.....	4,283,020	17,861,023	33.7	6,020,066
1977.....	3,393,897	12,961,942	23.6	3,059,497	1985.....	4,469,578	18,809,938	30.1	5,668,272
1978.....	3,613,647	13,999,702	26.3	3,675,628	1986.....	4,648,520	19,661,110	34.5	6,784,088
1979.....	3,951,291	15,521,728	26.0	4,031,945	1987.....	5,003,560	21,523,356	28.7	6,177,127
1980.....	3,968,211	15,538,573	27.7	4,302,818	1988.....	5,237,901	22,464,480	33.1	7,435,105
1981.....	4,147,521	16,519,568	28.4	4,699,379	1989.....	5,516,521	23,978,816	36.6	8,777,668
1982.....	4,148,970	16,759,860	26.9	4,502,214	1990 ⁵	5,864,650	25,633,600	32.6	8,366,264
1983.....	4,183,660	17,037,998	28.6	4,872,707					

¹ 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. ² Live weight equivalent price. ³ Includes value of consumption in households of producers, which is less than 1 percent of total production. ⁴ Commercial broilers reported on a Dec. 1 through Nov. 30 marketing year.

⁵ Preliminary.

National Agricultural Statistics Service.

Table 508.—Chickens: Broiler production and gross income, by States, 1989 and 1990 ¹

State	1989				1990 ⁴			
	Production		Price per pound ²	Value of production ³	Production		Price per pound ²	Value of production ³
	Number	Weight			Number	Weight		
	Thousands	1,000 pounds	Cents	1,000 dollars	Thousands	1,000 pounds	Cents	1,000 dollars
AL.....	750,074	3,150,311	36.0	1,134,112	846,900	3,641,670	32.0	1,165,334
AR.....	920,498	3,866,092	38.0	1,469,115	951,200	3,995,040	34.5	1,378,289
CA.....	223,130	1,048,711	34.5	361,805	231,100	1,109,280	30.5	338,330
DE.....	226,415	1,132,075	40.5	458,490	231,700	1,158,500	35.0	405,475
FL.....	123,562	518,960	35.0	181,636	119,600	490,360	31.0	152,012
GA.....	811,964	3,572,642	35.0	1,250,425	854,500	3,759,800	31.0	1,165,538
HI.....	2,249	9,446	49.0	4,628	1,940	8,342	49.5	4,129
IA.....	4,700	32,900	36.0	11,844	9,450	63,315	32.0	20,261
KY.....	2,272	9,542	36.0	3,435	1,520	6,232	30.0	1,870
MD.....	257,766	1,108,394	40.5	448,899	265,400	1,141,220	35.0	399,427
MI.....	760	3,268	37.0	1,209	780	3,432	34.5	1,184
MN.....	37,700	180,960	36.0	65,146	41,300	198,240	32.0	63,437
MS.....	387,336	1,626,811	36.5	593,786	413,000	1,693,300	31.5	533,330
MO.....	70,100	308,440	38.0	117,207	88,200	361,620	34.0	122,951
NE.....	2,150	13,975	49.0	5,590	2,950	20,060	36.0	7,222
NY.....	3,300	15,180	36.0	5,465	2,400	11,040	33.0	3,643
NC.....	520,000	2,444,000	34.5	843,180	540,300	2,593,440	31.0	803,966
OH.....	16,000	72,000	23.0	20,880	20,500	96,350	27.0	26,015
OK.....	135,100	526,890	37.5	197,584	142,000	539,600	33.5	180,766
OR.....	20,000	92,000	35.0	32,200	23,700	111,390	32.0	35,645
PA.....	127,700	549,110	37.0	203,171	115,600	520,200	36.0	187,272
SC.....	76,905	307,620	35.5	109,205	83,600	342,760	31.5	107,969
TN.....	99,300	426,990	34.0	145,177	99,100	436,040	30.0	130,812
TX.....	291,600	1,253,880	38.5	482,744	338,100	1,453,330	35.0	508,841
VA.....	182,371	802,432	37.0	296,908	195,300	881,550	33.5	295,319
WV.....	30,550	140,300	36.0	50,508	33,300	156,510	32.5	50,866
WI.....	35,338	130,751	37.0	48,378	41,000	155,800	33.5	52,193
WY.....	12,600	54,180	32.0	17,338	14,000	61,600	31.5	19,404
Other States.....	145,131	580,956	37.5	217,611	155,610	623,079	32.9	204,724
Total.....	5,516,521	23,978,816	36.6	8,777,668	5,864,650	25,633,600	32.6	8,366,284

¹ 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. ² Live-weight equivalent price. ³ Value income including home consumption. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 509.—Chicks hatched by commercial hatcheries: Number, average price, and value, United States, 1976-90

Year	Chicks hatched			Average price of baby chicks per 100	Value of chick production ¹
	Broiler-type	Egg-type	All		
	Thousands	Thousands	Thousands	Dollars	1,000 dollars
1976.....	3,488,326	492,180	3,980,506	15.40	568,957
1977.....	3,636,672	501,913	4,138,585	15.80	612,581
1978.....	3,879,339	491,578	4,370,917	16.30	667,723
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	406,935	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.....	5,379,228	427,785	5,807,013	19.80	1,105,993
1988.....	5,602,400	368,349	5,970,749	18.10	1,046,706
1989.....	5,946,948	382,906	6,329,854	18.60	1,143,388
1990.....	6,314,594	398,961	6,713,555	19.50	1,271,504

¹ Excludes egg-type cockerels destroyed.

National Agricultural Statistics Service.

Table 510.—Chicks hatched by commercial hatcheries: Number and average price, by regions, 1989 and 1990

Region ¹	Broiler-type chicks				Egg-type chicks			
	Hatched		Average price per 100		Hatched		Average price per 100	
	1989	1990	1989	1990	1989	1990	1989	1990
	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>
Appalachian	814,291	864,149	16.40	17.80	24,514	26,722	42.40	48.40
Corn Belt.....	110,737	142,435	38.10	37.80	n.a.	n.a.		
Lake States.....	53,402	58,907	43.60	47.10	41,336	41,379	44.90	44.70
Northeast.....	691,252	702,794	19.50	19.30	59,218	67,512	45.50	46.20
Pacific.....	n.a.	n.a.			43,174	42,956	53.80	53.80
Southeast.....	1,991,567	2,117,658	12.60	14.00	62,360	62,168	63.20	62.80
US ²	5,946,948	6,314,594	17.60	18.50	382,906	398,961	50.30	49.60

¹ 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; Pacific—California, Oregon, Washington. ² Includes other regions not published separately. n.a. not available.

National Agricultural Statistics Service.

Table 511.—Poultry: Feed-price ratios, and poultry ration cost, United States, 1978-90

Year	Ratios ^{1 2}			Year	Ratios ^{1 2}		
	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>
1976.....	7.8	2.8	3.7	1984.....	6.9	2.9	3.9
1977.....	7	2.7	3.8	1985.....	6.2	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.....	6.5	3.2	3.2
1980.....	6.1	2.7	3.6	1988.....	5.3	3.1	3.0
1981.....	6.0	2.5	3.1	1989.....	5.8	3.0	2.9
1982.....	6.2	2.6	3.3	1990.....	7.1	3.0	3.2
1983.....	6.0	2.6	3.0				

¹ 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. ² Ratio computed on a December through November marketing year rather than a calendar year.

National Agricultural Statistics Service.

Table 512.—Poultry and poultry products: Cold-storage holdings, end of month, United States, 1989-90

Month	Shell eggs		Frozen eggs		Turkeys		Total poultry	
	1989	1990	1989	1990	1989	1990	1989	1990
	<i>1,000 cases</i>	<i>1,000 cases</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.....	12	22	19,669	14,174	262,542	268,365	462,307	504,867
February.....	7	16	18,988	15,175	263,114	276,285	455,145	519,292
March.....	16	23	14,790	16,781	269,243	317,899	457,951	568,893
April.....	18	20	15,330	17,292	298,700	354,943	488,512	621,296
May.....	26	21	16,185	17,393	355,645	405,601	551,925	667,157
June.....	27	22	15,052	18,064	454,608	481,293	657,979	752,459
July.....	12	29	16,460	17,089	496,885	541,669	685,713	799,946
August.....	17	19	15,037	17,130	574,297	593,134	767,576	846,147
September.....	23	18	14,379	16,556	569,283	623,630	768,994	855,015
October.....	6	11	14,906	16,794	571,805	625,116	776,122	861,840
November.....	11	16	13,374	17,163	258,562	338,399	478,798	582,341
December.....	12	15	13,558	14,749	235,939	306,416	468,691	562,234

National Agricultural Statistics Service.

Table 513.—Poultry: Slaughtered under Federal inspection, United States, by classes, 1988–90

Class	Number inspected			Pounds inspected (live weight)		
	1988	1989	1990	1988	1989	1990
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	5,158,710	5,499,319	5,841,048	22,207,755	23,881,618	25,548,797
Mature chickens.....	192,330	181,763	181,104	876,833	860,480	853,151
Total chickens.....	5,351,040	5,681,082	6,022,152	23,084,588	24,742,098	26,401,948
Young turkeys.....	232,505	247,241	266,344	4,876,206	5,191,490	5,684,400
Old turkeys.....	1,725	2,130	2,160	40,587	50,807	52,895
Fryer-roaster turkeys.....	3,223	2,379	2,695	30,952	24,317	26,324
Total turkeys.....	237,453	251,750	271,199	4,947,745	5,266,614	5,763,619
Ducks.....	24,008	21,718	20,913	158,331	142,330	137,433
Other poultry.....				7,688	6,357	9,723
Total poultry.....				28,198,352	30,157,399	32,312,723

Class	Pounds certified (ready-to-cook)			Pounds condemned		
	1988	1989	1990	Ante-mortem (live weight)		
				1988	1989	1990
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	16,124,400	17,334,190	18,553,863	77,468	85,590	85,590
Mature chickens.....	540,230	523,579	520,493	11,537	10,674	10,674
Total chickens.....	16,664,630	17,863,769	19,074,356	89,005	96,264	96,264
Young turkeys.....	3,868,498	4,117,421	4,499,783	16,990	18,240	18,365
Old turkeys.....	30,950	38,731	40,589	457	551	518
Fryer-roaster turkeys.....	24,004	18,722	20,529	100	64	61
Total turkeys.....	3,923,452	4,174,874	4,560,901	17,547	18,855	18,944
Ducks.....	112,434	101,091	97,263	370	186	210
Other poultry.....	4,628	3,698	6,300	20	26	29
Total poultry.....	20,705,144	22,143,432	23,738,820	106,942	115,331	114,398

Class	Pounds condemned—Continued		
	Post-mortem (New York dressed weight)		
	1988	1989	1990
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	369,646	396,082	386,304
Mature chickens.....	36,691	37,964	38,543
Total chickens.....	406,337	434,046	434,847
Young turkeys.....	92,337	102,167	103,574
Old turkeys.....	2,104	2,649	2,673
Fryer-roaster turkeys.....	419	408	314
Total turkeys.....	94,860	105,224	106,561
Ducks.....	1,981	1,731	1,652
Other poultry.....	118	88	86
Total poultry.....	508,296	541,089	543,146

National Agricultural Statistics Service.

Table 514.—Chickens and turkeys: Number classified as “U.S. Pullorum-Typhoid Clean,” and number and percentage of reactors, United States, 1976-89

Year beginning July	Chicken tests				Turkey tests			
	States reporting	Chickens in tested flocks (first test)	Reactors ¹		States reporting	Turkeys in tested flocks (first test)	Reactors	
	Number	Thousands	Number	Percent	Number	Number	Number	Percent
1976.....	47	28,846	90	0.0019	47	2,693,782	0	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	33,611	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
1987.....	47	43,788	36	.0001	47	4,505,067	0	.0000
1988.....	47	46,924	44	.0001	47	5,243,118	0	.0000
1989.....	47	51,438	341	.0206	47	5,412,869	0	.0000

¹ Number of reacting birds and percent of birds tested. Testing year starting July 1, 1989. Animal and Plant Health Inspection Service.

Table 515.—Turkeys: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1976-90

Year	Production	Commercial storage at beginning of year	Exports	Commercial storage at end of year	Consumption	
					Total ^{1 3}	Per capita
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Pounds
1976.....	2,059	195	65	203	1,985	9.1
1977.....	2,023	203	54	168	2,005	9.1
1978.....	2,098	168	51	175	2,040	9.2
1979.....	2,344	175	50	240	2,229	9.9
1980.....	2,432	240	75	198	2,399	10.5
1981.....	2,577	198	63	238	2,473	10.8
1982.....	2,522	238	51	204	2,505	10.8
1983.....	2,649	204	47	162	2,644	11.3
1984.....	2,684	162	27	125	2,697	11.4
1985.....	2,944	125	27	150	2,892	12.1
1986.....	3,276	150	27	178	3,221	13.4
1987.....	3,833	178	33	266	3,712	15.3
1988.....	3,960	266	51	250	3,926	15.0
1989.....	4,285	250	41	236	4,259	17.2
1989 ²	4,734	236	54	306	4,610	18.4

¹ Totals may not add due to rounding. ² Preliminary. ³ Shipments to territories now included in consumption. Economic Research Service.

Table 516.—Turkeys: Production, and value, United States, 1976-90

Year	Number raised ¹	Pounds (live weight) produced	Price per pound live weight	Value of production
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
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	3,384,393	48.9	1,654,862
1985.....	185,427	3,703,994	49.1	1,819,526
1986.....	207,232	4,147,168	47.0	1,951,037
1987.....	240,438	4,894,858	34.8	1,705,137
1988.....	242,421	5,059,056	38.6	1,951,349
1989.....	261,280	5,465,453	40.9	2,234,422
1990 ²	283,000	6,041,836	39.4	2,383,179

¹ Total poult hatched less death loss of poults and young turkeys during the year. ² Preliminary.
National Agricultural Statistics Service.

Table 517.—Turkeys: Production and value, by States, 1990

State	Number raised ¹	Pounds produced ²	Price per pound ³	Value of production
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
AR.....	22,000	453,200	41.0	185,812
CA.....	32,000	723,200	38.0	274,816
CT.....	30	690	93.0	642
GA.....	2,010	61,305	42.0	25,748
IL.....	4,460	98,566	42.0	41,398
IN.....	13,700	287,700	42.0	120,834
IA.....	8,800	227,920	39.0	88,889
KS.....	400	8,800	43.0	3,784
MD and DE ⁴	110	2,348	69.9	1,640
MA.....	170	3,842	92.0	3,535
MI.....	4,300	124,700	41.0	51,127
MN.....	46,300	851,920	35.0	298,172
MO.....	18,000	360,000	41.0	147,600
NE.....	2,110	38,402	36.0	13,825
NH.....	20	460	110.0	506
NJ.....	100	2,140	90.0	1,926
NY.....	480	11,616	39.0	4,530
NC.....	58,000	1,160,000	39.0	452,400
ND.....	1,350	24,840	35.0	8,694
OH.....	4,750	134,900	39.0	52,611
OR.....	2,300	43,700	42.0	18,354
PA.....	8,430	168,600	41.0	69,126
SC.....	5,500	167,750	38.0	63,745
SD.....	2,600	79,820	36.0	28,735
UT.....	3,930	89,997	52.0	46,798
VA.....	17,000	316,200	39.0	123,318
WV.....	3,850	71,610	39.0	27,928
Other States ⁴	20,300	527,610	43.0	226,686
US ⁵	283,000	6,041,836	39.4	2,383,179

¹ Based on turkeys placed Sept. 1, 1989 through Aug. 31, 1990. Excludes young turkeys lost. ² Includes home consumption. ³ Liveweight equivalent price. ⁴ CO, OK, TX, and WI combined to avoid disclosing individual operations. ⁵ May not add due to rounding.
National Agricultural Statistics Service.

Table 518.—Turkeys: Poults placed by commercial hatcheries, by breeds, United States, 1976-90

Year	Total all heavy breeds ¹	Light breeds ²	Total all breeds
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1976 ³	130,980	18,494	149,474
1977 ³	136,029	12,354	148,383
1978 ³	148,838	8,689	157,527
1979 ³	166,014	13,955	179,969
1980 ³	171,842	16,824	188,666
1981 ³	176,939	10,395	187,334
1982 ³	176,769	7,472	184,241
1983	176,253	5,869	182,122
1984	(⁴)	(⁴)	184,238
1985	(⁴)	(⁴)	198,683
1986	(⁴)	(⁴)	225,380
1987	(⁴)	(⁴)	264,228
1988	(⁴)	(⁴)	261,406
1989	(⁴)	(⁴)	290,678
1990	(⁴)	(⁴)	304,863

¹ Birds for which the normal mature marketing live weight is 12 pounds or over. ² Birds for which the normal mature marketing live weight is less than 12 pounds. ³ Poults hatched prior to 1983. Poults placed beginning in 1983 which excludes exported poults. ⁴ Heavy breeds and light breeds not published.

National Agricultural Statistics Service.

Table 519.—Turkeys: Poults placed by commercial hatcheries, U.S. and regions, 1989 and 1990

Month	United States			1990				
	1989	1990	1990 as percent of 1989	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	23,183	25,179	109	2,936	6,613	8,173	3,290	4,167
Feb	23,853	24,609	103	3,139	6,698	7,716	2,946	4,110
Mar	27,185	27,699	102	3,655	8,344	8,472	3,060	4,168
Apr	26,319	28,787	109	3,506	8,554	8,974	3,157	4,596
May	28,756	29,124	101	3,655	8,588	9,203	3,059	4,619
June	29,398	29,276	100	3,808	9,120	8,667	3,054	4,627
July	26,555	29,000	109	3,382	8,049	9,767	3,064	4,738
Aug	23,058	25,281	110	3,054	7,619	8,348	2,576	3,684
Sept	19,924	19,743	99	2,541	5,289	7,494	1,841	2,578
Oct	20,171	21,517	107	2,903	5,421	8,199	2,106	2,888
Nov	20,734	21,871	105	2,775	5,952	7,559	2,853	2,732
Dec	21,542	22,777	106	2,634	5,983	8,175	2,979	3,006
Total	290,678	304,863	105	37,988	86,230	100,747	33,985	45,913

National Agricultural Statistics Service.

Table 520.—Eggs: Number of hens and pullets, rate of lay, and production, by States, 1989 and 1990 ¹

State	1989			1990		
	Hens and pullets, average number during year	Rate of lay per layer during year ²	Eggs produced	Hens and pullets, average number during year	Rate of lay per layer during year ²	Eggs produced
	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>
AL.....	9,459	231	2,183	9,514	232	2,206
AK.....	3	187	7	3	187	7
AZ.....	305	258	79	302	241	73
AR.....	14,455	232	3,352	15,597	232	3,620
CA.....	30,073	243	7,317	29,931	250	7,472
CO.....	3,239	254	824	3,142	250	788
CT.....	3,711	252	934	3,776	271	1,023
DE.....	640	227	146	742	228	170
FL.....	10,788	244	2,628	10,546	245	2,586
GA.....	17,563	240	4,211	17,562	245	4,302
HI.....	909	249	226.6	974	233	227.5
ID.....	864	250	217	731	255	187
IL.....	3,175	249	793	3,100	255	793
IN.....	21,164	261	5,529	20,719	263	5,445
IA.....	8,505	252	2,140	8,261	260	2,151
KS.....	1,549	249	387	1,681	240	404
KY.....	1,688	241	407	1,625	250	407
LA.....	1,365	218	299	1,245	219	273
ME.....	4,324	264	1,140	3,926	272	1,069
MD.....	3,762	256	966	3,680	259	954
MA.....	893	266	238	870	269	235
MI.....	5,666	257	1,454	5,328	264	1,404
MN.....	8,740	256	2,236	9,646	259	2,499
MS.....	5,354	241	1,289	5,979	240	1,434
MO.....	6,181	240	1,485	6,389	247	1,580
MT.....	702	256	180	658	261	172
NE.....	4,090	253	1,037	4,794	250	1,202
NV.....	13	176	2.3	12	172	2.2
NH.....	193	274	53	158	270	43
NJ.....	1,687	258	437	1,624	272	442
NM.....	1,145	256	294	1,171	241	283
NY.....	3,973	268	1,063	3,658	267	975
NC.....	13,871	239	3,312	12,849	232	2,986
ND.....	206	227	47	215	236	51
OH.....	16,832	259	4,367	17,676	264	4,667
OK.....	3,726	237	886	3,751	231	869
OR.....	2,537	267	678	2,523	258	652
PA.....	19,535	268	5,232	18,576	268	4,976
RI.....	191	240	46	163	256	42
SC.....	5,114	262	1,342	5,441	261	1,422
SD.....	1,461	255	373	1,672	260	435
TN.....	1,612	241	389	1,217	227	277
TX.....	13,673	242	3,304	13,813	240	3,317
UT.....	1,849	248	460	1,817	250	456
VT.....	139	264	37	102	301	31
VA.....	3,760	250	942	3,570	250	894
WA.....	4,804	270	1,299	4,856	265	1,287
WV.....	517	233	121	571	238	136
WI.....	3,320	256	851	3,437	264	910
WY.....	13	173	2.3	8	194	1.7
US ³	269,347	250	67,236	269,679	252	67,832

¹ Annual estimates cover the period Dec. 1, previous year through Nov. 30. ² Total egg production divided by average number of layers on hand. ³ Sum of States may not add to U.S. total due to rounding.

National Agricultural Statistics Service.

Table 521.—Eggs: Production in specified countries, 1988-90

Continent and country	1988	1989	1990 ¹	Continent and country	1988	1989	1990 ¹
	<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	5,721	5,719	5,661	Bulgaria	2,850	2,850	2,850
Mexico	17,859	17,950	18,040	Czechoslovakia	5,596	5,628	5,665
United States	69,410	67,174	67,919	Hungary	4,695	4,250	4,300
Total	92,990	90,843	91,620	Poland	8,220	8,200	7,649
				Romania	7,650	7,600	7,100
				Yugoslavia	4,972	4,700	4,566
				Total	33,983	33,228	32,130
South America:				Middle East:			
Argentina	3,300	3,350	3,900	Iraq	1,600	1,500	1,300
Brazil	14,850	12,174	13,454	Israel	1,902	1,898	1,843
Venezuela	2,700	2,600	1,146	Saudi Arabia	2,765	2,800	2,900
Total	20,850	18,124	18,500	Turkey	6,200	7,200	7,500
				Total	12,467	13,398	13,543
EC-12:				Africa:			
Belgium and Luxembourg ..	2,830	2,724	2,941	Algeria	3,200	3,400	3,470
Denmark	1,366	1,410	1,409	Egypt	2,840	3,000	3,200
France	15,300	15,050	14,629	South Africa	3,723	4,012	4,164
Germany ²	17,960	17,794	16,800	Total	9,763	10,412	10,834
Greece	2,485	2,507	2,566				
Ireland	640	640	640	Asia:			
Italy	11,234	11,223	11,454	China	139,100	140,900	158,920
Netherlands	10,761	10,660	10,799	Hong Kong	40	34	34
Portugal	1,633	1,520	1,590	Japan	40,137	40,383	39,850
Spain	10,586	10,140	10,659	Korea, Rep. of	7,204	6,919	7,145
United Kingdom	13,500	12,275	12,352	Taiwan	4,400	4,450	4,500
Total	88,565	85,943	85,839	Total	190,881	192,686	210,449
Other West Europe:				Soviet Union	85,150	84,600	82,000
Austria	1,757	1,695	1,644				
Finland	1,304	1,288	1,232	Oceania:			
Switzerland	708	693	635	Australia ³	3,238	3,286	3,468
Total	3,769	3,676	3,531	Total selected countries..	541,656	536,236	552,919

¹ Preliminary. ² Includes the former East Germany. ³ 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 522.—Eggs, shell: Average price per dozen on consumer Grade A cartoned white eggs to volume buyers, store-door delivery, New York metropolitan area, 1976-90

Year	Large	Year	Large	Year	Large
	<i>Cents</i>		<i>Cents</i>		<i>Cents</i>
1976	70.33	1981	73.21	1986	71.38
1977	63.27	1982	70.10	1987	61.60
1978	61.68	1983	75.16	1988	62.10
1979	68.15	1984	80.87	1989	81.91
1980	66.86	1985	64.97	1990	82.19

Agricultural Marketing Service.

Table 523.—Eggs: Production, disposition, cash receipts, and gross income, United States, 1976-90 ¹

Year	Hens and pullets, average number during year	Rate of lay per layer during year ²	Eggs			Price per dozen	Cash receipts (sales)	Value of eggs consumed on production units	Value of production ³
			Total produced	Consumed on production units	Sold				
			Thousands	Number	Millions				
1976 ³	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 ⁴	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	3,267,562
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	3,437,301	20,972	3,458,273
1983	276,263	247	68,189	415	67,754	61.1	3,448,613	20,755	3,468,368
1984	277,960	245	68,222	390	67,840	72.3	4,087,773	23,147	4,110,438
1985	277,592	247	68,645			57.2			3,262,260
1986	279,046	248	68,106			61.5			3,548,295
1987	283,872	248	70,356			54.7			3,209,397
1988	277,781	251	69,865			52.8			3,066,739
1989	271,064	250	67,236			68.9			3,861,469
1990 ⁵	271,631	252	67,832			71.6			4,044,696

¹ Annual production, disposition, cash receipts, and gross income estimates for eggs reported on Dec. 1 through Nov. 30 marketing year. ² Number of eggs produced during the year divided by the average of hens and pullets of laying age on hand during the year. ³ Value of sales plus value of eggs consumed in households of producers. ⁴ Included are layers and eggs destroyed because of possible PCB contamination. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 524.—Eggs: Production and value, by States, 1990 (preliminary) ¹

State	Eggs produced	Price per dozen	Value of production	State	Eggs produced	Price per dozen	Value of production
	Millions	Cents	1,000 dollars		Millions	Cents	1,000 dollars
AL	2,206	92.4	169,862	NE	1,202	50.3	50,384
AK		151.0	88	NV	2.2	53.9	99
AZ	73	67.5	4,106	NH	43	109.0	3,906
AR	3,620	86.4	260,640	NJ	442	85.0	31,308
CA	7,472	69.6	433,376	NM	283	74.0	17,452
CO	788	77.8	51,089	NY	975	68.1	55,331
CT	1,023	106.0	90,365	NC	2,986	82.8	206,034
DE	170	117.0	16,575	ND	51	55.2	2,346
FL	2,586	62.0	133,610	OH	4,667	59.1	229,550
GA	4,302	80.6	288,951	OK	869	101.0	73,141
HI	227.5	85.0	16,115	OR	652	76.8	41,728
ID	187	79.1	12,326	PA	4,976	61.0	251,947
IL	793	65.0	42,954	RI	42	102.0	3,570
IN	5,445	62.7	284,501	SC	1,422	70.0	82,950
IA	2,151	56.5	101,276	SD	435	48.0	17,400
KS	404	54.5	18,348	TN	277	70.2	16,204
KY	407	67.7	22,962	TX	3,317	76.7	212,012
LA	273	115.0	26,163	UT	456	64.0	24,320
ME	1,069	101.2	89,974	VA	894	85.6	63,772
MD	954	76.3	60,659	WA	1,287	74.1	79,472
MA	235	105.0	20,563	WV	136	104.0	11,787
MI	1,404	58.1	67,977	WI	910	60.1	45,576
MN	2,499	57.7	120,160	WY	1.7	83.0	118
MS	1,434	87.8	104,921				
MO	1,580	55.4	72,943	US ²	67,832	71.6	4,044,696
MT	172	68.0	9,747				

¹ Estimates cover the 12-month period Dec. 1, previous year through Nov. 30. ² Sum of States may not add to U.S. total due to rounding.

National Agricultural Statistics Service.

Table 525.—Eggs: Supply, distribution, and per capita consumption, United States, 1976-90 ¹

Year	Total egg production	Storage at beginning of the year ¹	Imports ²	Exports ²	Eggs used for hatching	Consumption		
						Storage at end of the year ²	Total ⁴	Per capita
	Million dozen	Million dozen	Million dozen	Million dozen	Million dozen	Million dozen	Million dozen	Number
1976.....	5,377	28	3	37	419	21	4,931	271
1977.....	5,408	21	14	67	427	24	4,925	268
1978.....	5,608	24	12	97	466	20	5,061	273
1979.....	5,777	20	10	78	498	19	5,213	278
1980.....	5,806	19	5	143	499	19	5,169	272
1981.....	5,825	19	5	234	507	18	5,090	266
1982.....	5,802	18	3	158	506	20	5,138	266
1983.....	5,659	20	23	86	500	9	5,108	262
1984.....	5,709	9	32	58	530	11	5,151	262
1985.....	5,710	11	13	71	548	11	5,104	257
1986.....	5,766	11	14	102	567	10	5,112	255
1987.....	5,868	10	6	111	599	14	5,160	255
1988.....	5,784	14	5	142	606	15	5,041	247
1989.....	5,598	15	25	92	643	11	4,893	237
1990 ³	5,660	11	9	101	676	12	4,892	235

¹ Calendar years. ² Shell eggs and the approximate shell-egg equivalent of egg product. ³ Preliminary.

⁴ Shipments to territories now included in total consumption.
Economic Research Service.

Table 526.—Eggs: Products under Federal inspection, United States, fiscal years 1989 and 1990

Item	Quantity		Item	Quantity	
	1989	1990		1989	1990
	1,000 dozen	1,000 dozen		1,000 dozen	1,000 dozen
Shell eggs broken.....	956,707	1,010,333	Liquid product produced for immediate consumption and processing: ³		
Edible liquid from shell eggs broken:			Whole plain.....	316,533	356,229
Whole.....	601,145	660,976	Whole blends.....	102,045	155,869
White.....	385,143	389,572	White.....	275,552	268,847
Yolk.....	212,252	216,468	Yolk plain.....	47,241	62,767
Total.....	1,198,540	1,267,016	Yolk blends.....	86,727	88,676
Inedible liquid from shell eggs broken.....	89,666	95,193	Total.....	810,098	932,388
Liquid egg used in processing: ¹			Frozen product produced: ³		
Whole.....	791,458	884,683	Whole plain.....	150,474	170,352
White.....	535,415	535,280	Whole blends.....	102,567	110,650
Yolk.....	258,392	281,585	White.....	40,232	38,794
Total.....	1,585,265	1,701,548	Yolk plain.....	4,041	4,504
Ingredients added in processing ² ..	49,336	53,497	Yolk blends.....	69,415	59,553
			Total.....	366,820	383,853
			Dried product produced: ³		
			Whole plain.....	20,158	20,144
			Whole blends.....	32,461	27,344
			White.....	28,873	28,768
			Yolk plain.....	17,481	17,902
			Yolk blends.....	7,183	10,870
			Total.....	106,156	105,028

¹ Includes all frozen eggs used for processing, excludes ingredients added. ² Includes all non-egg ingredients added. ³ 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 527.
- Farm property, table 528.
- Population and employment, table 541.
- Farm production and distribution, table 548.
- Price and income, table 562.
- Costs and expenses, table 574.

Table 527.—Economic trends: Data relating to agriculture, United States, 1976-90

Year	Prices paid by farmers		Prices received by farmers	Farm income			
	Total including interest, taxes, and wage rates	Production items		Gross farm income ¹	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>
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	164.1	140.3	23.8	23.8
1983.....	161	152	135	153.9	139.6	14.2	13.7
1984.....	164	155	142	168.0	141.9	26.1	24.2
1985.....	162	151	128	161.2	132.4	28.8	25.9
1986.....	159	144	123	156.1	125.1	31.0	27.2
1987.....	162	148	127	168.4	128.7	39.7	33.8
1988.....	170	157	138	174.5	133.9	40.6	33.5
1989.....	178	165	147	190.3	140.2	50.1	39.6
1990 ⁶	184	171	150	195.1	144.3	50.8	38.7

Year	National income ²	Disposable personal income ²	Industrial production ³	Consumer prices all items ⁴	Producer prices consumer foods ⁴
	<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>
1976.....	1,441.4	1,252.6	72.4	(⁵)	(⁵)
1977.....	1,617.8	1,329.3	78.2	(⁵)	(⁵)
1978.....	1,838.2	1,551.2	82.6	(⁵)	(⁵)
1979.....	2,047.3	1,729.3	85.7	(⁵)	(⁵)
1980.....	2,203.5	1,918.0	84.1	82.4	92.4
1981.....	2,443.5	2,127.6	85.7	90.9	97.8
1982.....	2,518.4	2,261.4	81.9	96.5	100.0
1983.....	2,719.5	2,428.1	84.9	99.6	101.0
1984.....	3,028.6	2,668.6	92.8	103.9	105.4
1985.....	3,284.0	2,898.7	94.4	107.6	104.6
1986.....	3,412.6	3,013.3	95.3	109.6	107.3
1987.....	3,660.3	3,194.7	100.0	113.6	109.5
1988.....	3,984.9	3,479.2	105.4	118.3	112.6
1989.....	4,223.3	3,725.5	108.1	124.0	118.7
1990 ⁶	4,418.4	3,946.1	109.2	130.7	124.4

¹ 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. ² U.S. Department of Commerce. ³ Federal Reserve Board. ⁴ U.S. Department of Labor.

⁵ Data prior to 1980 available from U.S. Department of Labor. ⁶ Preliminary.

Economic Research and National Agricultural Statistics Service.

Table 528.—Farms: Number, land in farms, and average size of farm, U.S., 1978-91

Year	Farms ¹	Land in farms	Average size of farm
	<i>Number</i>	<i>1,000 acres</i>	<i>Acres</i>
1978.....	2,436,250	1,044,790	429
1979.....	2,437,300	1,042,015	428
1980.....	2,439,510	1,038,885	426
1981.....	2,439,920	1,034,190	424
1982.....	2,406,550	1,027,795	427
1983.....	2,378,620	1,023,425	430
1984.....	2,333,810	1,017,803	436
1985.....	2,292,530	1,012,073	441
1986.....	2,249,820	1,005,333	447
1987.....	2,212,960	998,923	451
1988.....	2,197,140	994,543	453
1989.....	2,170,520	991,153	457
1990.....	2,140,420	987,420	461
1991 ²	2,104,560	982,576	467

¹ 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. ² Preliminary.

National Agricultural Statistics Service.

Table 529.—Percent of farms, land in farms, and average size, by economic class, United States, June 1, 1990-91

Economic class gross value of sales	Percent of total				Average size of farms	
	Farms		Land		1990	1991 ¹
	1990	1991 ¹	1990	1991 ¹		
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Acres</i>	<i>Acres</i>
\$1,000-\$2,499.....	22.1	20.9	2.9	3.0	61	67
\$2,500-\$4,999.....	13.7	13.9	3.0	3.0	101	101
\$5,000-\$9,999.....	11.7	12.8	4.1	4.0	162	146
\$10,000-\$19,999.....	11.1	10.8	6.2	6.0	258	259
\$20,000-\$39,999.....	12.1	11.4	10.4	10.3	397	422
\$40,000-\$99,999.....	14.3	14.7	23.0	22.0	742	699
\$100,000-\$249,999.....	10.0	10.2	25.0	25.0	1,153	1,144
\$250,000-\$499,999.....	3.0	3.3	12.3	13.2	1,891	1,868
\$500,000+.....	2.0	2.0	13.1	13.5	3,022	3,151
Total.....	100.0	100.0	100.0	100.0	461	467

¹ Preliminary.

National Agricultural Statistics Service.

Table 530.—Farms: Number and land in farms, by States, 1990 and 1991

State	Farms ¹		Land in farms	
	1990	1991 ²	1990	1991 ²
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
AL.....	47,000	45,000	10,100	9,800
AK.....	580	560	1,000	990
AZ.....	7,800	8,000	36,000	36,000
AR.....	47,000	46,000	15,500	15,500
CA.....	85,000	84,000	30,800	30,300
CO.....	26,500	26,000	33,100	32,800
CT.....	3,900	3,900	420	420
DE.....	2,900	2,900	570	570
FL.....	41,000	40,000	10,900	10,500
GA.....	48,000	46,000	12,500	12,100
HI.....	4,600	4,600	1,710	1,710
ID.....	21,800	21,400	13,700	13,500
IL.....	83,000	82,000	28,500	28,500
IN.....	68,000	65,000	16,300	16,000
IA.....	104,000	102,000	33,500	33,500
KS.....	69,000	69,000	47,900	47,900
KY.....	93,000	91,000	14,100	14,100
LA.....	32,000	30,000	8,900	8,800
ME.....	7,200	7,000	1,450	1,420
MD.....	15,200	15,400	2,250	2,250
MA.....	6,900	6,900	680	680
MI.....	54,000	54,000	10,800	10,800
MN.....	89,000	88,000	30,000	30,000
MS.....	40,000	38,000	13,000	12,800
MO.....	108,000	107,000	30,400	30,400
MT.....	24,700	24,800	60,500	60,300
NE.....	57,000	56,000	47,100	47,100
NV.....	2,500	2,500	8,900	8,900
NH.....	2,900	2,900	490	480
NJ.....	8,100	8,300	870	880
NM.....	13,500	13,500	44,500	44,300
NY.....	38,500	38,000	8,400	8,300
NC.....	62,000	60,000	9,700	9,600
ND.....	34,000	33,000	40,500	40,400
OH.....	84,000	80,000	15,700	15,700
OK.....	70,000	70,000	33,000	33,000
OR.....	36,500	37,000	17,800	17,800
PA.....	53,000	53,000	8,100	8,100
RI.....	740	700	70	66
SC.....	25,000	24,000	5,200	5,100
SD.....	35,000	35,000	44,300	44,200
TN.....	89,000	87,000	12,400	12,400
TX.....	186,000	185,000	132,000	131,000
UT.....	13,200	13,300	11,300	11,300
VT.....	7,000	6,900	1,510	1,510
VA.....	46,000	45,000	8,900	8,800
WA.....	37,000	37,000	16,000	16,000
WV.....	20,500	20,000	3,700	3,700
WI.....	80,000	79,000	17,500	17,500
WY.....	8,900	9,000	34,800	34,800
US.....	2,140,420	2,104,560	987,420	982,576

¹A 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. ²Preliminary.

National Agricultural Statistics Service.

Table 531.—Farms: Classification by tenure of operator, United States, 1900–1987

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>
1900.....	5,739,657	55.8	7.9	1.0	35.3
1910.....	6,365,822	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 ¹	6,295,103	46.3	10.4	.9	42.4
1935.....	6,812,350	47.1	10.1	.7	42.1
1940 ¹	6,102,417	50.6	10.1	.6	38.8
1945.....	5,859,169	56.4	11.3	.7	31.7
1950 ¹	5,388,437	57.4	15.3	.4	26.9
1954.....	4,783,021	57.4	18.2	.4	24.0
1959 ¹	3,710,503	57.1	21.9	.6	20.5
1964 ¹	3,157,857	57.6	24.8	.6	17.1
1969 ¹	2,730,250	62.5	24.6	.....	12.9
1974 ¹	2,314,013	61.5	27.2	.....	11.3
1978 ¹	2,257,775	57.5	30.2	.....	12.3
1982 ¹	2,240,976	59.2	29.3	.....	11.6
1987 ¹	2,087,759	59.3	29.2	.....	11.5

¹ Includes Alaska and Hawaii.

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

Table 532.—Land in farms: Classification by tenure of operator, United States, 1900–1987

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>
1900.....	841,201,546	51.4	14.9	10.4	23.3
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 ¹	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 ¹	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 ¹	1,161,419,720	36.1	36.4	9.2	18.3
1954.....	1,158,191,511	34.2	40.7	8.6	16.5
1959 ¹	1,123,507,574	31.0	44.0	9.8	14.8
1964 ¹	1,110,187,000	28.7	48.0	10.2	13.1
1969 ¹	1,062,892,501	35.3	51.8	.....	13.0
1974 ¹	1,017,030,357	35.3	52.6	.....	12.0
1978 ¹	1,014,777,234	32.7	55.3	.....	12.0
1982 ¹	986,796,579	34.7	53.8	.....	11.5
1987 ¹	964,470,625	32.9	53.9	.....	13.2

¹ Includes Alaska and Hawaii.

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

Table 533.—Land utilization, by States, 1987

State	Cropland			Grassland pasture ²	Forest land ³	Special use areas ⁴	Other land	Total land area
	Used for crops ¹	Idle	Used only for pasture					
	1,000 acres	1,000 acres	1,000 acres					
AL.....	2,370	977	1,456	1,935	21,659	1,376	2,718	32,491
AK.....	31	40	6	1,209	88,643	142,520	132,884	365,333
AZ.....	1,056	351	140	41,504	17,257	9,849	2,488	72,645
AR.....	6,698	1,582	1,938	2,950	16,896	1,368	1,928	33,330
CA.....	8,689	1,460	1,338	21,833	36,441	14,769	15,501	100,081
CO.....	8,684	2,058	1,170	27,898	18,837	4,795	2,859	66,301
CT.....	152	15	40	12	1,776	311	777	3,118
DE.....	493	46	10	12	388	113	175	1,237
DC.....	0	0	0	0	0	0	40	40
FL.....	2,300	560	1,004	5,792	16,260	4,505	4,237	34,658
GA.....	3,747	1,539	1,145	1,895	23,402	1,625	3,803	37,156
HI.....	182	141	41	1,082	1,318	806	562	4,112
ID.....	5,102	1,045	816	19,943	17,767	5,278	2,793	52,744
IL.....	20,187	4,009	1,021	1,668	4,030	1,881	2,837	35,613
IN.....	10,711	2,183	747	1,326	4,296	966	2,767	22,996
IA.....	20,656	5,041	2,284	1,882	1,460	1,564	2,931	35,818
KS.....	26,780	4,078	3,485	13,255	1,207	1,703	1,830	52,338
KY.....	4,751	1,472	3,402	1,653	11,909	1,006	1,195	25,388
LA.....	3,834	1,145	829	2,070	13,873	1,318	5,325	28,494
ME.....	390	100	87	72	17,437	429	1,322	19,837
MD.....	1,427	198	189	215	2,462	654	1,151	6,296
MA.....	196	22	53	45	3,010	567	1,125	5,008
MI.....	6,403	1,459	519	1,731	17,597	2,488	6,254	36,451
MN.....	17,510	4,790	1,122	1,661	13,572	7,565	4,691	50,911
MS.....	4,941	1,607	1,244	2,287	16,674	890	2,596	30,229
MO.....	12,323	2,725	5,396	6,465	12,192	1,743	3,281	44,125
MT.....	15,321	1,651	1,292	47,139	18,709	6,145	2,791	93,048
NE.....	18,000	3,660	2,565	20,435	699	1,514	2,179	49,052
NV.....	583	60	209	45,735	7,383	7,517	8,845	70,332
NH.....	107	9	31	50	4,803	263	93	5,756
NJ.....	499	80	73	35	1,914	712	1,466	4,779
NM.....	1,217	665	557	51,818	17,127	3,647	2,623	77,654
NY.....	3,802	630	822	1,005	16,226	3,898	3,938	30,321
NC.....	4,070	1,148	783	1,210	18,401	2,118	3,530	31,260
ND.....	25,464	2,441	1,522	11,187	460	1,601	1,677	44,352
OH.....	9,689	1,742	942	1,502	7,141	1,184	4,043	26,243
OK.....	9,565	1,876	4,433	17,754	6,970	1,330	2,011	43,939
OR.....	3,695	831	858	22,913	26,278	3,568	3,415	61,558
PA.....	4,240	509	803	1,093	16,189	2,409	3,485	28,728
RI.....	21	3	5	3	391	59	193	675
SC.....	1,942	786	464	422	12,179	1,124	2,413	19,330
SD.....	17,022	2,207	2,389	22,261	1,552	1,521	1,657	48,609
TN.....	4,278	1,043	2,472	1,446	12,863	2,154	2,083	26,339
TX.....	19,548	6,734	10,181	104,656	13,536	4,681	8,355	167,691
UT.....	1,278	298	528	23,080	14,793	5,451	7,099	52,527
VT.....	438	29	188	200	4,424	422	234	5,935
VA.....	2,671	493	1,449	1,773	15,497	1,449	2,078	25,410
WA.....	6,675	1,111	579	7,235	17,857	6,637	2,473	42,567
WV.....	678	99	642	476	11,799	683	1,059	15,436
WI.....	8,251	1,177	1,162	2,079	15,058	2,150	4,956	34,833
WY.....	2,160	248	550	45,146	5,552	6,293	2,134	62,073
US.....	330,877	68,143	64,877	591,083	648,164	278,599	283,300	2,265,147

¹ Cropland harvested, crop failure, and cultivated summer fallow. ² Grassland and other nonforest pasture and range. ³ Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land. ⁴ 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 534.—Land in farms: ¹ Irrigated land, by States, 1954-87

State	1954	1959	1964	1969	1974	1978 ²	1982	1987
	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	84
AK.....			(³)	1	1	1	1	2
AZ.....	1,177	1,152	1,125	1,178	1,153	1,196	1,098	914
AR.....	858	712	974	1,010	949	1,683	2,022	2,406
CA.....	7,048	7,396	7,599	7,240	7,749	8,506	8,461	7,596
CO.....	2,263	2,685	2,690	2,895	2,874	3,431	3,201	3,014
CT.....	12	5	14	9	7	7	7	7
DE.....	6	16	18	20	20	34	44	61
FL.....	428	414	1,217	1,365	1,559	1,980	1,585	1,623
GA.....	24	34	64	79	112	463	575	640
HI.....	(³)	141	144	146	142	159	146	149
ID.....	2,325	2,577	2,802	2,761	2,859	3,475	3,450	3,219
IL.....	7	10	14	51	54	180	166	208
IN.....	12	17	17	34	33	75	132	170
IA.....	2	18	22	21	39	101	91	92
KS.....	332	762	1,004	1,522	2,010	2,686	2,675	2,463
KY.....	13	9	14	20	11	14	23	38
LA.....	708	485	581	702	702	681	694	647
ME.....	1	2	4	6	6	7	6	6
MD.....	8	11	16	22	23	28	39	51
MA.....	23	20	24	19	19	17	17	20
MI.....	23	40	49	77	97	226	286	315
MN.....	9	15	18	36	78	272	315	354
MS.....	132	100	123	150	162	309	431	637
MO.....	33	30	59	156	150	320	403	535
MT.....	1,891	1,875	1,893	1,841	1,759	2,070	2,023	1,997
NE.....	1,171	2,078	2,169	2,857	3,967	5,683	6,039	5,682
NV.....	567	543	825	753	778	881	830	779
NH.....	1		3	2	2	2	1	3
NJ.....	59	74	96	72	89	77	83	91
NM.....	650	732	813	823	867	891	807	718
NY.....	59	58	79	55	55	56	52	51
NC.....	25	66	97	59	51	90	81	138
ND.....	38	48	51	63	71	141	163	168
OH.....	15	12	17	22	22	25	28	32
OK.....	108	198	302	524	515	602	492	478
OR.....	1,490	1,384	1,608	1,519	1,561	1,881	1,808	1,648
PA.....	18	17	23	19	18	15	18	30
RI.....	1	(³)	1	2	2	3	2	4
SC.....	22	25	19	15	10	32	81	81
SD.....	90	116	130	148	152	335	376	362
TN.....	23	11	11	12	10	13	18	38
TX.....	4,707	5,656	6,385	6,888	6,594	6,947	5,576	4,271
UT.....	1,073	1,062	1,092	1,025	970	1,169	1,082	1,161
VT.....	1	2	2	(³)	1	1	1	2
VA.....	22	31	51	37	28	42	43	79
WA.....	778	1,007	1,150	1,224	1,309	1,639	1,638	1,519
WV.....	1	1	2	3	2	1	1	3
WI.....	18	32	62	106	128	235	259	285
WY.....	1,263	1,470	1,571	1,523	1,460	1,662	1,565	1,518
US.....	29,552	33,164	37,057	39,122	41,243	50,350	49,002	46,386
PR.....	(⁴)	76	89	91	70	(⁴)	(⁴)	(⁴)
VI.....	(³)	(³)	(³)	(³)	(³)	(⁴)	(⁴)	(⁴)
Total.....	29,552	33,240	37,145	39,213	41,313	50,350	49,002	46,386

¹ Data may not add because of rounding. ² 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. ³ Less than 500 acres. ⁴ Not available.

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

Table 535.—Farm real estate: Value of farmland and buildings, by States, 1987-91 ¹

State	Total value of land and buildings				
	Feb. 1, 1987	Feb. 1, 1988	Feb. 1, 1989	Jan. 1, 1990	Jan. 1, 1991
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
AL.....	8,407	8,480	8,713	8,642	8,147
AZ.....	11,071	10,184	9,864	9,468	10,260
AR.....	11,434	12,024	12,215	11,625	11,935
CA.....	49,559	49,770	51,864	52,483	55,040
CO.....	12,512	12,435	12,295	11,850	13,571
CT.....	1,565	1,835	1,943	1,855	1,781
DE.....	1,040	1,041	1,214	1,288	1,281
FL.....	18,775	20,585	21,134	22,727	23,250
GA.....	11,554	11,960	12,575	12,650	12,438
ID.....	7,612	7,836	8,152	9,056	9,028
IL.....	32,865	36,093	39,416	39,587	40,841
IN.....	17,194	18,991	20,402	20,277	20,783
IA.....	26,334	31,725	36,884	36,917	38,760
KS.....	17,861	19,783	20,837	22,130	22,369
KY.....	12,649	12,813	12,936	13,832	13,564
LA.....	8,564	8,554	8,681	8,235	8,145
ME.....	1,284	1,395	1,478	1,478	1,418
MD.....	4,921	5,313	5,663	5,445	4,941
MA.....	2,078	2,416	2,559	2,559	2,456
MI.....	10,164	10,584	10,616	10,854	11,718
MN.....	17,605	21,000	22,350	24,150	26,190
MS.....	9,451	9,410	9,483	9,464	9,802
MO.....	18,479	19,520	20,459	20,642	20,946
MT.....	12,138	12,444	12,665	14,399	14,702
NE.....	18,886	21,525	24,633	25,905	26,188
NV.....	2,138	2,020	2,083	1,727	1,949
NH.....	923	1,077	1,119	1,096	1,053
NJ.....	3,356	3,493	3,998	4,032	4,273
NM.....	6,974	8,010	8,500	8,722	10,235
NY.....	8,350	8,540	8,602	8,182	8,660
NC.....	13,220	13,009	13,170	12,251	12,057
ND.....	12,319	12,951	13,203	13,770	14,904
OH.....	17,115	18,704	19,813	18,903	19,107
OK.....	15,686	15,840	17,193	16,401	16,038
OR.....	9,676	9,648	9,523	10,164	10,377
PA.....	12,939	13,106	15,367	14,637	14,232
RI.....	247	347	367	357	343
SC.....	4,197	4,616	4,977	4,727	4,930
SD.....	10,548	11,917	12,870	14,543	15,561
TN.....	11,790	12,613	12,625	12,350	12,251
TX.....	72,664	71,808	67,980	65,340	63,492
UT.....	5,101	4,803	4,747	4,396	4,554
VT.....	1,704	1,708	1,797	1,797	1,724
VA.....	10,497	10,902	11,997	13,492	11,526
WA.....	12,095	11,824	12,112	12,464	12,768
WV.....	2,343	2,523	2,599	2,268	2,313
WI.....	13,761	14,620	14,890	14,133	15,013
WY.....	5,464	5,116	4,942	5,185	5,324
48 States.....	597,110	626,909	653,511	658,451	672,235

¹ Total value of land and buildings are derived by multiplying average value per acre of farm real estate by the land in farms. Revised values for 1989-90.

Economic Research Service.

Table 536.—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 ¹	382	368	377	359	333	369	383	331
Idle cropland.....	31	31	32	33	51	26	21	68
Cropland used only for pasture.....	67	68	69	66	88	76	65	65
Grassland pasture ²	652	650	631	633	604	587	597	591
Forest land ³	601	608	601	728	723	703	655	648
Special uses ⁴				147	174	503	544	562
Other land.....	171	179	194	305	291			
Total land area ⁵	1,904	1,904	1,904	2,271	2,264	2,264	2,265	2,265

¹ Cropland harvested, crop failure, and cultivated summer fallow. ² Grassland and other nonforest pasture and range. ³ Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land. ⁴ Includes urban and transportation areas. Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads and farm roads and lanes. ⁵ 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. ⁶ These estimates are not yet available.

Economic Research Service. Estimates based on reports and records of the U.S. Department of Agriculture and Commerce, and public land administering and conservation agencies.

Table 537.—Farm real estate: Average value per acre of land and buildings, by State, Mar. 1, 1970, Feb. 1, 1988–89, and Jan. 1, 1990–91 ¹

State	Mar. 1, 1970	Feb. 1, 1988	Feb. 1, 1989	Feb. 1, 1990	Jan. 1, 1991	State	Mar. 1, 1970	Feb. 1, 1988	Feb. 1, 1989	Feb. 1, 1990	Jan. 1, 1991
	<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	800	822	839	791	NV.....	53	227	234	194	219
AZ.....	70	279	274	263	285	NH.....	239	2,112	2,237	2,237	2,148
AR.....	260	761	778	750	770	NJ.....	1,092	3,969	4,543	4,694	4,912
CA.....	479	1,575	1,657	1,704	1,787	NM.....	42	180	191	196	230
CO.....	95	369	367	358	410	NY.....	273	993	1,024	974	1,031
CT.....	921	4,171	4,417	4,417	4,240	NC.....	333	1,268	1,317	1,263	1,243
DE.....	499	1,765	2,058	2,259	2,248	ND.....	94	319	326	340	368
FL.....	355	1,790	1,887	2,085	2,133	OH.....	399	1,199	1,262	1,204	1,217
GA.....	234	920	998	1,012	995	OK.....	173	480	521	497	486
ID.....	177	572	595	661	659	OR.....	150	542	535	571	583
IL.....	490	1,262	1,383	1,389	1,433	PA.....	373	1,579	1,874	1,807	1,757
IN.....	406	1,158	1,244	1,244	1,275	RI.....	734	4,748	5,028	5,028	4,827
IA.....	392	947	1,101	1,102	1,157	SC.....	261	871	939	909	948
KS.....	159	413	435	462	467	SD.....	84	269	291	328	351
KY.....	253	896	911	981	962	TN.....	268	1,001	1,002	996	988
LA.....	321	940	954	915	905	TX.....	148	544	515	495	481
ME.....	161	962	1,019	1,019	978	UT.....	92	425	421	389	403
MD.....	640	2,261	2,462	2,420	2,196	VT.....	224	1,124	1,190	1,190	1,142
MA.....	565	3,553	3,763	3,763	3,612	VA.....	286	1,198	1,333	1,516	1,295
MI.....	326	971	983	1,005	1,085	WA.....	224	739	757	779	798
MN.....	226	700	745	805	873	WV.....	136	682	702	613	625
MS.....	234	697	713	728	754	WI.....	232	826	846	803	853
MO.....	224	640	673	679	689	WY.....	41	147	142	149	153
MT.....	60	205	209	238	243	48 States...	196	632	661	668	682
NE.....	154	457	523	550	556						

¹ 1989–90 revised.

Economic Research Service.

Table 538.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 1975-90

Item	1975 ¹	1976	1977	1978	1979	1980	1981	1982
ASSETS								
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	383.6	456.5	509.3	601.8	706.1	782.4	785.6	750.0
Non-real estate:								
Livestock ²	29.4	29.0	31.9	50.1	61.4	60.6	53.5	53.0
Machinery and motor vehicles	57.4	63.3	69.3	68.5	75.4	80.3	85.5	86.0
Crops stored on and off farms ³	20.5	20.6	20.6	23.9	30.0	32.8	30.0	26.4
Purchased inputs	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Financial assets:								
Investments in cooperatives	13.0	14.3	13.5	16.1	18.1	19.3	20.6	21.9
Other ⁴	6.9	6.9	7.0	7.1	7.3	7.4	7.6	7.3
Total ⁵	510.7	590.8	651.7	767.5	898.2	983.3	982.8	945.1
CLAIMS								
Liabilities:								
Real estate debt	45.3	50.5	58.4	66.7	79.7	89.7	98.8	101.8
Non-real estate debt to—								
Reporting institutions ⁶	31.3	35.8	40.4	46.7	55.5	59.8	65.2	67.9
Nonreporting creditors ⁷	8.4	9.8	12.0	14.0	16.3	17.4	18.4	19.1
Total liabilities ⁵	85.0	96.1	110.9	127.4	151.6	166.8	182.4	188.8
Proprietors' equity	425.7	494.7	540.8	640.1	746.7	816.5	800.4	756.3
Total ⁵	510.7	590.8	651.7	767.5	898.2	983.3	982.8	945.1
ASSETS								
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	753.4	661.7	586.1	542.2	578.6	599.4	605.1	614.4
Non-real estate:								
Livestock ²	49.5	49.5	46.3	47.8	58.0	62.2	66.2	69.1
Machinery and motor vehicles	85.8	85.0	82.9	81.5	80.0	82.0	85.8	87.4
Crops stored on and off farms ³	24.4	26.3	22.9	16.6	17.8	22.7	23.3	22.4
Purchased inputs	n.a.	2.0	1.2	2.1	3.0	3.3	2.7	2.8
Financial assets:								
Investments in cooperatives	22.8	24.3	24.3	24.4	25.3	25.1	26.1	27.6
Other ⁴	8.1	8.3	9.0	10.0	9.9	10.4	10.4	10.8
Total ⁵	944.0	857.1	772.6	724.6	772.5	805.1	819.7	834.6
CLAIMS								
Liabilities:								
Real estate debt	103.2	106.7	100.1	90.4	82.4	77.6	75.3	73.4
Non-real estate debt to—								
Reporting institutions ⁶	69.3	69.5	62.5	54.4	51.1	50.0	49.6	50.3
Nonreporting creditors ⁷	18.6	17.6	15.1	12.1	10.9	11.8	12.2	12.7
Total liabilities ⁵	191.1	193.8	177.6	157.0	144.4	139.4	137.1	136.4
Proprietors' equity	752.9	663.3	595.0	567.6	628.1	665.8	682.6	698.2
Total ⁵	944.0	857.1	772.6	724.6	772.5	805.1	819.7	834.6

¹ 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. ² Horses and mules are excluded. ³ Excludes all crops held on farms including crops under loan to Commodity Credit Corporation, and crops held off farms as security for CCC loans. ⁴ Includes farm share of currency and demand deposits. ⁵ Total of rounded data. ⁶ 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. ⁷ Loans and credits extended by dealers, merchants, finance companies, individuals, and others. ⁸ Preliminary. n.a. not available.

Economic Research Service.

Table 539.—Farm assets and claims: Comparative balance sheet of the farming sector, including farm households, United States, Dec. 31, 1975–90

Item	1975 ¹	1976	1977	1978	1979	1980	1981	1982
ASSETS								
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.....	421.0	499.8	556.5	656.0	767.8	850.1	851.7	819.1
Non-real estate:								
Livestock ²	29.4	29.0	31.9	50.1	61.4	60.6	53.5	53.0
Machinery and motor vehicles.....	63.1	70.1	76.4	76.4	82.9	86.9	92.5	92.6
Crops stored on and off farms ³	20.5	20.6	20.6	23.9	30.0	32.8	30.0	26.4
Purchased inputs.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Household furnishings and equipment.....	14.2	15.2	17.2	20.0	21.5	19.4	20.8	23.0
Financial assets:								
Investments in cooperatives.....	13.0	14.3	13.5	16.1	18.1	19.3	20.6	21.9
Other ⁴	18.4	18.7	19.0	19.7	19.9	20.0	20.3	20.9
Total ⁵	579.4	667.8	735.2	862.1	1,001.6	1,089.2	1,089.4	1,056.8
CLAIMS								
Liabilities:								
Real estate debt ⁶	49.9	55.4	63.9	72.8	86.8	97.5	107.2	111.3
Non-real estate debt to—								
Reporting institutions ⁷	33.0	37.8	42.8	49.5	59.1	63.5	69.4	72.3
Nonreporting creditors ⁸	8.6	10.0	12.2	14.3	16.6	17.7	18.8	19.5
Total liabilities ⁵	91.5	103.2	118.9	136.6	162.5	178.7	195.4	203.1
Proprietors' equity.....	488.0	564.6	616.2	725.5	839.2	910.5	894.0	853.7
Total ⁵	579.4	667.8	735.2	862.1	1,001.6	1,089.2	1,089.4	1,056.8
ASSETS								
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.....	829.3	735.0	657.0	613.0	658.6	687.0	692.1	702.6
Non-real estate:								
Livestock ²	49.5	49.5	46.3	47.8	58.0	62.2	66.2	69.1
Machinery and motor vehicles.....	92.1	91.1	83.3	86.1	84.5	86.7	90.2	91.7
Crops stored on and off farms ³	24.4	26.3	22.9	16.6	17.8	22.7	23.3	22.4
Purchased inputs.....	n.a.	2.0	1.2	2.1	3.0	3.3	2.7	2.8
Household furnishings and equipment.....	24.4	24.3	27.8	28.7	32.9	37.0	42.2	46.3
Financial assets:								
Investments in cooperatives.....	22.8	24.3	24.3	24.4	25.3	25.1	26.2	27.2
Other ⁴	21.8	23.4	25.0	29.4	31.4	32.9	32.5	34.0
Total ⁵	1,064.3	975.9	892.8	848.0	911.4	956.8	976.0	996.2
CLAIMS								
Liabilities:								
Real estate debt ⁶	113.7	112.3	105.7	95.9	87.7	83.0	80.5	78.4
Non-real estate debt to—								
Reporting institutions ⁷	73.9	74.0	66.8	58.4	54.9	53.5	53.0	53.7
Nonreporting creditors ⁸	18.9	18.0	15.4	12.4	11.1	12.0	12.5	13.0
Total liabilities ⁵	206.5	204.3	187.9	166.6	153.7	148.5	146.0	145.1
Proprietors' equity.....	857.9	771.5	704.9	681.3	757.7	808.3	830.0	851.1
Total ⁵	1,064.3	975.9	892.8	848.0	911.4	956.8	976.0	996.2

¹ 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. ² Horses and mules are excluded. ³ Does not include crops under loan to Commodity Credit Corporation. ⁴ Includes currency, demand and savings deposits, and U.S. savings bonds. ⁵ Total of rounded data. ⁶ Includes Commodity Credit Corporation storage and drying facility loans. ⁷ 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. ⁸ Loans and credits extended by dealers, merchants, finance companies, individuals, and others. ⁹ Preliminary. n.a. not available.

Economic Research Service.

Table 540.—Farm machinery and equipment: Number of specified kinds on farms, and tractor horsepower, United States, Census years ¹

Year	Tractors (exclusive of steam and garden)				Motor-trucks	Grain combines ³	Corn-heads ⁴	Pickup balers ⁵	Field forage harvesters ⁶
	Total ²	Wheel	Crawler	Horsepower					
	Thousands	Thousands	Thousands	Millions	Thousands	Thousands	Thousands	Thousands	Thousands
1950.....	3,394	3,250	144	93	2,207	714	456	196	81
1954.....	4,345	4,185	160	126	2,702	979	688	448	202
1959.....	4,688	4,489	199	153	2,834	1,042	792	680	291
1964.....	4,786	4,601	186	176	3,030	910	690	751	316
1969.....	4,622	4,419	203	203	2,985	790	635	708	304
1974.....	4,467	4,312	155	222	3,038	524	615	666	255
1978.....	n.a.	4,626	(⁹)	301	3,358	655	694	744	295
1982.....	n.a.	4,524	(⁹)	309	3,435	644	684	800	285
1987.....	n.a.	4,609	(⁹)	(⁹)	3,437	667	(⁹)	823	(⁹)

¹ Data as of December 31. Data are from Census of Agriculture. Interpolations between Census years have been discontinued. ² Includes wheel and crawler-type tractors. ³ Data for 1974 and after are for self-propelled combines only. ⁴ Includes corn pickers and picker shellers. ⁵ Does not include balers, producing bales weighing more than 200 pounds. ⁶ Data for 1978 and after do not include flail-type forage harvesters. ⁷ 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 represented on the mailing list. As a result, figures for nearly all categories are somewhat higher than they would be using the earlier base. ⁸ Discontinued after 1974. ⁹ Discontinued after 1982. n.a. not available.

Economic Research Service.

Table 541.—Population: Total and rural farm, United States, 1976-80

Year	Total population ¹	Farm population		Year	Total population ¹	Farm population	
		Number ²	Percentage of total			Number ²	Percentage of total
	Thousands	Thousands	Percent		Thousands	Thousands	Percent
Previous definition: ³				Current definition: ⁴			
1976.....	217,528	8,253	3.8	1980.....	227,719	6,051	2.7
1977.....	219,684	7,806	3.6	1981.....	229,945	5,820	2.5
1978.....	221,991	8,005	3.6	1982.....	232,171	5,628	2.4
1979.....	224,438	7,553	3.4	1983.....	234,296	5,787	2.5
1980.....	227,719	7,241	3.2	1984.....	236,343	5,754	2.4
1981.....	229,945	7,014	3.1	1985.....	238,466	5,355	2.2
1982.....	232,171	6,880	3.0	1986.....	240,658	5,226	2.2
1983.....	234,296	7,029	3.0	1987.....	242,820	4,986	2.1
				1988.....	245,051	4,951	2.0
				1989.....	247,350	4,801	1.9
				1990.....	249,975	4,591	1.8

¹ Total population includes Armed Forces overseas. April figures for 1976-79; July figures for later years. ² April-centered five quarter averages for 1976-79; annual averages of monthly data for later years. ³ 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. ⁴ Beginning 1980, 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 542.—Farm machines, selected types: Units shipped in the United States, 1976-89

Year	Moldboard plows	Subsoilers, deep tillage	Chisel plows or tillers (chisel or sweep type)	Field cultivators	Cultivators ¹	Power sprayers and dusters ²	Crop dryers (heated air)
	Number	Number	Number	Number	Number	Number	Number
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	38,356	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	15,560	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.....	5,031	2,727	6,066	9,395	9,419	39,671	9,798
1985.....	3,212	2,208	3,866	5,543	8,168	41,606	14,497
1986.....	1,902	1,000	2,805	2,817	4,110	41,506	11,043
1987.....	867	1,202	3,644	4,198	6,720	43,716	6,587
1988.....	1,574	2,102	4,596	4,207	10,154	43,832	3,923
1989.....	2,811	2,947	4,954	6,403	13,113	47,689	5,401

Year	Side delivery hay	Hay balers	Field forage harvesters	Combines (harvester threshers)	Small grain headers for combines	Corn picking units (combine attachments)	Cotton strippers and pickers ³
	Number	Number	Number	Number	Number	Number	Number
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	7,837
1982.....	10,089	24,432	6,365	22,726	24,656	7,228	5,031
1983.....	7,266	25,018	5,357	13,873	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.....	5,339	16,325	1,997	8,288	9,835	4,291	2,986
1987.....	4,230	18,002	2,209	9,484	9,212	4,485	2,978
1988.....	7,127	25,974	3,508	7,573	14,302		4,242
1989.....	10,925	33,409	3,958	11,525	20,402		4,080

Year	Peanut combines, diggers, shakers, and windrowers	Potato harvesters ⁴	Manure spreaders	Power grinders and crushers	Silo and grain bin unloaders ⁵	Milking machines ⁶	Mower-conditioners (combination) ⁷
	Number	Number	Number	Number	Number	Number	Number
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	8,035	21,415	80,392	38,171
1981.....	270	389	16,254	6,662	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	195	10,719	2,073	4,719	30,442	10,556
1987.....	1,031	260	11,815	2,537	7,273	37,517	11,738
1988.....	1,422	289	14,383	2,322	11,596	39,539	15,856
1989.....	2,888	817	13,513	2,301	13,948	38,709	17,842

¹ Row cultivators, tractor-drawn or mounted; corn and cotton type; rotary cultivators not included. ² Does not include foggers and mist sprayers. ³ Beginning in 1986, other harvesting machinery including potato diggers, corn harvesting equipment, picker-shellers, and field shelling attachments for corn pickers. ⁴ Beginning in 1987, beet harvesters are included. ⁵ Horizontal silo unloaders not included. ⁶ Includes all mechanical milking machines, vacuum pumping outfits, and complete pipeline milking units. ⁷ Includes also self-propelled windrowers.

U.S. Department of Commerce.

Table 543.—Farm machines and equipment: Value of shipments, including exports, by classes, United States, 1976-89

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
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1976.....	7,525,216	266,660	478,322	516,847	224,013	1,435,307	508,250	233,656
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	273,436	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	233,139	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.....	6,153,303	123,746	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.....	5,025,452	110,984	286,595	453,250	139,985	1,190,831	498,116	193,727
1986.....	4,355,565	75,310	211,311	371,210	81,108	1,230,124	383,434	208,657
1987.....	4,804,864	74,643	261,380	409,082	104,619	1,282,315	453,671	208,139
1988.....	6,793,524	117,725	334,498	508,566	154,471	1,422,751	574,587	193,275
1989.....	8,292,091	136,770	398,743	632,247	202,037	1,860,432	732,250	208,641

Year	Tractors for farm use ^{1 2}	Farm wagons and other farm transportation equipment ³	Sprayers and dusters	Farm elevators and blowers	Farm dairy machines and equipment	Farm poultry equipment	Hog equipment	Other barn and barnyard equipment
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
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.....	3,314,388	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	63,951	274,220
1981.....	3,414,133	212,087	248,491	117,986	159,961	144,939	41,530	257,298
1982.....	2,474,884	172,939	257,882	112,436	110,656	110,409	41,946	202,249
1983.....	1,720,680	140,300	228,465	72,576	116,133	102,443	50,490	184,566
1984.....	2,045,298	133,386	252,992	69,773	105,430	120,646	44,038	168,912
1985.....	1,154,527	105,480	244,412	66,877	92,308	109,600	35,938	156,768
1986.....	893,432	109,291	212,566	82,049	77,137	93,420	41,964	129,146
1987.....	958,597	144,632	214,484	73,648	76,584	116,763	66,415	164,142
1988.....	227,860	1,725,202	274,994	64,342	95,492	144,149	75,717	214,133
1989.....	216,733	2,207,172	302,022	59,358	110,050	157,762	64,718	215,582

¹ Beginning in 1983, only wheeled tractors included. ² For 1988 and after, attachments and parts only. ³ For 1988 and after, includes tractors. Due to concentration in the industry, tractors are no longer reported separately to avoid disclosing figures of individual companies.

U.S. Department of Commerce.

Table 544.—Farm labor: Number of workers on farms and average wage rates, by States and regions ¹

State and region ²	Workers on farms		Farm wage rates ⁴				
	Unpaid ³	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. 7-13, 1990</i>							
Northeast I.....	56	41	6.04	4.32	5.04	5.60	5.48
Northeast II.....	75	31	4.66	3.93	4.19	5.10	4.09
Appalachian I.....	84	24	4.44	4.54	4.51	4.56	4.95
Appalachian II.....	153	39	4.19	4.61	4.44	4.40	6.13
Southeast.....	93	43	4.10	5.02	4.41	4.48	6.24
FL.....	25	65	5.19	5.57	5.22	5.20	8.63
Lake.....	224	51	6.65	4.48	4.93	5.65	4.81
Cornbelt I.....	188	34	5.45	4.86	5.16	5.34	6.33
Cornbelt II.....	166	21	5.14	5.24	5.21	4.97	6.40
Delta.....	82	32	4.91	4.22	4.54	4.58	5.61
N. Plains.....	162	29	5.30	5.72	5.64	5.64	6.04
S. Plains.....	202	48	4.56	4.69	4.63	4.54	5.76
Mountain I.....	44	15	5.04	4.68	4.73	4.94	4.90
Mountain II.....	24	17	4.90	5.16	5.07	4.74	5.85
Mountain III.....	35	14	4.96	5.20	5.04	4.99	6.15
Pacific.....	72	36	6.09	6.44	6.19	6.16	7.62
CA.....	59	146	5.73	6.60	5.91	5.79	8.64
HI.....	3	9	7.72	(⁵)	7.68	7.77	12.52
US (49 States).....	1,752	695	5.34	4.99	5.18	5.30	6.26
<i>Apr. 8-14, 1990</i>							
Northeast I.....	63	39	5.75	4.94	5.31	5.58	5.52
Northeast II.....	92	36	5.45	3.85	4.98	5.37	5.70
Appalachian I.....	84	38	4.47	4.54	4.49	4.39	5.69
Appalachian II.....	176	34	4.33	4.48	4.42	4.55	4.87
Southeast.....	99	61	4.31	5.02	4.52	4.69	5.58
FL.....	19	57	5.44	4.79	5.33	5.32	7.19
Lake.....	230	64	5.38	4.84	5.01	5.08	5.74
Cornbelt I.....	219	56	4.65	5.21	4.79	4.86	7.25
Cornbelt II.....	178	37	5.22	4.77	5.01	5.22	4.87
Delta.....	87	50	4.53	4.02	4.34	4.59	4.43
N. Plains.....	192	31	5.34	4.74	4.97	5.55	5.27
S. Plains.....	210	56	4.74	4.87	4.81	4.91	5.39
Mountain I.....	53	21	5.00	4.34	4.71	5.10	4.62
Mountain II.....	32	22	5.28	4.93	5.05	5.39	5.86
Mountain III.....	34	16	4.74	4.88	4.81	4.85	5.68
Pacific.....	89	56	5.28	6.40	5.47	5.50	6.69
CA.....	68	150	5.71	6.50	5.85	5.71	8.75
HI.....	3	9	7.98	(⁵)	7.92	8.00	12.01
US (49 States).....	1,928	833	5.20	4.94	5.11	5.23	6.05

See footnotes at end of table.

Table 544.—Farm labor: Number of workers on farms and average wage rates, by States and regions ¹—Continued

State and region ²	Workers on farms		Farm wage rates ⁴				
	Unpaid ³	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 8-14, 1990</i>							
Northeast I.....	64	55	5.38	4.65	5.08	5.60	4.95
Northeast II.....	108	52	5.20	4.65	5.03	5.34	5.39
Appalachian I.....	97	74	4.40	4.87	4.48	4.36	5.14
Appalachian II.....	173	38	4.75	4.82	4.78	4.85	5.25
Southeast.....	96	62	4.10	5.05	4.23	4.24	5.39
FL.....	30	36	5.32	5.59	5.36	5.48	6.82
Lake.....	239	116	5.06	4.26	4.75	4.95	4.84
Cornbelt I.....	264	67	5.18	4.93	5.09	5.28	5.79
Cornbelt II.....	209	47	4.49	4.81	4.61	4.69	5.18
Delta.....	93	45	4.41	4.30	4.39	4.28	5.06
No. Plains.....	235	51	5.05	5.29	5.08	5.24	5.02
So. Plains.....	237	69	4.32	4.26	4.30	4.29	5.18
Mountain I.....	65	29	4.58	4.83	4.69	4.98	4.58
Mountain II.....	44	29	4.71	4.95	4.71	4.73	5.48
Mountain III.....	35	19	4.51	5.16	4.71	4.79	5.96
Pacific.....	85	115	5.25	6.33	5.30	5.16	7.42
CA.....	91	191	5.68	6.64	5.78	5.52	9.33
HI.....	4	11	7.97	(⁵)	7.88	8.08	11.45
US (49 States).....	2,229	1,106	5.05	4.90	5.02	5.06	5.75
<i>Oct. 7-13, 1990</i>							
Northeast I.....	60	52	6.17	4.50	5.41	5.83	4.85
Northeast II.....	97	42	5.45	4.54	5.16	5.62	5.08
Appalachian I.....	89	42	4.59	4.39	4.52	4.68	4.88
Appalachian II.....	181	50	4.43	4.79	4.58	4.61	5.41
Southeast.....	87	28	4.97	4.63	4.83	5.16	4.82
FL.....	28	48	5.68	5.48	5.64	5.76	7.92
Lake.....	258	77	5.21	4.61	4.97	5.52	4.65
Cornbelt I.....	265	61	5.29	5.16	5.25	5.49	6.05
Cornbelt II.....	221	41	4.78	5.20	4.95	5.20	5.95
Delta.....	87	43	4.33	4.66	4.39	4.29	5.47
No. Plains.....	215	39	5.40	5.00	5.28	5.85	4.97
So. Plains.....	235	65	4.74	4.78	4.76	4.72	5.44
Mountain I.....	54	33	5.06	4.47	4.92	5.15	4.67
Mountain II.....	33	28	5.24	5.04	5.17	5.61	5.16
Mountain III.....	37	17	5.04	4.90	4.98	5.24	5.74
Pacific.....	65	73	6.37	5.87	6.28	5.86	7.85
CA.....	71	186	5.67	6.50	5.75	5.69	8.62
HI.....	4	10	8.02	(⁵)	7.89	8.04	11.40
US (49 States).....	2,087	935	5.41	5.00	5.30	5.44	5.84

¹ Excludes agricultural service workers. ² 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. ³ Includes farm operators doing 1 or more hours of farm work and other unpaid workers working 15 hours or more during survey week. ⁴ Includes all persons doing work for pay during survey week. ⁵ Insufficient data. National Agriculture Statistics Service.

Table 545.—Farm labor: Number of workers on farms, average wage rates, and indexes, United States, 1978-90¹

Year	Total workers		Unpaid workers ²		Hired workers ³		Hired farm workers ³	
	Number of workers	Index ⁴ 1977=100	Number of workers	Index ⁴ 1977=100	Number of workers	Index ⁴ 1977=100	Wage rates	Index ⁴ 1977=100
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 ⁵	3,956.6	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.....	3,688.5	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	81	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	2,881.9	89	1,807.4	97	3.23	117
Oct.....	3,943.5	95	2,525.1	89	1,418.4	100	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.....	.....	.....	.....	.....	.....	.....	.....	.....
Jan.....	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
July.....	.....	.....	.....	.....	.....	.....	.....	.....
1983.....	3,749.0	74	2,271.0	71	1,478.0	79	4.11	148
July.....	.....	.....	.....	.....	.....	.....	.....	.....
1984.....	3,750.0	74	2,315.0	73	1,485.0	77	4.16	150
July.....	3,059.0	74	2,034.0	72	1,025.0	78	4.56	153
1985.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr.....	2,821.0	68	1,914.0	64	907.0	78	4.51	160
July.....	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.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr.....	2,718.0	66	1,808.0	61	910.0	79	4.71	167
July.....	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.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr.....	2,636.0	64	1,751.0	59	885.0	76	4.90	174
July.....	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
1988.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr.....	2,732.0	66	1,796.0	60	936.0	81	5.00	177
July.....	3,218.0	64	2,018.0	63	1,200.0	64	4.90	177
Oct.....	2,913.0	70	1,937.0	68	976.0	74	5.18	173
1989.....	.....	.....	.....	.....	.....	.....	.....	.....
Jan.....	2,322.0	72	1,621.0	67	701.0	86	5.51	186
Apr.....	2,607.0	63	1,777.0	60	830.0	72	5.35	190
July.....	3,448.0	68	2,251.0	71	1,197.0	64	5.23	189
Oct.....	3,076.0	74	2,093.0	74	983.0	75	5.42	181
1990.....	.....	.....	.....	.....	.....	.....	.....	.....
Jan.....	2,447.0	76	1,752.0	73	695.0	85	5.70	193
Apr.....	2,761.0	67	1,928.0	65	833.0	72	5.54	196
July.....	3,335.0	66	2,229.0	70	1,106.0	59	5.30	191
Oct.....	3,022.0	73	2,087.0	74	935.0	71	5.64	189

¹ For 1975 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. ² 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. ³ Includes all persons doing farm work for pay during the survey week. ⁴ Index is not seasonally adjusted. ⁵ Hawaii included in U.S. average beginning 1978.

National Agricultural Statistics Service.

Table 546.—Workers who did only hired farm work: Number of workers, average days worked and earnings received, United States, selected years 1975–88 ¹

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>
1975.....	972	171	3,082	1982 ²			
1976.....	1,068	160	3,176	1983.....	1,118	172	5,544
1977.....	1,133	170	3,592	1984 ²			
1978 ²				1985.....	1,007	196	6,251
1979.....	1,168	169	4,126	1986 ²			
1980 ²				1987.....	1,004	194	5,987
1981.....	1,035	179	4,986	1988 ³			

¹ 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 547 which estimates farm employment from a survey of farm operators. ² Beginning in 1977, the survey was conducted biennially. ³ Data series ends with 1987; the survey was discontinued.

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 547.—All hired farm workers: Number and sex of workers, average days worked and earnings received, United States, selected years 1975–88 ¹

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>
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 ²								
1979.....	2,652	2,075	576	1,753	190	150	4,883	3,605
1980 ²								
1981.....	2,492	1,918	574	1,523	188	154	5,281	4,214
1982 ²								
1983.....	2,595	2,017	578	1,623	191	155	5,934	4,878
1984 ²								
1985.....	2,522	1,980	542	1,579	211	165	6,838	5,047
1986 ²								
1987.....	2,463	1,961	501	1,606	217	167	7,437	5,033
1988 ³								

¹ 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 547 which estimates farm employment from a survey of farm operators. ² Beginning in 1977, survey data were collected biennially. ³ Data series ends with 1987; the survey was discontinued.

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 548.—Crops: Area, yield, production, and value, United States, 1988-90 ¹

Crop	Area harvested ²			Yield per harvested acre ³				Production			Value of production		
	1988	1989	1990 ⁴	Unit	1988	1989	1990 ⁴	1988	1989	1990 ⁴	1988	1989	1990 ⁴
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>					<i>Thou-</i>	<i>Thou-</i>	<i>Thou-</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Corn for grain.....	58,250	64,703	66,952	Bushel.....	84.6	116.3	118.5	4,928,681	7,525,493	7,933,068	12,661,362	17,896,810	18,008,938
Corn for silage.....	8,294	6,606	6,124	Ton.....	9.5	13.0	14.2	78,791	86,109	86,844	(⁵)	(⁵)	(⁵)
Wheat, all ⁶	53,189	62,189	69,353	Bushel.....	34.1	32.7	39.5	1,812,201	2,036,618	2,738,594	6,683,999	7,542,464	7,298,833
Winter ⁷	39,800	41,509	49,976	Bushel.....	39.2	35.0	40.7	1,561,910	1,454,642	2,033,299	5,684,359	5,450,176	5,498,563
Durum.....	2,847	3,673	3,502	Bushel.....	15.7	25.1	34.9	44,831	92,229	122,171	203,923	316,838	323,834
Other spring.....	10,542	17,007	15,875	Bushel.....	19.5	28.8	36.7	205,460	489,747	583,124	795,717	1,775,450	1,476,436
Oats ⁸	5,533	6,882	5,940	Bushel.....	39.3	54.3	60.1	217,600	373,587	357,149	532,621	548,938	408,192
Barley ⁸	7,636	8,313	7,499	Bushel.....	38.0	48.6	55.9	289,994	404,203	418,856	775,228	968,180	905,923
Rye.....	595	484	373	Bushel.....	24.7	28.2	27.1	14,689	13,647	10,098	37,006	28,099	21,158
Flaxseed.....	226	163	253	Bushel.....	7.1	7.5	15.1	1,615	1,215	3,812	12,200	8,724	20,855
Rice.....	2,900.0	2,687.0	2,813.0	Cwt.....	5,514	5,749	5,507	159,897	154,487	154,919	1,091,817	1,134,039	991,482
Sorghum for grain.....	9,042	11,103	9,079	Bushel.....	63.8	55.4	62.9	576,686	615,420	571,483	1,337,424	1,287,738	1,201,581
Sorghum for silage.....	518	541	537	Ton.....	10.1	10.4	10.2	5,252	5,647	5,480	(⁵)	(⁵)	(⁵)
Cotton lint.....	11,948.2	9,537.7	11,731.6	Bale.....	619	614	634	15,411.5	12,195.6	15,499.4	4,190,488	3,877,888	5,106,539
Cottonseed.....				Ton.....				6,061.8	4,677.4	5,966.5	718,255	492,636	739,238
Hay, all.....	65,055	63,300	61,557	Ton.....	1.94	2.30	2.39	126,010	145,512	146,985	10,457,326	11,514,044	11,138,492
Beans, dry edible.....	1,353.0	1,650.9	2,086.4	Cwt. ⁹	1,423	1,437	1,554	19,253	23,729	32,429	575,148	676,635	609,334
Soybeans for beans.....	57,373	59,538	56,502.4	Bushel.....	27.0	32.3	34.0	1,548,841	1,923,666	1,921,787	11,487,742	10,916,145	11,214,561
Peanuts for nuts.....	1,628.4	1,644.7	1,809.5	Pound.....	2,445	2,426	1,991	3,980,917	3,989,995	3,602,770	1,115,202	1,116,452	1,260,174
Potatoes.....	1,259.3	1,281.5	1,370.6	Cwt.....	283	289	289	356,438	370,444	402,110	2,143,971	2,716,963	2,409,052
Sunflower.....	1,921	1,786	1,851	Pound.....	933	985	1,229	1,791,970	1,759,960	2,274,405	208,875	190,452	245,347
Sweetpotatoes.....	85.5	86.0	90.4	Cwt.....	128	132	144	10,945	11,358	13,200	141,202	186,279	193,390
Taro.....	.4	.4	.4	Ton.....	16,200	15,100	13,800	6,800	6,500	5,800	1,904	1,996	2,262
Tobacco.....	634.0	678.2	732.7	Pound.....	2,160	2,016	2,218	1,369,500	1,367,188	1,625,147	2,254,206	2,335,052	2,785,573
Sugar cane for sugar and seed.....	845.3	851.9	794.2	Ton.....	35.4	34.5	35.4	29,904	29,426	28,136	877,817	857,678	.....
Sugarbeets.....	1,300.7	1,294.5	1,376.2	Ton.....	19.1	19.4	20.0	24,810	25,181	27,538	1,022,284	1,058,298	.....
Mint oil.....	103.1	127.2	135.5	Pound.....	69	67	70	7,105	8,498	9,518	107,706	112,698	134,923
Hops.....	33.4	34.5	35.5	Ton.....	1,638	1,717	1,603	54,696.0	59,326.4	56,584.8	76,415	81,582	83,674
Apples, commercial crop.....	463.6	479.0	485.5	Ton.....	19,700	20,800	20,000	9,128,000	9,962,800	9,696,800	1,149,723	1,034,437	1,448,674
Peaches.....	183.8	185.5	185.5	Pound.....	14,200	12,600	11,900	2,614,100	2,334,800	2,205,200	382,182	360,751	365,443
Pears.....	69.3	70.0	71.0	Ton.....	12.40	13.10	13.60	860,850	916,800	963,800	235,423	253,602	264,294
Grapes.....	760.8	745.0	742.6	Ton.....	8.20	7.96	7.62	6,033,700	5,930,850	5,659,900	1,607,098	1,862,848	1,662,104
Cherries, sweet.....	47.5	48.6	49.2	Ton.....	3.92	3.98	3.18	186,200	193,450	156,730	143,300	136,125	118,589
Cherries, tart.....	49.3	49.3	48.7	Pound.....	4,790	5,360	4,290	236,200	264,100	208,800	43,775	35,348	36,635
Apricots.....	19.2	18.7	18.1	Ton.....	5.28	6.41	6.75	101,600	120,000	122,450	33,927	40,222	41,225
Plums (California).....	42.8	40.6	41.7	Ton.....	5.05	5.32	5.32	216,000	216,000	222,000	102,661	96,146	139,804
Prunes, dried (California).....	77.2	77.4	78.0	Ton.....	1.96	2.92	1.88	151,000	226,000	147,000	118,082	176,054	125,097
Prunes and plums, fresh basis (excluding California).....	9.6	9.8	10.0	Ton.....	5.43	4.79	4.78	52,000	47,000	47,800	8,805	9,079	8,516
Figs ¹⁰	17.7	16.9	16.7	Ton.....	3.14	2.84	2.75	55,500	48,000	46,000	19,530	18,341	15,082
Nectarines.....	25.3	24.4	25.4	Ton.....	7.91	8.20	8.31	200,000	200,000	211,000	78,861	79,645	99,940

See footnotes at end of table.

Table 548.—Crops: Area, yield, production, and value, United States, 1988-90 ¹—Continued

Crop	Area harvested ²			Yield per harvested acre ³			Production			Value of production			
	1988	1989	1990 ⁴	Unit	1988	1989	1990 ⁴	1988	1989	1990 ⁴	1988	1989	1990 ⁴
	1,000 acres	1,000 acres	1,000 acres					Thou- sands	Thou- sands	Thou- sands	1,000 dollars	1,000 dollars	1,000 dollars
Olives.....	31.5	29.8	30.4	Ton.....	2.78	4.13	4.31	87,500	123,000	131,000	45,316	57,458	64,326
Dates.....	5.1	5.0	5.0	Ton.....	4.31	4.40	4.80	22,000	22,000	24,000	19,712	22,880	20,880
Kiwifruit.....	7.1	7.2	7.3	Ton.....	4.61	5.56	5.34	32,700	40,000	39,000	22,420	14,800	14,110
Avocados ¹¹	86.4	85.9	83.4	Ton.....	2.23	1.62	1.74	192,600	139,050	145,050	220,110	250,940	188,811
Bananas.....	1.1	1.0	.9	Pound.....	12.3	11.9	12.2	13,200	11,900	11,300	4,356	4,344	4,294
Papayas.....	2.3	2.5	2.4	Pound.....	n.a.	n.a.	n.a.	69,000	74,000	68,500	12,354	14,380	14,805
Pineapples.....	34.6	32.7	30.9	Ton.....	n.a.	n.a.	n.a.	659,000	580,000	575,000	107,402	98,310	99,255
Pomegranates.....	3.5	3.1	(⁵)	Ton.....	5.71	6.13	(⁵)	20,000	19,000	(⁵)	6,454	4,906	(⁵)
Cranberries.....	27.3	27.5	27.8	Barrel.....	149.5	136.3	123.6	4,080,000	3,747,000	3,436,000	186,340	164,720	152,830
Strawberries.....	47.2	46.1	45.2	Cwt.....	250	248	278	11,791	11,420	12,573	544,279	537,756	593,739
Oranges ¹²	588.7	597.8	612.7	Box.....	355	308	294	209,500	184,415	180,050	1,848,467	1,468,899	1,671,990
Grapefruit ¹²	150.2	147.3	133.4	Box.....	463	335	416	69,500	49,300	55,500	416,041	371,897	380,764
Lemons ¹²	63.9	63.3	62.1	Box.....	313	294	306	20,000	18,600	19,000	234,955	279,825	294,534
Limes ¹²	6.6	6.7	6.2	Box.....	189	246	234	1,250	1,650	1,450	21,474	27,584	27,859
Tangerines ¹²	19.3	19.8	20.2	Box.....	290	199	191	5,590	3,950	3,850	83,075	57,083	77,753
Tangelos ¹²	9.5	8.9	8.0	Box.....	400	331	331	3,800	2,950	2,650	31,392	20,778	21,845
Templets ¹²	9.3	8.0	7.7	Box.....	403	175	325	3,750	1,400	2,500	27,344	10,668	19,726
Pecans.....	n.a.	n.a.	n.a.	Pound.....	n.a.	n.a.	n.a.	308,200	250,500	205,000	166,658	179,040	247,590
Pistachios.....	47.2	50.9	49.8	Pound.....	1,990	766	2,370	94,000	39,000	118,000	114,680	63,570	127,440
Walnuts.....	177.0	179.0	181.0	Ton.....	1.18	1.28	1.25	208,000	228,000	227,000	192,698	245,030	229,270
Almonds.....	419.0	411.0	411.0	Pound.....	1,410	1,190	1,610	590,000	490,000	660,000	600,075	480,930	591,560
Hazelnuts (filberts).....	26.5	27.5	28.2	Ton.....	62	47	77	16,500	13,000	21,700	14,082	10,664	17,011
Macadamia nuts.....	16.6	18.2	18.4	Ton.....	2,740	2,770	2,720	45,500	50,500	50,000	40,950	44,945	41,000
Coffee.....	2.2	2.3	2.4	Pound.....	930	1,390	1,130	2,000	3,200	2,700	6,600	12,480	7,020
Commercial vegetables:													
Beans, snap ¹⁴	217.7	249.0	245.9	Ton.....	2.70	3.49	3.23	588,280	869,700	795,550	98,630	151,379	145,230
Broccoli.....	114.4	116.8	110.8	Cwt.....	112	116	111	12,792	13,513	12,345	292,240	276,050	268,220
Carrots.....	97.6	101.9	94.4	Cwt.....	265	284	310	25,867	28,987	29,237	267,552	297,227	272,743
Cauliflower.....	62.8	67.7	65.8	Cwt.....	125	116	119	7,874	7,846	7,855	202,113	204,840	190,350
Celery.....	34.0	35.3	37.7	Ton.....	572	574	526	19,423	20,276	19,795	230,762	268,266	214,501
Corn, sweet ¹⁴	626.8	642.7	675.4	Cwt.....	5.01	5.84	5.85	3,140.5	3,756.1	3,953.5	360,266	470,076	466,852
Honeydew melons.....	31.2	29.9	26.5	Ton.....	168	172	171	5,241	5,131	4,520	75,341	62,334	81,636
Lettuce.....	239.8	243.3	231.3	Cwt.....	294	309	318	70,505	75,231	73,443	1,040,366	950,278	846,973
Onions.....	129.0	132.7	138.3	Cwt.....	362	361	382	46,733	47,902	52,781	413,996	496,971	488,786
Peas, green ¹³	283.9	316.5	341.1	Ton.....	1.10	1.59	1.55	313,140	504,660	528,150	73,166	119,963	131,494
Tomatoes ¹⁴	414,620	462,090	488,990	Ton.....	22.2	24.4	24.6	9,202.7	11,279.4	12,033.5	1,422,163	1,848,252	1,622,497

CROP AREA, YIELD, PRODUCTION, AND VALUE

¹ Hawaii is included in commercial vegetables and in area and production of sugarcane, but is excluded from other crops. ² Bearing acreage for noncitrus fruits. ³ Yield per bearing acre for noncitrus fruits. ⁴ Preliminary. ⁵ Discontinued. ⁶ Includes area seeded in preceding fall. ⁷ Area seeded in preceding fall. ⁸ Yield in pounds. ⁹ Clean basis. ¹⁰ Fresh basis. ¹¹ Year of bloom. ¹² 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. ¹³ Processing only. ¹⁴ For breakdown between fresh market and processing, see individual crop tables. n.a. not available.

National Agricultural Statistics Service.

Table 549.—Crops: Area, United States, 1976-90

Year	Principal crops				Commercial vegetables, harvested area ⁵	Fruits and planted nuts, bearing area ⁶
	Harvested area			Planted area total ⁴		
	Feed grains ¹	Food grains ²	Total ³			
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
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	3,544.4
1983.....	80,263	64,451	293,886	309,536	2,132.7	3,572.0
1984.....	106,633	70,709	335,654	345,110	2,441.7	3,545.2
1985.....	111,729	67,904	330,942	342,224	2,462.5	3,493.7
1986.....	101,583	63,709	311,240	327,301	2,308.9	3,431.9
1987.....	86,381	58,949	289,422	304,945	2,434.6	3,457.8
1988.....	80,461	56,684	283,846	308,170	2,471.4	3,485.0
1989.....	91,001	65,360	305,597	317,083	2,620.5	3,494.9
1990.....	89,470	72,539	309,051	319,506	2,667.3	3,540.2

¹ Corn for grain, oats, barley, and sorghum for grain. ² Wheat, rye, and rice. ³ Crop area included is for corn, sorghum, oats, barley, wheat, rice, rye, soybeans, flaxseed, peanuts, sunflower, 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. ⁴ Crop area included is as follows: Planted acres for corn, sorghum, oats, barley, durum and other spring wheat, rice, soybeans, flaxseed, peanuts, sunflower, cotton, dry edible beans, potatoes, sweetpotatoes, and sugarbeets; harvested acres for winter wheat, rye, all hay, tobacco and sugarcane; popcorn. Beginning 1986 also includes dry edible peas, Austrian winter peas and lentils. ⁵ 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. ⁶ Includes the following fruits and nuts: Citrus fruits—oranges, tangerines, lemons, grapefruit, 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 550.—Harvested crops: Area required for specified purposes, United States, 1976-90

Year	Crops harvested ¹	Area used for producing—				Total population July 1 ³	Year	Crops harvested ¹	Area used for producing—				Total population July 1 ³
		Export products ²	Products for domestic use		Total				Export products ²	Products for domestic use		Total	
			Million acres	Million acres						Per capita	Million acres			Million acres	Per capita
1976.....	337	97	240	1.10	218	1983.....	306	124	182	.77	235		
1977.....	345	112	233	1.06	220	1984.....	348	96	252	1.06	237		
1978.....	338	114	224	1.00	223	1985.....	342	81	261	1.09	239		
1979.....	348	125	223	.99	225	1986.....	325	96	229	.95	242		
1980.....	352	137	215	.94	228	1987.....	302	106	196	.80	244		
1981.....	366	129	237	1.03	230	1988.....	298	118	180	.73	246		
1982.....	362	113	249	1.07	232	1989.....	318	103	215	.86	249		
						1990 ⁴	322	83	239	.95	251		

¹ Area in principal crops harvested as reported by The Agricultural Statistics Board, NASS, plus area in vegetables, fruits, tree nuts, and farm gardens. ² 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. ³ Includes persons in our military forces in this country and abroad. ⁴ Preliminary.

Economic Research Service.

Table 551.—Total farm input: Index numbers of farm input by major subgroups, United States, 1976-90

[1977=100]

Year	Total input	Farm labor	Farm real estate	Mechanical power and machinery	Agricultural chemicals ¹	Feed, seed, and livestock purchases ²	Taxes and interest	Miscellaneous
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	123	108	99	108
1982.....	98	93	102	89	118	107	94	116
1983.....	96	97	101	86	102	103	98	101
1984.....	95	92	99	85	120	103	90	110
1985.....	91	85	97	80	115	102	92	116
1986.....	89	80	96	77	109	109	93	110
1987.....	89	78	95	74	111	116	93	135
1988.....	87	75	94	74	112	111	89	126
1989.....	87	76	93	73	119	113	86	122
1990 ³	88	80	93	71	122	113	89	133

¹ Includes fertilizer, lime, and pesticides. ² Nonfarm portion of feed, seed, and livestock purchases. ³ Preliminary.

Economic Research Service.

Table 552.—Farm production and output: Index numbers of total output, and gross production of livestock and crops, by groups, United States, 1975-90

[1977=100]

Year	Farm output	Livestock and products ¹					Crops								
		All livestock and products ²	Meat animals ³	Dairy products ⁴	Poultry and eggs ⁵	All crops ⁶	Feed grains ⁷	Hay and forage ⁸	Food grains ⁹	Vegetables ¹⁰	Fruits and nuts ¹¹	Sugar crops ¹²	Cotton	Tobacco	Oil crops ¹³
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	99	101	76	106	105
1979.....	111	104	103	101	114	113	116	108	108	107	105	94	102	80	129
1980.....	104	108	107	105	115	101	97	98	121	104	119	97	79	93	99
1981.....	118	109	106	108	119	117	121	106	144	111	111	107	109	108	114
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	116	133	109	123	106	107	117	112	106	69	63	110
1987.....	110	113	102	116	144	108	106	102	107	126	137	111	103	62	108
1988.....	102	116	105	118	148	92	73	89	98	115	137	105	107	72	89
1989.....	114	116	105	117	153	107	108	101	107	130	129	105	86	71	106
1990 ¹⁴	119	118	104	120	162	114	112	102	136	135	134	107	109	84	107

¹ Production of livestock and livestock products for human use, horses and mules excluded. ² Includes clipped wool, mohair, honey, and beeswax. These items are not included in the separate groups of livestock and products shown. ³ Cattle and calves, sheep and lambs, and hogs. ⁴ Butter, butterfat, whole milk, retail milk, and milk consumed on farms. ⁵ Chicken eggs, commercial broilers, chickens, and turkeys. ⁶ Includes production of hayseeds, pasture seeds and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. ⁷ Corn for grain, oats, barley, and sorghum grain. ⁸ All hay, sorghum forage, corn silage, and sorghum silage. ⁹ All wheat, rye, and rice. ¹⁰ Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market having value. ¹¹ 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. ¹² Sugarbeets, sugarcane for sugar and seed, sugarcane sirup, and maple sirup. ¹³ Soybeans, peanuts harvested for nuts, cottonseed, and flaxseed. ¹⁴ Preliminary.

Economic Research Service.

Table 553.—Livestock and livestock products: Production and value, United States, 1988-90

Product	Production ¹			Value of production		
	1988	1989	1990 ²	1988	1989	1990 ²
	<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	40,557,450	40,240,800	40,742,658	27,219,863	28,090,566	30,519,406
Sheep and lambs.....	707,148	775,620	757,236	420,164	445,777	361,097
Hogs.....	21,669,557	21,941,772	21,275,064	9,145,473	9,294,438	11,333,382
Chickens ³	22,464,480	23,978,816	25,633,600	7,435,105	8,777,668	8,366,284
Turkeys.....	5,069,056	5,465,453	6,041,836	1,951,349	2,234,422	2,383,179
Milk.....	145,152,000	144,239,000	148,284,000	17,920,334	19,687,530	20,483,373
Wool (shorn).....	89,482	89,220	88,277	124,993	110,537	69,655
Mohair ⁴	15,400	15,400	14,500	28,876	24,794	13,775
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>			
Eggs.....	69,655,000	67,236,000	67,832,000	3,066,739	3,861,469	4,044,696

¹ 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. ² Preliminary. ³ Including commercial broiler production. Pounds sold replace production of chickens. ⁴ Texas only.

National Agricultural Statistics Service.

Table 554.—Agricultural productivity: Index numbers of farm output per unit of input, United States, 1976-90

[1977=100]

Year	Productivity ¹	Year	Productivity ¹	Year	Productivity ¹
1976.....	98	1981.....	116	1986.....	124
1977.....	100	1982.....	119	1987.....	124
1978.....	101	1983.....	100	1988.....	116
1979.....	105	1984.....	118	1989.....	130
1980.....	101	1985.....	129	1990 ²	135

¹ Productivity is the output-input ratio. The ratio is obtained by dividing the index of farm output in table 556 by the index of total input in table 551. ² Preliminary.

Economic Research Service.

Table 555.—Labor: Indexes of farm production per hour, by farming regions, 1975-90 ¹

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lach-ian	South-east	Delta States	South-ern Plains	Moun-tain	Pac-ific	United States
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	118
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.....	88	96	114	166	166	221	178	118	140	166	139
1987.....	99	90	112	167	161	222	183	135	123	210	142
1988.....	98	80	103	145	165	243	204	108	141	211	135
1989.....	97	97	131	151	179	229	193	130	142	187	147
1990 ²	91	91	117	171	165	230	197	120	136	187	142

¹ New, survey-based labor series. Not directly comparable to previous year's tables of labor usage. ² Preliminary.

Economic Research Service.

Table 556.—Farm output: Index numbers by farming regions,¹ 1975-90

[1977 = 100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacif-ic	United States
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	114	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.....	111	110	116	128	100	104	96	86	115	117	111
1987.....	106	105	108	122	99	108	104	91	118	132	110
1988.....	100	85	87	103	104	117	114	97	111	133	102
1989.....	109	109	113	112	114	118	107	92	121	135	114
1990 ²	112	114	115	132	116	115	115	103	126	140	119

¹ For States included in regions, see footnote 1, table 582. ² Preliminary.
Economic Research Service.

Table 557.—Cropland used for crops: Index numbers by farming regions,¹ 1976-90

[1977 = 100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacif-ic	United States
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.....	89	82	87	95	89	71	81	76	97	90	88
1988.....	85	83	89	93	85	71	83	73	92	87	87
1989.....	88	87	95	95	91	73	78	78	95	89	90
1990 ²	86	87	94	97	91	70	81	81	93	88	90

¹ 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 582. ² Preliminary.
Economic Research Service

Table 558.—Crop production per acre of cropland used for crops: Index numbers by regions,¹ 1976-90

[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
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.....	113	114	124	131	96	122	106	93	112	122	116
1987.....	115	122	123	127	97	143	120	114	125	147	123
1988.....	101	80	85	100	106	154	133	119	114	149	106
1989.....	115	116	115	107	111	149	126	101	124	148	119
1990 ²	126	125	120	133	115	142	132	114	131	154	127

¹ For States included in regions, see footnote 1, table 582. ² Preliminary.
Economic Research Service.

Table 559.—Industrial production and income: Index numbers of production in selected lines, United States, 1976-90

Year	Industrial production ¹				
	Total	Manufacturing	Durable manufacturing	Nondurable manufacturing	Mining
	<i>1987=100</i>	<i>1987=100</i>	<i>1987=100</i>	<i>1987=100</i>	<i>1987=100</i>
1976.....	72.4	67.4	62.6	74.6	98.9
1977.....	78.2	73.3	68.7	80.1	101.5
1978.....	82.6	77.3	73.9	83.5	104.6
1979.....	85.7	80.9	73.3	84.6	106.6
1980.....	84.1	78.8	75.7	83.1	110.0
1981.....	85.7	80.3	77.4	84.5	114.3
1982.....	81.9	76.6	72.7	82.5	109.3
1983.....	84.9	80.9	76.8	87.0	104.8
1984.....	92.8	89.3	88.4	90.3	111.9
1985.....	94.4	91.6	91.8	91.5	109.0
1986.....	95.3	94.3	93.9	94.9	101.0
1987.....	100.0	100.0	100.0	100.0	100.0
1988.....	105.4	105.8	107.6	103.6	101.8
1989.....	108.1	108.9	110.9	106.4	100.5
1990 ²	109.2	109.9	111.6	107.8	102.6

¹ Data from Board of Governors of the Federal Reserve System. ² Preliminary.
Economic Research Service.

Table 560.—Marketing bill for U.S. farm foods, farm value, and consumer expenditures, 1976-90 ¹

Year	Total marketing bill	Farm value	Expenditures for farm foods	Year	Total marketing bill	Farm value	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>
1976.....	125.0	58.3	183.3	1984.....	242.2	89.8	332.0
1977.....	132.7	58.2	190.9	1985.....	259.0	86.4	345.4
1978.....	147.4	69.5	216.9	1986.....	270.8	88.8	359.6
1979.....	166.0	79.2	245.2	1987.....	285.1	90.4	375.5
1980.....	182.7	81.7	264.4	1988.....	301.9	96.8	398.8
1981.....	206.0	81.7	287.7	1989.....	315.6	103.8	419.4
1982.....	217.5	81.4	298.9	1990 ²	334.2	106.6	440.8
1983.....	229.7	85.3	315.0				

¹ The total marketing bill is the difference between total expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. It relates only to food purchased by consumers that is not imported or exported. ² Preliminary.

Economic Research Service.

Table 561.—Marketing costs for farm food products, United States, 1976-90

Year	Labor ¹	Packaging materials	Intercity transportation, rail and truck	Fuels and electricity	Corporate profits before taxes	Other ²	Total marketing bill ³
	<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>
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	9.9	37.1	147.4
1979.....	75.2	18.6	11.8	8.2	10.0	42.3	166.1
1980.....	81.5	21.0	13.0	9.0	9.9	48.3	182.7
1981.....	91.0	22.6	14.3	10.0	9.7	58.4	206.0
1982.....	96.6	23.7	14.7	11.0	9.3	62.2	217.5
1983.....	102.4	24.7	15.4	11.7	9.6	65.9	229.7
1984.....	109.3	26.2	15.9	12.5	9.6	68.7	242.2
1985.....	115.6	26.9	16.5	13.1	10.4	76.5	259.0
1986.....	122.9	27.7	16.8	13.2	10.3	79.9	270.8
1987.....	130.0	29.9	17.2	13.6	11.1	83.3	285.1
1988.....	137.9	32.6	17.8	14.1	11.6	87.9	301.9
1989.....	145.1	35.2	18.6	15.3	11.8	89.6	315.6
1990 ⁴	153.8	36.2	19.6	16.3	14.1	94.2	334.2

¹ 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. ² Includes depreciation, rent, advertising and promotion, interest, taxes, licenses, insurance, professional services, local for-hire transportation, food service in schools, colleges, hospitals, and other institutions, and miscellaneous items. ³ 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. ⁴ Preliminary.

Economic Research Service.

Table 562.—Price components for a market basket of farm-originated food products by food group, United States, 1976–90¹

Year	Market basket of food products				Bakery and cereal products			
	Retail cost ²	Farm value ³	Farm to retail spread ⁴	Farm value share of retail cost	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>
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.....	112	97	119	30	115	71	121	8
1988.....	117	100	125	30	122	93	126	9
1989.....	125	107	134	30	132	102	137	9
1990 ⁵	134	112	145	30	140	91	147	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>
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.....	110	101	118	47	128	113	136	29
1988.....	112	100	125	45	137	111	150	27
1989.....	117	104	130	45	148	117	164	26
1990 ⁵	128	117	140	46	162	126	180	26

	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>
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.....	106	93	118	42	108	74	121	18
1988.....	108	91	125	40	113	103	117	25
1989.....	116	99	131	41	121	96	131	21
1990 ⁵	126	102	150	38	126	107	133	23

See footnotes at end of table.

Table 562.—Price components for a market basket of farm-originated food products by food group, United States, 1976-90 ¹—Continued

Year	Retail cost ²	Farm value ³	Farm to retail spread ⁴	Farm value share of retail cost	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
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.....	113	94	134	45	109	111	108	24
1988.....	121	110	133	49	118	137	112	28
1989.....	133	117	151	47	125	134	122	25
1990 ⁵	132	108	161	44	133	133	133	24

¹ The market basket consists of foods that mainly originate on U.S. farms bought in foodstores in a base period, currently 1982-84. ² Indexes of retail cost are components of the Consumer Price Index published by the Bureau of Labor Statistics. ³ Gross return or payment to farmers for the farm products equivalent to foods in the market basket. ⁴ 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. ⁵ Preliminary.

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Table 563.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1989 and 1990

Commodity and unit	Marketing year average price ¹		Parity price ³		
	1989 ²	1990 ²	1989 ²	1990 ²	
	Dollars	Dollars	Dollars	Dollars	
Basic commodities:					
Cotton:					
American Upland.....	pound....	0.636	0.664	1.36	1.40
Extra long staple.....	pound....	.971	1.040	1.96	1.99
Wheat.....	bushel....	3.72	2.61	7.45	7.71
Rice.....	cwt....	7.35	6.50	20.40	20.70
Corn.....	bushel....	2.36	2.30	5.26	5.45
Peanuts.....	pound....	.278	.341	.496	.521
Tobacco:					
Flue-cured, types 11-14.....	pound....	1.674	1.673	3.14	3.25
Va., fire-cured, type 21.....	pound....	1.537	1.602	2.43	2.54
Ky.-Tenn., fire-cured, types 22-23.....	pound....	1.990	1.952	3.01	3.21
Burley, type 31.....	pound....	1.672	1.753	3.22	3.31
Maryland, type 32 ⁴	pound....	1.624	1.816	2.55	2.64
Dark air-cured, types 35-36.....	pound....	1.701	1.863	2.52	2.68
Sun-cured, type 37.....	pound....	1.351	1.456	2.20	2.31
Pa., seedleaf, type 41.....	pound....	1.270	1.390	1.49	1.61
Cigar filler types 42-44 discontinued after 1988 crop.....	pound....	1.500	1.500	2.04	2.13
Puerto Rican filler, type 46. Discontinued after 1986 crop.....	pound....	.....	.....	2.08	2.16
Cigar binder type 52 discontinued after 1986 crop.....	pound....	1.800	2.500	3.33	3.41
Designated nonbasic commodities:					
All milk, sold to plants.....	cwt....	13.56	13.73	24.90	25.70
Fluid market.....	cwt....	13.66	13.89	.....	.....
Manufacturing grade.....	cwt....	12.38	12.34	.....	.....
Honey, all.....	pound....	.498	.528	1.14	1.15
Wool and mohair:					
Wool ⁷	pound....	1.240	.800	2.97	3.14
Mohair ⁸	pound....	1.58	.93	8.69	8.75

See footnotes at end of table.

Table 563.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1989 and 1990—Continued

Commodity and unit	Marketing year average price ¹		Parity price ³		
	1989 ²	1990 ²	1989 ²	1990 ²	
	Dollars	Dollars	Dollars	Dollars	
Other nonbasic commodities:					
Field crops and miscellaneous:					
Barley.....	bushel...	2.42	2.14	4.68	4.83
Beans, dry edible.....	cwt.....	28.50	18.50	39.50	42.20
Cottonseed.....	ton.....	105.00	121.00	198.00	199.00
Crude pine gum.....	barrel.....			167.00	172.00
Flaxseed.....	bushel...	7.20	5.32	11.00	11.40
Hay, all, baled.....	ton.....	85.40	83.20	131.00	140.00
Hops.....	pound...	1.38	1.48	3.16	3.81
Oats.....	bushel...	1.49	1.14	3.10	3.28
Peas, dry edible.....	cwt.....	8.93	11.00	22.70	
Peppermint oil.....	pounds...	13.10	14.00	20.60	21.60
Popcorn, shelled basis.....	cwt.....			21.80	22.50
Potatoes.....	cwt.....	7.36	6.15	9.66	10.60
Rye.....	bushel...	2.06	2.09	4.24	4.26
Sorghum grain.....	cwt.....	3.75	3.78	8.82	9.13
Soybeans.....	bushel...	5.69	5.75	12.00	12.20
Spearmint oil.....	pound...	13.90	14.70	21.80	23.10
Sweetpotatoes.....	cwt.....	16.40	9.70	25.20	26.40
Tobacco:					
Cigar wrapper, type 61.....	pound...	21.70	23.00	23.30	27.30
Cigar wrapper, type 62.....	pound...			10.30	
Fruits:					
Citrus (equiv. on-tree): ⁹					
Grapefruit.....	box.....	5.86	5.26	6.68	7.19
Lemons.....	box.....	12.02	12.47	8.01	8.77
Limes, Florida.....	box.....	8.26	13.99	16.70	16.90
Oranges.....	box.....	6.16	7.31	9.98	10.60
Tangelos.....	box.....	5.10	6.31		
Tangerines.....	box.....	15.93	17.80	14.90	16.60
Templets.....	box.....	5.64	5.94	8.38	8.51
Deciduous and other:					
Apples:					
For all sales.....	pound...	.104	.150		
For fresh consumption ¹⁰	pound...	.139	.209	.303	.308
For processing ¹¹	ton.....	107.00	139.00	207.00	208.00
Apricots:					
For all sales.....	ton.....	338.00	342.00		
For fresh consumption ¹⁰	ton.....	676.00	590.00	1,710.00	1,820.00
Dried, California (dried basis) ¹¹	ton.....	1,890.00	1,950.00	3,830.00	3,880.00
For processing (except dried) ¹¹	ton.....	284.00	276.00	518.00	531.00
Avocados ¹²	ton.....	1,800.00	1,300.00	1,230.00	1,410.00
Berries for processing (Washington and Oregon):					
Blackberries.....	pound...			.745	.769
Boysenberries/youngberries.....	pound...			1.06	1.09
Gooseberries.....	pound...			.448	.748
Loganberries.....	pound...			.725	1.05
Raspberries, black.....	pound...			1.27	1.32
Raspberries, red.....	pound...				
Cherries:					
Sweet.....	ton.....	713.00	896.00		1,380.00
Tart.....	pound...	.145	.181		.539
Cranberries ¹³	barrel...	44.00	44.50	82.60	82.70
Dates, California ¹²	ton.....	1,040.00	870.00	1,410.00	1,530.00
Figs, canned, California.....	ton.....	382.00	328.00		
Grapes:					
For all sales.....	ton.....	314.00	294.00		
Raisin varieties dried, California (dried basis) ¹¹	ton.....	977.00	880.00	1,750.00	1,750.00
Nectarines (California):					
For fresh consumption ¹²	ton.....			585.00	635.00
For processing ¹¹	ton.....			108.00	105.00

See footnotes at end of table.

Table 563.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1989 and 1990—Continued

Commodity and unit	Marketing year average price ¹		Parity price ³	
	1989 ²	1990 ²	1989 ²	1990 ²
	Dollars	Dollars	Dollars	Dollars
Other nonbasic commodities—Con.				
Fruits—Con.				
Deciduous and other—Con.				
Olives (California): ¹³				
For all sales.....	ton.... 467.00	491.00		
Crushed for oil.....	ton.... 12.00	14.00	51.60	25.90
For processing (except crushed).....	ton.... 467.00	491.00	1,070.00	1,120.00
For canning.....	ton.... 563.00	639.00	1,180.00	1,240.00
Peaches:				
For all sales.....	pound.... 163	173		
For fresh consumption ¹⁴	pound.... 232	266	434	463
Dried, California (dried basis) ¹¹	ton.... 924.00	924.00	1,860.00	1,840.00
For processing (except dried):				
Clingstone ¹³	ton.... 214.00	214.00	339.00	355.00
Freestone ¹¹	ton.... 173.00	183.00	310.00	320.00
Pears:				
For all sales.....	ton.... 277.00	274.00		
For fresh consumption ¹⁰	ton.... 336.00	349.00	546.00	575.00
Dried, California (dried basis) ¹¹	ton.... 861.00	756.00	1,380.00	1,390.00
For processing (except dried) ¹¹	ton.... 220.00	205.00	313.00	329.00
Plums (equiv. on-tree) (California):				
For all sales.....	ton.... 445.00	603.00		
For fresh consumption.....	ton....		614.00	700.00
For processing.....	ton....		24.30	24.80
Pomegranates, California. Discontinued after the 1989 crop.....	ton.... 273.00			
Prunes, dried (California) ¹¹	ton.... 779.00	851.00	1,390.00	1,430.00
Prunes and plums (excl. California):				
For fresh consumption ¹⁴	ton.... 289.00	250.00	694.00	717.00
For processing (except dried) ¹¹	ton.... 119.00	129.00	208.00	212.00
Strawberries:				
For fresh consumption ¹⁵ (revised in Spring Veg. Rept.)..	pound.... 53.90	55.50	.998	1.04
For processing ¹¹	pound.... 26.10	28.70	.520	.524
Seed crops:				
Alfalfa.....	cwt....		232.00	240.00
Bentgrass.....	cwt....		227.00	235.00
Chewings fescue (Oregon).....	cwt....		120.00	124.00
Crimson clover.....	cwt....		101.00	104.00
Hairy vetch.....	cwt....		69.80	72.10
Ladino clover.....	cwt....		297.00	307.00
Lespedeza.....	cwt....		99.90	103.00
Merion Kentucky bluegrass.....	cwt....		264.00	273.00
Orchardgrass.....	cwt....		86.10	88.90
Red clover.....	cwt....		144.00	149.00
Red fescue.....	cwt....		121.00	125.00
Tall fescue.....	cwt....		44.10	45.50
Timothy.....	cwt....		76.90	79.40
Sugar crops:				
Maple sirup.....	gallon.....			
Sugarbeets.....	ton.... 42.10	40.90	68.90	72.80
Sugarcane for sugar.....	ton.... 29.20	30.80	54.10	56.70
Tree nuts: ¹⁶				
Almonds.....	pound.... 1.02	.92	2.18	2.12
Filberts (Hardnuts)?.....	ton.... 820.00	784.00	1,530.00	1,540.00
Pecans, all.....	ton.... 715	1,210	2,430.00	2,490.00
Improved.....	ton.... 786	1,280		
Seedling.....	ton.... 538	902		
Walnuts.....	ton.... 1,070.00	1,010.00	1,830.00	1,790.00
Vegetables for fresh market: ¹⁵				
Artichokes, California.....	cwt....		54.70	56.50
Asparagus.....	cwt.... 68.20	68.60	133.00	137.00
Broccoli.....	cwt.... 21.00	22.30	42.90	44.10
Cabbage.....	cwt....		16.60	17.10
Cantaloups.....	cwt....		25.60	26.40
Carrots.....	cwt.... 13.60	12.00	17.40	18.90
Cauliflower.....	cwt.... 28.10	25.20	47.20	49.00
Celery ¹⁷	cwt.... 13.20	10.80	21.20	22.60
Cucumbers.....	cwt....		27.40	28.30

See footnotes at end of table.

Table 563.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1989 and 1990—Continued

Commodity and unit	Marketing year average price ¹		Parity price ³	
	1989 ²	1990 ²	1989 ²	1990 ²
	Dollars	Dollars	Dollars	Dollars
Other nonbasic commodities—Con.				
Vegetables for fresh market ¹⁵—Con.				
Eggplant.....	cwt.....		29.00	29.90
Escarole.....	cwt.....		37.30	38.50
Garlic.....	cwt.....		35.20	36.40
Green peppers.....	cwt.....		43.30	44.70
Honeydew melons.....	cwt.....	12.10	18.10	26.00
Lettuce.....	cwt.....	12.60	11.50	22.60
Onions.....	cwt.....	11.40	10.50	20.60
Snap beans.....	cwt.....		54.20	56.00
Spinach.....	cwt.....		47.50	49.00
Sweet corn.....	cwt.....	16.90	15.00	23.90
Tomatoes.....	cwt.....	33.20	27.40	46.00
Watermelons.....	cwt.....		10.20	10.50
Vegetables for processing: ¹¹				
Asparagus.....	ton.....	955.00	987.00	1,790.00
Beets.....	ton.....			93.60
Cabbage.....	ton.....			72.20
Cucumbers.....	ton.....	204.00	209.00	
Green peas.....	ton.....	238.00	249.00	432.00
Lima beans.....	ton.....			446.00
Snap beans.....	ton.....			805.00
Spinach.....	ton.....	174.00	183.00	314.00
Sweet corn.....	ton.....			324.00
Tomatoes.....	ton.....	66.90	69.60	174.00
Tomatoes.....	ton.....	69.30	67.80	115.00
				120.00
				126.00
				128.00
Livestock and livestock products:				
All beef cattle				
Cows.....	cwt.....	69.50	74.60	114.00
Steers and heifers.....	cwt.....	48.00	51.50	117.00
Calves.....	cwt.....	74.30	78.80	
Beeswax.....	pound.....	90.80	95.60	136.00
Chickens:				139.00
Excluding broilers, live.....	pound.....			3.50
Broilers, live.....	pound.....	.149	.096	
Eggs.....	dozen.....	366	326	
Hogs.....	cwt.....	689	716	1.14
Lambs.....	cwt.....	42.50	53.70	88.50
Milk cows ¹⁸	head.....	66.10	55.50	127.00
Milk, retail ¹⁹	quart.....	1,030.00	1,160.00	
Sheep.....	cwt.....	539		
Turkeys, live.....	pound.....	24.40	23.20	45.10
		409	393	45.90
				776
				788

¹ Marketing year 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. ² Preliminary. ³ Parity prices are for January of the year shown as published in the January issue of Agricultural Prices. ⁴ Crop is sold during year following production. ⁵ Estimates discontinued. ⁶ Previous year. ⁷ Average local market price for wool sold excluding incentive payment. ⁸ Average local market price for mohair sold excluding incentive payment. ⁹ Texas only prior to 1988. ¹⁰ 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 1988 relate to the citrus crop designated as 1988-89 in the production reports. ¹¹ Equivalent packinghouse-door returns for California, Oregon (except peaches), Washington, and New York (apples only starting 1985), and prices as sold for other States. ¹² Equivalent returns at processing plant-door. ¹³ Equivalent returns at packinghouse-door. ¹⁴ Equivalent per unit returns for bulk fruit at first delivery point. ¹⁵ Average price as sold. ¹⁶ FOB Shipping point. ¹⁷ Prices are in-shell basis except almonds which are shelled basis. ¹⁸ Includes some processing. ¹⁹ Simple average of States weighted by estimated Jan. 1 head for U.S. average. ²⁰ Sold by farmers directly to consumers. n.a. not available.

National Agricultural Statistics Service.

Table 564.—Producer prices: Index numbers, by groups of commodities, United States, 1983-90

[1982=100]

Year	Total finished goods	Consumer foods	Finished goods ¹	Total consumer goods	Total intermediate materials	Total crude materials
1983 ²	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.....	105.4	109.5	104.0	100.7	101.5	93.7
1988.....	108.0	112.6	106.5	103.1	107.1	96.0
1989.....	113.6	118.7	111.8	108.9	112.0	103.1
1990 ³	119.2	124.4	117.4	115.3	114.5	108.9

¹ Excluding consumer foods. ² Data prior to 1982 available from Department of Labor. ³ Preliminary. Economic Research Service. Compiled from reports of the U.S. Department of Labor.

Table 565.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 1976-90

[1910-14=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit	Fruit for fresh market ¹	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 livestock products	All farm products	Parity ratio ²
1976.....	355	379	504	906	551	294	291	456	579	375	449	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	393	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	693	61
1982.....	401	378	469	1,489	575	647	673	629	790	455	524	876	831	252	696	609	56
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	642	807	448	519	802	779	271	654	585	53
1986.....	300	309	462	1,339	502	627	642	650	811	411	461	817	766	293	666	561	51
1987.....	282	268	503	1,255	518	673	711	724	969	458	459	921	764	244	703	578	52
1988.....	378	378	485	1,285	704	686	714	699	892	449	545	949	747	269	722	632	54
1989.....	428	404	503	1,406	665	710	733	756	960	673	581	983	829	312	770	674	55
1990 ³	338	389	546	1,444	602	709	730	767	950	691	554	1,088	837	299	820	684	54

¹ Fresh market for noncitrus, and fresh market and processing for citrus. ² 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). ³ 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 566 for data on 1977=100 basis.)

Table 566.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 1976-90

[1977 = 100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit	Fruit for fresh market ¹	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 livestock products	All farm products	Ratio ²
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	98
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	87
1985	133	122	98	153	84	180	192	129	122	124	120	142	131	119	136	128	79
1986	109	98	91	138	77	169	177	130	123	114	107	145	129	128	138	123	77
1987	103	85	99	129	79	182	196	145	147	126	106	163	129	107	146	127	78
1988	138	120	95	132	108	185	197	140	136	124	126	168	126	118	150	138	81
1989	156	128	98	145	102	192	203	152	144	186	134	174	140	137	160	147	83
1990 ³	123	123	107	149	92	192	202	154	144	191	128	193	141	131	170	150	82

¹ Fresh market for noncitrus, and fresh market and processing for citrus. ² Ratio of Index of Prices Received (1977 = 100) to Index of Prices Paid (1977 = 100). ³ 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 567.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1976-90

[1977 = 100]

Year	Production indexes													Interest	Taxes	Wage rates ¹	Production, interest, taxes, and wage rates ²	Commodities, interest, taxes, and wage rates ²
	Production (all commodities)	Feed	Feed or livestock	Seed	Fertilizer	Agricultural chemicals	Fuels and energy ²	Farm and motor supplies	Autos and trucks	Tractors and self-propelled machinery	Other machinery	Building and fencing	Farm services and cash rent					
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	174	115	127	139	138
1981	148	134	164	138	144	111	213	147	143	152	146	134	157	211	123	138	151	150
1982	153	122	164	141	144	119	210	152	159	165	160	135	169	242	124	144	158	159
1983	152	134	160	141	137	125	202	152	170	174	171	138	145	250	129	148	159	161
1984	155	135	154	151	143	128	201	147	182	181	180	138	152	248	133	151	161	164
1985	151	116	154	152	135	128	201	146	193	178	183	136	151	228	133	154	156	162
1986	144	108	153	148	124	127	162	142	198	174	182	136	147	211	134	158	150	159
1987	148	103	179	148	118	124	164	142	208	174	185	137	149	189	144	166	152	162
1988	157	128	192	150	130	127	167	145	215	181	197	138	151	182	147	171	160	170
1989	165	136	194	165	137	132	180	151	223	193	208	141	161	176	152	185	167	178
1990	171	128	213	165	131	139	204	154	231	202	216	144	166	174	157	191	172	184

¹ Simple average of seasonally adjusted quarterly indexes. ² Family Living component included. National Agricultural Statistics Service.

Table 568.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1976-90 ¹

[1910-14=100]

Year	Family living indexes							Production indexes					
	Family living (all commodities) ¹	Food	Clothing	Housing ²	Auto and auto supplies	Medical and health care ²	Education, recreation, and other ²	Production (all commodities)	Feed	Feeder livestock	Seed	Fertilizer	Agricultural chemicals
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	965	(*)	(*)	(*)	(*)	(*)	(*)	900	539	941	939	381	556
1985	1,019	(*)	(*)	(*)	(*)	(*)	(*)	874	461	941	949	358	554
1986	1,040	(*)	(*)	(*)	(*)	(*)	(*)	895	430	954	918	329	549
1987	1,076	(*)	(*)	(*)	(*)	(*)	(*)	849	408	1,082	925	314	538
1988	1,119	(*)	(*)	(*)	(*)	(*)	(*)	908	508	1,168	931	346	549
1989	1,169	(*)	(*)	(*)	(*)	(*)	(*)	956	539	1,184	1,027	362	574
1990	1,229	(*)	(*)	(*)	(*)	(*)	(*)	986	509	1,300	1,024	349	602

Year	Production indexes—Continued							Interest	Taxes	Wage rates ⁵	Production, interest, taxes, and wage rates	Commodities, interest, taxes, and wage rates ⁶
	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 ⁴					
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	3,021	1,859	2,421	1,030	949
1981	762	647	1,650	1,831	1,637	1,241	1,059	3,578	1,988	2,626	1,118	1,035
1982	750	671	1,834	1,982	1,789	1,254	1,141	4,101	1,998	2,760	1,172	1,090
1983	722	668	1,957	2,100	1,913	1,281	980	4,232	2,085	2,836	1,176	1,104
1984	718	649	2,097	2,179	2,010	1,275	1,025	4,199	2,142	2,872	1,195	1,129
1985	718	638	2,219	2,142	2,051	1,263	993	3,866	2,143	2,934	1,157	1,114
1986	578	626	2,273	2,095	2,035	1,259	1,007	3,573	2,157	3,049	1,112	1,093
1987	576	626	2,392	2,098	2,097	1,261	1,015	3,200	2,326	3,174	1,126	1,113
1988	592	636	2,472	2,175	2,220	1,282	1,085	3,082	2,375	3,267	1,185	1,167
1989	643	665	2,567	2,320	2,328	1,306	1,120	2,989	2,447	3,538	1,240	1,220
1990	727	679	2,661	2,441	2,419	1,334	1,158	2,951	2,524	3,647	1,275	1,265

¹ Beginning 1977, based on Consumer Price Index-Urban of Bureau of Labor Statistics. ² Based on Consumer Price Indexes of Bureau of Labor Statistics. ³ Discontinued. ⁴ New index, values for years prior to 1973 are not available. ⁵ Simple average of seasonally adjusted quarterly indexes. ⁶ 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 569.—Prices paid by farmers: Prices, by commodities, United States, 1986-90 ^{1 2}

Commodity and unit	1986	1987	1988	1989	1990
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Building materials:					
Framing lumber, 2 by 4 inches, per 1,000 board feet:					
Pine, Standard and better.....	350.00	369.00	366.00	364.00	365.00
Fir, Standard and better.....	382.00	392.00	394.00	402.00	404.00
Boards, per 1,000 board feet:					
Rough, for farm fences and construction.....	489.00	499.00	511.00	520.00	537.00
Dressed, 1-inch, pine S4S, standard and better or No. 2 and better ³	653.00	674.00	702.00	722.00	726.00
Nails, 8d, common, per pound.....	.643	.650	.660	.665	.685
Roofing, galvanized steel, per 100 square feet.....	41.20	41.40	42.70	43.90	45.50
Shingles, fiberglass, per square.....	25.30	24.00	23.40	23.70	23.80
Insulating sheathing, (asphalt-treated) regular density, ½-inch, per sheet 4 feet by 8 feet.....	5.40	5.44	5.44	5.40	5.34
Concrete blocks, per 100.....	94.70	96.30	99.10	99.80	102.00
Portland cement, per 94 pounds.....	6.25	6.29	6.36	6.43	6.50
Paint, house, exterior, latex per gallon ⁴	16.10	15.80	16.00	16.40	16.80
Barbed wire, 2-point, per 80-rod spool.....	34.70	33.70	33.80	34.20	35.00
Barbed wire, 4-point, per 80-rod spool.....	37.50	36.60	36.90	37.50	37.60
Posts, wood, farm line fence, each.....	.344	3.48	3.57	3.60	3.61
Posts, steel, each.....	2.60	2.50	2.46	2.57	2.65
Staples, fence, per pound.....	.707	.716	.727	.744	.760
Woven wire fencing, 32-inch, per 20-rod roll.....	74.30	72.20	71.60	73.00	74.50
Iron pipe, galvanized, 1¼-inch, I.D., per foot.....	1.90	1.98	2.03	2.08	2.18
Plastic tubing, 1-inch, I.D., per foot.....	.246	.262	.316	.315	.295
Fuels and energy:					
Fuel, per gallon:					
Diesel fuel.....	.707	.711	.729	.761	.944
Gasoline, service station, unleaded regular.....	.930	.940	.941	1.04	1.15
Gasoline, bulk delivery, leaded regular.....	.894	.919	.927	1.05	1.17
L. P. gas, bulk delivery.....	.670	.592	.586	.583	.832
Electricity, per kilowatt hour.....	(^{1a})	(^{1a})	(^{1a})	(^{1a})	(^{1a})
Motor supplies:					
Grease, 35 lb. pail.....	31.90	31.60	31.60	32.10	33.60
Motor oil, per gallon:					
All weather, high detergent.....	4.96	4.83	4.86	4.96	5.07
Heavy duty, detergent.....	4.68	4.63	4.65	4.73	4.83
Regular, nondetergent.....	4.31	4.33	4.33	4.43	4.55
Spark plugs, each.....	1.73	1.77	1.80	1.87	1.97
Storage batteries, CPR 220-310 amps, each.....	47.10	47.80	49.00	48.80	49.20
Tires:					
Auto tires, bias-belted const., E78-14, tubeless each ⁵	42.60	41.50	41.60	43.20	44.30
Auto tires, radial, steel-belted, P/195/75R14/ER78-14 tubeless, each ⁶	56.30	54.20	53.40	54.30	54.40
Truck tires, 10.00-20, load range F, each.....	206.00	201.00	200.00	208.00	211.00
Tractor tires, rear, 15.5-38, 6-ply, each.....	285.00	280.00	288.00	303.00	310.00
Tractor tires, rear, 18.4-34, 6-ply, each.....	406.00	398.00	404.00	430.00	443.00
New motor vehicles:					
Autos, 4-door sedans:					
Compact ⁷	9,240.00	9,750.00	9,970.00	10,220.00	10,600.00
Intermediate size ⁸	11,500.00	12,300.00	12,800.00	13,350.00	13,950.00
Standard ⁹	14,300.00	15,100.00	15,800.00	16,800.00	18,000.00
New trucks:					
2-ton, cab and chassis, each ¹⁰	18,300.00	20,400.00	20,200.00	20,480.00	20,380.00
¾-ton pickup ¹¹	11,700.00	12,400.00	12,850.00	13,500.00	14,300.00
Tractors:					
2-wheel, 30-39 P.T.O. or belt horsepower.....	10,800.00	11,100.00	11,450.00	12,050.00	12,600.00
2-wheel, 50-59 P.T.O. or belt horsepower.....	16,660.00	16,600.00	17,000.00	17,350.00	17,730.00
2-wheel, 110-129 P.T.O. or belt horsepower.....	38,700.00	38,900.00	40,100.00	43,050.00	45,350.00
4-wheel, 170-240 P.T.O. or belt horsepower.....	77,100.00	74,700.00	75,820.00	78,920.00	78,150.00

See footnotes at end of table.

Table 569.—Prices paid by farmers: Prices, by commodities, United States, 1986-90 ^{1 2}—
Continued

Commodity and unit	1986	1987	1988	1989	1990
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Farm machinery:					
Plows, moldboard 3-bottom, each.....	2,600.00	2,610.00	2,750.00	3,080.00	3,240.00
Plows, moldboard 5-bottom, each.....	6,790.00	6,590.00	7,180.00	7,640.00	8,200.00
Plows, moldboard 7-bottom, each.....	9,750.00	9,750.00	10,290.00	10,930.00	11,850.00
Disk harrows, tandem, 16-ft., each.....	7,800.00	7,600.00	8,010.00	8,730.00	9,140.00
Disk harrows, tandem, 19-ft., each.....	10,100.00	9,800.00	10,520.00	11,570.00	11,880.00
Cultivators, 4-row, front or rear mounted, each.....	2,520.00	2,510.00	2,750.00	2,960.00	3,070.00
Corn planters, 4-row, plain, each.....	7,040.00	7,390.00	7,960.00	8,310.00	8,720.00
Grain drills, tractor-drawn, 16-tube, plain, each.....	5,630.00	5,750.00	5,990.00	6,260.00	6,470.00
Grain drills, tractor-drawn, 13-tube, with fertilizer attachment, each.....	5,520.00	5,730.00	6,030.00	6,120.00	6,880.00
Mowers, tractor, 7-ft., each.....	2,530.00	2,640.00	2,800.00	3,010.00	3,170.00
Pick-up balers, automatic tie, P.T.O., each ¹²	9,420.00	9,840.00	10,290.00	10,700.00	11,030.00
Combines, self-propelled:					
Medium capacity, each.....	62,000.00	63,500.00	66,970.00	73,620.00	80,150.00
Large capacity, each.....	85,100.00	83,800.00	87,700.00	93,650.00	101,100.00
Corn picker-huskers, 2-row, each.....	13,700.00	13,400.00	12,900.00	13,370.00	12,930.00
Farm wagons, without box and tires, each.....	1,060.00	1,070.00	1,140.00	1,190.00	1,230.00
Power sprayers, boom type, tr. mtd., each.....	2,080.00	2,270.00	2,520.00	2,720.00	2,750.00
Farm supplies:					
Electric motors, 1/2-horsepower, each.....	79.90	82.90	80.50	82.70	85.90
Hammers, nail, 16 oz. head, with handle, each.....	13.20	12.50	12.40	13.00	13.30
Pitchfork, 4-tine, each.....	20.90	20.20	20.60	22.30	22.30
Hoes, 6-inch blade, each ¹³	11.00	10.30	10.50	10.80	11.30
Metal pails, 12 quarts, each ¹⁴	5.30	5.75	5.74	5.85	6.23
Rope, polypropylene, 1/2-inch, per 100 feet ¹⁵	19.40	20.40	20.40	20.80	21.50
Baler twine, per 40-pound bale.....	18.80	18.40	19.90	21.70	23.40
New baskets, round stave, bushel, with cover, per dozen.....	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)
Farm services:					
Telephone, per month.....	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)
Fertilizer:					
Mixed fertilizer:					
0-20-20, per ton.....	153.00	156.00	177.00	179.00	175.00
3-9-9, per ton.....	168.00	159.00	158.00	156.00	153.00
4-8-12, per ton.....	167.00	158.00	165.00	173.00	173.00
5-10-10, per ton.....	129.00	128.00	138.00	144.00	143.00
5-10-15, per ton.....	141.00	139.00	150.00	153.00	150.00
5-20-20, per ton.....	157.00	158.00	176.00	182.00	175.00
6-24-24, per ton.....	177.00	177.00	202.00	210.00	198.00
10-10-10, per ton.....	145.00	142.00	151.00	162.00	159.00
12-12-12, per ton.....	174.00	170.00	178.00	184.00	181.00
16-20-0, ammonium phosphate, per ton.....	213.00	207.00	215.00	222.00	220.00
18-46-0, per ton.....	219.00	219.00	245.00	244.00	221.00
Nitrate of soda, per ton.....	201.00	203.00	204.00	207.00	214.00
Sulphate of ammonia, per ton.....	150.00	145.00	142.00	152.00	154.00
Ammonium nitrate, per ton.....	172.00	158.00	164.00	182.00	180.00
Superphosphate, 44-46% P ₂ O ₅ , per ton.....	189.00	194.00	218.00	221.00	203.00
Muriate of potash, 60% K ₂ O, per ton.....	110.00	118.00	152.00	159.00	153.00
Agricultural limestone, spread on field, per ton.....	16.00	16.50	16.30	15.90	16.40
Livestock:					
Feeders and stockers:					
Cattle and calves, per 100 pounds.....	58.60	70.40	78.00	79.20	84.90
Pigs (40-60 lbs. av.), per 100 pounds.....	96.60	104.00	77.00	69.80	109.00
Broiler chicks, per 100.....	17.30	18.40	17.00	17.40	18.40
Egg-type chicks, per 100.....	52.00	51.10	50.70	50.40	50.80
Turkey poults, each.....	.951	.929	.939	.976	1.02

See footnotes at end of table.

Table 569.—Prices paid by farmers: Prices, by commodities, United States, 1986-90 ^{1 2} —
Continued

Commodity and unit	1986	1987	1988	1989	1990
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Feed:					
Cottonseed meal, 41% protein, per 100 pounds.....	11.90	12.80	14.80	15.40	14.80
Soybean meal, 44% protein, per 100 pounds.....	11.40	11.90	15.70	15.60	13.10
Bran, per 100 pounds.....	9.19	8.79	9.88	10.90	10.80
Middlings, per 100 pounds.....	8.25	7.61	8.90	10.20	9.54
Cornmeal, per 100 pounds.....	6.57	6.03	6.90	7.38	7.39
Laying feed, per ton ¹⁷	174.00	169.00	203.00	209.00	200.00
Broiler grower, per ton ¹⁷	186.00	186.00	220.00	236.00	218.00
Chick starter, per ton ¹⁷	187.00	191.00	228.00	240.00	225.00
Dairy feed:					
14 percent protein, per ton.....	151.00	143.00	169.00	176.00	172.00
16 percent protein, per ton.....	160.00	154.00	182.00	189.00	182.00
18 percent protein, per ton.....	170.00	163.00	195.00	200.00	192.00
20 percent protein, per ton.....	173.00	166.00	201.00	203.00	192.00
32 percent protein, per ton.....	242.00	248.00	301.00	309.00	280.00
Stock salt, per 50 pounds.....	3.26	3.29	3.33	3.39	3.49
Seeds:					
Barley, per bushel.....	5.30	4.56	4.55	5.58	5.42
Corn, hybrid, per bushel.....	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)
Corn, hybrid, 80,000 kernels.....	66.00	65.10	64.40	69.60	70.30
Oats, per bushel.....	3.96	3.90	4.28	5.51	4.62
Potatoes, per 100 pounds.....	6.98	7.62	7.33	9.73	10.90
Rye, per bushel.....	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)
Soybeans, per bushel.....	11.10	11.20	11.80	14.00	13.00
Wheat, per bushel.....	6.25	5.66	5.81	6.50	6.22
Grain sorghum, hybrid, per 100 pounds.....	67.10	64.50	65.20	68.50	69.80
Alfalfa, uncertified, per 100 pounds.....	167.00	172.00	194.00	195.00	163.00
Alfalfa, certified, per 100 pounds.....	221.00	221.00	260.00	269.00	252.00
Red clover, per 100 pounds.....	131.00	153.00	147.00	143.00	145.00
Lespedeza, Korean, per 100 pounds.....	92.50	72.20	67.60	67.40	63.90
Sudangrass, per 100 pounds.....	44.40	44.30	42.50	44.50	47.10
Timothy, per 100 pounds.....	74.70	99.80	126.00	132.00	94.60

¹ Prices paid by farmers are collected, for the most part, from retail establishments located in small cities and towns in rural areas. ² Family living surveys for food, clothing, and household furnishings were discontinued in 1977. ³ Pine added to description in 1980. ⁴ Latex added to description in 1980. ⁵ G78-15 prior to 1981. ⁶ 205-15, GR78-15 prior to 1980. ⁷ Chevrolet Cavalier, Ford Tempo, Plymouth Acclaim, or comparable models. ⁸ Chevrolet Celebrity, Ford Taurus, or comparable models. ⁹ Chevrolet Caprice, Ford Crown Victoria, Buick LeSabre Limited, or comparable models. ¹⁰ Coverage includes Ford and Chevrolet. ¹¹ Coverage includes Ford, Chevrolet, and Dodge. ¹² "Conventional size bales, under 200 lbs." added in 1976. ¹³ Beginning Feb. 1985, changed to 6-inch blade. ¹⁴ Prior to 1980, "Milk Pails." ¹⁵ Prior to 1980, "manila rope, ½ in., per 100 ft." ¹⁶ Discontinued. ¹⁷ Specifications call for "complete feed."

National Agricultural Statistics Service.

Table 570.—Farm income: Cash receipts from farm marketings, by commodities or commodity groups, United States, 1976-90

Year	Cattle and calves	Hogs	Sheep and lambs	Dairy products	Chicken eggs	Broilers	Turkeys	Other poultry ¹	Other livestock and products ²	Total livestock and products ³
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
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	1,588	70,258
1983	28,861	9,790	423	18,748	3,451	4,873	1,269	388	1,804	69,606
1984	30,589	9,701	460	17,931	4,110	6,020	1,655	459	1,968	72,895
1985	29,002	9,033	514	18,055	3,262	5,668	1,820	458	2,008	69,822
1986	28,865	9,734	481	17,724	3,543	6,784	1,949	425	2,048	71,553
1987	33,583	10,337	558	17,727	3,209	6,177	1,703	426	2,274	75,994
1988	36,810	9,207	476	17,641	3,067	7,435	1,951	414	2,436	79,437
1989	36,894	9,475	487	19,396	3,862	8,778	2,234	498	2,507	84,131
1990 ⁴	39,748	11,516	412	20,199	4,044	8,366	2,383	477	2,477	89,623

Year	Food grains	Feed crops	Cotton (lint and seed)	Oil-bearing crops	Tobacco	Fruits and tree nuts ⁵	Vegetables ⁶	Other crops ⁷	Total crops ³
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
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	3,340	6,804	8,076	6,990	72,303
1983	9,713	15,559	3,705	13,546	2,752	6,056	8,472	7,362	67,165
1984	9,731	16,138	3,674	13,641	2,813	6,734	9,152	8,008	69,889
1985	8,990	22,591	3,687	12,475	2,699	6,946	8,572	8,333	74,293
1986	5,741	16,911	3,371	10,614	1,894	7,252	8,865	9,101	63,749
1987	5,776	14,576	4,139	11,283	1,816	8,062	9,902	10,161	65,764
1988	7,467	14,298	4,546	13,500	2,083	9,204	9,787	10,760	71,645
1989	8,247	17,061	5,040	11,866	2,415	9,257	11,461	11,415	76,761
1990 ⁴	7,876	19,116	5,234	12,403	2,736	9,306	11,533	12,160	80,364

¹ Farm chickens, ducks, geese, guineas, pigeons, quail, pheasants, and turkey hatching eggs. ² Wool, horses and mules, mohair, honey, beeswax, bees, goats, rabbits, and fur animals. ³ Components may not add due to rounding. ⁴ Preliminary. ⁵ Includes melons, 1945-48. ⁶ Includes melons, 1949 to date. ⁷ Sugar crops, floriculture and ornamentals, forest products, mushrooms, legume and grass seeds, hops, mint, broomcorn, popcorn, hemp fiber and seed, and flax fiber.

Economic Research Service.

Table 571.—Agricultural commodity support prices

Commodity and unit	1976 ²	1977 ³	1978 ³	1979 ³	1980 ³	1981 ³
MANDATORY ⁴						
<i>Dollars Dollars Dollars Dollars Dollars Dollars</i>						
Basic commodities:						
Corn:						
Support level..... bushel.....	1.57	2.00	2.10	2.20	2.35	2.40
Loan rate..... do.....	1.50	2.00	2.00	2.10	2.25	2.40
Cotton:						
American upland: ⁵						
Support level..... pound.....	4320	4780	5200	5770	5840	7087
Loan rate..... do.....	3892	4463	4800	5023	4800	5246
Extra-long staple:						
Support level..... do.....	7475	7670	8320	9295	9350	9900
Loan rate..... do.....	7324	7670	8320	9295	9350	9900
Peanuts..... do.....	2070	2153	⁶ 2100	⁶ 2100	⁶ 2275	⁶ 2275
Rice:						
Support level..... cwt.....	8.25	8.25	8.53	9.05	9.49	10.68
Loan rate..... cwt.....	6.19	6.19	6.40	6.79	7.12	8.01
Wheat:						
Support level..... bushel.....	2.29	2.90	3.40	3.40	3.63	3.81
Loan rate..... do.....	2.25	2.25	2.35	2.50	3.00	3.20
Tobacco:						
Flue-cured, types 11-14..... pound.....	1.060	1.138	1.210	1.298	1.415	1.587
Fire-cured, type 21..... do.....	.741	.795	.846	.903	.989	1.110
Fire-cured, types 22-23..... do.....	1.092	1.173	1.247	1.333	1.459	1.636
Burley, type 31..... do.....	.659	.707	.752	.804	.880	.987
Dark air-cured, types 35-36..... do.....	.659	.707	.752	.804	.880	.987
Virginia sun-cured, type 37..... do.....	.567	.609	.647	.692	.757	.849
Cigar filler, Puerto Rican, type 46..... do.....	.756	.812	.863	.923	1.010	1.133
Cigar binder, types 51-52..... do.....	.546	.586	.623	.667	.729	.818
Ohio filler and Wisconsin binder types 42-44 and 53-55..... do.....						
Nonbasic commodities:						
Milk for manufacturing..... cwt.....	8.13	9.00	9.87	11.49	13.10	13.10
Honey, extracted..... pound.....	.294	.327	.368	.439	.503	.574
Mohair..... do.....	.802	1.498	1.647	1.943	2.903	3.718
Tung nuts..... ton.....	80.00					
Wool..... pound.....	.72	.99	1.08	1.15	1.23	1.35
Barley: ⁶						
Support level..... bushel.....	1.28	2.15	2.25	2.40	2.55	2.60
Loan rate..... do.....	1.22	1.63	1.63	1.71	1.83	1.95
Sorghum grain: ⁶						
Support level..... cwt.....	2.66	4.07	4.07	4.18	4.46	4.55
Loan rate..... cwt.....	2.55	3.39	3.39	3.57	3.82	4.07
Oats: ⁶						
Support level..... bushel.....						
Loan rate..... do.....	.72	1.03	1.03	1.08	1.16	1.24
Rye ⁶ do.....	1.20	1.70	1.70	1.79	1.91	2.04
NONMANDATORY						
Nonbasic commodities:						
Beans, dry edible..... cwt.....	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Cottonseed ¹⁰ ton.....	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Minor oilseeds ¹³ pound.....						
Soybeans..... do.....	2.50	3.50	4.50	4.50	5.02	5.02
Sugar, raw..... pound.....		.1350	.1473	.1300	(⁹)	(⁹)

¹ National averages during the marketing years for the individual crops, beginning in the years shown.

² 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. ³ Support level for 1975 through 1987 represents the statutory established price (the so-called target price) except for extra-long staple cotton which began in 1984.

⁴ Commodities grouped under "Mandatory" are those which the Commodity Credit Corporation is required by law to support. ⁵ 1/16 strict low middling, micronaire 3.5 through 4.9.

per unit, United States, 1976-91 ¹

1982 ³	1983 ³	1984 ³	1985 ³	1986 ³	1987 ³	1988 ³	1989 ³	1990 ³	1991 ³
Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
2.70	2.86	3.03	3.03	3.03	3.03	2.93	2.84	2.75	2.75
2.55	2.65	2.55	2.55	1.92	1.82	1.77	1.65	1.57	1.62
.7100	.7600	.8100	.8100	.8100	.7940	.7590	.7340	.7290	.7290
.5708	.5500	.5500	.5730	.5500	.5225	.5180	.5000	.5027	.5077
.9989	.9625	.9900	1.0314	1.0248	.9770	.9570	.9670	.9810	.9960
.9989	.9625	.8250	.8595	.8540	.8140	.8092	.8177	.8177	.8299
*.2750	*.2750	*.2750	*.2795	*.3037	*.3037	*.3076	*.3079	*.3157	*.3214
10.85	11.40	11.90	11.90	11.90	11.66	11.15	10.80	10.71	10.71
8.14	8.14	8.00	8.00	7.20	6.84	6.63	6.50	6.50	6.50
4.05	4.30	4.38	4.38	4.38	4.38	4.23	4.10	4.00	4.00
3.55	3.65	3.30	3.30	2.40	2.28	2.21	2.05	1.95	2.04
1.699	1.699	1.699	1.699	1.438	1.435	1.442	1.468	1.488	1.528
1.188	1.188	1.188	1.188	1.200	1.196	1.171	1.191	1.262	1.332
¹¹ 1.230	1.230	1.230	1.230	1.242	1.238	1.213	1.226	1.297	1.367
1.751	1.751	1.751	1.488	1.488	1.488	1.500	1.532	1.558	1.584
1.057	1.057	1.057	1.047	1.058	1.054	1.032	1.044	1.107	1.169
1.094	1.094	1.094	1.094	1.060	1.056	1.034	1.052	1.115	1.177
.908	.909	.740	.740	.750	.747	.731	.740	.778	.813
1.212	1.212	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
.907	.907	.907	.907	.877	.914	.895	.909	.962	1.014
13.10	13.10	12.60	11.60	11.60	11.10	10.60	10.60	10.10	10.10
.604	.622	.658	.653	.640	¹² .610	.591	.5636	.5277	.538
3.977	4.627	5.169	4.430	4.930	4.950	4.690	4.588	4.532	4.448
1.37	1.53	1.65	1.65	1.78	1.81	1.78	1.77	1.82	1.88
2.60	2.60	2.60	2.60	2.60	2.60	2.51	2.43	2.36	2.36
2.08	2.16	2.08	2.08	1.56	1.49	1.44	1.34	1.28	1.32
4.64	4.86	5.14	5.14	5.14	5.14	4.96	4.82	4.66	4.66
4.32	4.50	4.32	4.32	3.25	3.11	3.00	2.80	2.66	2.75
⁸ 1.50	1.60	1.60	1.60	1.60	1.60	1.55	1.50	1.45	1.45
1.31	1.36	1.31	1.31	.99	.94	.90	.85	.81	.83
2.17	2.25	2.17	2.17	1.63	1.55	1.50	1.40	1.33	1.38
(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
5.02	5.02	5.02	5.02	4.77	4.77	4.77	4.53	4.50	.089
.1700	.1750	.1775	.1800	.1800	.1800	.1800	.1800	.1800	.1800

³ For quota portion of crop. ⁷ Target level for wheat planted within allotment was \$2.90; target level of \$2.47 for unplanted allotment acreage. ⁸ Grade No. 2 or better except for oats which is Grade No. 3. Oats target or price support level began in 1982. ⁹ No support program. ¹⁰ For ginners purchases from producers, basis Grade 100, plus appropriate differentials to reflect ginners' normal handling costs. ¹¹ Beginning 1982 Fire cured types 22-23. ¹² Loan rate was reduced from 63 to 61 cents per pound on December 23, 1987, because of the Omnibus Budget Reconciliation Act of 1987. n.a. not available. ¹³ Includes flaxseed, sunflower seed (oil and other), safflower, rapeseed (industrial) canola and mustard seed.

Agricultural Stabilization and Conservation Service.

Table 572.—Farm income: Gross and net income from farming, United States, 1976-90

Year	Gross income								Total	Production expenses	Net income of farm operators, current dollars
	Cash receipts			Nonmoney and other farm income							
	Farm marketings ¹	Government payments	Total	Home consumption	Imputed rent	Other farm income ²	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	
1976.....	95,355	734	96,089	1,182	6,115	1,079	-1,548	6,828	102,917	82,741	20,176
1977.....	96,235	1,818	98,053	1,161	7,250	1,222	1,080	10,713	108,766	88,884	19,882
1978.....	112,360	3,030	115,390	1,215	8,057	1,893	1,892	13,057	128,447	103,250	25,197
1979.....	131,529	1,376	132,905	1,346	9,256	2,238	4,975	17,815	150,720	123,304	27,416
1980.....	139,737	1,285	141,022	1,233	11,045	2,274	-6,300	8,252	149,274	133,139	16,135
1981.....	141,616	1,933	143,548	1,214	12,597	2,475	6,488	22,774	166,322	139,444	26,879
1982.....	142,562	3,492	146,054	1,129	13,121	5,225	-1,382	18,093	164,147	140,305	23,841
1983.....	136,770	9,296	140,065	1,049	12,593	5,057	-10,909	7,790	153,856	139,608	14,248
1984.....	142,784	8,431	151,214	1,017	4,881	4,901	5,966	16,766	167,980	141,873	26,108
1985.....	144,114	7,701	151,818	926	4,689	6,035	-2,269	9,381	161,199	132,433	28,768
1986.....	135,303	11,813	147,116	895	4,579	5,689	-2,201	8,962	156,078	125,084	30,994
1987.....	141,759	16,747	158,506	743	4,901	6,590	-2,319	9,915	166,420	128,737	39,683
1988.....	151,082	14,480	165,562	731	5,373	6,342	-3,511	9,029	174,497	133,902	40,595
1989.....	160,893	10,887	171,780	666	5,470	8,107	4,270	18,513	190,293	140,220	50,074
1990 ³	169,987	9,298	179,285	693	5,563	6,692	2,889	15,838	195,123	144,291	50,832

¹ Excludes forest product sales starting with 1978 data.² Includes forest product sales starting with 1978 data.³ Preliminary.

Economic Research Service.

Table 573.—Farm income: Cash receipts from farming and value of home consumption, by States, 1990 (preliminary)

State	Cash receipts				Home consumption ¹		
	Total	Crops	Livestock and products	Government payments	Total	Crops	Livestock and products
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	2,737,422	654,909	2,082,513	82,226	13,186	3,093	10,093
AK.....	26,539	18,977	7,562	1,117	640	38	602
AZ.....	1,865,492	1,046,246	819,246	43,349	4,625	513	4,112
AR.....	4,259,205	1,552,776	2,706,429	312,696	10,938	3,093	7,845
CA.....	18,858,873	13,343,714	5,515,159	252,333	26,773	5,594	21,179
CO.....	4,213,419	1,184,074	3,029,345	236,723	9,195	1,744	7,451
CT.....	445,901	250,068	195,833	2,123	1,990	257	1,733
DE.....	643,661	183,829	459,832	3,213	1,902	191	1,711
FL.....	5,708,300	4,448,019	1,260,281	37,155	4,979	2,698	2,281
GA.....	3,842,186	1,574,081	2,268,105	130,593	8,997	3,225	5,772
HI.....	587,689	499,245	88,444	519	1,072	303	769
ID.....	2,934,519	1,780,841	1,153,678	133,431	10,621	1,435	9,186
IL.....	7,937,793	5,460,821	2,476,972	506,603	39,450	5,463	33,987
IN.....	4,930,668	2,871,067	2,059,601	244,170	17,795	4,476	13,319
IA.....	10,319,173	4,437,024	5,882,149	753,733	32,769	6,845	25,924
KS.....	6,994,864	2,098,649	4,896,215	834,746	17,156	4,541	12,615
KY.....	3,098,398	1,400,075	1,698,323	81,610	23,146	6,121	17,025
LA.....	1,921,224	1,284,157	637,067	154,631	6,753	2,238	4,515
ME.....	460,387	240,492	219,895	6,982	3,095	480	2,615
MD.....	1,345,165	516,701	828,464	17,386	7,859	1,000	6,859
MA.....	418,462	302,525	115,937	3,023	1,941	454	1,487
MI.....	3,183,356	1,785,034	1,398,322	168,831	16,015	3,554	12,461
MN.....	7,011,173	3,253,477	3,757,696	511,759	81,844	5,858	25,986
MS.....	2,432,964	1,111,288	1,321,676	185,969	9,425	2,633	6,792
MO.....	3,938,589	1,667,374	2,270,615	299,065	37,033	7,108	29,925
MT.....	1,605,731	742,052	863,679	299,599	10,856	1,626	9,230
NE.....	8,845,164	2,807,674	6,037,490	624,646	16,015	3,752	12,263
NV.....	333,435	115,085	218,350	5,347	3,495	165	3,330
NH.....	133,892	70,720	63,172	1,856	1,734	197	1,537
NJ.....	647,383	451,510	195,873	15,744	1,678	533	1,145
NM.....	1,523,793	482,814	1,045,979	63,840	8,461	889	7,572
NY.....	3,006,046	1,022,887	1,983,159	59,304	11,875	2,534	9,341
NC.....	4,866,512	2,213,714	2,652,798	73,255	20,309	4,081	16,228
ND.....	2,537,350	1,723,899	813,451	545,373	9,149	2,238	6,911
OH.....	4,171,818	2,335,424	1,836,394	197,006	23,094	5,529	17,565
OK.....	3,554,437	1,191,312	2,363,125	319,040	21,188	4,607	16,581
OR.....	2,311,783	1,557,088	754,695	89,137	22,134	2,402	19,732
PA.....	3,767,174	1,053,407	2,713,767	41,414	27,227	3,488	23,749
RI.....	70,793	58,269	12,524	191	206	51	155
SC.....	1,175,560	599,038	576,522	62,637	7,952	1,613	6,339
SD.....	3,348,717	1,036,068	2,312,649	332,851	15,093	2,304	12,789
TN.....	2,038,610	928,009	1,110,601	91,029	23,074	5,858	17,216
TX.....	11,980,527	4,268,378	7,712,149	974,702	37,401	12,242	25,159
UT.....	754,826	178,686	576,140	34,897	9,149	869	8,280
VT.....	446,722	48,951	397,771	5,793	4,960	461	4,499
VA.....	2,119,638	740,881	1,378,752	32,378	18,870	3,028	15,842
WA.....	3,815,779	2,420,139	1,395,640	205,425	20,875	2,435	18,440
WV.....	338,132	69,517	268,615	6,049	8,288	1,349	6,939
WI.....	5,706,149	1,124,923	4,581,226	181,243	25,861	5,265	20,596
WY.....	766,767	157,193	609,574	31,233	4,998	586	4,412
US.....	169,987,155	80,363,701	89,623,454	9,298,030	693,151	141,057	552,094

¹ Value of farm products consumed directly in farm households where produced.

Economic Research Service.

Table 574.—Expenses: Farm production expenses, United States, 1976-90

Year	Feed purchased	Livestock and poultry purchased	Seed purchased ¹	Fertilizer, lime, and pesticides	Petroleum fuel and oils ²	Depreciation and other consumption of farm capital ³	Contract and hired labor ⁴	Taxes on farm property ⁵	Interest on farm mortgage debt ⁶	Net rent to non-operator landlords ⁷	Miscellaneous ⁸	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
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	17,692	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	10,870	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	12,301	7,734	24,189	9,379	4,010	10,481	5,476	35,289	140,305
1983...	20,573	8,818	2,690	10,925	7,211	23,758	8,938	4,465	10,815	5,211	36,204	139,608
1984...	19,383	9,487	3,386	13,048	7,296	20,847	9,427	4,337	10,733	8,150	35,779	141,873
1985...	16,949	9,184	3,128	11,846	6,436	19,299	10,008	4,542	9,878	7,690	33,474	132,432
1986...	17,472	9,758	3,188	11,144	5,310	17,788	9,484	4,612	9,131	6,099	31,098	125,085
1987...	17,468	11,842	3,259	10,965	4,957	16,740	9,975	4,853	8,187	7,304	33,193	128,737
1988...	20,398	12,764	3,359	11,524	5,091	17,075	10,441	4,848	7,885	7,445	33,079	133,902
1989...	21,002	13,138	3,558	12,686	4,983	17,553	11,110	5,127	7,781	7,911	35,371	140,219
1990...	20,727	14,737	3,582	12,864	5,951	17,545	12,543	5,623	7,667	8,177	34,875	144,291

¹ Includes bulbs, plants, and trees. ² For farm business use only. ³ Estimated outlay necessary, at current prices, for the replacement of capital equipment that has been used up during the year. ⁴ Includes contract labor expenses and hired labor cash wages, perquisites, and Social Security taxes paid by employers. ⁵ Includes taxes levied against farm real estate and farm personal property. ⁶ Interest charges payable during the calendar year on outstanding farm-mortgage debt. ⁷ Different data sources were used for the three time periods 1978 and previous years, 1979-1983, and 1984-1985. Estimates are not strictly compatible among the three periods. ⁸ 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. ⁹ Preliminary.

Economic Research Service.

Table 575.—Farm family income: Number of farm families and percentage distribution by size of total money income, United States, 1976-89 ¹

Year	Number ²	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	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Dollars	
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	7.8	9.3	11.5	19.0	24.2	17.8	12,637
1978.....	2,051		5.4		2.1	5.0	7.6	10.4	18.1	28.4	23.0	15,284

Year	Number ³	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	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Dollars
1979.....	1,667	5.0	5.6	8.0	8.5	18.7	14.4	11.0	8.4	9.8	10.6	16,351
1980.....	1,631	7.3	4.4	9.7	9.1	17.4	13.0	12.4	8.8	9.0	8.8	15,754
1981.....	1,598	9.4	4.3	6.3	7.0	17.8	12.4	13.6	8.0	10.6	10.6	17,082
1982.....	1,617	7.5	3.7	5.9	7.8	14.0	14.1	13.5	9.1	13.8	10.6	18,756
1983.....	1,558	7.8	3.9	5.7	5.8	16.3	13.5	12.0	8.9	11.9	14.2	18,925
1984.....	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
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	4.8	3.2	4.4	4.6	12.1	11.7	13.0	10.3	14.5	21.5	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
1988.....	1,351	2.1	1.0	4.0	3.6	10.1	13.6	11.3	9.2	17.8	27.2	27,222

Year	Number ³	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$29,999	\$30,000 to \$34,999	\$35,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$74,999	\$75,000 or more	Median income
	Thousands	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Dollars
1989.....	1,390	10.1	8.1	9.1	9.7	11.2	8.6	9.5	12.7	14.0	7.1	30,809

¹ 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. ² Number of families residing on farms. The term "farm" is the same as that used in the 1960 and 1970 censuses. Farm was defined as a place in rural territory, from which sales of farm products for the preceding year amounted to at least \$50 for 10 or more acres, or at least \$250 for less than 10 acres. ³ Number of families residing on farms. The term "farm" is the same used in the 1980 census. Farm is defined as a place in rural territory with \$1000 or more in the sales of crops, livestock or other farm products during the preceding year. ⁴ Data not available from the Bureau of the Census.

Economic Research Service. Estimates are from Current Population Survey data. Bureau of the Census.

Table 576.—Pesticides: Inorganic materials for formulation or manufacture and shipments to agriculture, United States, 1980-89

Item	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Used in pesticide formulation:										
Talc, soapstone, and pyrophyllite.....	Tons 39,000	Tons 42,000	Tons 26,000	Tons 17,000	Tons 22,000	Tons 19,000	Tons 18,000	Tons 12,000	Tons 5,000	Tons 12,000
Fuller's earth.....	180,594	184,218	167,537	153,589	216,423	256,812	163,989	175,217	200,408	155,605
Kaolin.....	48,834	80,661	29,945	17,678	42,281	67,229	20,778	40,804	61,290	21,707
Bentonite.....	5,945	3,378	5,097	7,788	6,802	1,132	5,377	13,680	7,347	10,601
Other clays.....	898	10,763	(¹)	(¹)	9,320	5,144	3,948	3,368	4,401	15,553
Used in manufacture:										
Mercury.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Shipments to agriculture:										
Copper sulfate.....	15,593	22,704	14,707	18,566	21,896	16,201	24,031	25,320	23,240	23,924
Zinc sulfate (dry basis) ..	12,397	13,807	13,341	13,113	12,573	15,083	20,521	16,462	14,994	12,040

¹ Not available.

Agricultural Stabilization and Conservation Service. Based on data reported by the U.S. Department of the Interior.

Table 577.—Pesticides (insecticides, fungicides, and weed killers): Production and foreign trade, United States, 1983-89

Item	1983	1984	1985	1986	1987	1988	1989
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
PRODUCTION							
Copper sulfate.....	82,673	76,851	72,179	75,297	73,502	75,363	78,238
2,4-D acid.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Other organic pesticides.....	1,016,544	1,189,169	1,234,914	1,180,042	1,039,537	1,163,833	1,261,896
IMPORTS							
Pyrethrum flowers.....	244	163	407	693	544	1,887	(¹)
Pyrethrum extract.....	283	326	356	274	248	258	(¹)
Rotenone-bearing roots.....	1,122	1,105	619	619	1,179	1,502	(¹)
EXPORTS							
Fungicides ²	81,360	102,960	101,086	104,088	101,824	98,127	55,452
2,4-D and 2,4,5-T, acid basis ³	10,252	15,677	11,342	18,167	17,261	18,075	13,561
Other herbicides.....	217,602	277,340	378,372	272,848	305,322	349,645	257,677
DDT.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Other polychlor insecticides.....	16,599	12,086	12,855	7,313	7,305	5,500	5,126
Organophosphorus insecticides.....	75,117	81,345	78,819	71,120	54,677	54,521	49,290
Other agricultural insecticides.....	77,021	95,067	87,728	83,146	71,343	88,670	82,720
Fumigants.....	15,254	15,812	22,244	16,812	22,858	15,211	13,400
Disinfectants, deodorants, and germicides.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Household and industrial insecticides, repellents, and rodenticides.....	5,482	5,276	4,524	7,418	5,943	3,670	3,350

¹ Not available. ² Includes copper sulfate and agricultural sulfur, which were previously listed separately.³ 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 578.—Taxes levied on farm real estate: Amount, amount per acre, index numbers of amount per acre, United States, 1975–89

Year ¹	Farm real estate		
	Amount	Taxes per acre	
		Amount	Index
	<i>Million dollars</i>	<i>Dollars</i>	<i>1977=100</i>
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.....	3,441.9	3.83	115
1981.....	3,678.2	4.08	122
1982.....	3,678.4	4.08	122
1983.....	3,823.9	4.26	128
1984.....	3,905.3	4.36	131
1985.....	3,961.4	4.44	133
1986.....	3,948.6	4.47	134
1987.....	4,233.5	4.82	144
1988.....	4,304.1	4.91	147
1989.....	4,422.4	5.06	152

¹ Beginning 1980, excludes Alaska.
Economic Research Service.

Table 579.—Taxes levied on farm real estate: Amount levied on farm real estate, amount per acre, and amount per \$100 of full value, by States, 1988 and 1989 ¹

State	Amount levied on farm real estate		Taxes per acre, amount		Taxes per \$100 of full value	
	1988	1989	1988	1989	1988	1989
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	11.0	11.4	1.23	1.27	0.15	0.16
AZ.....	40.7	45.5	4.77	5.41	1.71	1.97
AR.....	40.0	40.6	2.83	2.88	.37	.37
CA.....	245.8	240.0	9.50	9.36	.60	.57
CO.....	61.6	67.1	2.09	2.29	.57	.62
CT.....	10.1	9.7	25.86	24.76	.62	.56
DE.....	.8	.8	1.37	1.45	.08	.07
FL.....	107.2	113.7	10.04	10.94	.56	.58
GA.....	52.6	54.8	4.93	5.31	.54	.53
HI.....	21.8	25.0	12.74	14.65	.66	.63
ID.....	39.2	41.7	3.48	3.70	.61	.62
IL.....	474.7	451.8	16.69	15.94	1.32	1.15
IN.....	117.0	122.5	7.17	7.51	.62	.60
IA.....	323.2	353.6	10.24	11.21	1.08	1.02
KS.....	131.7	118.1	2.84	2.55	.69	.59
KY.....	32.7	32.2	2.36	2.34	.26	.26
LA.....	19.2	19.6	2.47	2.52	.26	.26
ME.....	11.4	11.6	8.53	8.74	.89	.86
MD.....	21.3	21.9	9.37	9.81	.41	.40
MA.....	16.2	15.3	27.35	26.33	.79	.70
MI.....	314.9	325.6	30.94	32.31	3.19	3.29
MN.....	155.2	162.1	5.86	6.12	.84	.82
MS.....	19.8	21.3	1.93	2.10	.28	.30
MO.....	68.6	70.3	2.37	2.43	.37	.36
MT.....	85.3	88.3	1.21	1.25	.59	.60
NE.....	274.4	290.8	6.27	6.65	1.37	1.27
NV.....	3.5	3.6	.66	.68	.29	.29
NH.....	8.0	7.9	19.06	18.96	.90	.85
NJ.....	30.5	31.4	35.53	36.63	.90	.81
NM.....	10.9	12.9	.36	.42	.20	.22
NY.....	141.7	147.6	17.14	18.30	1.73	1.79
NC.....	51.7	52.0	5.62	5.82	.44	.44
ND.....	77.6	79.8	2.07	2.13	.65	.65
OH.....	148.5	142.6	9.95	9.44	.83	.75
OK.....	54.7	55.4	1.81	1.83	.38	.35
OR.....	76.2	82.3	4.73	5.11	.87	.96
PA.....	112.0	123.0	14.57	16.18	.92	.86
RI.....	2.6	2.8	44.95	48.23	.95	.96
SC.....	14.4	15.1	3.06	3.20	.35	.34
SD.....	105.6	104.8	2.85	2.83	1.06	.97
TN.....	47.1	46.2	4.06	3.98	.41	.40
TX.....	304.6	320.3	2.39	2.51	.44	.49
UT.....	12.1	11.7	1.72	1.67	.41	.40
VT.....	17.2	18.7	12.38	13.43	1.10	1.13
VA.....	50.2	55.3	5.83	6.48	.49	.49
WA.....	60.2	60.8	4.69	4.73	.63	.62
WV.....	3.4	3.5	1.01	1.06	.15	.15
WI.....	258.0	272.7	15.59	16.58	1.89	1.96
WY.....	16.8	16.2	.71	.69	.48	.48
US ²	4,304.1	4,422.4	4.91	5.06	.77	.76

¹ Totals may not add due to rounding. ² Excludes Alaska.
Economic Research Service.

Table 530.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948-90

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drainage)	Frost freeze, (other cold damage)	Flood	Cy-clone, tornado, wind, hot wind	In-sects	Dis-ease	All others
		Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Almonds.....	1981-90	1	2	55	39	0	2	0	0	1
Apples.....	1963-90	7	24	1	60	0	3	0	0	5
Barley.....	1956-90	68	10	7	3	1	2	7	0	2
Bean, canning.....	1988-90	49	1	28	8	0	9	2	2	1
Bean, dry edible.....	1948-90	40	20	13	14	2	2	1	6	2
Cherry, red tart.....	1963-66	0	8	0	89	0	3	0	0	0
Citrus.....	1951-90	1	1	0	96	0	2	0	0	0
Combined crop.....	1984-87	0	0	0	0	0	0	0	0	100
Corn.....	1948-90	71	7	10	3	3	3	1	1	1
Cotton.....	1948-90	46	16	18	11	1	5	2	0	1
Cotton, ELS.....	1984-90	7	20	10	50	3	2	1	2	5
Cranberries.....	1984-90	13	19	7	20	1	0	0	1	39
Citrus trees.....	1983-90	0	0	0	100	0	0	0	0	0
Figs.....	1988-90	15	0	54	16	0	2	0	0	13
Flax.....	1948-90	46	8	22	6	1	7	2	3	5
Forage production.....	1948-90	40	0	12	43	0	0	1	0	4
Forage seeding.....	1978-90	40	1	13	28	0	12	4	0	2
Fresh plums.....	1991-90	0	1	3	86	0	3	0	0	7
Fresh sweet corn.....	1985-90	2	1	0	89	0	8	0	0	0
Fresh tomato.....	1984-90	1	3	7	76	0	12	0	0	1
Grain sorghum.....	1959-90	58	4	12	13	2	4	5	0	2
Grapes.....	1967-90	17	5	29	43	1	4	0	0	1
Hybrid Corn seed.....	1983-90	81	1	12	2	0	2	1	0	1
Oat.....	1956-90	73	9	9	5	0	2	1	1	0
Onion.....	1988-90	19	11	40	6	8	9	0	0	7
Orange.....	1958-80	0	0	0	100	0	0	0	0	0
Pea, dry and green.....	1962-90	41	8	23	15	0	8	0	4	1
Peach.....	1957-90	2	12	1	84	0	0	0	0	1
Peach, canning.....	1986-87	4	0	92	0	0	0	0	0	4
Peanut.....	1962-90	78	0	10	2	0	1	0	8	1
Pears.....	1989-90	0	3	0	61	0	0	0	0	36
Peppers.....	1984-90	0	5	6	83	0	5	0	0	1
Popcorn.....	1984-90	32	14	17	20	6	8	1	0	2
Potato.....	1962-90	43	4	20	18	6	4	0	4	1
Prevented planting.....	1982-90	0	0	77	0	23	0	0	0	0
Prunes.....	1986-90	35	2	34	10	0	8	0	0	11
Raisin.....	1961-90	0	0	100	0	0	0	0	0	0
Rice.....	1958-90	12	0	37	5	5	12	1	16	12
Rye.....	1980-90	68	9	6	10	1	3	1	0	2
Safflower.....	1964-90	83	0	0	1	0	13	1	1	1
Hybrid Sorghum seed.....	1988-90	6	17	3	69	0	5	0	0	0
Soybean.....	1955-90	63	5	24	2	2	2	0	1	1
Stonefruit.....	1988-90	6	1	20	46	0	1	0	0	26
Sugarbeet.....	1965-90	40	5	12	13	4	10	3	10	3
Sugarcane.....	1967-90	3	0	10	71	0	4	8	3	3
Sunflower.....	1976-90	45	12	8	21	0	3	7	2	2
Sweet corn.....	1978-90	59	4	20	5	1	8	0	2	1
Table grapes.....	1984-90	36	3	38	8	0	6	0	1	8
Tobacco.....	1948-90	42	13	26	2	1	7	0	8	1
Tomato.....	1963-90	35	1	52	6	0	2	1	3	0
Tung nut.....	1965-70	0	0	0	100	0	0	0	0	0
Walnuts.....	1984-90	25	1	40	21	0	10	0	0	3
Wheat.....	1948-90	59	12	7	11	1	3	3	3	1
All crops.....	1948-90	56	9	15	10	2	3	2	2	1

Federal Crop Insurance Corporation.

Table 581.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1988-90 ¹

Commodity and year	Coverage				Amount of premium <i>1,000 dollars</i>	Indemnities		
	County programs	Insured units ²	Area insured ³	Maximum insured production		Number	Area indemnified ⁴	Amount
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 dollars</i>			<i>1,000 acres</i>	<i>1,000 dollars</i>
Almonds:								
1988.....	18	1,546	90	93,781	5,861	184	15	5,562
1989.....	18	2,075	111	111,682	6,534	801	42	8,787
1990.....	18	2,311	120	119,495	7,282	72	5	1,283
Apple:								
1988.....	159	1,618	46	62,268	5,737	708	22	12,799
1989.....	231	2,146	67	74,133	7,703	873	26	13,703
1990.....	264	2,173	63	54,978	5,893	1,193	36	16,199
Barley:								
1988.....	2,620	48,482	2,830	130,950	11,237	35,107	2,601	52,938
1989.....	2,620	79,026	4,323	195,706	17,993	26,308	1,772	26,528
1990.....	2,620	69,123	3,767	220,774	19,898	12,233	916	18,156
Bean, dry edible:								
1988.....	272	10,071	477	62,309	5,079	3,007	184	9,607
1989.....	323	17,804	851	141,875	12,129	7,483	510	35,858
1990.....	352	24,439	1,147	181,062	18,746	5,587	405	21,904
Bean, canning:								
1988.....	103	115	10	2,036	166	52	4	423
1989.....	164	485	32	4,972	434	78	5	441
1990.....	184	354	21	3,286	302	64	4	368
Citrus:								
1988.....	43	604	17	11,157	928	34	0	103
1989.....	44	2,061	44	35,611	2,857	150	3	1,098
1990.....	45	2,254	42	35,291	2,738	1,561	26	11,709
Citrus tree:								
1988.....	3	20	(*)	344	13	0	0	0
1989.....	3	2,678	21	42,722	1,753	1	(*)	1
1990.....	3	2,280	27	55,152	2,235	2,277	27	54,476
Corn:								
1988.....	2,849	241,307	11,877	1,676,398	86,320	102,086	6,404	274,649
1989.....	2,850	547,177	30,069	5,164,625	267,328	83,248	5,654	243,885
1990.....	2,851	507,620	26,286	4,038,832	213,940	54,450	3,144	115,885
Cotton:								
1988.....	690	30,087	2,379	331,049	39,940	6,876	675	36,445
1989.....	691	52,456	3,377	477,357	52,832	26,463	2,783	126,775
1990.....	707	76,648	4,667	694,880	80,975	21,437	2,366	102,460
Cotton: ELS:								
1988.....	12	18	2	1,175	82	1	(*)	32
1989.....	12	167	20	9,821	848	75	9	1,478
1990.....	41	233	18	8,182	957	123	11	2,324
Cranberries:								
1988.....	32	100	4	22,609	639	6	(*)	556
1989.....	32	129	5	27,155	789	27	1	2,134
1990.....	32	144	5	26,266	798	26	1	1,916
Figs:								
1988.....	4	66	3	1,980	181	5	1	181
1989.....	4	76	4	3,284	305	14	1	306
1990.....	4	88	5	3,301	282	23	2	658
Flax:								
1988.....	119	1,198	41	1,390	166	918	41	690
1989.....	120	3,093	101	3,174	394	2,241	101	1,390
1990.....	120	3,908	142	5,056	626	990	46	647
Forage:								
1988.....	26	34	4	676	32	15	1	91
1989.....	143	7,918	501	36,745	1,694	2,628	195	4,418
1990.....	180	5,939	379	45,061	2,546	2,270	156	8,364
Forage seeding:								
1988.....	21	36	1	34	2	15	(*)	9
1989.....	63	200	7	288	24	76	3	80
1990.....	151	1,353	39	2,417	191	533	18	600
Fresh Plum:								
1990.....	7	53	1	1,562	126	14	(*)	109
Fresh Sweet Corn:								
1988.....	2	282	17	7,302	428	56	3	616
1989.....	7	234	19	8,035	477	103	8	683
1990.....	12	324	21	9,448	501	38	3	657
Fresh Tomato:								
1988.....	26	309	16	37,371	4,214	28	1	1,027
1989.....	49	271	16	36,579	3,740	62	3	3,640
1990.....	54	298	15	37,736	4,317	122	7	10,003
Grain sorghum:								
1988.....	2,468	33,787	1,308	90,258	7,134	7,950	485	9,899
1989.....	2,468	88,988	4,110	347,321	27,426	33,793	2,696	66,319
1990.....	2,486	85,776	3,499	203,785	16,080	20,972	2,095	30,458

See footnotes at end of table.

Table 581.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1988-90 ¹—Continued

Commodity and year	Coverage				Amount of premium 1,000 dollars	Indemnities		
	County programs	Insured units ²	Area insured ³	Maximum insured production		Number	Area indemnified ⁵	Amount
	Number	Number	1,000 acres	1,000 dollars			1,000 acres	1,000 dollars
Grape:								
1988.....	66	1,258	44	33,586	2,411	124	3	455
1989.....	97	1,605	51	42,376	3,098	229	6	2,122
1990.....	117	1,632	52	48,104	3,514	297	8	2,446
Hybrid corn seed:								
1988.....	398	5,924	239	90,347	6,158	4,205	263	31,866
1989.....	414	10,648	467	177,093	12,217	2,389	160	11,413
1990.....	481	8,636	370	139,766	10,061	1,937	128	7,739
Hybrid sorghum seed:								
1988.....	12	34	2	644	90	21	2	237
1989.....	15	63	6	1,681	235	29	6	998
1990.....	16	88	7	2,001	326	51	8	1,141
Macadamia nuts:								
1988.....	4	7	1	2,631	37	0	0	0
1989.....	4	23	2	2,359	22	0	0	0
1990.....	4	24	2	2,593	25	0	0	0
Macadamia trees:								
1988.....	4	7	1	11,727	164	0	0	0
1989.....	4	21	2	19,420	257	0	0	0
1990.....	4	19	2	18,855	251	0	0	0
Oat:								
1988.....	2,532	11,760	475	14,103	1,454	8,555	464	8,248
1989.....	2,531	74,090	2,536	85,156	8,061	28,619	1,457	22,656
1990.....	2,732	54,733	1,737	76,951	8,100	11,932	542	11,784
Onion:								
1988.....	52	124	7	4,603	304	70	3	727
1989.....	63	170	9	5,735	361	63	3	1,014
1990.....	64	194	10	6,202	395	52	1	610
Pea, dry green:								
1988.....	161	2,912	144	17,360	1,477	1,374	64	2,708
1989.....	175	4,220	188	25,855	2,187	484	24	1,325
1990.....	189	3,927	181	25,691	2,236	1,058	68	3,343
Peach:								
1988.....	96	752	34	13,652	1,515	275	14	3,483
1989.....	166	1,112	43	14,929	1,691	741	29	7,860
1990.....	257	1,603	52	16,847	1,988	928	32	8,036
Peanut:								
1988.....	278	22,491	804	405,635	20,342	6,352	312	31,654
1989.....	292	28,308	986	523,023	26,107	7,228	311	33,286
1990.....	296	29,528	1,131	597,639	30,063	15,480	740	198,817
Pears:								
1988.....	22	68	1	1,714	118	1	(*)	1
1989.....	23	69	2	2,049	135	7	(*)	21
Pepper:								
1988.....	10	62	3	6,136	593	4	(*)	409
1989.....	11	47	3	5,586	569	8	1	877
1990.....	12	45	2	4,629	511	22	1	1,044
Popcorn:								
1988.....	184	865	41	6,580	444	310	19	1,212
1989.....	279	1,581	81	18,503	1,174	190	14	1,089
1990.....	312	1,729	83	16,517	1,028	261	17	943
Potato:								
1988.....	237	2,203	183	119,944	6,199	946	83	17,916
1989.....	305	3,140	252	154,217	8,196	1,155	100	20,258
1990.....	328	4,072	306	183,974	10,728	1,467	123	27,144
Prevented plant endorsement:								
1988.....	0	0	0	0	0	0	0	0
1989.....	0	2	1	7	(*)	0	0	0
1990.....	0	6	1	12	(*)	0	0	0
Prunes:								
1988.....	13	169	11	10,376	650	70	4	1,382
1989.....	13	218	13	11,522	738	13	1	284
1990.....	15	249	15	12,334	806	154	9	3,232
Raisin:								
1988.....	7	2,600	* 170	91,348	7,885	0	* 0	0
1989.....	7	3,909	319	190,454	16,278	834	107	33,626
1990.....	7	3,256	208	119,495	10,198	4	1	73
Rice:								
1988.....	165	3,771	440	90,511	2,662	854	139	7,417
1989.....	165	4,148	441	91,265	2,660	908	134	7,902
1990.....	165	5,765	541	110,676	3,412	1,329	160	11,660

See footnotes at end of table.

Table 581.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1988-90 ¹—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units ²	Area insured ³	Maximum insured production		Number	Area indemnified ³	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>
Rye:								
1988.....	36	86	4	124	13	59	4	49
1989.....	54	700	33	766	89	161	12	122
1990.....	58	360	14	426	49	72	3	46
Safflower:								
1988.....	40	456	24	639	84	317	22	336
1989.....	59	516	45	4,526	355	236	30	1,262
1990.....	68	797	156	22,719	2,652	563	149	18,766
Soybean:								
1988.....	1,879	207,200	10,531	1,086,178	74,146	74,422	5,241	142,019
1989.....	1,883	449,684	20,744	2,693,992	150,878	65,247	4,949	145,097
1990.....	1,968	398,911	17,482	2,024,475	121,659	55,846	3,891	101,433
Stonefruit:								
1988.....	16	121	4	5,234	404	24	2	536
1989.....	16	129	4	4,911	368	6	(*)	58
1990.....	16	188	3	4,814	342	17	(*)	160
Sugarbeet:								
1988.....	145	5,053	307	132,015	5,794	2,410	178	12,576
1989.....	153	7,732	455	185,735	7,901	2,020	133	8,921
1990.....	155	10,345	607	255,809	12,430	2,682	202	14,813
Sugarcane:								
1988.....	23	138	19	8,875	478	4	1	37
1989.....	23	169	20	9,561	505	92	15	4,831
1990.....	23	310	24	10,981	628	146	9	1,647
Sunflower:								
1988.....	194	11,282	687	33,976	2,994	4,384	344	6,334
1989.....	219	17,613	989	60,299	5,490	6,681	502	9,693
1990.....	237	19,672	1,132	70,327	6,385	4,136	297	6,318
Sweet Corn:								
1988.....	189	2,281	105	18,259	1,031	699	33	1,802
1989.....	199	3,417	154	26,807	1,568	240	11	830
1990.....	213	3,179	148	26,760	1,613	293	16	1,178
Table Grape:								
1988.....	10	128	5	7,517	568	13	1	350
1989.....	13	117	6	8,693	643	14	(*)	371
1990.....	14	99	4	7,519	555	4	(*)	90
Tobacco:								
1988.....	495	57,517	243	541,927	15,389	3,606	22	13,632
1989.....	499	62,355	278	639,977	18,311	7,784	66	29,828
1990.....	500	65,167	306	726,032	22,140	4,906	27	20,021
Tomato:								
1988.....	84	886	59	57,043	3,599	128	16	2,525
1989.....	106	1,192	80	77,179	4,944	343	26	8,343
1990.....	120	1,516	87	86,585	5,650	216	16	3,765
Walnut:								
1988.....	29	41	2	1,617	80	7	(*)	19
1989.....	29	100	4	2,901	146	21	1	296
1990.....	29	99	5	3,889	180	23	1	288
Wheat:								
1988.....	2,849	219,651	16,753	962,323	69,057	113,153	12,354	260,214
1989.....	2,849	369,778	29,781	1,803,637	138,787	148,140	16,407	316,475
1990.....	2,850	483,712	36,361	2,433,836	199,184	68,290	8,303	178,301
Total, all commodities:								
1988.....	19,675	929,459	50,464	6,307,997	394,131	379,434	30,025	953,770
1989.....	20,507	1,853,859	101,672	13,610,964	819,214	458,300	38,317	1,208,322
1990.....	21,354	1,885,248	101,295	12,805,071	885,678	296,158	24,020	1,023,035

¹ Data for 1990 are preliminary. ² 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. ³ The insured's share of the planted area on the farm. ⁴ Less than 500. ⁵ Thousands of tons insured for raisins (not included in total of all commodities). n.a. not available.

Federal Crop Insurance Corporation.

Table 582.—Farm real estate debt: Amount outstanding by farming regions, Dec. 31, 1975-90¹

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>
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	7,964,741	7,768,451
1984.....	4,829,869	12,465,632	26,862,422	12,799,494	7,771,505	7,736,521
1985.....	4,589,982	11,738,512	24,902,363	11,896,287	7,358,756	7,347,741
1986.....	4,197,837	10,419,615	22,245,000	10,670,275	6,675,866	6,731,941
1987.....	4,003,223	9,380,812	20,041,161	9,612,181	6,353,289	6,334,724
1988.....	3,966,309	8,732,609	18,980,187	9,084,305	6,261,632	6,050,562
1989.....	4,109,130	8,232,809	18,367,338	8,738,177	6,144,922	5,899,984
1990 ²	3,947,386	7,690,801	17,432,036	8,550,041	6,085,320	5,774,849

Year	Delta States	Southern Plains	Mountain	Pacific	United States ³
	<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>
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	7,945,855	9,150,127	11,165,948	97,486,994
1981.....	5,962,193	8,433,570	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	112,303,439
1985.....	5,603,762	9,176,682	9,632,807	13,199,941	105,739,201
1986.....	4,949,332	8,527,166	8,783,451	12,398,731	95,879,801
1987.....	4,552,238	7,873,394	7,873,954	11,424,246	87,717,604
1988.....	4,177,621	7,216,878	7,323,254	10,898,661	82,952,522
1989.....	4,023,261	6,797,640	6,944,297	10,971,025	80,476,478
1990 ²	3,974,693	6,713,674	6,799,776	11,177,347	78,398,018

¹ 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. ² Preliminary. ³ Includes Alaska and Hawaii.

Economic Research Service.

Table 583.—Farm real estate debt: Amount outstanding, by States, Dec. 31, 1970, 1980, 1987, 1988, 1989, and 1990 ¹

State	1970	1980	1987	1988	1989	1990 ²
	<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	974,483	898,942	870,528	768,266
AK.....	2,619	25,872	20,720	22,230	23,575	20,719
AZ.....	301,824	655,778	672,635	671,668	666,578	644,378
AR.....	743,015	1,967,032	1,766,932	1,665,883	1,638,069	1,766,963
CA.....	2,451,999	7,239,041	7,673,022	7,353,564	7,509,231	7,859,002
CO.....	682,274	2,236,462	1,833,025	1,743,229	1,644,210	1,608,249
CT.....	41,255	114,192	94,983	122,665	103,368	104,995
DE.....	42,108	141,693	151,492	155,529	151,124	164,633
FL.....	647,169	2,333,652	2,614,918	2,650,370	2,740,778	2,761,766
GA.....	632,776	2,273,187	1,976,609	1,848,267	1,707,272	1,685,945
HI.....	23,026	123,295	247,609	238,287	229,320	231,378
ID.....	619,135	1,797,200	1,566,671	1,430,125	1,318,323	1,253,732
IL.....	1,551,230	5,714,603	4,951,285	4,687,471	4,510,080	4,238,648
IN.....	1,127,888	4,247,972	3,429,739	3,262,396	3,169,070	2,887,432
IA.....	2,277,513	7,840,195	6,343,940	5,911,662	5,742,351	5,470,853
KS.....	1,066,214	3,291,184	2,767,861	2,669,913	2,589,500	2,557,632
KY.....	625,388	2,151,096	1,902,613	1,829,775	1,784,606	1,742,145
LA.....	479,020	1,565,065	1,123,486	991,126	924,586	810,042
ME.....	63,347	169,591	139,461	133,461	127,691	122,052
MD ³	240,397	652,826	578,749	569,674	631,091	583,898
MA.....	41,209	96,059	87,730	89,450	113,142	124,527
MI.....	700,584	2,095,943	1,955,639	1,787,974	1,652,726	1,543,395
MN.....	1,377,542	5,005,871	4,331,465	4,031,658	3,821,403	3,360,926
MS.....	651,850	1,841,406	1,661,870	1,520,612	1,460,607	1,397,688
MO.....	1,077,082	3,563,856	3,084,068	2,952,225	2,844,370	2,810,396
MT.....	661,862	2,264,995	1,953,031	1,769,631	1,697,424	1,643,554
NE.....	1,149,962	3,784,748	3,287,867	3,103,169	2,995,292	2,804,799
NV.....	85,464	280,952	248,447	209,560	204,202	185,709
NH.....	19,072	56,108	39,317	38,176	36,966	36,955
NJ.....	120,634	315,152	255,375	253,461	258,294	268,089
NM.....	287,598	717,776	677,472	641,479	611,477	595,953
NY.....	431,635	1,216,789	1,045,431	1,013,904	1,116,676	971,309
NC.....	474,859	1,884,791	1,790,595	1,649,438	1,608,463	1,515,762
ND.....	549,263	1,965,647	1,943,685	1,820,962	1,727,669	1,739,707
OH.....	889,971	2,806,194	2,232,129	2,166,433	2,101,466	2,024,707
OK.....	805,052	2,421,534	2,194,954	2,074,170	1,965,066	1,844,587
OR.....	552,721	1,979,220	1,911,788	1,876,857	1,841,160	1,748,284
PA.....	428,045	1,513,069	1,401,341	1,376,585	1,358,231	1,359,682
RI.....	3,661	11,324	15,275	16,728	16,736	15,716
SC.....	224,699	819,681	768,714	652,983	581,407	558,873
SD.....	593,656	1,918,326	1,612,768	1,490,261	1,425,715	1,447,902
TN.....	570,928	1,583,294	1,279,363	1,229,974	1,199,952	1,257,327
TX.....	2,327,518	5,524,321	5,678,440	5,142,708	4,832,574	4,869,087
UT.....	143,625	552,503	480,132	461,809	423,555	391,710
VT.....	81,961	202,018	194,069	196,676	195,809	195,531
VA.....	366,938	1,149,283	1,131,339	1,210,053	1,223,724	1,264,079
WA.....	619,361	1,947,687	1,839,436	1,668,240	1,620,635	1,570,061
WV.....	74,743	234,522	248,879	342,392	323,176	306,007
WI.....	903,426	3,315,795	3,093,708	2,912,977	2,758,679	2,786,479
WY.....	241,318	644,461	442,541	395,753	378,529	476,491
US.....	30,638,631	97,486,994	87,717,604	82,952,522	80,476,478	78,398,018

¹ Includes operator households. Includes Commodity Credit Corporation storage and drying facility loans.

² Preliminary. ³ Includes District of Columbia.

Economic Research Service.

FARM REAL ESTATE DEBT

Table 584.—Farm real estate debt: Amount outstanding by lender, by States, Dec. 31, 1989 and 1990 ¹

State	Federal land banks ²		Life insurance companies ³		Farmers Home Administration ⁵		All operating banks		Individuals and others ⁶	
	1989 ⁴	1990 ⁴	1989 ⁴	1990 ⁴	1989 ⁴	1990 ⁴	1989 ⁴	1990 ⁴	1989 ⁴	1990 ⁴
	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.....	352,483	240,000	54,300	48,700	110,048	101,075	235,673	267,468	118,024	111,023
AK.....	7,485	7,064	8,000	8,100	558	530	2,977	738	4,555	4,287
AZ.....	117,725	153,136	167,900	200,500	61,847	51,699	183,230	105,160	135,876	127,883
AR.....	434,172	523,200	270,800	294,100	287,413	268,757	445,691	492,811	199,993	188,095
CA.....	2,921,698	2,824,664	2,178,000	2,577,200	241,343	228,243	824,593	964,382	1,343,597	1,264,514
CO.....	748,880	742,132	220,400	213,400	118,416	103,556	182,258	196,924	374,276	352,238
CT.....	47,727	52,163	900	300	14,293	14,234	23,743	22,575	16,705	15,723
DE.....	72,000	92,400	1,200	1,000	14,460	12,402	40,678	38,293	22,786	21,438
FL.....	822,599	757,580	787,000	875,200	115,593	109,029	681,157	705,126	334,429	314,731
GA.....	683,718	629,760	149,600	150,800	192,454	168,609	513,257	573,548	168,242	158,228
HI.....	125,822	112,721	31,500	31,300	30,491	30,502	28,731	47,654	9,776	9,201
ID.....	540,663	510,287	167,100	166,300	247,215	228,192	30,180	35,537	333,165	313,436
IL.....	1,510,594	1,243,200	453,100	456,700	318,916	302,870	1,340,119	1,400,876	887,351	835,002
IN.....	1,004,761	793,500	292,700	281,300	281,921	247,312	794,427	817,020	795,261	748,300
IA.....	1,526,711	1,300,880	556,700	571,300	433,004	412,921	1,209,727	1,288,280	2,016,209	1,897,023
KS.....	1,053,434	1,056,008	293,800	205,800	268,930	253,543	606,471	640,592	426,865	401,689
KY.....	398,021	409,400	147,000	125,800	291,064	273,175	653,543	656,191	294,878	277,579
LA.....	352,483	240,000	154,700	168,900	149,519	134,072	168,886	174,032	98,999	93,038
ME.....	39,773	43,293	0	0	63,014	56,166	7,736	6,434	17,168	16,160
MD.....	294,000	307,700	12,500	11,300	44,948	39,792	155,765	106,649	125,879	118,457
MA.....	31,813	51,990	23,700	22,200	24,905	25,387	14,746	8,035	17,373	16,915
MI.....	796,745	723,813	40,100	38,100	193,282	179,733	222,535	219,408	400,065	376,342
MN.....	1,501,864	1,057,339	217,500	226,100	312,219	282,876	698,163	767,602	1,091,657	1,027,010
MS.....	469,977	329,000	224,200	312,200	285,024	263,196	316,070	350,515	161,336	151,777
MO.....	666,009	638,600	229,600	220,400	387,758	361,983	938,387	1,008,643	622,616	595,860
MT.....	610,060	575,762	211,500	204,100	194,729	196,781	121,068	149,811	560,067	527,100
NE.....	928,001	774,992	398,100	365,700	371,432	349,462	658,270	712,960	639,490	601,685
NV.....	81,882	72,937	45,000	39,500	20,957	19,155	2,628	3,533	53,735	50,574
NH.....	15,909	15,916	600	600	8,377	8,586	3,034	3,388	9,047	8,515
NJ.....	127,273	144,864	700	500	24,650	25,613	31,444	27,256	74,228	69,855
NM.....	206,775	207,478	70,300	70,800	69,049	65,883	122,788	117,517	142,565	134,175
NY.....	461,364	435,997	11,100	9,600	176,554	168,134	220,182	124,791	247,477	232,786
NC.....	748,599	689,520	89,300	90,200	269,102	241,195	329,418	332,936	172,045	161,911
ND.....	784,794	808,134	36,100	36,300	336,221	319,892	265,052	287,939	305,503	287,442
OH.....	703,818	678,500	142,000	137,900	195,025	179,593	627,312	621,624	493,311	407,691
OK.....	785,186	654,353	112,400	169,000	343,361	323,251	359,906	359,590	359,214	338,033
OR.....	565,383	533,597	498,800	477,700	130,230	117,620	90,187	86,143	566,561	533,224
PA.....	490,000	508,100	14,400	12,300	143,555	136,376	466,821	473,738	243,456	229,118
RI.....	7,955	8,453	0	0	3,333	3,308	3,753	2,360	1,696	1,596
SC.....	350,718	323,040	14,200	16,700	97,482	88,193	95,427	74,871	59,581	56,069
SD.....	449,033	498,209	53,100	51,100	390,489	368,746	166,482	184,988	366,612	344,859
TN.....	320,359	418,600	45,300	41,400	260,580	238,595	407,795	402,671	165,919	156,062
TX.....	1,852,533	2,040,584	562,700	575,900	388,174	367,414	981,584	899,273	1,047,583	985,916
UT.....	169,160	145,875	12,100	11,600	62,819	60,412	96,167	38,947	143,309	134,876
VT.....	63,636	66,818	0	0	50,694	47,947	48,927	50,134	32,552	30,632
VA.....	644,000	688,100	75,900	94,600	101,175	95,017	246,113	239,089	156,536	147,273
WA.....	544,291	513,691	331,800	338,100	168,631	158,437	187,523	194,294	388,390	365,538
WV.....	81,000	85,100	107,700	90,100	50,581	48,536	63,508	58,380	25,387	23,891
WI.....	900,322	964,777	69,700	63,500	315,069	279,093	802,362	848,126	671,227	630,933
WY.....	89,807	193,748	82,800	83,100	49,930	46,035	27,685	32,859	128,308	120,749
US.....	28,501,000	26,885,056	9,597,900	10,186,300	8,719,822	8,092,986	16,646,179	17,227,171	17,011,577	16,006,506

¹ Includes operator households. ² Includes mortgages in process of foreclosure. ³ Includes U.S. legal reserve companies only. Includes regular mortgages and purchase-money mortgages. ⁴ Revised. ⁵ 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. ⁶ Estimated by ERS, USDA; includes CCC storage and drying facility loans. ⁷ Includes District of Columbia.

Table 585.—All operating banks: Amount of agricultural loans outstanding, by type, and by States, specified dates, 1987-90¹

State and Territory	Farm real estate loans				Nonreal estate farm loans			
	1987	1988	1989	1990 ²	1987	1988	1989	1990 ²
	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31
AL.....	187,141	197,039	235,673	267,468	178,530	191,553	210,972	232,681
AK.....	1,864	2,354	2,977	738	7,521	8,475	7,042	3,800
AZ.....	136,460	163,479	183,230	105,160	571,518	501,093	493,357	445,212
AR.....	376,676	390,115	445,691	492,811	392,763	413,559	496,031	552,175
CA.....	667,170	689,810	824,593	964,382	2,474,899	2,679,577	2,636,185	2,977,913
CO.....	134,574	155,570	182,258	196,924	701,404	704,601	741,913	711,509
CT.....	12,932	11,347	23,743	22,575	23,047	32,671	30,224	25,029
DE.....	32,875	44,680	40,678	38,293	28,813	24,802	25,611	63,512
FL.....	489,799	578,720	681,157	705,126	313,515	325,010	255,725	299,010
GA.....	405,253	499,149	513,257	578,548	262,918	291,932	310,919	324,993
HI.....	32,021	32,901	28,781	47,654	22,728	19,445	30,489	41,813
ID.....	27,669	32,807	30,180	35,537	543,255	567,043	595,272	712,130
IL.....	1,135,047	1,259,198	1,340,119	1,400,876	1,728,556	1,922,276	1,970,646	2,067,403
IN.....	744,709	771,839	794,427	817,020	836,149	897,722	931,391	953,691
IA.....	984,116	1,106,223	1,209,727	1,288,230	2,297,362	2,518,296	2,740,156	3,009,979
KS.....	505,126	569,192	606,471	640,592	1,885,390	1,886,478	1,985,730	2,124,046
KY.....	623,055	640,894	653,543	656,191	379,370	387,009	397,827	426,231
LA.....	186,638	153,239	168,886	174,032	227,297	219,065	254,653	265,682
ME.....	5,430	5,526	7,736	6,434	28,577	47,515	31,157	25,031
MD ³	76,996	86,850	153,765	106,649	67,956	52,432	46,329	45,025
MA.....	10,767	5,906	14,746	8,035	66,695	51,735	51,144	75,561
MI.....	231,012	226,015	222,535	219,408	440,639	420,082	391,653	375,420
MN.....	525,544	622,439	698,163	767,602	1,474,197	1,530,270	1,636,965	1,756,801
MO.....	320,333	291,058	316,070	350,515	288,541	275,627	338,170	344,005
MS.....	802,532	883,901	938,387	1,008,643	958,642	983,807	1,037,492	1,076,446
MT.....	90,602	106,500	121,068	149,811	525,384	468,278	514,928	502,896
NE.....	533,382	596,202	658,270	712,960	2,001,378	2,138,848	2,265,538	2,509,717
NV.....	2,898	1,744	2,628	3,533	19,014	17,551	17,048	18,447
NH.....	3,394	2,762	3,034	3,388	1,705	1,104	833	836
NJ.....	25,095	25,226	31,444	27,256	21,330	17,014	13,444	15,971
NM.....	116,847	121,669	122,788	117,617	168,917	181,736	190,922	204,096
NY.....	133,534	111,123	220,182	124,791	588,903	427,666	401,903	438,916
NC.....	244,649	284,678	329,418	332,936	265,762	248,552	255,373	273,573
ND.....	208,816	228,970	265,052	287,939	764,630	735,188	776,390	783,662
OH.....	593,162	628,917	627,312	621,624	499,385	544,517	540,664	543,930
OK.....	330,421	352,562	359,906	359,950	1,127,267	1,132,420	1,211,205	1,262,724
OR.....	43,562	60,624	90,187	86,143	334,038	361,151	342,520	426,576
PA.....	445,075	454,318	466,821	473,788	288,263	309,413	284,679	261,596
RI.....	3,307	4,141	3,753	2,360	2,060	1,230	1,589	618
SC.....	53,698	54,173	59,427	74,871	63,628	66,071	67,035	80,849
SD.....	131,939	148,384	166,482	184,388	933,987	940,242	1,002,488	1,113,233
TN.....	397,005	389,907	407,795	402,871	241,878	246,750	227,093	243,968
TX.....	1,112,832	1,053,531	981,584	899,273	2,680,194	2,645,669	2,547,000	2,589,357
UT.....	29,342	31,762	36,167	38,947	94,703	114,413	124,247	141,053
VT.....	44,790	49,560	48,927	50,134	28,480	28,964	33,247	39,378
VA.....	225,616	253,263	246,113	239,089	193,927	193,310	190,903	189,807
WA.....	184,641	175,686	187,523	194,294	832,354	843,447	956,296	1,079,782
WV.....	60,362	69,188	63,508	58,380	26,372	24,129	21,026	25,374
WI.....	758,415	766,907	802,362	848,126	914,618	937,524	933,836	1,004,836
WY.....	26,039	24,652	27,685	32,859	222,380	211,393	215,130	227,065
US.....	14,455,162	15,416,700	16,646,179	17,227,171	29,040,839	29,798,655	30,782,396	32,913,158

¹ 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. ² Preliminary. ³ Includes District of Columbia.

Economic Research Service. Data from Federal Deposit Insurance Corporation.

Table 586.—Farm real estate debt: Average interest rates on loans outstanding, by farming regions,¹ Dec. 31, 1976-90²

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern 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
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	9.2	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	8.4	9.0	8.9	9.0	8.8	9.7	9.0	8.9	8.9	9.2	9.0
1988	9.1	9.2	9.3	9.2	9.1	9.2	9.3	9.4	9.1	9.3	9.2
1989	9.5	9.5	9.5	9.4	9.6	9.8	9.5	9.6	9.3	9.6	9.5
1990 ³	8.8	9.3	9.2	8.9	9.0	9.3	9.0	9.1	8.9	8.7	9.1

¹ Includes operator households. For States included in regions, see footnote 1, table 587. ² Contract rates. Excludes Alaska and Hawaii. ³ Preliminary. Economic Research Service.

Table 587.—Farm real estate debt: Interest charges on debt outstanding, by farming regions,¹ 1976-90²

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
1976	200,174	357,745	858,137	391,688	297,482	307,056
1977	215,741	423,396	1,019,455	469,839	326,079	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	489,187	1,178,545	2,620,758	1,219,294	802,759	750,599
1985	409,346	1,098,373	2,898,655	1,118,558	680,025	728,177
1986	373,178	991,447	2,086,736	1,013,109	623,381	669,112
1987	345,042	888,394	1,876,072	911,247	570,831	591,939
1988	363,697	833,064	1,812,211	857,668	576,292	570,801
1989	383,133	803,475	1,779,135	837,967	595,261	586,812
1990 ³	353,227	740,757	1,640,258	772,557	548,796	541,007

Year	Delta States	Southern Plains	Mountain	Pacific	United States
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
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	855,368	903,558	1,243,235	10,268,899
1986	498,247	792,549	777,529	1,163,033	9,173,844
1987	429,491	732,238	744,844	1,093,636	8,209,120
1988	405,835	711,105	693,636	1,038,272	7,387,692
1989	389,108	669,309	663,002	1,049,245	7,781,976
1990 ³	358,734	617,617	611,249	967,343	7,174,527

¹ Includes operator households. For States included in regions, see footnote 1, table 587. ² Interest charges during calendar year. ³ Preliminary. Economic Research Service.

Table 588.—Farm real estate debt: Amount outstanding by lender, United States, Dec. 31, 1975-90

Year	Federal land banks ¹	Farmers Home Administration ²	Life insurance companies ³	All operating banks ⁴	Individuals and others ⁵	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>
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	143,582	55,411,913
1977.....	21,540,898	3,982,054	8,819,400	7,780,261	21,335,000	491,756	63,949,367
1978.....	24,816,128	4,121,000	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	9,549,631	12,717,600	9,317,100	32,320,000	887,935	113,721,549
1984.....	49,077,803	10,073,213	12,443,200	10,186,133	29,900,000	623,093	112,303,442
1985.....	44,583,842	10,426,971	11,836,400	11,384,920	27,200,000	307,068	105,739,201
1986.....	37,757,626	10,348,597	10,940,200	12,710,650	24,000,000	122,726	95,879,799
1987.....	32,637,687	10,083,239	9,995,800	14,455,162	20,600,000	45,713	87,717,601
1988.....	30,326,707	9,606,796	9,581,700	15,416,700	18,000,000	20,615	82,952,518
1989.....	28,501,000	8,719,834	9,597,900	16,646,179	17,000,000	11,575	80,476,491
1990 ⁶	26,885,056	8,092,986	10,186,300	17,227,171	16,000,000	6,506	78,398,018

¹ Includes operator households. ² Includes regular mortgages, purchase-money mortgages, and sales contracts. ³ 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. ⁴ Compiled by American Council of Life Insurance. ⁵ Includes all operating commercial, savings, and private banks. ⁶ Estimated by ERS. ⁷ Preliminary. Economic Research Service.

Table 589.—Nonreal estate farm debt: Amount outstanding, by lender, United States, Dec. 31, 1976-90¹

Year	Debt owed to reporting institutions (excluding CCC)					Debts owed to individuals and others	Total excluding CCC loans	Price-support loans made or guaranteed by CCC ³	Total including CCC loans
	All operating banks	Production credit association	Federal intermediate credit banks ²	Farmers Home Administration	Total				
	<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>	<i>Million dollars</i>
1976.....	23,283	12,249	368	1,877	37,777	9,989	47,766	936	48,702
1977.....	25,709	13,519	374	3,141	42,743	12,244	54,987	4,146	59,133
1978.....	28,273	14,967	509	5,780	49,529	14,297	63,826	4,646	68,472
1979.....	31,034	18,113	665	9,305	59,387	16,610	75,727	3,714	79,441
1980.....	31,564	19,729	910	11,397	63,500	17,721	81,221	3,896	85,057
1981.....	32,858	21,203	813	14,438	69,412	18,780	88,192	6,888	95,080
1982.....	36,128	20,507	871	14,746	72,252	19,530	91,783	15,204	106,987
1983.....	39,026	19,314	850	14,608	73,798	18,945	92,744	10,576	103,320
1984.....	39,599	17,934	875	15,613	74,021	18,000	92,021	8,428	100,449
1985.....	35,513	14,026	537	16,721	66,797	15,378	82,174	17,598	99,772
1986.....	31,240	10,460	275	16,392	58,367	12,391	70,758	19,190	89,948
1987.....	29,041	9,603	165	16,049	54,858	11,139	65,997	15,120	81,117
1988.....	29,799	9,131	n.a.	14,658	53,588	12,000	65,588	8,902	74,490
1989.....	30,782	9,885	n.a.	12,322	52,989	12,500	65,489	5,225	70,714
1990 ⁴	32,913	10,103	n.a.	10,652	53,669	13,000	66,669	4,179	70,848

¹ Includes operator households. ² Loans to and discounts for livestock loan companies and agricultural credit corporations; after 1987, included with Production Credit Association loans. ³ 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. ⁴ Preliminary. n.a. not available. Economic Research Service.

Table 590.—Interest rates: Selected series, United States, 1975-89 ¹

Year	Federal land banks		Production credit associations, average cost of loans ⁴	Federal intermediate credit banks		Banks for cooperatives		Prime commercial paper (4-6 months) ⁷	Federal Reserve Bank discount rates, New York ⁸
	Average rate on new loans ²	Bond rates ³		Discount rates ⁵	Bond rates ³	Rates on loans ⁶	Bond rates ³		
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1975	8.69	7.60	8.91	8.14	6.88	7.25-10.50	7.03	6.32	6.25
1976	8.66	7.51	8.24	7.36	6.40	7.25-8.75	6.14	5.34	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	13.42
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	12.40	11.68	9.4	9.00-10.75	10.5	8.01	7.69
1986	11.61	10.72	11.22	10.50	8.1	7.75-9.50	9.0	6.39	6.33
1987	11.10	10.50	10.20	10.25	8.6	8.00-9.75	9.5	6.85	5.66
1988	10.10	9.75	10.56	8.92	9.75	7.75-9.50	8.96	7.68	6.20
1989								8.80	6.93

¹ Includes operator households. ² Contract rates on loans through Federal land bank associations. In computing the average rates, each Farm Credit district is given equal weight. ³ Weighted average net cost to banks of bonds outstanding at end of year. ⁴ 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. ⁵ Annual interest income on loans, discounts, and notes receivable as a percentage of average balance of such items outstanding during the year. ⁶ Excludes rates on loans secured by CXC documents. ⁷ 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. ⁸ 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 591.—Farm Credit System: Loans and discounts outstanding, United States, Jan. 1, 1976-91 ¹

Year	Federal land banks	Production credit		Banks for cooperatives	Net total
		Production credit associations	Other financing institutions		
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1976	16,563,886	10,825,968	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
1989 ²	27,882,633	8,608,758		7,420,263	43,911,654
1990 ³				11,135,798	
1991 ³				11,642,866	

¹ Includes Puerto Rico. ² FLB data is pro forma data only. ³ FLB and PCA data are not available. Farm Credit Administration.

Table 592.—Production credit associations: Number of associations and loans outstanding on specified dates, 1988 and 1989, by Districts

District	Production credit associations Jan. 1, 1989	Loans outstanding ¹		
		1988		1989
		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.....	13	584,092	632,601	689,185
Baltimore.....	23	694,014	756,239	771,704
Columbia.....	1	682,769	765,647	668,991
Louisville.....	7	701,090	800,981	788,812
Jackson.....	2	345,852	381,982	331,099
St. Louis.....	4	457,972	505,484	494,865
St. Paul.....	23	1,613,398	1,633,400	1,496,431
Omaha.....	3	351,974	411,199	418,350
Wichita.....	16	431,848	407,939	451,303
Texas.....	23	742,947	685,646	685,158
Western.....	19	1,664,227	1,582,454	1,540,567
Spokane.....	8	294,250	319,954	272,293
Total.....	142	8,564,433	8,883,526	8,608,758

¹ Includes loans, notes, sales contracts and leases.
Farm Credit Administration.

Table 593.—Farmers' cooperatives: Types, numbers, and memberships, United States

Type	Year or date of data	Associations	Estimated memberships or participants
Marketing and farm supply, and related service: ¹			
Marketing.....	1990.....	2,519	1,882,136
Farm supply.....	1990.....	1,717	2,005,537
Related services ²	1990.....	427	231,667
Service:			
Federal land bank associations ³	Dec. 31, 1990.....	140	n.a.
Production credit associations ³	Dec. 31, 1990.....	102	n.a.
Rural credit unions ⁴	Dec. 31, 1990.....	781	3,382
Rural electric cooperatives ⁵	Dec. 31, 1990.....	⁶ 894	⁷ 10,912
Rural telephone cooperatives ⁵	Dec. 31, 1990.....	240	1,156
Production:			
Dairy herd improvement associations ⁸	Dec. 31, 1990.....	n.a.	33,043

¹ Agricultural Cooperative Service, U.S. Department of Agriculture. ² Includes trucking, storage, grinding, locker plant, and other services. ³ Farm Credit Administration. ⁴ Credit Union National Association, Inc. ⁵ Rural Electrification Administration, U.S. Department of Agriculture. ⁶ Includes associations that are REA repaid borrowers. ⁷ Includes only memberships of associations financed by REA. ⁸ Agriculture Research Service, U.S. Department of Agriculture. n.a. not available.

Agricultural Cooperative Service.

Table 594.—Farmers Home Administration: Loans made to individuals and organizations for housing purposes, and loans outstanding, United States and Territories, 1976-91 ¹

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>
1976.....	94,522	2,054,706	9,815,075	71	10,366	26,945
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	² 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	21,181,379	65	4,170	115,580
1984.....	46,011	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.....	24,804	1,052,524	22,666,367	51	10,376	³ 122,964
1987.....	27,670	1,244,699	22,008,584	46	11,375	³ 122,954
1988.....	30,170	1,347,109	18,558,816	54	12,438	135,792
1989.....	26,938	1,236,058	18,588,745	52	10,583	133,877
1990.....			18,669,914			136,192
1991.....			18,948,369			145,114

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>
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	² 1,369,615	19	4,039	² 4,481
1980.....	1,087	783,683	2,408,392	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	793,591	4,540,754	1	310	4,413
1984.....	1,132	937,433	5,234,310	1	213	3,279
1985.....	1,151	969,945	5,926,748	2	1,275	1,088
1986.....	657	561,395	³ 6,080,462	1	666	³ 1,045
1987.....	664	606,774	³ 6,080,462	3	654	³ 1,045
1988.....	567	558,503	7,922,513	0	0	995
1989.....	576	570,677	8,427,460	2	928	783
1990.....			9,030,781			1,364
1991.....			9,625,135			464

¹ 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.

² Latest data available as of September 30, 1978.

³ Latest data available as of March 31, 1985.

Farmers Home Administration.

Table 595.—Farmers Home Administration: Loans made to individuals and associations for farming purposes, and amount outstanding, United States and Territories, 1976-91 ¹

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>	
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	3,384	60,493	77,283	18	1,079	8,329	15,529	539,233	1,033,648	29,707	1,355,311	842,215
1978	10,469	629,639	3,300,445	2,934	53,159	130,084	27	1,677	9,709	23,105	851,109	1,077,517	36,003	2,931,853	2,066,970
1979	9,743	331,433	3,609,729	2,153	53,633	174,653	22	2,722	10,795	19,892	949,165	1,457,523	24,568	2,357,515	4,299,570
1980	9,303	330,622	4,220,375	2,333	55,720	213,373	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	2,053,160	5,535	2,038,617	9,981,308
1983	7,035	770,533	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	6,363	735,359	6,408,540	613	12,147	296,855	0	0	14,179	25,121	2,213,093	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	13,348	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	2,533	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	3,463	497,832	7,410,986	296	4,972	274,302	0	0	10,859	11,749	1,786,647	5,444,015	372	29,069	8,357,923
1989	2,585	369,681	7,150,033	304	6,199	255,300	0	0	10,234	10,300	1,679,272	5,021,322	2,163	79,655	8,060,959
1990			6,656,773			225,308			9,271			4,348,195			6,682,433
1991			6,297,382			200,757			8,274			3,885,020			5,695,658

See footnotes at end of table.

Table 595.—Farmers Home Administration: Loans made to individuals and associations for farming purposes, and amount outstanding, United States and Territories, 1976-91 ¹—Continued

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									
	Number	1,000 dol-lars	1,000 dol-lars	Number	1,000 dol-lars	1,000 dol-lars	Number	1,000 dol-lars	1,000 dol-lars	Number	1,000 dol-lars	1,000 dol-lars	Number	1,000 dol-lars	1,000 dol-lars	Number	1,000 dol-lars	1,000 dol-lars
1976.....	0	11,063	23,109	9	3,937	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	² 50,845	4	5,585	² 78,371	7	1,019	² 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			
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	(³)	(³)	4,243,944			
1986.....	1	1,404	83,360	0	0	58,155	0	0	17,479			484			4,002,724			
1987.....	0	0	85,516	0	0	56,660	0	0	16,986			272			3,720,910			
1988.....	0	2,000	88,854	0	0	54,714	0	0	16,278			429			3,581,693			
1989.....	1	461	85,867	0	0	52,833	0	0	14,837			284			3,237,134			
1990.....	0	120	85,059	0	0	47,559	0	0	13,669			137			2,665,810			
1991.....			80,473			42,462			13,394			78			2,271,532			

¹ 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. ² Latest data available as of September 30, 1978. ³ Discontinued.

Farmers Home Administration.

Table 596.—Farmers' marketing, farm supply, and related service cooperatives: Number, memberships, and business, United States, 1977/78-90

Year ¹	Cooperatives ²				Estimated memberships ⁴				Estimated service receipts ⁵
	Marketing	Farm supply	Related service ³	Total	Marketing	Farm supply	Related service ³	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>	<i>Million dollars</i>
1977/78 ⁶	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	⁷ 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	2,140	2,310	150	4,600	1,760
1987	3,054	1,941	114	5,109	2,022	2,282	132	4,440	1,891
1988	2,988	1,836	113	4,937	1,912	2,142	141	4,195	1,939
1989 ⁸	2,550	1,803	⁹ 446	4,799	1,856	2,035	243	4,134	1,974
1990 ¹⁰	2,519	1,717	427	4,663	1,882	2,006	232	4,119	2,347

Year ¹	Marketing volume		Farm supply volume		Total marketing and farm supply volume and service receipts	
	Estimated gross business ¹¹	Estimated net business ¹²	Estimated gross business ¹¹	Estimated net business ¹²	Estimated gross business ¹¹	Estimated net business ¹²
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1977/78 ⁶	45,072	35,306	18,605	11,052	64,625	47,305
1979	53,669	41,693	22,870	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
1987	50,315	44,156	22,536	14,271	74,742	60,318
1988	56,204	49,067	23,993	15,424	82,137	66,430
1989 ⁸	60,258	53,247	25,845	16,907	88,077	72,129
1990 ¹⁰	64,062	57,831	26,258	17,088	92,667	77,266

¹ 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. ² 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. ³ Includes cooperatives whose major activity is providing services related to marketing and farm supply activities. ⁴ 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.) ⁵ Receipts for services related to marketing and purchasing activities, but not included in the volumes reported for these activities. ⁶ Estimated. ⁷ Number of memberships was up significantly due to inclusion of additional related service cooperatives. ⁸ Revised. ⁹ Increased number due to a reclassification of cotton ginning cooperatives from marketing to related services. ¹⁰ Preliminary. ¹¹ 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. ¹² 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 597.—Farmers' cooperatives: Number of marketing, farm supply, and related service cooperatives and business volume, United States, 1989 and 1990 (preliminary)

Item	Cooperatives handling		Gross business		Net business ²	
	1989	1990 ³	1989	1990	1989	1990
	<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>
Products marketed:						
Beans and peas (dry edible).....	44		153,036	216,287	149,550	213,117
Cotton and cotton products.....	370		2,226,406	2,236,741	1,989,293	2,087,486
Dairy products.....	260		19,850,349	21,930,109	18,339,045	20,719,087
Fruits and vegetables.....	315		8,175,689	8,846,592	7,888,001	8,241,419
Grain, soybeans and soybean meal and oil	1,791		18,525,778	18,241,163	14,189,186	14,259,206
Livestock and livestock products.....	276		4,046,234	4,863,296	4,046,234	4,861,412
Nuts.....	26		834,878	802,761	834,878	800,771
Poultry products.....	24		1,408,606	1,323,729	1,193,926	1,130,432
Rice.....	51		764,845	734,228	764,845	733,141
Sugar products.....	46		1,913,013	2,176,841	1,776,806	2,124,426
Tobacco.....	27		610,880	596,951	610,880	596,951
Wool and mohair.....	142		58,195	35,067	33,425	19,785
Miscellaneous ⁴	71		1,689,826	2,058,590	1,431,130	2,043,413
Total farm products.....	⁵ 3,183		60,257,735	64,062,355	53,247,199	57,830,646
Supplies purchased:						
Farm chemicals.....	2,671		2,440,954	2,773,770	1,428,121	1,767,864
Feed.....	2,602		6,084,109	5,815,334	4,224,079	4,102,885
Fertilizer.....	2,703		5,634,752	5,638,603	3,337,232	3,230,371
Petroleum products.....	2,215		7,395,049	7,753,228	4,768,719	4,715,152
Seed.....	2,635		759,610	729,898	573,007	561,997
Other supplies ⁶	3,029		3,530,624	3,546,905	2,576,043	2,710,150
Total farm supplies.....	⁵ 3,531		25,845,098	26,257,738	16,907,201	17,088,418
Receipts for services:						
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous.....	⁵ 3,308		1,974,259	2,347,345	1,974,259	2,347,345
Total business.....	⁵ 4,799	4,663	88,077,092	92,667,438	72,128,659	77,266,410

¹ Revised. ² Represents value at the first level at which cooperatives transact business for farmers. ³ Data not available for 1990. ⁴ Includes coffee, fish, forest products, fur pelts, hay, hops, nursery stock, tung oil, and other farm products not separately classified. ⁵ 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. ⁶ Includes automotive supplies, building materials, chicks, containers, farm machinery and equipment, hardware, meats and groceries, and other supplies not separately classified. ⁷ 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 598.—Farmers' cooperatives: Number of cooperatives, memberships, and business volume of marketing, farm supply, and related service cooperatives, by States, 1989 and 1990 (preliminary)

State	Cooperatives headquartered in State		Cooperatives doing business in State ¹		Memberships in State, 1989 ⁴	Net business, ² 1989 ⁴
	1989	1990 ³	1989	1990 ³		
	Number	Number	Number	Number	Number	1,000 dollars
AL.....	73		83		65,972	872,345
AK.....						(⁵)
AZ.....	12		19		63,218	607,576
AR.....	91		106		74,702	1,308,145
CA.....	202		216		64,462	7,448,146
CO.....	64		78		37,838	763,305
CT.....	5		10		2,613	190,087
DE.....	3		7		15,152	94,965
FL.....	52		67		13,491	2,310,530
GA.....	16		28		46,019	925,523
HI.....	26		26		2,592	594,355
ID.....	52		65		35,587	819,261
IL.....	257		272		227,471	3,761,266
IN.....	75		97		164,755	1,826,843
IA.....	304		328		256,396	5,689,747
KS.....	214		229		184,256	2,169,716
KY.....	62		77		226,566	783,813
LA.....	62		78		15,901	587,167
ME.....	7		11		9,002	162,785
MD.....	18		27		61,209	501,759
MA.....	13		18		8,759	602,821
MI.....	87		106		84,994	1,763,425
MN.....	467		490		352,926	5,516,001
MS.....	116		132		72,334	811,118
MO.....	87		113		139,902	2,184,490
MT.....	101		111		41,050	367,533
NE.....	196		214		149,601	2,473,279
NV.....	1		4		(⁶)	(⁶)
NH.....	2		9		(⁶)	(⁶)
NJ.....	19		30		9,078	339,024
NM.....	12		18		18	53,834
NY.....	168		170		72,957	2,052,769
NC.....	29		45		124,598	790,042
ND.....	342		356		144,815	2,007,942
OH.....	117		130		129,119	2,299,400
OK.....	132		146		84,001	960,298
OR.....	46		57		34,536	1,215,406
PA.....	72		81		80,663	1,891,022
RI.....			3		(⁶)	(⁶)
SC.....	10		18		10,868	175,454
SD.....	200		214		131,756	1,327,254
TN.....	92		109		126,068	625,699
TX.....	325		340		121,020	2,441,506
UT.....	30		38		18,432	417,699
VT.....	9		15		6,125	431,640
VA.....	87		99		218,354	820,881
WA.....	106		121		45,748	2,033,793
WV.....	32		42		60,650	125,682
WI.....	287		313		278,877	5,737,465
WY.....	19		25		7,285	67,605
US.....	4,799	4,663				71,144,571
Foreign.....			12		⁶ 7,448	984,088
Total.....	4,799	4,663			4,138,542	72,128,659

¹ 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 1988 due to sampling methodology. ² Represents value at the first level at which cooperatives transact business for farmers. Totals may not add due to rounding.

³ Statistics for 1990 are presented on a national basis only. ⁴ Data for 1989 are shown where 1990 data are not available. ⁵ Dollar volume or membership is not shown to avoid disclosing operations of individual cooperatives.

⁶ 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 599.—Rural Electrification Administration: Long-term financing approved by purpose, by States and Territories, from organization (May 11, 1935) to Jan. 1, 1991 ¹

State and Territory	Borrowers	Total financing			Financing to cooperative associations ³		Financing by purpose			Miles of line provided for by financing ⁶	Consumers provided for by financing ⁶
		REA loans	Non-REA financing		Borrowers	Amount ^{2 4}	Distribution	Generation and transmission ^{2 4}	Consumer facilities ⁵		
			With REA guarantee	Without REA guarantee ²							
Number	1,000 dollars	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Miles	Numbers	
AL.....	27	431,057	393,701	145,428	24	956,205	374,107	594,721	1,359	54,929	439,603
AK.....	16	753,440	277,836	104,024	14	1,081,507	485,840	648,370	1,089	9,801	169,580
AZ.....	14	206,110	337,679	44,001	8	553,561	180,728	406,572	490	16,030	129,468
AR.....	21	696,578	877,929	198,727	20	1,772,711	621,528	1,147,234	4,471	62,306	393,277
CA.....	10	75,517	0	5,363	7	56,394	67,018	13,805	56	6,379	74,945
CO.....	24	908,310	1,387,100	462,222	24	2,757,632	673,441	2,084,117	74	61,898	324,727
CT.....	0	0	0	0	0	0	0	0	0	0	0
DE.....	1	56,030	0	18,666	1	74,696	73,832	861	3	4,161	47,939
FL.....	18	725,988	865,457	478,437	16	2,069,670	873,165	1,194,199	2,519	56,972	671,301
GA.....	48	1,114,222	4,871,249	1,627,361	46	7,612,568	1,442,893	6,166,980	2,959	124,729	1,179,887
HI.....	0	0	0	0	0	0	0	0	0	0	0
ID.....	10	128,132	0	23,056	10	151,188	128,487	21,504	1,197	11,483	48,025
IL.....	29	487,467	977,608	141,419	28	1,606,413	455,919	1,150,363	212	54,073	238,082
IN.....	48	381,449	1,926,888	424,192	47	2,732,099	338,565	2,393,247	717	51,261	365,833
IA.....	54	629,252	272,389	97,833	51	997,874	422,604	576,473	397	65,293	189,807
KS.....	37	491,668	689,344	90,176	36	1,271,182	429,384	841,389	415	70,574	192,599
KY.....	29	903,963	2,234,761	473,367	28	3,612,090	681,814	2,929,118	1,159	74,384	602,429
LA.....	20	558,591	3,077,621	225,430	18	3,853,145	562,758	3,298,707	177	46,199	408,861
ME.....	4	24,537	0	769	4	25,306	21,714	3,548	44	1,755	15,036
MD.....	2	174,945	0	94,766	2	269,711	193,078	76,633	0	11,725	124,417
MA.....	0	0	0	0	0	0	0	0	0	0	0
MI.....	14	340,237	818,896	52,676	14	1,211,809	274,501	936,834	473	30,739	219,231
MN.....	52	944,814	1,230,301	350,244	50	2,524,401	823,218	1,697,796	4,346	110,016	524,925
MS.....	29	593,393	713,709	184,643	27	1,489,045	624,595	866,455	694	76,997	568,353
MO.....	49	1,065,140	910,064	419,785	48	2,394,954	798,054	1,596,114	821	110,337	564,032
MT.....	26	298,397	8,648	33,935	26	340,980	276,878	63,873	229	44,023	107,858
NE.....	36	449,009	0	29,741	4	65,261	373,084	105,104	562	75,231	170,702
NV.....	8	71,627	1,689	6,471	3	66,727	57,964	21,575	248	6,004	18,546
NH.....	1	100,398	146,182	8,696	1	255,276	109,050	152,194	32	4,616	64,601
NJ.....	2	15,920	0	4,411	2	20,330	19,185	1,141	4	993	13,182
NM.....	18	314,747	387,682	140,232	17	842,527	270,188	569,464	3,010	38,882	159,884
NY.....	6	29,399	0	7,349	5	34,885	36,489	174	85	4,666	22,592
NC.....	35	650,278	1,509,875	363,618	30	2,522,876	737,046	1,782,089	4,635	71,963	668,800
ND.....	28	899,494	2,321,089	850,994	26	4,065,978	470,000	3,599,591	1,986	67,262	114,123
OH.....	29	358,899	72,110	418,474	28	843,240	353,604	495,660	218	40,231	267,443
OK.....	29	859,670	637,093	205,124	27	1,701,586	827,016	872,195	2,676	95,125	445,425
OR.....	18	241,192	54,128	58,988	17	342,962	251,218	102,853	237	21,939	115,094
PA.....	13	229,482	607,713	70,531	13	907,726	269,036	638,451	239	24,771	186,963
RI.....	0	0	0	0	0	0	0	0	0	0	0
SC.....	27	702,552	523,036	260,589	25	1,481,671	701,698	782,248	2,231	56,726	498,353
SD.....	34	457,273	13,628	29,304	34	500,205	366,215	133,109	881	63,474	126,904
TN.....	32	375,253	0	97,059	20	436,609	466,150	6,117	45	68,231	727,477
TX.....	101	2,085,582	1,147,139	488,992	99	3,663,977	2,073,869	1,645,320	2,524	251,685	1,314,125
UT.....	6	70,071	1,036,342	215,150	6	1,321,563	57,200	1,264,238	124	5,730	22,518
VT.....	3	52,469	50,726	5,918	3	109,112	39,259	68,950	903	2,818	21,456
VA.....	19	495,596	263,000	220,315	18	978,718	604,296	373,948	667	39,835	333,355
WA.....	23	190,976	0	32,226	11	161,827	213,049	9,901	252	20,128	96,024
WV.....	1	8,016	0	1,059	1	9,075	9,070	0	5	746	6,202
WI.....	30	461,333	260,679	104,903	29	826,824	288,776	536,300	1,809	41,772	189,899
WY.....	15	229,757	2,585	21,740	14	254,003	189,728	64,253	101	27,999	76,459
US.....	1,096	21,338,229	30,905,875	9,338,405	982	60,828,102	19,601,314	41,933,821	47,374	2,186,391	13,260,342
PR.....	1	266,157	0	16,499	0	0	243,102	39,554	0	15,993	528,062
VI.....	1	430	0	0	0	0	234	197	0	85	912
Total.....	1,098	21,604,816	30,905,875	9,354,904	982	60,828,102	19,844,650	41,973,572	47,374	2,202,469	13,789,316

¹ State total represents data for borrowers incorporated within the State. ² Includes loans obtained by REA borrowers' affiliates specifically organized to facilitate non-REA financing. ³ Totals for other types of borrowers are as follows: Public Power Districts, 54 borrowers, \$515,858,509; municipalities and other Government authorities, 36 borrowers, \$487,680,334; power companies, 26 borrowers, \$33,955,037. ⁴ Includes \$30,905,875 REA guarantee commitments made as of Jan. 1, 1991. ⁵ Funds loaned to corporate borrowers for relending to individuals. Includes wiring, plumbing, and refrigeration installations. ⁶ Includes miles energized and consumers served, shown in tables 600 and 601.

Table 600.—Rural Electrification Administration: Advances to, and operating statistics of, electric borrowers, 1990, by States and Territories ¹

State and Territory	Total advances as of Jan. 1, 1991 ^{2 3}	Statistics for borrowers in operation									
		As of Jan. 1, 1991			Calendar year 1990					Average monthly kw-hr. consumption per consumer	
		Borrowers	Miles energized ⁴	Consumers served ⁴	Kw-hr. generated	Kw-hr. purchased ⁵	Kw-hr. sales ⁶	Total revenue ⁶	All consumers	Residential consumers ⁷	
		<i>1,000 dollars</i>	<i>Number 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>	
AL.....	402,698	26	58,791	432,653	2,670,967	9,483,832	7,650,761	479,166	1,423	1,027	
AK.....	706,581	16	9,782	154,644	2,557,579	1,793,031	2,568,790	241,715	1,993	726	
AZ.....	199,636	14	17,230	131,021	2,459,278	3,667,272	3,762,978	239,935	2,019	556	
AR.....	644,247	21	61,740	324,654	6,943,009	8,208,646	5,529,265	371,232	1,439	896	
CA.....	72,964	9	5,366	30,411	0	333,857	309,701	24,111	1,305	774	
CO.....	884,954	24	62,281	303,585	10,362,829	9,462,757	11,239,363	542,008	1,534	771	
CT.....	0	0	0	0	0	0	0	0	0	0	
DE.....	47,948	1	3,984	44,629	0	520,988	488,362	40,879	926	840	
FL.....	673,548	18	55,540	596,970	8,005,140	8,040,410	9,355,494	689,606	1,142	915	
GA.....	1,055,699	46	123,313	1,045,002	13,387,572	20,895,848	19,003,857	1,581,326	1,239	1,011	
HI.....	0	0	0	0	0	0	0	0	0	0	
ID.....	119,229	10	11,687	45,259	0	1,187,677	1,193,885	58,328	2,240	998	
IL.....	454,052	29	53,923	215,376	1,828,816	4,717,375	3,146,275	307,308	1,266	922	
IN.....	365,374	45	52,099	360,478	5,800,806	5,809,792	7,980,370	489,386	1,312	1,020	
IA.....	612,957	54	64,553	176,631	2,683,553	4,105,225	3,756,400	254,217	1,437	1,191	
KS.....	482,721	36	69,821	174,654	2,292,644	4,552,101	3,787,473	287,966	1,484	763	
KY.....	878,070	28	74,593	521,894	15,438,747	18,172,111	17,348,231	802,603	2,478	1,003	
LA.....	523,307	17	44,268	315,219	8,827,495	5,093,473	8,421,642	531,291	1,317	1,055	
ME.....	23,329	4	1,847	14,388	-8	114,330	103,595	11,033	605	417	
MD.....	169,582	2	11,867	125,239	0	2,447,464	2,341,431	168,482	1,584	1,082	
MA.....	0	0	0	0	0	0	0	0	0	0	
MI.....	315,127	14	30,987	209,628	429,386	2,792,123	1,764,004	149,168	709	558	
MN.....	892,843	52	109,730	506,185	9,205,293	9,035,466	10,748,161	585,166	1,217	929	
MS.....	565,288	29	78,983	512,232	3,171,990	11,870,070	8,728,031	587,413	1,564	1,033	
MO.....	1,010,969	47	110,486	493,338	7,777,216	21,449,579	14,148,089	643,049	1,265	924	
MT.....	283,610	26	43,483	97,656	0	2,790,666	1,618,645	96,313	1,394	976	
NE.....	441,060	36	69,014	159,595	0	4,147,277	3,128,523	152,156	1,679	1,102	
NV.....	69,878	8	9,064	20,872	219	1,059,827	932,038	44,972	3,853	977	
NH.....	81,213	1	4,642	63,389	0	633,440	587,992	64,412	777	584	
NJ.....	13,400	2	982	12,370	0	107,036	100,932	12,009	867	746	
NM.....	306,594	18	39,436	141,677	1,504,193	3,636,552	2,807,646	199,051	1,598	467	
NY.....	27,850	5	4,224	19,861	0	149,778	136,047	10,965	853	789	
NC.....	616,153	33	72,821	597,837	3,751,825	15,891,887	11,013,341	868,080	1,145	932	
ND.....	877,142	27	66,617	102,113	17,532,628	5,994,561	14,242,334	453,529	2,252	1,221	
OH.....	343,451	29	40,331	276,740	4,790,041	5,201,272	4,580,263	293,989	1,446	1,027	
OK.....	829,453	29	94,027	344,106	3,751,249	5,938,254	5,814,385	408,019	1,295	923	
OR.....	231,737	18	22,384	111,066	0	2,863,921	2,653,270	130,175	2,045	1,175	
PA.....	214,786	13	25,111	174,199	1,388,262	2,423,004	1,733,246	186,758	817	700	
RI.....	0	0	0	0	0	0	0	0	0	0	
SC.....	623,977	23	54,159	443,769	1,257,189	14,283,141	7,892,941	541,988	1,348	1,090	
SD.....	433,374	34	62,679	108,309	0	3,369,316	1,816,047	131,946	1,396	1,062	
TN.....	338,378	32	69,762	691,065	0	14,868,949	13,957,715	832,813	1,725	1,200	
TX.....	1,981,750	82	250,712	1,057,371	5,495,908	21,355,697	14,010,366	947,336	1,284	920	
UT.....	70,071	6	5,692	22,491	3,118,595	1,654,870	3,373,318	141,688	4,766	342	
VT.....	50,819	3	2,834	21,036	58,888	257,698	199,365	18,336	723	628	
VA.....	433,753	15	39,995	309,851	1,533,645	10,144,166	5,578,942	393,017	1,503	998	
WA.....	184,093	23	20,148	92,768	29	3,503,536	3,350,878	86,313	4,500	1,379	
WV.....	7,082	1	734	4,782	0	41,057	37,274	3,205	650	615	
WI.....	448,243	30	42,199	181,781	3,885,308	3,030,815	3,058,051	188,859	1,064	925	
WY.....	224,444	15	27,757	69,721	8,839	2,723,179	2,499,371	140,454	3,111	918	
PR.....	266,157	1	16,066	533,601	4,361,915	0	3,651,795	401,460	0	0	
VI.....	430	1	97	853	0	0	0	0	0	0	
Total.....	20,500,021	1,053	2,197,841	12,382,969	156,280,995	279,893,926	252,151,483	15,813,229	1,461	961	

¹ State totals represent data for borrowers incorporated within the State. ² Actual funds advanced out of REA loans approved, as shown in table 604. ³ Cumulative. ⁴ Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Jan. 1, 1991, there were 112 such borrowers with 131,765 miles energized and 659,829 consumers served. ⁵ Includes 162,074,990 thousands of Kw-hr. sold by one REA borrower to another. ⁶ Excludes energy sales and revenues of power sold by one REA borrower to another. ⁷ Includes rural nonfarm and farm consumers.

Rural Electrification Administration.

Table 601.—Rural Electrification Administration: Advances to, and operating statistics of, electric borrowers, United States and Territories, 1976-91

Year	Total advances as of Jan. 1 ¹	Statistics for borrowers in operation							Average monthly kw.-hr. consumption per consumer	
		As of Jan. 1			During year				All consumers	Residential consumers ⁴
		Borrowers	Miles energized ²	Consumers served ²	Kw.-hr. generated	Kw.-hr. purchased ³	Kw.-hr. sales ³	Total revenue ³		
		1,000 dollars	Numbers	Miles	Number	1,000 kw.-hr.	1,000 kw.-hr.	1,000 kw.-hr.	1,000 dollars	Kw.-hr.
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	107,477,353	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	111,231,620	160,243,316	6,902,533	1,361	935
1981	13,518,686	1,050	1,978,758	9,523,552	77,221,104	111,516,120	167,687,587	8,294,511	1,337	901
1982	14,454,331	1,051	2,009,504	9,844,319	81,568,128	111,574,193	172,781,820	9,691,632	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	11,110,155	137,302,039	115,455,553	215,599,260	13,502,228	1,351	920
1987	17,806,064	1,057	2,122,550	11,357,105	150,331,669	107,963,444	223,965,317	13,901,489	1,358	925
1988	18,437,359	1,058	2,142,419	11,628,110	147,851,823	111,686,692	236,468,484	14,481,656	1,419	951
1989	19,007,355	1,057	2,150,389	11,797,981	154,164,812	109,322,913	239,666,253	15,091,916	1,427	952
1990	19,738,972	1,056	2,178,530	12,139,143	156,280,995	117,818,936	252,151,483	15,813,230	1,461	961
1991 ⁵	20,500,021	1,053	2,197,841	12,382,969	.....	.....	.....	.....	.....	.....

¹ Cumulative from organization, May 1, 1935. ² Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Jan. 1, 1991, there were 112 such borrowers with 131,765 miles energized and 659,829 consumers served. ³ Excludes energy sales and revenues of power sold by one REA borrower to another. Includes patronage capital. ⁴ Includes rural nonfarm and farm consumers. ⁵ Actual funds advanced out of REA loans approved, as shown in table 599.

Rural Electrification Administration.

Table 602.—Rural Electrification Administration: Annual revenues and expenses reported by electric borrowers, United States, 1976-90

Year	Operating revenue	Operating expense	Interest expense	Depreciation and amortization expense	Net margins ¹	Total utility plant
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
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	54,498,939
1987	20,500,204	16,060,730	2,668,876	1,408,996	747,826	55,454,335
1988	21,226,292	16,678,223	2,742,793	1,453,262	758,237	54,039,460
1989	22,334,246	17,660,877	2,676,869	1,568,342	763,670	57,288,116
1990	22,585,656	17,861,856	2,815,507	1,636,999	735,104	58,228,240

Rural Electrification Administration.

Table 603.—Farmers Home Administration: Loans made to organizations and associations for community projects, and loans outstanding, United States and Territories, 1976-91¹

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
1976.....	631	472,932	1,900,706	(²)	(²)	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			⁴ 84,649	3	4,818	⁴ 67,550
1980.....	874	764,248	3,620,983			82,069	9	11,947	69,891
1981.....	765	603,059	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	263,600	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.....	308	335,630	5,247,150			58,436	0	0	71,402
1989.....	317	312,845	4,070,266			53,978	0	0	74,116
1990.....			2,927,004			50,393			75,897
1991.....			3,189,505			46,433			73,324

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
1976.....	17	2,388	14,457	412	391,703	8,661	291	192,895	85,786			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	⁴ 12,942	1,275	1,104,011	⁴ 22,256	521	274,689	⁴ 463,623			⁴ 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.....	0	0	13,494	83	104,983	37,382	173	96,756	1,123,011			2,691
1989.....	0	0	12,357	73	78,883	21,571	197	86,603	1,018,217			2,480
1990.....			9,671			19,433			887,595			2,157
1991.....			8,664			18,592			960,088			1,480

¹ 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.

² Recreation association loans are made only to subsequent borrowers who received an initial loan in a prior year.

³ Funding for this program is no longer available. ⁴ Latest data available as of September 30, 1978.

⁵ Discontinued.

Farmers Home Administration.

Table 604.—Loans to farmers' cooperative organizations:¹ Outstanding amounts held by the banks for cooperatives, classified by type of loan, United States, Jan. 1, 1976-91²

Year	Operating capital loans	Facility loans	Year	Operating capital loans	Facility loans
	1,000 dollars	1,000 dollars		1,000 dollars	1,000 dollars
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
1981	5,215,863	4,289,665	1989	3,202,704	4,217,559
1982 ¹	4,195,537	4,927,878	1990	5,508,610	5,627,188
1983	3,086,662	5,115,004	1991	5,887,781	5,755,085

¹ Data for 1982 are net of unearned income. ² Includes Puerto Rico. Farm Credit Administration.

Table 605.—Rural Electrification Administration: Annual revenues, expenses, and total telephone plant reported by telephone borrowers, United States, 1976-90

Year	Borrowers reporting	Operating revenues	Operating expenses	Interest expense	Depreciation and amortization expense	Net income or margin ¹	Total telephone plant ²
	Number	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
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	5,073,993
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	9,531,733
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
1988	913	3,598,291	2,004,638	276,539	751,206	690,583	12,071,384
1989	903	3,888,083	2,181,215	281,563	795,408	787,357	12,814,112
1990	897	4,181,185	2,382,942	288,101	834,967	846,903	13,755,550

¹ Includes other income and deductions (net) unregulated and extraordinary and delayed items beginning 1984. ² Investment in physical plant and related facilities. Rural Electrification Administration.

Table 606.—Rural Electrification Administration and Rural Telephone Bank: Advances to, and operating statistics of, telephone borrowers, United States, 1976-91

Year	Total advances as of Jan. 1 ¹		Operating statistics as of Jan. 1			Revenues for year ending Dec. 31
	REA	RTB	Borrowers reporting	Employees	Total subscribers	
	1,000 dollars	1,000 dollars	Number	Number	Number	1,000 dollars
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	2,642,505
1984	3,819,768	1,339,880	949	28,867	4,628,778	2,910,194
1985	4,002,328	1,421,596	946	28,743	4,746,909	3,108,223
1986	4,133,786	1,488,332	942	28,297	4,792,145	3,180,792
1987	4,375,927	1,555,382	935	27,805	4,832,686	3,339,427
1988	4,541,547	1,627,263	920	27,975	5,004,558	3,598,291
1989	4,707,800	1,747,637	913	27,454	5,096,867	3,888,083
1990	4,864,684	1,835,519	903	27,617	5,276,450	4,181,185
1991 ²	5,083,536	1,940,799	896	28,199	5,472,216	.....

¹ Cumulative from organization, Oct. 28, 1949. ² Actual funds advanced out of loans approved, as shown in table 608. Rural Electrification Administration.

Table 607.—Rural Electrification Administration and Rural Telephone Bank: Advances to, and operating statistics of, telephone borrowers, as of Jan. 1, 1991 and revenues for 1989, by States and Territories ¹

State and Territory	Total advances as of Jan. 1, 1991 ^{2 3}		Operating statistics as of Jan. 1, 1991		Revenues for 12 months ending Dec. 31, 1990 ⁴
	REA	RTB	Borrowers reporting	Total subscribers	
	1,000 dollars	1,000 dollars	Number	Number	1,000 dollars
Alabama.....	141,060	74,197		141,322	107,008
Alaska.....	110,070	58,526	12	81,973	114,254
Arizona.....	39,744	64,934	5	126,405	143,084
Arkansas.....	94,375	47,048	17	203,729	149,714
California.....	80,891	44,254	13	56,867	92,106
Colorado.....	41,914	18,279	16	27,959	25,438
Connecticut.....					
Delaware.....					
Florida.....	39,106	33,537	6	96,929	81,049
Georgia.....	224,333	131,071	25	351,155	273,910
Hawaii.....					
Idaho.....	32,743	7,720	11	17,079	17,332
Illinois.....	69,808	20,929	23	83,403	55,745
Indiana.....	90,897	18,156	27	87,813	53,688
Iowa.....	126,858	36,873	76	156,126	108,975
Kansas.....	177,186	37,965	31	171,486	127,896
Kentucky.....	226,752	44,494	16	199,932	117,336
Louisiana.....	90,682	34,279	15	89,280	89,067
Maine.....	30,330	32,677	13	81,242	55,909
Maryland.....	2,061	3,424	1	4,494	3,052
Massachusetts.....	1,835	520	1	2,378	1,667
Michigan.....	91,520	42,772	27	141,974	93,544
Minnesota.....	247,300	81,487	64	285,923	193,855
Mississippi.....	88,054	11,363	14	58,165	45,357
Missouri.....	173,756	40,972	23	266,483	237,865
Montana.....	147,601	1,972	11	37,966	41,319
Nebraska.....	99,601	26,888	30	69,895	56,416
Nevada.....	7,006	7,250	3	5,138	5,219
New Hampshire.....	15,255	11,086	8	25,563	20,513
New Jersey.....	14,295	16,554	1	126,853	88,523
New Mexico.....	151,246		8	24,284	45,401
New York.....	38,841	42,356	27	125,285	79,342
North Carolina.....	187,437	98,828	19	335,412	212,321
North Dakota.....	170,973	13,918	13	62,527	45,526
Ohio.....	28,441	4,426	16	21,568	14,018
Oklahoma.....	189,912	93,659	28	136,505	120,108
Oregon.....	49,868	33,977	21	59,118	48,427
Pennsylvania.....	68,440	173,632	22	420,594	269,661
Rhode Island.....					
South Carolina.....	177,026	122,694	17	229,288	151,059
South Dakota.....	159,997	16,454	19	56,743	40,674
Tennessee.....	269,339	61,993	21	229,868	128,410
Texas.....	412,354	121,834	40	187,063	208,225
Utah.....	28,427	6,031	7	11,521	13,532
Vermont.....	4,785	6,930	5	12,644	10,002
Virginia.....	61,056	18,285	9	46,462	28,749
Washington.....	37,098	17,675	13	29,152	25,552
West Virginia.....	53,079	17,551	7	56,364	42,342
Wisconsin.....	237,655	128,320	82	328,425	190,992
Wyoming.....	11,749	5,692	5	9,862	12,880
Micronesia.....					
Guam.....	65,147	3,527	1	39,037	29,269
Marshall Isl.....	898		1	1,041	1,942
No. Mariana Isl.....	11,212	3,787	1	9,186	15,449
Puerto Rico.....	115,677				
Virgin Islands.....	47,736		1	40,735	52,463
United States.....	5,083,536	1,940,799	897	5,472,216	4,181,185

¹ Preliminary, except total advances. State totals represent data for borrowers incorporated within the State.
² Actual funds advanced out of loans approved, as shown in table 613. ³ Cumulative. ⁴ Reported 897 borrowers.

Rural Electrification Administration.

Table 608.—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, 1991 ¹

State	Total financing as of Jan. 1, 1991				Operating statistics for year 1990			
	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	174,798	98,856	11,901	39	720	720	
AK.....	12	137,718	81,123	34,013				
AZ.....	6	44,316	100,497	5,000	315	2,187	1,088	1,099
AR.....	19	131,843	47,680	35,744	1,792	16,659	2,899	13,760
CA.....	15	82,021	55,892	10,396	1	7		
CO.....	19	46,301	18,525					
CT.....								
DE.....								
FL.....	9	42,897	50,244	76,556				
GA.....	27	265,021	189,717	82,184	1,173	24,167	24,167	
HI.....								
ID.....	12	40,103	9,942		393	1,155	341	814
IL.....	26	75,738	26,218		80	296	296	
IN.....	36	98,573	25,296		12	129	129	
IA.....	86	138,298	54,504	5,371	1	12	12	
KS.....	31	206,767	40,704	11,434				
KY.....	17	243,435	56,711	26,400	138	1,010	1,010	
LA.....	21	173,336	60,135	13,651	573	28,416	1,723	26,693
ME.....	13	31,090	46,478	1,875	20	531	531	
MD.....	1	2,061	4,080					
MA.....	1	1,835	1,040					
MI.....	33	104,724	81,468	2,953	26	420	420	
MN.....	68	273,101	95,006	10,239	552	2,664	153	2,511
MS.....	16	95,656	16,120	5,200				
MO.....	26	213,403	45,717	47,203	44	465	465	
MT.....	12	168,920	1,972		8	143	143	
NE.....	33	112,184	40,185		39	672	672	
NV.....	4	7,603	7,250					
NH.....	8	20,308	14,718		95	1,512	1,512	
NJ.....	1	14,295	16,554	3,084				
NM.....	8	158,947						
NY.....	28	47,065	53,363	18,220	42	1,379	1,379	
NC.....	20	201,058	132,258	31,158	22	9,293	9,293	
ND.....	13	185,184	13,918			370	370	
OH.....	19	30,403	8,702		84	759	71	688
OK.....	29	221,114	109,413	2,744	127	1,118	1,118	
OR.....	27	54,860	40,150	15,301	9	158	158	
PA.....	28	77,005	244,512	43,247				
RI.....								
SC.....	19	198,475	193,503	7,885	30	334	334	
SD.....	19	180,647	16,454					
TN.....	21	319,815	72,509	14,358	591	7,293	7,293	
TX.....	59	487,165	168,057	76,131	257	1,035	798	237
UT.....	8	31,635	8,930					
VT.....	5	4,785	11,516		73	1,680	1,680	
VA.....	12	63,322	33,153		110	3,222	2,669	553
WA.....	19	38,739	20,870		28	492	492	
WV.....	7	66,496	17,896	5,250	47	849	849	
WI.....	87	253,240	146,765	23,700	53	590	590	
WY.....	5	13,937	5,692		205	128	128	
Microne- sia.....	1	41,000						
GM.....	1	106,298	19,610					
Marshall Isl.....	1	18,800						
No. Mari- ana Isl.....	1	11,212	46,833		487	10,583	10,583	
PR.....	2	115,677						
VI.....	1	66,214						
US.....	1,018	5,939,441	2,650,735	621,198	7,466	120,448	74,093	46,355

¹ 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 609.—Commodity Credit Corporation: Price support granted on 1988 crop, United States and Territories ¹

Commodity	Unit	Through Sept. 30, 1988	
		Quantity	Value
		<i>Millions</i>	<i>Million dollars</i>
Cotton, upland.....	Bale	8.2	225.0
Cotton, extra-long staple.....	.....do	0	0
Seed cotton, upland.....	Pound	0	0
Seed cotton, extra-long staple.....	.....do	0	0
Wheat	Bushel	308.8	843.9
Corn.....	.....do	3,821.5	7,220.4
Honey.....	Pound	92.7	54.8
Milk and butterfat:			
Butter	Pound	324.1	433.3
Cheese .....	.....do	321.4	391.9
Dried milk .....	.....do	394.2	299.4
Tobacco.....	.....do	8.8	18.9
Rice, rough.....	Cwt.....	11.3	75.0
Grain sorghum.....	Bushel	307.4	544.7
Peanuts, farmers' stock.....	Pound	24.5	4.1
Oats.....	Bushel .....	.9	.9
Barley.....	.....do	94.0	163.1
Beans, dry edible.....	Pound .....	.7	13.9
Rye.....	Bushel	6.0	8.9
Soybeans.....	.....do	³ 18.8	³ 89.6
Sugar:			
Beets.....	Pound	³ 278.7	³ 35.6
Cane.....	.....do	³ 21.0	³ 2.4
Special purchase programs ²		1,521.0	244.4
Total.....		6,927.0	10,415.0

¹ Consists of loans made and acquisitions under commodity loan and purchase programs. ² 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. ³ Denotes decrease or loss.

Agricultural Stabilization and Conservation Service.

Table 610.—Commodity Credit Corporation: Price-supported commodities owned as of Dec. 31, 1975-89 ¹ (Inventory quantity)

Year	Barley	Butter and butter oil	Cheese	Corn	Cotton	Dry beans	Flaxseed	Sorghum grain	Nonfat dry milk
	Million bushels	Million pounds	Million pounds	Million bushels	1,000 bales	Million cut.	Million bushels	Million bushels	Million pounds
1975.....	(³)	3	5	(³)	(²)				442
1976.....		21	5	(³)				(³)	453
1977.....	(³)	198	95	1				1	708
1978.....	1	207	35	77	(²)			37	658
1979.....	3	177	5	100	(³)			45	529
1980.....	4	331	244	254	(³)			44	707
1981.....	3	449	644	245	(³)			38	944
1982.....	5	503	945	429	(³)			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	1,328
1986.....	85	326	819	1,265	874			398	995
1987.....	84	230	474	1,843	(²)			538	455
1988.....	38	234	123	679	(²)			454	123
1989.....	38	381	46	676	(²)			342	32

Year	Oats	Peanuts ⁴	Rice ⁵	Rye	Soybeans	Tung oil	Wheat	Value of all commodities owned ⁶
	Million bushels	Million pounds	Million cwt.	Million bushels	Million bushels	Million pounds	Million bushels	Million dollars
1975.....	36	365	(³)	(³)			(³)	402
1976.....	3	92	19.1				(³)	634
1977.....	(²)	(²)	18.6				34	1,104
1978.....	2		10.4	(²)	(²)		50	1,186
1979.....	3		8.1	(³)	(²)		50	1,237
1980.....	3		1.7	(³)	(²)		203	2,802
1981.....	2		(³)	(³)	(²)		191	3,779
1982.....	1		18	(³)	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	(²)	34	18	333		987	13,848
1987.....	3		8	18	212		883	12,331
1988.....	2		(²)	(²)	1		305	4,856
1989.....	1		4	5	1		161	4,018

¹ 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. ² Less than 50,000 units. ³ Less than 500,000 units. ⁴ Farmers' stock basis; includes farmers' stock equivalent of shelled peanuts. ⁵ Rough basis; includes milled rice in rough equivalent. ⁶ 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.

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Table 611.—Commodity Credit Corporation: Loans made, United States and Territories, by crop years, 1984-89 ¹

Commodity	Unit	1984		1985		1986	
		Quantity pledged	Face amount	Quantity pledged ²	Face amount ²	Quantity pledged	Face amount
			<i>1,000 dollars</i>		<i>1,000 dollars</i>		<i>1,000 dollars</i>
Barley.....	1,000 bushels ...	27,985	55,099	79,768	157,052	67,896	96,710
Corn.....	1,000 bushels ...	2,290	6,270	56,868	156,478	59,188	114,611
Cotton.....	1,000 bales.....					202	54,814
Seed cotton.....	1,000 pounds.....						
Dry beans.....	1,000 cwt.....						
Flaxseed.....	1,000 bushels.....						
Honey.....	1,000 pounds.....	42,299	27,436	37,129	23,513	66,789	40,510
Naval stores: Rosin.....	1,000 pounds.....						
Oats.....	1,000 bushels.....	2,060	2,611	2,301	2,868	4,139	3,791
Peanuts.....	1,000 tons.....	92,722	9,495	176,080	21,206	8,619	758
Rice.....	1,000 cwt.....	3,166	27,099	5,980	52,777	28,179	202,790
Rye.....	1,000 bushels.....	6,662	14,069	2,835	6,000	3,249	4,928
Sorghum grain.....	1,000 bushels.....	8,952	22,969	59,315	154,520	43,809	82,323
Soybeans.....	1,000 bushels.....		1,057		5,369		314
Storage facility and equipment.....		79	652,183	84	558,827	111	506,824
Tobacco.....	1,000 pounds.....	79,744	141,095	76,077	189,143	4,912	13,959
Wheat.....	1,000 bushels.....	175,455	579,085	567,682	1,907,458	274,603	640,427

Commodity	Unit	1987		1988		1989	
		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 ...	57,138	77,976	13,848	19,222	12,962	16,088
Corn.....	1,000 bushels ...	290,323	563,745	18,757	35,688	11,335	20,889
Cotton.....	1,000 bales.....	25	6,558	372	94,829	25	6,026
Seed cotton.....	1,000 pounds.....	1,051	562				
Dry beans.....	1,000 cwt.....						
Flaxseed.....	1,000 bushels.....						
Honey.....	1,000 pounds.....	46,594	29,141	94,516	55,860	65,043	36,491
Naval stores: Rosin.....	1,000 pounds.....						
Oats.....	1,000 bushels.....	1,419	1,282	625	560	1,109	908
Peanuts.....	1,000 tons.....	19,343	2,700	24,511	4,092	117,921	20,815
Rice.....	1,000 ctw.....	21,474	151,429	21,422	143,726	10,539	70,823
Rye.....	1,000 bushels.....	4,472	6,407	230	326	488	652
Sorghum grain.....	1,000 bushels.....	77,596	146,003	5,144	9,203	1,822	2,969
Soybeans.....	1,000 bushels.....	4,384	20,808	1,300	6,108	292	1,299
Storage facility and equipment.....		12	236,007	76	525,360	147	826,960
Tobacco.....	1,000 pounds.....	12,651	25,346	8,761	18,885	18	3,907
Wheat.....	1,000 bushels.....	259,604	582,180	86,780	190,661	69,722	142,902

¹ Includes loans made directly by Commodity Credit Corporation. ² Loans through Sept. 30, 1984.
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Table 612.—Commodity Credit Corporation: Loan transactions for fiscal year 1989, by commodities ¹

Commodity	Unit	Loans outstanding Oct. 1, 1988 ²	New loans made	Repayments	Collateral acquired in settlement	Loans written off ³	Loans outstanding Sept. 30, 1989	
							Value ²	Quantity collateral remaining pledged
		<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 units</i>
Basic commodities:								
Corn.....	Bushel.....	3,803	1,260	2,461	674	8	1,921	816
Cotton.....	Bale.....	569	2,735	2,667	34	6	594	2
Seed cotton.....	Pound.....		12	12				
Peanuts.....	Ton.....	3	154	137		6	13	97
Rice.....	Cwt.....	127	1,064	1,105	2	6	78	12
Tobacco.....	Pound.....	1,616	41	414		6	1,236	462
Wheat.....	Bushel.....	1,608	187	748	181	2	865	271
Total.....		7,726	5,453	7,544	891	34	4,707	1,660
Designated nonbasic commodities:								
Barley.....	Bushel.....	175	27	120	41		40	26
Sorghum.....	do.....	243	64	141	88		78	36
Honey.....	Pound.....	72	177	106	32	1	34	60
Oats.....	Bushel.....	2	1	2			1	1
Rye.....	do.....	2	1	1			1	
Sugar, beet.....	Pound.....	41	2,647	591			16	88
Sugar, cane.....	do.....		1,643	287			1	
Total.....		535	4,560	1,248	161	1	171	211
Other nonbasic commodities:								
Soybeans.....	Bushel.....	69	120	592	3	10	31	7
Total.....		69	120	592	3	10	31	7
Other loans:								
Storage facility and equipment.....		25	2	8			13	
Total.....		25	2	8			13	
Grand total.....		8,355	10,135	9,392	1,055	45	4,922	1,878

¹ Loans made directly by Commodity Credit Corporation. ² Book value of outstanding loans; includes face amounts and any charges paid. ³ Includes transfers to accounts receivable.

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Table 613.—Commodity Credit Corporation: Selected inventory transactions, programs and commodity, fiscal year 1989

Program and commodity	Unit	Quantity					Value				
		Inventory Oct. 1, 1988	Pur- chases	Collateral acquired from loans	Sales ¹	Inventory Sept. 30, 1989	Inventory Oct. 1, 1988	Purchases	Collateral acquired from loans	Sales proceeds	Inventory Sept. 30, 1989
Feed grains:		<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.....	41,889	40,281	17,850	63,099	38,254	84,829	82,068	38,713	103,161	80,743
Corn .....	.....do.....	851,496	320,090	248,538	914,414	491,901	2,196,542	792,424	626,023	1,898,111	1,253,444
Corn products.....	Pound.....		219,909		219,909			21,313		13,146	
Grain sorghum.....	Bushel.....	489,824	25,008	35,906	190,198	358,964	1,267,864	57,247	86,661	352,895	936,346
Sorghum grits.....	Pound.....		24,239		24,239			2,399		2,448	
Oats	Bushel.....	2,488	168	133	1,516	1,271	3,461	204	162	1,432	2,015
Oats, rolled	Pound.....		5,996		5,996			1,185		1,209	
Rye	Bushel.....	15,276	151	202	9,601	6,023	33,439	255	364	16,470	13,131
Total feed grains.....		1,400,973	635,842	302,629	1,428,972	896,413	3,586,135	957,095	751,923	2,328,372	2,285,679
Wheat	Bushel.....	314,357	37,605	47,823	214,758	180,270	1,208,129	127,895	166,369	577,274	697,447
Wheat flour	Pound.....		539,196		539,196			60,094		28,499	
Wheat products, other.....	.....do.....		635,131		635,131			65,265		61,937	
Rice, milled.....	Cwt.....	5	5,731		6,503		83	72,464		77,658	
Rice, rough.....	Cwt.....	2,728	90	383	(3,147)	3,969	15,675	637	2,201	1,481	27,608
Rice, brown.....	Cwt.....	42	242		284		8	39			
Cotton, extra long staple.....	Bale.....								51	64	
Upland.....	.....do.....	8	139	131	155	124	1,622	37,158	35,639	47,508	33,733
Dairy products:											
Butter.....	Pound.....	243,228	428,689		216,812	407,565	361,077	570,272		40,184	564,826
Cheese.....	.....do.....	154,089	33,459		146,102	48,858	221,224	40,801		29,151	65,567
Milk, dried.....	.....do.....	169,422	52		119,533	32,046	145,034	62		33,851	28,036
Milkfat, anhydrous.....	.....do.....										
Total dairy products.....		566,739	462,200		482,447	488,469	727,335	611,135		103,186	658,429

See footnotes at end of table.

Oils and oilseeds:											
Peanuts, farmers' stock.....	Pound.....										
Peanut products.....	do.....		5,557		2,707						
Peanut butter.....	do.....		11,927		5,557			4,749			
Peanut oil, crude.....	do.....							9,283			
Peanut oil, refined.....	do.....										
Soya flour.....	do.....										
Soybeans.....	Bushel.....	2,914			2,268	627	14,674	733	50,927	3,139	
Totals oils and oilseeds.....		2,914	17,484		10,532	627	14,674	14,765	50,927	3,139	
Blended foods.....	Pound.....		530,212		547,420			76,217		78,580	
Grains and seeds:											
Feed for Government facilities.....	Cwt.....										
Foundation seeds.....	Pound.....										
Total grains and seeds.....			530,212		547,420			76,217		78,580	
Peas, dry whole.....	Pound.....		77,076		77,076			13,268		13,534	
Honey.....	do.....	38,888		56,547	37,763	56,870	27,417		34,903	40,986	
Denatured alcohol.....	Gallon.....										
Sugar, cane and beet.....	Pound.....										
Vegetable oil products.....	do.....		402,827		402,827			144,236		128,871	
Total inventory operations.....		2,326,654	3,343,775	407,513	4,379,917	1,626,742	5,581,078	2,180,268	991,086	3,497,891	3,747,021

¹ Sales do not reflect commodity donations. () Negative.
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Table 614.—Commodity Credit Corporation: Cost value of export and domestic commodity dispositions, by type of disposition, fiscal year 1989 ¹

Commodity	Export		Domestic				Total domestic	Total export and domestic
	Public law 480 Title II	Total export	Dollar sales	Transfers to other Government agencies	Donations ¹	Inventory adjustments and other recoveries (domestic)		
	<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>
Feed grains:								
Barley.....			268,417		2,038	39	270,494	270,494
Corn.....	14,865	14,865	10,399,963		1,272	3,788	10,405,023	10,419,888
Corn products.....	6,994	6,994			5,969		5,969	12,963
Grain sorghum.....	4,469	4,469	902,621			78	902,699	907,168
Sorghum grits.....	2,229	2,229						2,229
Oats.....			1,892					1,892
Oats, rolled.....	2,283	2,283			912		912	3,195
Wheat.....	113,899	113,899	2,925,708		228	1,554	2,927,490	3,041,389
Wheat flour.....	18,647	18,647			28,006	1	28,007	46,654
Wheat products, other.....	21,811	21,811			4,011	5	4,016	25,827
Rice, milled.....	23,856	23,856			25,617		25,617	49,473
Rice, rough.....			(11,939)	86		56	(11,797)	(11,797)
Rice, brown and textured soy blend.....					43		43	43
Cotton, extra long staple and upland.....			146,036			14,225	160,261	160,261
Rye.....			16,646				16,646	16,646
Dairy products:								
Butter.....	2,304	4,212	227		305,796	333	306,356	310,568
Cheese.....	3,231	6,076	6,833		785,825	339	792,997	799,073
Milkfat, anhydrous.....								
Milk, dried.....	191,225	196,014	10,426		122,433	952	133,811	329,825
Oils and oilseeds:								
Peanut products.....					4,709		4,709	4,709
Peanut butter.....					7,292		7,292	7,292
Peanuts, farmer's stock.....								
Soya flour.....								
Soybeans.....			1,151,880			(716)	1,151,164	1,151,164

See footnotes at end of table.

Blended foods.....	63,671	63,671				29	29	63,700
Grains and seeds:								
Feed for Government facilities				201			201	201
Foundation seeds			169				169	169
Peas, dry whole.....	2,118	2,118						2,118
Honey.....			958		62,007	76	63,041	63,041
Sugar, cane and beet.....			(24,575)				(24,575)	(24,575)
Vegetable oil products.....	65,385	65,385			14,213	1	14,214	79,599
Total ²	536,987	482,858	15,795,262	287	1,370,371	20,760	17,186,680	17,669,538

¹ Includes donations under Sections 202, 407, 416, Section 210, P.L. 85-540 and miscellaneous donations under various other authorizations. ² Totals may not add due to rounding.
 () Negative.
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Table 615.—Commodity Credit Corporation: Commodities outstanding under price-support loan as of Dec. 31, 1975-89 ¹ (Loans quantity)

Year ²	Barley	Corn	Cotton ³	Dry beans	Flaxseed	Sorghum grain	Oats
	<i>Million bushels</i>	<i>Million bushels</i>	<i>1,000 bales</i>	<i>Million cut.</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
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				221	6
1985	236	2,811	5			392	7
1986	275	4,905	5			421	12
1987	245	4,436	2			338	7
1988	78	982	6			111	2
1989	21	1,110	4			38	1

Year ²	Peanuts	Rice	Rye	Soybeans	Tobacco	Wheat	Value of all loans outstanding ⁶
	<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>
1975	1,135	8.9	0.1	(*)	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
1988	538	88.1	(*)	84	615	462	10,977
1989	27,777	72.5	(*)	155	44,366	240	6,869

¹ 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. ² Not necessarily from the crop of the year shown; may include quantities under resale from crop of previous years. ³ Includes extra-long staple. ⁴ Less than 500,000 units. ⁵ Value of all commodities outstanding under loan, including those not shown.

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Table 616.—Commodity Credit Corporation: Investment in price-support operations, by quarters, 1975-89

Date	Inventory after revaluation	Loans held CCC	Total loans outstanding	Total investment
	Million dollars	Million dollars	Million dollars	Million dollars
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.....	7,358.2	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.....	(²)	(²)	(²)	(²)
September.....	11,734.9	15,108.4	15,108.4	26,843.3
December.....	12,331.5	17,269.6	17,269.6	29,601.1
1988:				
March.....	10,499.5	16,463.1	16,463.1	26,962.7
June.....	8,174.5	12,185.4	12,185.4	20,359.9
1989:				
March.....	4,531.5	10,708.9	10,708.9	15,240.4
June.....	4,349.8	8,287.5	8,287.5	12,637.3

¹ Reflects total CCC loans and inventories. ² No data available.
Agricultural Stabilization and Conservation Service.

Table 617.—Agricultural Stabilization and Conservation programs: Payments received, by States, 1989

State	Payments	State	Payments	State	Payments
	<i>1,000 dollars</i>		<i>1,000 dollars</i>		<i>1,000 dollars</i>
AL.....	120,859	MD.....	23,735	RI.....	90
AK.....	1,143	MA.....	3,863	SC.....	72,697
AZ.....	85,108	MI.....	261,970	SD.....	338,611
AR.....	439,673	MN.....	599,852	TN.....	141,049
CA.....	372,091	MS.....	325,159	TX.....	1,245,496
CO.....	182,299	MO.....	356,390	UT.....	34,535
CT.....	2,200	MT.....	288,485	VT.....	7,064
DE.....	4,818	NE.....	541,052	VA.....	38,599
FL.....	38,322	NV.....	6,301	WA.....	131,182
GA.....	173,057	NH.....	2,303	WV.....	11,597
HI.....	267	NJ.....	21,484	WI.....	522,331
ID.....	99,090	NM.....	64,152	WY.....	33,419
IL.....	725,941	NY.....	76,027	PR.....	562
IN.....	333,690	NC.....	99,917	VI.....	16
IA.....	981,206	ND.....	473,883	Undistributed.....	—
KS.....	587,312	OH.....	274,004		
KY.....	118,421	OK.....	283,544	Total ¹	2,577,198
LA.....	249,762	OR.....	60,385		
ME.....	7,144	PA.....	68,395		

¹ Total may not add due to rounding.

Agricultural Stabilization and Conservation Service.

Table 618.—Agricultural Stabilization and Conservation Service program: Payments to producers, by program and commodity, United States, 1985-89

Program and commodity	1985	1986	1987	1988	1989
	<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.....	2,860,522	5,158,038	8,489,993	7,219,460	3,140,795
Rice.....	577,234	418,004	474,353	464,481	671,074
Wheat.....	1,949,621	3,499,721	2,931,266	1,841,883	602,904
Cotton, upland.....	1,106,244	1,042,392	1,204,298	923,863	1,183,816
Wool and mohair.....	97,596	111,922	143,724	116,777	81,403
Milk indemnity.....	428,568	624,394	507,757	217,767	182,476
Beekeepers indemnity.....	—	—	—	—	—
Appalachian region conservation.....	—	—	—	—	—
Agricultural conservation (REAP, RECP).....	168,767	123,624	155,313	178,609	181,146
Forestry incentive.....	11,222	10,764	9,021	9,949	11,055
Emergency conservation measures.....	8,756	6,361	4,298	6,473	5,999
Drought and flood conservation.....	—	—	—	—	—
Waterbank.....	9,667	9,357	8,645	8,301	7,976
Emergency feed.....	23	29,713	61,172	90,740	19,799
Emergency livestock feed.....	—	—	—	—	—
Extended storage.....	379,147	632,085	802,125	554,882	55,726
Potato diversion.....	—	—	—	—	—
Grand total.....	7,597,368	11,666,375	14,792,965	11,633,185	6,144,169

Agricultural Stabilization and Conservation Service.

Table 619.—Commodity Credit Corporation: Loans made in fiscal year for 1989, by States and Territories ¹

State or Territory	Barley	Corn	Cotton	Sorghum	Peanuts	Tobacco	Wheat	Other ²	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.....		946	24,831	2	132		137	18,207	44,255
AK.....							3		
AZ.....		884	64,829	11	113			3,001	68,841
AR.....		1,716	60,079	1,815			9,054	406,321	478,985
CA.....	134	177	198,127				1,104	206,154	405,696
CO.....	236	20,101		200			7,206	9,510	37,253
CT.....		54						3	57
DE.....		627						888	1,515
FL.....		450	358	3	637		51	7,701	9,202
GA.....		7,800	8,626	35	27,865		429	89,173	133,928
HI.....								626	626
ID.....	3,252	198					14,758	35,271	53,479
IL.....		193,475		490			1,972	244,948	440,885
IN.....		98,053					284	65,044	163,381
IA.....		372,326		49			21	262,402	634,798
KS.....	5	14,569		7,219			9,032	23,064	53,889
KY.....	8	14,859		21		685	672	29,778	46,023
LA.....		93	70,247	2			115	84,346	154,802
ME.....								184	184
MD.....	28	3,384					3	5,456	8,871
MA.....		61						41	102
MI.....	22	36,869		5			703	21,270	58,869
MN.....	5,811	258,529		12			34,469	317,194	616,015
MS.....		592	211,261				199	86,515	298,567
MO.....	6	28,646	9,186	3,681			2,601	281,439	325,559
MT.....	6,137	28		7			37,964	2,630	46,766
NE.....	13	211,256		10,650			4,241	53,847	280,007
NV.....	16						3	76	95
NH.....								14	14
NJ.....		816					6	721	1,543
NM.....		1,109	6,539	828	578		191	9,498	18,743
NY.....	11	8,480					1,560	29,312	39,363
NC.....	25	9,273	10,577	38	153	54,986	372	10,679	86,103
ND.....	9,718	9,522					53,973	27,547	100,760
OH.....		39,264					673	61,949	101,886
OK.....		297	8,200	471			5,913	-4,696	10,185
OR.....	301	81					4,277	2,403	7,062
PA.....	11	4,309		57			102	451	4,930
PR.....									
SC.....	29	2,656	4,119				369	15,892	23,065
SD.....	1,894	43,976		744			17,394	73,457	137,465
TN.....	30	6,790	30,195	2			457	28,062	65,536
TX.....		37,911	174,659	5,672	21,962		1,936	107,933	350,073
UT.....	273	143					950	1,309	2,675
VT.....		41						203	244
VA.....	23	4,068	388	13	6,800		126	4,880	16,298
WA.....	1,629	996					17,691	-3,716	16,600
WV.....		296						180	476
WI.....	32	50,382					234	43,396	94,044
WY.....	10	441					470	1,068	1,989
Total.....	29,653	1,486,543	882,220	32,032	58,239	55,671	231,715	2,665,631	5,441,704

¹ 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. ² Includes storage facility loans.

Agricultural Stabilization and Conservation Service.

Table 620.—Fruit, vegetable, and tree nut marketing agreement and order programs, 1989-90

Program	Estimated number of commercial producers	Farm value
	<i>Number</i>	<i>1,000 dollars</i>
Citrus fruits (1989-90 season):		
California and Arizona Navel and miscellaneous oranges.....	3,750	316,437
California and Arizona Valencia oranges.....	3,550	169,314
California and Arizona lemons.....	2,500	260,081
Florida oranges, grapefruit, tangerines, and tangelos ¹	12,000	267,538
Florida limes.....	79	21,412
Texas oranges and grapefruit.....	2,000	19,579
Deciduous fruits (1990 season):		
California Bartlett pears, plums, and freestone peaches.....	1,600	232,431
California nectarines.....	1,000	99,940
California olives.....	1,200	64,076
California desert grapes.....	60	57,223
California Tokay grapes.....	35	675
California kiwifruit (implemented 10-2-84).....	870	14,110
Colorado peaches.....	295	5,696
Florida avocados.....	260	13,361
Georgia peaches.....	150	36,732
Washington apricots.....	400	4,291
Washington sweet cherries.....	1,600	58,200
Washington peaches.....	700	13,498
Washington, Oregon, and California winter pears.....	1,850	116,395
Washington and Oregon Bartlett pears.....	1,800	21,568
Washington and Oregon prunes.....	350	5,035
Cranberries.....	900	152,830
Hawaiian papayas.....	400	14,805
Dried fruits (1990 season):		
California dates.....	135	20,880
California dried prunes.....	1,300	125,097
California raisins.....	4,800	347,590
Vegetables (1989-90 season):		
Florida celery.....	7	36,457
Florida tomatoes.....	250	383,349
Idaho and eastern Oregon onions.....	550	91,178
South Texas lettuce.....	20	311
South Texas melons.....	36	46,419
South Texas onions.....	80	42,840
Georgia onions (Vidalia).....	240	35,381
Texas tomatoes.....	25	3,042
Potatoes (1989-90 season):		
Colorado.....	400	162,483
Idaho and eastern Oregon.....	2,200	275,152
Maine.....	645	126,619
Oregon and Northern California.....	550	82,922
Southeastern States (Virginia-North Carolina).....	150	15,733
Washington.....	565	76,777
Nuts (1990 season):		
California almonds.....	7,000	591,560
California walnuts.....	5,000	229,270
Oregon and Washington filberts/hazelnuts.....	950	17,011
Peanuts ²	45,000	1,053,546
Spearmint oil (1990 season) ³	280	27,923
Total (45 programs) ⁴		5,761,767

¹ Includes Indian River and Interior grapefruit programs. ² 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. ³ 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. ⁴ 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 natural resources, particularly soil, water, timber, wetlands, wildlife, and improvement of water quality. 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.

Conservation Reserve Program (CRP)—Status Through Ninth Signup

Signup	Signup dates	Beginning program years
1	03/03/86-03/14/86	1986.
2	05/05/86-05/16/86	1986 & 1987.
3	08/04/86-08/15/86	1986 & 1987.
4	02/09/87-02/27/87	1987 & 1988.
5	07/20/87-07/31/87	1987 & 1988.
6	02/01/88-02/19/88	1988 & 1989.
7	07/18/88-08/31/88	1988 & 1989.
8	02/06/89-02/24/89	1989 & 1990.
9	07/17/89-08/04/89	1989 & 1990.

Acres Contracted

Signup	Program year					Total
	1986	1987	1988	1989	1990	
1	753,668	n.a.	n.a.	n.a.	n.a.	753,668
2	1,199,348	1,572,312	n.a.	n.a.	n.a.	2,771,660
3	90,114	4,613,265	n.a.	n.a.	n.a.	4,703,379
4	n.a.	7,209,284	2,269,315	n.a.	n.a.	9,478,599
5	n.a.	274,687	4,168,082	n.a.	n.a.	4,442,719
6	n.a.	n.a.	2,099,095	1,276,269	n.a.	3,375,364
7	n.a.	n.a.	220,023	2,384,878	n.a.	2,604,901
8	n.a.	n.a.	n.a.	1,467,854	994,528	2,462,382
9	n.a.	n.a.	n.a.	225,648	3,104,245	3,329,893
Total	2,043,130	13,669,548	8,756,465	5,354,649	4,098,773	33,922,565

n.a. not applicable.

Agricultural Stabilization and Conservation Service.

Table 621.—Conservation Reserve Program (CRP), Enrollment Summary, March 1986–August 1989¹

State	Number of contracts	Acres enrolled		Farm size (acres)		Rental rate (dollars per acre per year, weighted average)	Erosion reduction ² (tons per acre per year, weighted average)
		Total	Average per contract	Total	Average per contract		
Alabama.....	9,043	519,529	57.5	1,953,826	216.1	42.25	18
Alaska.....	39	24,701	633.4	54,591	1,399.8	36.61	5
Arkansas.....	2,937	225,353	76.7	1,192,619	405.6	49.01	14
California.....	493	189,054	371.3	712,750	1,445.7	48.61	14
Colorado.....	6,083	1,953,042	321.1	5,815,667	956.1	41.12	25
Connecticut.....	1	10	10.0	152	151.8	50.90	12
Delaware.....	29	984	33.9	21,452	741.0	66.09	8
Florida.....	2,228	123,013	55.2	519,904	233.4	41.89	15
Georgia.....	13,794	663,156	48.1	3,583,090	259.8	43.02	13
Hawaii.....	1	85	85.0	100	100.0	80.00	4
Idaho.....	8,437	791,061	230.2	2,868,807	834.7	45.45	16
Illinois.....	14,310	633,580	42.5	2,629,283	176.3	75.39	21
Indiana.....	9,122	364,729	40.0	1,208,501	132.5	72.14	16
Iowa.....	30,566	1,970,158	64.2	6,395,102	205.5	81.00	18
Kansas.....	29,827	2,361,786	95.9	12,627,436	423.4	52.81	16
Kentucky.....	7,397	416,799	56.3	984,622	133.1	58.94	34
Louisiana.....	1,571	132,907	84.6	462,333	294.3	43.92	7
Maine.....	911	37,222	40.9	207,085	227.3	49.39	12
Maryland.....	550	16,059	29.2	103,540	185.3	71.38	10
Massachusetts.....	5	32	6.4	250	50.0	47.65	7
Michigan.....	4,980	196,305	39.8	866,660	175.8	58.88	12
Minnesota.....	25,400	1,830,672	72.1	7,225,407	284.5	55.52	17
Mississippi.....	11,830	726,898	61.4	2,567,828	217.1	42.36	21
Missouri.....	19,557	1,504,413	76.9	4,337,957	221.8	62.79	19
Montana.....	7,503	2,720,133	362.5	9,813,430	1,307.9	37.48	13
Nebraska.....	13,323	1,348,929	101.2	5,182,105	389.0	55.45	22
Nevada.....	10	3,123	312.3	5,320	532.0	40.00	16
New Jersey.....	28	661	23.6	2,477	88.5	53.51	16
New Mexico.....	1,511	480,765	318.2	1,085,211	718.2	37.86	11
New York.....	1,500	54,606	36.4	345,078	230.1	56.55	43
North Carolina.....	5,891	137,040	23.3	724,631	123.0	45.79	17
North Dakota.....	18,172	3,137,199	172.6	13,201,203	726.5	38.43	14
Ohio.....	5,870	254,130	43.3	761,188	129.7	67.42	12
Oklahoma.....	8,332	1,155,450	138.7	3,027,202	363.3	42.48	23
Oregon.....	1,943	517,150	266.2	2,054,046	1,057.2	49.08	11
Pennsylvania.....	2,417	92,465	38.3	242,589	100.4	63.51	17
Puerto Rico.....	7	440	62.9	790	112.9	59.86	34
South Carolina.....	6,354	265,513	41.8	1,499,979	236.1	42.55	13
South Dakota.....	12,116	2,084,557	172.0	8,930,421	737.1	41.64	10
Tennessee.....	9,809	429,352	43.8	1,179,004	120.2	51.71	23
Texas.....	18,268	3,921,378	214.7	7,901,889	432.6	39.52	35
Utah.....	92	232,318	236.6	738,469	752.0	40.07	16
Vermont.....	9	187	20.8	711	79.0	50.00	13
Virginia.....	2,914	73,938	25.4	350,317	120.2	52.30	17
Washington.....	3,996	975,320	244.1	4,716,740	1,180.4	49.85	14
West Virginia.....	34	610	17.9	6,278	184.6	48.78	10
Wisconsin.....	16,849	604,060	35.9	2,050,812	121.7	67.60	14
Wyoming.....	793	257,022	324.1	685,217	864.1	38.43	13
United States, total.....	333,392	33,921,898	101.7	120,844,110	362.5	48.93	19

¹ CRP is a voluntary long-term cropland retirement program established in Title XII of the Food Security Act of 1985 (P.L. 99-198). USDA pays CRP participants an annual per-acre rent and half the cost of establishing a permanent land cover in exchange for retiring highly erodible cropland for 10 years. ² Erosion reduction equals erosion rate before implementation of conservation practice minus erosion rate after implementation.

Note: Total acres enrolled may not add due to rounding.

Agricultural Stabilization and Conservation Service.

Table 622.—Conservation Reserve Program (CRP), Enrollment by Practice, March 1986–August 1989
(CP 1 and CP 2)

State	CP 1 Establishment of permanent introduced grasses and legumes				CP 2 Establishment of permanent native grasses			
	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated
Alabama	3,351	186,132	9,114,766	49	2	11	699	65
Alaska	38	23,941	2,427,927	101				
Arkansas	1,297	77,595	3,052,038	39	2	100	1,706	17
California	316	116,416	2,414,838	21	4	137	6,389	46
Colorado	2,219	545,428	26,726,710	49	3,875	1,329,419	64,536,627	49
Connecticut								
Delaware	4	146	5,087	35				
Florida	176	5,476	248,085	45	2	408	11,826	29
Georgia	1,353	42,517	2,322,474	55	8	703	22,994	33
Hawaii								
Idaho	3,016	652,833	26,081,880	40	5	1,701	48,961	28
Illinois	12,967	551,838	23,583,813	43	386	7,932	462,790	58
Indiana	7,626	313,967	19,234,093	61	43	853	46,023	54
Iowa	26,496	1,628,165	66,924,598	41	2,321	79,795	4,545,539	57
Kansas	4,305	293,678	9,531,468	41	25,174	2,589,452	109,531,461	42
Kentucky	6,014	318,556	14,187,165	45	14	480	21,054	44
Louisiana	452	25,853	670,002	26	9	500	6,021	12
Maine	523	21,518	2,622,518	122				
Maryland	268	7,948	588,917	74				
Massachusetts	16	16	1,870	117				
Michigan	3,449	132,992	4,303,660	32	133	3,318	87,202	26
Minnesota	20,868	1,515,178	52,936,906	35	2,310	97,342	3,924,697	40
Mississippi	3,598	196,202	6,784,573	35	6	634	13,898	22
Missouri	16,011	1,220,571	50,200,077	41	948	41,714	2,227,768	53
Montana	6,726	2,388,297	51,647,862	22	777	273,613	6,773,739	25
Nebraska	5,375	572,950	18,056,088	32	5,377	483,041	16,749,021	35
Nevada	9	3,070	73,214	24				
New Jersey	24	525	49,230	94		3	100	33
New Mexico	104	30,715	2,357,082	77	1,386	443,457	22,274,044	50
New York	962	35,302	2,554,149	72	25	478	32,814	69
North Carolina	2,055	50,146	3,306,346	66	11	248	17,254	70
North Dakota	15,404	2,615,620	85,557,672	33	159	13,102	492,117	38
Ohio	4,729	213,183	9,715,398	46	50	597	29,171	49
Oklahoma	5,484	681,225	22,424,478	33	2,941	452,066	12,245,699	27
Oregon	1,776	493,976	18,620,978	38	2	49	1,334	28
Pennsylvania	1,514	44,039	3,392,431	77	12	176	14,567	83
Puerto Rico					3	77	6,360	83
South Carolina	1,248	39,170	2,299,856	59	1	12	266	22
South Dakota	7,878	1,291,971	36,469,153	28	923	132,440	4,896,890	37
Tennessee	7,808	327,729	17,160,048	52	5	66	2,483	37
Texas	8,124	1,575,041	83,335,501	53	9,157	2,146,174	115,082,734	54
Utah	868	212,126	5,010,655	24				
Vermont	8	109	12,789	117				
Virginia	1,443	33,655	1,704,288	51	8	188	9,300	50
Washington	3,800	989,147	37,787,384	40	13	4,852	217,177	45
West Virginia	19	255	11,881	47	1	7	200	31
Wisconsin	9,263	242,147	9,866,598	41	748	16,021	738,188	46
Wyoming	642	210,646	5,630,547	27	3	404	15,725	39
United States, total	199,611	19,818,011	740,957,093	37	56,845	8,121,570	365,093,838	45

Note: Total acres treated may not add due to rounding.
Agricultural Stabilization and Conservation Service.

Table 623.—Conservation Reserve Program (CRP), Enrollment by Practice, March 1986–August 1989

(CP 3 and CP 4)

State	CP 3 Tree planting				CP 4 Permanent wildlife habitat			
	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated
Alabama	5,577	259,952	11,383,729	44	229	4,546	257,309	57
Alaska					1	710	142,000	200
Arkansas	1,453	115,607	5,284,306	46	143	10,992	530,230	48
California	10	573	78,700	137	44	2,968	169,740	57
Colorado	30	637	419,450	658	309	70,536	4,698,308	67
Connecticut	1	10	3,500	350				
Delaware	6	153	6,034	40	10	402	38,836	97
Florida	1,928	105,551	2,856,353	27	42	3,928	223,514	57
Georgia	12,304	587,490	21,211,366	36	158	7,488	410,791	55
Hawaii								
Idaho	29	888	76,452	86	262	113,299	4,319,463	38
Illinois	989	16,040	1,288,618	77	455	14,186	947,741	67
Indiana	595	8,576	1,132,173	132	364	11,882	847,548	74
Iowa	982	9,560	1,318,224	138	310	7,062	890,945	118
Kansas	112	2,331	187,838	59	340	17,954	821,397	46
Kentucky	123	2,439	192,353	79	221	13,251	687,293	48
Louisiana	590	43,672	1,993,376	46	55	2,026	113,416	56
Maine	138	2,238	249,040	108	12	575	85,114	148
Maryland	85	1,070	97,680	91	109	3,451	223,440	65
Massachusetts	1	10	3,000	300				
Michigan	641	10,171	616,761	61	239	5,723	229,326	40
Minnesota	1,966	41,653	3,155,315	76	1,045	9,307	642,938	69
Mississippi	7,210	392,572	13,457,314	34	631	22,838	758,308	33
Missouri	306	8,768	589,391	67	1,397	72,328	2,979,553	41
Montana	13	175	7,990	46	98	23,330	496,627	21
Nebraska	295	2,139	178,666	84	3,165	263,363	10,560,227	39
Nevada								
New Jersey								
New Mexico					2	1,400	74,570	53
New York	172	2,703	272,054	101	23	609	43,134	71
North Carolina	3,748	77,413	2,399,085	31	67	529	30,200	57
North Dakota	109	1,025	114,355	112	2,542	412,081	13,449,980	33
Ohio	590	8,460	540,310	64	323	10,269	455,650	44
Oklahoma	28	836	48,459	58	50	1,583	38,810	25
Oregon	28	586	57,408	98	23	1,951	82,216	42
Pennsylvania	79	1,153	95,016	82	76	3,008	303,895	101
Puerto Rico	1	25	3,775	151				
South Carolina	4,870	199,021	5,020,551	25	302	6,231	257,745	41
South Dakota	59	562	53,758	96	3,334	559,840	16,138,134	29
Tennessee	734	21,762	826,675	38	661	16,016	615,766	38
Texas	149	16,073	696,104	43	1,289	153,403	7,554,992	49
Utah					129	18,936	486,704	26
Vermont								
Virginia	1,297	26,817	881,616	33	226	3,595	183,092	51
Washington	26	1,145	131,515	115	172	14,467	1,080,768	75
West Virginia	3	21	1,108	53	3	39	2,080	53
Wisconsin	2,798	42,860	3,028,487	71	742	12,294	528,714	43
Wyoming	1	8	400	50	137	42,370	1,113,291	26
United States, total	49,976	2,012,805	79,860,581	40	19,740	1,946,915	73,403,865	38

Note: Total acres treated may not add due to rounding.

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Table 624.—Conservation Reserve Program (CRP), Enrollment by Practice, March 1986–August 1989

(CP 5 and CP 6)

State	CP 5 Establishment of field windbreaks				CP 6 Diversions			
	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated
Alabama	1	5	214	42	5	4	1,449	329
Alaska								
Arkansas					6	226	5,849	26
California	2	16	12,800	805	1	4	29,120	7,280
Colorado	26	427	211,550	495	22	1,376	25,733	19
Connecticut								
Delaware								
Florida								
Georgia								
Hawaii	1	5	132	26				
Idaho	6	22	10,984	493	4	37	2,971	79
Illinois	6	7	1,203	167	76	6,910	103,372	15
Indiana	17	611	15,830	26	2	62	1,483	24
Iowa	13	45	8,221	181	7	127	9,258	73
Kansas	41	162	17,428	107	105	22,663	102,246	5
Kentucky					19	20	21,705	1,102
Louisiana					3	145	3,984	27
Maine								
Maryland					4	37	3,306	89
Massachusetts								
Michigan	36	65	4,105	63	4	26	1,122	44
Minnesota	751	1,324	249,045	188	13	36	22,501	629
Mississippi					5	7	3,665	524
Missouri	5	7	397	53	15	66	15,851	239
Montana	58	944	89,664	95	1	1	187	187
Nebraska	376	1,096	158,135	144	19	232	13,379	58
Nevada								
New Jersey								
New Mexico	3	18	11,981	666				
New York					3	14	975	72
North Carolina								
North Dakota	343	1,226	156,380	128	4	46	3,892	85
Ohio	9	29	3,459	121	1	1	1,000	1,000
Oklahoma	12	116	3,005	26	115	29,646	102,596	3
Oregon					2	13	4,875	375
Pennsylvania	2	1	670	515	10	39	8,347	211
Puerto Rico								
South Carolina	9	10	602	63	2	4	1,066	273
South Dakota	110	587	56,544	96				
Tennessee					65	4,790	50,365	11
Texas	6	16	17,674	1,091	49	10,396	93,021	9
Utah	1	10	100	10	39	5,655	159,189	28
Vermont								
Virginia					1	(¹)	83	830
Washington					8	819	9,972	12
West Virginia								
Wisconsin	20	60	2,169	36	16	28	4,975	175
Wyoming	4	22	4,973	230	1	41	680	16
United States, total	1,856	6,833	1,037,265	152	627	83,472	808,217	10

¹ Value less than 0.5.

Note: Total acres treated may not add due to rounding.
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Table 625.—Conservation Reserve Program (CRP), Enrollment by Practice, March 1986–August 1989

(CP 7 and CP 8)

State	CP 7 Erosion control structures				CP 8 Grass waterways			
	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated
Alabama	10	20	27,522	1,376	113	389	100,365	258
Alaska								
Arkansas	9	401	13,167	33	1	46	1,396	30
California	8	16	55,225	3,452	13	132	14,930	113
Colorado	20	12,972	46,604	4	4	53	5,560	106
Connecticut								
Delaware					1	(¹)	959	2,998
Florida					1	3	1,732	541
Georgia	1	3	3,025	1,008	1	2	1,100	500
Hawaii								
Idaho	3	991	10,500	11	5	21	21,801	1,014
Illinois	164	669	364,744	545	227	361	206,097	571
Indiana	13	91	16,418	190	36	244	36,209	148
Iowa	4	4	8,175	2,044	47	117	54,016	462
Kansas	19	6,354	58,680	23	67	237	48,983	207
Kentucky	130	743	282,182	380	278	1,595	332,693	209
Louisiana	11	308	8,377	27	13	621	8,890	14
Maine	1	55	700	13	2	38	3,430	39
Maryland	4	108	11,925	110	16	234	47,657	203
Massachusetts								
Michigan	20	216	11,949	55	71	320	25,265	79
Minnesota	67	149	303,467	2,042	368	648	358,511	553
Mississippi	17	64	46,033	724				
Missouri	7	30	7,097	237	21	66	17,489	265
Montana	1	13	2,795	210	64	262	29,695	113
Nebraska	8	176	9,625	55	118	363	64,071	176
Nevada								
New Jersey					1	1	50	45
New Mexico								
New York	1	1	1,393	1,393	4	38	1,880	58
North Carolina					7	5	4,186	790
North Dakota					84	443	107,100	242
Ohio	17	153	23,225	151	88	5,227	108,943	21
Oklahoma	37	3,081	69,032	22	60	1,216	32,851	27
Oregon	5	865	16,850	19	15	128	21,710	170
Pennsylvania	6	5	2,450	480	18	21	17,847	846
Puerto Rico								
South Carolina					4		6,511	775
South Dakota	2	77	3,042	39	12	24	10,253	427
Tennessee	60	342	80,088	234	61	161	20,674	128
Texas	23	4,704	135,317	29	103	1,255	92,074	73
Utah	41	5,072	126,600	25	1	310	1,875	6
Vermont								
Virginia	1	1	641	641	10	8	3,982	517
Washington	3	9	11,723	1,303	12	115	62,743	545
West Virginia								
Wisconsin								
Wyoming	54	321	111,500	347	69	188	50,378	267
					2	10	1,191	119
United States, total	768	38,017	1,871,487	49	2,018	14,960	1,925,047	129

¹ Value less than 0.5.

Note: Total acres treated may not add due to rounding.

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Table 626.—Conservation Reserve Program (CRP), Enrollment by Practice, March 1986–August 1989

(CP 9 and CP 10)

State	CP 9 Shallow water areas for wildlife				CP 10 Vegetative-cover-grass-already established			
	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated
Alabama.....	5	18	9,585	530	653	49,232	8,378	(¹)
Alaska.....						50		
Arkansas.....	27	680	19,760	23	210	9,484		
California.....	14	443	75,298	170	209	61,466		
Colorado.....	6	24	135,855	5,781	89	6,575		
Connecticut.....								
Delaware.....								
Florida.....					32	949		
Georgia.....	1	10	2,000	200	281	2,467		
Hawaii.....					1	85		
Idaho.....	5	4	10,420	2,605	337	20,358		
Illinois.....	61	405	97,804	242	1,342	32,742	290	(¹)
Indiana.....	20	198	12,154	61	1,067	25,034		
Iowa.....	24	116	17,138	147	7,764	240,496	4,053	(¹)
Kansas.....	11	419	4,783	11	583	16,052	1,287	(¹)
Kentucky.....	11	44	127,350	2,868	2,287	79,837	10,186	(¹)
Louisiana.....	46	4,920	71,923	15	466	27,856		
Maine.....					452	12,569		
Maryland.....	3	5	14,581	2,916	47	972		
Massachusetts.....					2	6		
Michigan.....	19	26	21,928	853	1,575	42,089		
Minnesota.....	131	1,154	125,755	109	5,746	160,170	1,000	(¹)
Mississippi.....	32	821	22,200	27	1,325	73,954		
Missouri.....	11	346	14,587	42	4,491	155,357		
Montana.....	4	15	11,331	755	277	32,618		
Nebraska.....	16	264	11,226	43	531	18,694	712	(¹)
Nevada.....					1	54		
New Jersey.....					5	127		
New Mexico.....					58	5,184	1,156	(¹)
New York.....	1	34	1,685	50	632	15,312		
North Carolina.....					319	4,527		
North Dakota.....	36	1,234	44,807	36	1,649	91,345		
Ohio.....	44	102	108,882	1,064	791	18,998		
Oklahoma.....					325	19,048		
Oregon.....	3	307	8,267	27	172	14,247	6,224	(¹)
Pennsylvania.....	6	12	21,400	1,845	1,370	42,887		
Puerto Rico.....					6	334		
South Carolina.....					196	4,508		
South Dakota.....	15	32	11,812	366	1,655	94,543		
Tennessee.....	8	319	35,180	110	1,804	45,089	8,666	(¹)
Texas.....	10	32	16,863	529	334	27,375	278	(¹)
Utah.....					5	1,260		
Vermont.....					3	65		
Virginia.....	2	3	3,200	1,103	372	7,514		
Washington.....	3	35	18,999	548	281	15,610		
West Virginia.....					17	277		
Wisconsin.....	69	251	29,104	116	11,228	286,374		
Wyoming.....	2	13	2,654	204	26	3,574		
United States, total.....	646	12,285	1,108,531	90	51,017	1,767,367	42,230	(¹)

¹ Value less than 0.5.

Note: Total acres treated may not add due to rounding.

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Table 627.—Conservation Reserve Program (CRP), Enrollment by Practice, March 1986–August 1989

(CP 11 and CP 12)

State	CP 11 Vegetative-cover-trees-already established				CP 12 Wildlife food plots			
	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated
Alabama	381	11,952			89	422		
Alaska								
Arkansas	24	490			4	57		
California	2	536						
Colorado	1	5						
Connecticut								
Delaware	1	20						
Florida	231	6,516			14	177		
Georgia	697	18,652			32	424		
Hawaii								
Idaho	2	309			5	314		
Illinois	25	241			75	381		
Indiana	26	298			3	38		
Iowa	24	762			184	654		
Kansas	6	106			30	132		
Kentucky	34	384	2,844	7	6	37		
Louisiana	53	1,817			25	132		
Maine	23	242						
Maryland	5	196			14	92		
Massachusetts								
Michigan	17	159			96	619		
Minnesota	94	614			191	629		
Mississippi	750	20,541			121	1,495		
Missouri	38	895	2,885	3	107	229		
Montana	10	1,048			2	5		
Nebraska	24	535			15	206		
Nevada								
New Jersey								
New Mexico								
New York	5	23			2	14		
North Carolina	197	2,363			5	42		
North Dakota	38	199			93	886		
Ohio	35	522			13	70		
Oklahoma	5	288			18	150		
Oregon	14	652			14	1,301		
Pennsylvania	26	908			8	68		
Puerto Rico	1	4						
South Carolina	249	8,070	1,206	(¹)	86	693		
South Dakota	61	653			268	3,180		
Tennessee	45	764			25	582		
Texas	20	2,012	32,323	16	72	724		
Utah								
Vermont								
Virginia	84	1,140			19	216		
Washington	1	3						
West Virginia	2	11						
Wisconsin	67	561			243	921		
Wyoming								
United States, total	3,313	84,798	39,258	(¹)	1,879	14,952		

¹ Value less than 0.5.

Note: Total acres treated may not add due to rounding.

Agricultural Stabilization and Conservation Service.

Table 628.—Conservation Reserve Program (CRP), Enrollment by Practice, March 1986–August 1989

(CP 13 and CP 14)

State	CP 13 Filter strips				CP 14 Wetland trees			
	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated	No. of contracts	Total acres treated	Total cost share	Cost share per acre treated
Alabama	56	548	25,758	47	67	6,572	615,938	94
Alaska								
Arkansas	37	669	32,470	49	100	9,597	492,485	51
California								
Colorado	2	20	1,010	50				
Connecticut								
Delaware	13	263	18,251	69				
Florida	1	1	26	29				
Georgia	58	1,338	59,280	44	61	1,906	87,887	46
Hawaii								
Idaho	3	13	614	48	5	1,307	21,277	16
Illinois	526	3,409	152,586	45	237	6,280	382,904	61
Indiana	342	2,855	165,439	58	57	824	71,176	86
Iowa	327	2,502	118,125	47	16	605	36,760	61
Kansas	150	940	51,972	55	20	459	24,018	52
Kentucky	119	1,251	51,147	41	5	206	15,272	74
Louisiana	9	87	5,020	58	198	25,958	1,389,670	54
Maine	3	20	2,020	103				
Maryland	179	2,261	220,250	97	6	59	4,247	72
Massachusetts	1	1	265	265				
Michigan	126	1,041	31,047	30	12	95	4,931	52
Minnesota	263	2,139	84,195	39	26	735	45,078	61
Mississippi	201	2,774	98,513	36	127	15,002	815,456	54
Missouri	290	2,299	88,499	38	46	848	56,574	67
Montana	1	13	322	26				
Nebraska	59	339	9,034	27	6	269	3,694	14
Nevada								
New Jersey					1	5	2,000	400
New Mexico								
New York	9	64	4,949	77	8	70	4,726	67
North Carolina	17	104	4,356	42	30	1,636	51,049	31
North Dakota	28	387	13,904	36	1	72	2,304	32
Ohio	247	1,363	60,146	44	36	242	23,273	96
Oklahoma	11	79	3,144	40				
Oregon	5	28	2,371	85	9	1,954	193,208	99
Pennsylvania	8	87	7,596	87	3	67	6,239	92
Puerto Rico								
South Carolina	317	6,145	227,664	37	57	1,640	43,798	27
South Dakota	46	681	20,513	30				
Tennessee	914	12,324	625,630	51	85	4,581	331,957	72
Texas	2	34	644	19	1	238	13,095	55
Utah								
Vermont								
Virginia	63	679	40,260	59	4	100	2,887	29
Washington	6	44	2,094	47				
West Virginia								
Wisconsin	316	2,080	61,527	30	32	375	27,346	73
Wyoming								
United States, total	4,755	48,834	2,290,641	47	1,256	81,702	4,769,249	58

Note: Total acres treated may not add due to rounding. Agricultural Stabilization and Conservation Service.

Table 629.—Agricultural Conservation Program and Emergency Conservation Program: Assistance to farmers for carrying out conservation and pollution abatement practices, United States and Caribbean area, by program years, 1976-78 and fiscal years 1979-90

Year	Agricultural Conservation Program ¹	Emergency Conservation Program
	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1976.....	134,731	15,142
1977.....	175,347	18,952
1978.....	180,940	16,318
1979 ²	245,843	23,418
1980.....	183,686	21,818
1981.....	193,209	15,410
1982.....	165,339	4,251
1983.....	184,986	10,300
1984.....	160,278	12,638
1985.....	178,801	10,700
1986.....	137,305	7,410
1987.....	137,297	3,900
1988.....	198,665	4,378
1989.....	179,244	7,226
1990.....	183,966	12,469

¹ Excludes administrative expenses. Includes Long-Term Agreements from 1975. ² 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 630.—Agricultural Conservation Program and Emergency Conservation Program: Participation and assistance, by States and Caribbean area, 1990 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.....	2,830	96	3,805	836	4,641	1,454	68	1,554
AK.....	25	1	24	49	73			
AZ.....	353	322	900	933	1,833	2	18	4
AR.....	4,171	163	3,991	541	4,532			
CA.....	1,634	1,127	4,084	1,279	5,363	85	16	657
CO.....	2,332	349	3,489	779	4,268	1	(¹)	4
CT.....	588	16	261	93	354	3	(¹)	9
DE.....	79	2	118	55	173			
FL.....	1,824	85	2,635	688	3,323	87	5	119
GA.....	2,645	100	3,747	524	4,271	188	4	238
HI.....	162	31	345	70	415	10	1	103
ID.....	1,711	208	3,021	805	3,826	29	11	58
IL.....	3,694	108	5,144	1,436	6,580	403	13	774
IN.....	3,459	94	3,876	439	4,315	57	2	61
IA.....	4,419	79	4,901	1,190	6,091	398	14	926
KS.....	4,336	178	3,657	852	4,509	3	1	4
KY.....	4,043	75	3,610	856	4,466	11	(¹)	8
LA.....	3,481	141	2,839	429	3,268			
ME.....	1,256	53	1,242	1,032	2,274	3	(¹)	18
MD.....	588	13	770	302	1,072	33	(¹)	57
MA.....	1,164	40	463	82	545			
MI.....	5,897	279	3,853	890	4,743	55	1	58
MN.....	3,922	107	3,560	1,192	4,752	5	(¹)	3
MS.....	3,371	122	3,774	989	4,763	48	1	33
MO.....	4,275	99	5,920	952	6,872	308	15	278
MT.....	1,973	691	3,447	1,022	4,469	45	39	74
NE.....	3,484	474	3,468	702	4,170	208	45	286
NV.....	259	49	491	393	884			
NH.....	524	22	555	146	701			
NJ.....	796	45	495	74	569			
NM.....	1,063	1,000	1,906	244	2,150	10	6	14
NY.....	3,305	84	3,724	1,640	5,364	41	1	25
NC.....	12,329	248	3,405	438	3,843	933	93	1,008
ND.....	3,940	409	2,910	424	3,334	9	2	12
OH.....	3,110	66	2,653	1,163	3,816	69	1	81
OK.....	3,606	182	3,001	408	3,409	44	7	86
OR.....	1,476	164	2,497	890	3,387	12	3	28
PA.....	3,297	68	3,451	1,344	4,795	30	1	18
RI.....	140	3	55	75	130			
SC.....	1,592	58	1,606	921	2,527	3,539	535	4,232
SD.....	3,737	383	2,642	342	2,984	272	123	322
TN.....	4,699	83	3,450	704	4,154			
TX.....	9,692	1,297	12,220	1,703	13,923	394	77	550
UT.....	766	138	1,474	721	2,195			
VT.....	372	9	368	1,732	2,100	7	(¹)	16
VA.....	4,632	109	3,342	379	3,721			
WA.....	2,109	214	3,736	1,166	4,902	43	1	136
WV.....	2,224	58	1,670	766	2,436	6	(¹)	2
WI.....	3,578	69	2,854	1,143	3,997	1	(¹)	1
WY.....	541	135	912	793	1,705	24	23	50
US.....	135,473	9,946	136,361	36,626	172,987	8,870	1,127	11,907
CNMI.....	2	(¹)	2	0	2			
Guam.....	2	(¹)	5	0	5			
PR.....	353	7	353	76	429	74	6	52
VI.....	4	(¹)	9	0	9	14	1	33
Total.....	135,834	9,953	136,730	36,702	173,432	8,958	1,134	11,992

¹ Less than 500 acres served. ² Less than \$500.

Note: Totals are net totals and may not add.

Agricultural Stabilization and Conservation Service. Totals are the sum of rounded data.

Table 631.—Agricultural Conservation Program: Selected conservation and pollution abatement practices performed, by States and Caribbean area, 1990 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	858	11,007	106	202	1,802		
AK					201		
AZ				2		2	
AR	38	4,387	3	691	14		20,155
CA	357	330	115	66	19	476	51,062
CO	1,606	3,087	91	71	103	1,589	93,416
CT	38	279		1	71		80,951
DE		107	22	22	33		
FL	328	3,143	85	226	768		9,340
GA	146	7,626	65	8	1,271		
HI	116			14	146	3,910	112
ID	5,054	37,878	8	228	139	1,262	49,351
IL	671	9,742	68	1,693	32,979	169	8,404
IN	630	27,371	80	1,592	14,811	33	
IA	37	13,457	273	180	1,617	2,359	
KS	11,136	40	28	55	13,600	1,632	9,486
KY	1,201	5,487	34	382	6,347		
LA	80	6,098		1,793	524		16,607
ME	307	4,580		114	1,248	1	
MD	90			39	1,455		
MA	3	357		7	6	5	2,350
MI	3,203	132,987	2,137	549	2,959	4,071	
MN	488	10,272	3,083	351	6,048	33,212	
MS	1,275	12,401	33	1,209	265		11,207
MO	153	1,882	82	338	1,888		
MT	212	2,427	25	17	6,565	3,030	51,203
NE	2,695		671	79	1,583	12,546	15,666
NV				1		20	23,232
NH	39		346	25	64		
NJ	1,298	1,283		6	399		124
NM	5,429			117	263	105	19,262
NY	2,362	5,197	78	90	732	116	372
NC	510	28,358	5	147	3,239	1	
ND	1,804	1,996	8,351	5	4,816	72,677	1,349
OH	785	12,847	476	990	13,836	1,347	
OK	11,795		68	342	14,436	56	6,368
OR	517	9,453	72	207	66	181	19,031
PA	4,251	2,585	34	284	5,034		
RI		31			1		
SC	77	14,650	228	10	646		257
SD		240	3,526	3	2,051	27,629	1,741
TN	1,305	15,420	27	530	1,703		
TX	21,025			433	18,415	25	121,899
UT			6	56			30,562
VT	318	337	340	6	87		
VA	135	5,968	4	10	2,012		
WA	225	28,959	236	114	1,221	1,339	23,636
WV	61	20	5	1	200	24	
WI	540	6,547	576	114	9,653	607	
WY				5			24,192
US	83,198	428,836	21,387	13,425	175,336	168,424	691,335
CNMI						13	
Guam							
PR		1,031		2			86
VI							
Total	83,198	429,867	21,387	13,427	175,336	168,437	691,421

Table 631.—Agricultural Conservation Program: Selected conservation and pollution abatement practices performed, by States and Caribbean area, 1990 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)
	Acres	Acres	Acres	Acres	Number	Acres	Acres
AL.....	20,683	577	19,731	3,290	43	482	13,460
AK.....	401			10			
AZ.....		76,020		42	6		
AR.....	19,515	27,192	1,218	45	954		
CA.....	1,201	10,894	378	123	5		
CO.....	3,739	32,630			22	3,272	21,766
CT.....	804	15	59	123	2	13	
DE.....	123	39	54	6	4		5
FL.....	10,796	20	14,603	2,663	2	183	1,416
GA.....	13,946	4,804	21,372	1,277	88	28	46,690
HI.....	207	9,875	10		2		2,454
ID.....	5,928	16,588	166	71	3	2,244	5,325
IL.....	5,014	1,464	354	684	117	1,808	15,426
IN.....	8,389	2,013	2,920	4,767	137		776
IA.....	7,804	1,247	463	603	227	6,729	25,229
KS.....	4,674	2,202	2		43		115,214
KY.....	28,535	8,252	147	164	78	345	540
LA.....	12,434	18,948	695	1	196		20
ME.....	1,432	1,670	838	4,961		371	
MD.....	1,189	253	1,136	925	9	718	19
MA.....	729	188	18	155		48	
MI.....	32,277	3,470	3,322	365	13	845	42
MN.....	8,829	534	2,982	986	54	5,400	7,265
MS.....	24,876	642	11,824	298	371	1,306	8,361
MO.....	29,114	5,577	102	987	604	24	24,083
MT.....	19,567	120,636	10	162	6	38,261	
NE.....	4,388	30,247	3		63	716	56,755
NV.....	586	8,506			1		
NH.....	561	768	11	334		25	93
NJ.....	2,051		3			41	173
NM.....	1,126	62,488		20	29		1,253
NY.....	24,251	2,254	450	762	3	9,181	569
NC.....	8,733	39,101	2,653	223	9	1,573	403
ND.....	18,579	189	145	5	21	550	2,535
OH.....	7,979	7,113	503	1,474	6	652	
OK.....	43,748	1,801	52		486		56,310
OR.....	4,541	23,870	4,069	4,226	110		20,929
PA.....	7,438	4,188	170	543	15	26,019	2,411
RI.....	35		22	98			
SC.....	4,615	1,574	14,012	1,810	65	829	1,910
SD.....	29,901	2,251		51	17	2,104	7,148
TN.....	35,711	5,179	625	50	455	578	7,231
TX.....	85,916	284,096	181	6	1,252		78,968
UT.....	609	43,140					7,850
VT.....	508	32	11	251		111	
VA.....	15,557	39,462	4,997	3,100	29	608	178
WA.....	4,790	18,307	8,551	4,780	9	20,973	5,883
WV.....	2,887	24,260	88	321	140		
WI.....	6,043	541	5,888	2,265	10	24,964	522
WY.....	2,760	16,942		101			116
US.....	575,519	962,059	124,838	43,123	5,706	151,001	534,328
CNMI.....		6					
Gaum.....		5					
PR.....	944	1,832	37		18		189
VI.....	35	140					
Total.....	576,498	964,042	124,875	43,123	5,724	151,001	534,517

Agricultural Stabilization and Conservation Service.

Table 632.—Agricultural Conservation Program: ¹ Selected conservation and pollution abatement measures performed, United States and Caribbean area, annual 1981-90 and total 1936-90

Practice	Unit	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Total 1936-90
Terrace systems ²	1,000 acres.....	454	427	513	388	442	342	572	964	841	535	41,690
Sod waterways ²	do.....	727	489	453	207	230	176	133	224	167	175	17,326
Conservation tillage systems.....	do.....	717	733	919	1,009	1,076	631	423	445	330	430	7,511
Stripcropping systems.....	do.....	120	125	127	102	131	92	82	139	123	151	116,403
Establishing permanent vegetative cover.....	do.....	817	714	964	667	772	542	522	646	615	576	75,613
Cropland protective cover.....	do.....	1,495	1,115	1,100	791	798	637	601	750	636	581	509,260
Improving permanent vegetative cover.....	do.....	1,961	1,728	1,828	1,337	1,519	1,011	1,014	1,373	1,170	964	165,286
Planting trees or shrubs.....	do.....	53	55	66	55	87	98	130	156	132	125	6,933
Timber stand improvement.....	do.....	75	54	38	25	34	27	21	38	40	43	5,509
Permanent wildlife habitat ²	do.....	46	46	40	23	23	20	15	24	21	21	5,388
Water impoundment reservoirs.....	Number.....	12,271	7,423	7,020	5,987	5,756	4,783	5,626	8,480	6,520	5,724	2,479,479
Grazing land protection.....	do.....	13,977	9,411	9,151	7,701	8,764	6,664	6,801	12,502	13,764	12,498	578,468
Contour farming.....	1,000 acres.....	24	24	20	29	35	21	21	20	23	27	140,165
Diversions ²	do.....	128	123	111	112	95	71	66	102	85	83	7,247
Sediment retention, erosion, or water control structures.....	Number.....	15,968	12,142	12,646	12,462	14,081	12,655	10,427	16,007	12,281	13,427	3,481,989

¹ In 1974, the data include the Regular, Long-Term Agreement, and Forestry Incentives Programs. From 1975, the data include the Regular and Long-Term Agreement Programs.

² In area served.

Agricultural Stabilization and Conservation Service. Totals are from unrounded data.

Table 633.—Water Bank Program, status of agreements carried out, 1981 through Sept. 30, 1990, 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.....	363	51,418	34,328	17,090	385,299
CA.....	113	33,488	9,094	24,394	414,387
LA.....	282	42,028	20,955	21,073	490,375
ME.....	19	693	229	464	5,817
MI.....	10	427	151	276	7,908
MN.....	1,264	60,847	18,404	42,443	1,567,144
MS.....	523	79,830	39,302	40,528	680,749
MT.....	99	12,273	2,628	9,645	184,352
NE.....	95	6,381	1,599	4,782	151,076
ND.....	1,253	169,697	56,756	112,941	2,639,985
SD.....	642	67,685	21,867	45,818	1,030,616
WI.....	378	18,441	7,122	11,319	459,617
Total.....	5,044	543,208	212,435	330,773	8,017,325

Agricultural Stabilization and Conservation Service.

Table 634.—Water Bank Program, summary of status of agreements carried out, 1981 through Sept. 30, 1990, by years

Program year	Number of agreements ¹	Designated acres			Annual payment
		Total	Wetlands	Adjacent	
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Dollars</i>
1981.....	258	24,181	7,898	16,343	359,460
1982.....	520	44,148	15,650	28,498	671,944
1983.....	502	52,189	16,346	35,843	815,115
1984.....	582	58,087	22,720	35,317	832,820
1985.....	542	63,075	23,161	39,914	885,980
1986.....	345	38,577	14,096	24,481	535,974
1987.....	484	56,158	19,284	36,874	869,947
1988.....	495	65,278	26,041	39,237	992,655
1989.....	530	62,444	30,318	32,126	918,050
1990.....	725	73,904	35,109	38,795	1,049,704
1991 ¹	61	5,217	1,872	3,345	85,676
Total.....	5,044	543,208	212,435	330,773	8,017,325

¹ The agreements were entered into in 1990. Since compliance could not be rendered during 1990, the agreements were given the beginning date of January 1, 1991.

Agricultural Stabilization and Conservation Service.

Table 635.—Forestry Incentives Program, practices performed, by States and Caribbean area, 1990 fiscal year and cumulative 1975-90¹

State	1990				Cumulative 1975-90			
	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.....	10,437	1,439	63		271,132	26,870	643	
AZ.....		212			13	1,818		
AR.....	12,656	1,215	383		162,695	103,118	6,389	7,981
CA.....	176	233			8,452	9,460		
CO.....	10	190			237	4,528		
CT.....	125	38			1,222	7,494	10	2,336
DE.....	390	296			4,976	1,549		
FL.....	13,081	482			225,599	8,829	193	
GA.....	11,056	286			238,662	16,898	676	
HI.....					250			
ID.....	143	295			1,051	2,889	18	
IL.....	98	1,043	30		2,674	28,518	293	
IN.....	150	2,818	71		3,417	67,601	1,611	
IA.....	233	539	11		2,789	6,957	42	
KS.....		88			441	4,463		
KY.....	362	1,553	170		3,964	52,204	1,238	2,121
LA.....	11,915	710	597		146,343	44,770	2,149	
ME.....	103	311	55		6,431	17,919	269	
MD.....	1,572	560	13		21,739	12,294	40	
MA.....	64	666			364	33,545	30	739
MI.....	785	173			24,555	36,604		
MN.....	248	83	49		14,847	12,508	398	648
MS.....	22,307	25	58		245,463	27,049	1,066	16
MO.....	123	595			11,675	80,844		
MT.....	40	66	10		156	4,365	117	
NE.....		10			553	1,781		
NV.....					526	50		
NH.....	16	764	55		134	26,883	711	
NJ.....		65			927	12,154		
NM.....		161			65	6,883		
NY.....	148	1,294			4,097	60,723	110	4,323
NC.....	13,934	239	356		257,160	18,485	959	
ND.....					207	141		48
OH.....	610	3,111	43		11,317	70,055	609	
OK.....	720	690	363		17,534	31,838	363	
OR.....	3,453	1,185			40,687	21,519		
PA.....	59	1,526	3		5,192	33,648	198	
PR.....	75				1,173	10		
RI.....					132	2,393		
SC.....	11,114	804	19		210,594	10,702	187	
SD.....		184			29	3,678		
TN.....	1,713		88		25,478	15,210	425	
TX.....	9,919	1,223			148,508	50,947		
UT.....						12		
VT.....	15	464	10		408	20,896	244	16,368
VA.....	17,626	3,379	126		260,368	37,202	186	
WA.....	3,700	567			32,601	10,214		
WV.....	107	1,371	20		5,872	92,696	93	24,094
WI.....	1,424	895	268		28,482	31,485	2,035	265
WY.....		1,386			4	10,593		
Total.....	150,717	33,199	2,811		2,451,195	1,183,292	21,302	58,939

¹ 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 636.—Forestry Incentives Program, participation and assistance, by States and Caribbean area, 1990 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.....	289	11,939	839,421		839,421
AK.....					
AZ.....	3	212	14,333		14,333
AR.....	338	14,264	744,646		744,646
CA.....	17	409	59,754		59,754
CO.....	6	110	6,206		6,206
CT.....	7	163	4,899		4,899
DE.....	17	686	52,084		52,084
FL.....	244	13,563	1,081,584		1,081,584
GA.....	285	11,342	1,080,830		1,080,830
HI.....					
ID.....	11	439	44,256	2,529	46,785
IL.....	44	1,171	10,370	38	10,408
IN.....	93	3,039	75,469		75,469
IA.....	30	783	35,780		35,780
KS.....	1	88	1,544		1,544
KY.....	64	2,085	91,960		91,960
LA.....	282	13,222	639,755		639,755
ME.....	29	469	27,268	15,416	42,684
MD.....	59	2,145	98,323	562	98,885
MA.....	43	730	33,431	5,472	38,903
MI.....	66	958	50,715	15,981	66,696
MN.....	21	380	30,854		30,854
MS.....	364	22,390	1,130,790		1,130,790
MO.....	27	718	19,870		19,870
MT.....	6	116	9,423		9,423
NE.....	1	110	585		585
NV.....					
NH.....	45	855	32,763	16,912	49,675
NJ.....	8	65	1,300		1,300
NM.....	1	161	4,721		4,721
NY.....	90	1,442	63,637	8,889	72,526
NC.....	383	14,529	526,507		526,507
ND.....					
OH.....	151	3,764	133,491		133,491
OK.....	33	1,773	33,417	898	34,315
OR.....	107	4,638	546,141	6,885	553,026
PA.....	61	1,588	79,826		79,826
PR.....	5	75	11,750		11,750
RI.....	4	54		3,017	3,017
SC.....	283	11,937	808,984		808,984
SD.....	14	184	8,713	2,082	10,800
TN.....	28	1,751	107,390		107,390
TX.....	275	11,142	532,643		532,643
UT.....					
VT.....	37	489	20,642	2,093	22,735
VA.....	544	21,131	742,373		742,373
WA.....	86	4,267	397,783		397,783
WV.....	88	1,498	56,978	1,927	58,905
WI.....	139	2,587	140,990	5,413	146,343
WY.....	27	1,386	68,809		68,809
Total.....	4,760	186,727	10,552,953	88,114	10,641,067

Agricultural Stabilization and Conservation Service.

Table 637.—Soil conservation districts: Funds appropriated by State and local governments for conservation programs, fiscal year ending Sept. 30, 1990

State or Territory	Actual appropriations	State or Territory	Actual appropriations
	1,000 dollars		1,000 dollars
AL.....	2,409	NV.....	56
AK.....	53	NH.....	309
AZ.....	1,560	NJ.....	4,677
AR.....	3,177	NM.....	1,249
CA.....	10,829	NY.....	19,062
CO.....	1,394	NC.....	18,080
CT.....	6,003	ND.....	1,711
DE.....	5,487	OH.....	13,124
FL.....	5,873	OK.....	4,227
GA.....	5,432	OR.....	4,421
HI.....	12,210	PA.....	8,383
ID.....	5,296	RI.....	131
IL.....	11,401	SC.....	4,947
IN.....	11,932	SD.....	1,060
IA.....	23,509	TN.....	2,965
KS.....	14,656	TX.....	95,695
KY.....	6,645	UT.....	26,752
LA.....	4,433	VT.....	721
ME.....	643	VA.....	8,999
MD.....	8,469	WA.....	8,797
MA.....	461	WV.....	3,862
MI.....	6,880	WI.....	21,113
MN.....	34,338	WY.....	1,582
MS.....	3,160	Caribbean ¹	13,671
MO.....	19,551	Pacific Basin ²	329
MT.....	8,325	Total.....	513,413
NE.....	35,364		

¹ Puerto Rico and Virgin Islands. ² Guam and Northern Marianas.

Soil Conservation Service.

Table 638.—Soil conservation districts: Number organized each year, approximate total area and land in farms, United States and Territories, 1976-91

Year ¹	Number districts organized ²		Total area in districts	
	Net increase for the year	Cumulative total	New districts and additions	Cumulative total
	Number	Number	1,000 acres	1,000 acres
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.....		2,939		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
1988.....	15	2,956	-13,837	2,183,697
1989.....		2,956		2,183,697
1990.....	-1	2,955	-3,227	2,180,470
1991.....	0	2,955	29,692	2,210,162

¹ Fiscal years July 1 to June 30 to 1976; Oct. 1 through Sept. 30 through 1990.² Totals at the end of each year

are net, including corrections and adjustments made during the year.

Soil Conservation Service.

Table 639.—Soil conservation districts: Dates of State Laws, number of districts organized, approximate total area and number of farms, cumulative through Sept. 30, 1991

State or Territory	Date district law became effective	Districts organized ¹	Approximate area and number of farms within organized districts	
			Total area	Farms (and ranches)
		Number	1,000 acres	Thousands
Alabama.....	Mar. 18, 1939	67	32,454	115,917
Alaska.....	Mar. 25, 1947	10	375,304	1,469
Arizona.....	June 16, 1941	38	75,989	2,496
Arkansas.....	July 1, 1937	76	67,493	51,871
California.....	June 26, 1938	118	75,202	52,463
Colorado.....	May 6, 1937	79	58,774	30,549
Connecticut.....	July 18, 1945	8	3,135	3,605
Delaware.....	Apr. 2, 1943	3	1,309	2,966
District of Columbia.....	July 12, 1982	1	44	0
Florida.....	June 10, 1937	63	32,686	60,193
Georgia.....	Mar. 23, 1937	40	35,346	73,897
Hawaii.....	May 19, 1947	15	4,035	4,944
Idaho.....	Mar. 9, 1939	51	52,416	32,103
Illinois.....	July 9, 1937	98	28,502	89,070
Indiana.....	Mar. 11, 1937	92	23,166	74,236
Iowa.....	July 4, 1939	100	36,016	107,000
Kansas.....	Apr. 10, 1937	105	51,873	133,197
Kentucky.....	June 11, 1940	121	25,377	102,000
Louisiana.....	July 27, 1938	43	26,414	27,766
Maine.....	Mar. 25, 1941	16	18,735	17,421
Maryland.....	June 1, 1937	24	6,636	14,776
Massachusetts.....	June 28, 1945	16	5,065	6,558
Michigan.....	July 23, 1937	83	36,034	58,742
Minnesota.....	Apr. 26, 1937	90	50,901	123,360
Mississippi.....	Apr. 4, 1938	82	29,816	126,481
Missouri.....	July 23, 1943	112	42,387	145,918
Montana.....	Feb. 28, 1939	59	88,703	26,285
Nebraska.....	May 18, 1937	23	47,795	59,504
Nevada.....	Mar. 30, 1937	29	50,339	3,217
New Hampshire.....	May 10, 1945	10	5,955	2,515
New Jersey.....	July 1, 1937	16	4,973	8,277
New Mexico.....	Mar. 17, 1937	47	75,295	27,135
New York.....	July 20, 1940	57	30,488	40,180
North Carolina.....	Mar. 22, 1937	100	33,709	73,857
North Dakota.....	Mar. 16, 1937	60	42,958	42,512
Ohio.....	June 5, 1941	88	26,260	101,014
Oklahoma.....	Apr. 15, 1937	89	44,000	128,209
Oregon.....	Apr. 7, 1939	45	58,730	31,362
Pennsylvania.....	July 2, 1937	66	28,508	52,374
Rhode Island.....	Apr. 26, 1943	3	675	614
South Carolina.....	Apr. 17, 1937	46	19,912	26,000
South Dakota.....	July 1, 1937	69	49,354	36,376
Tennessee.....	Mar. 10, 1939	95	25,353	163,477
Texas.....	Apr. 24, 1939	211	144,621	235,873
Utah.....	Mar. 23, 1937	39	52,410	15,742
Vermont.....	Apr. 18, 1939	14	6,186	5,664
Virginia.....	Apr. 1, 1938	45	25,346	52,195
Washington.....	Mar. 17, 1939	48	38,350	42,111
West Virginia.....	June 12, 1939	14	14,439	17,237
Wisconsin.....	July 1, 1937	72	35,938	82,199
Wyoming.....	May 22, 1941	34	62,094	10,462
US.....		2,930	2,207,495	2,743,389
PACBAS ²	June 1946	6	271	1,000
Puerto Rico.....	May 31, 1984	18	2,311	31,004
Virgin Islands.....	July 1, 1946	1	85	1
Total.....		2,955	2,210,162	2,775,394

¹ For specific procedure on organization of soil conservation districts, reference should be made to each of the respective State soil conservation district's laws. ² Guam and Northern Marianas. Soil Conservation Service.

Table 640.—Soil surveys: Total area mapped for conservation planning and other uses under all programs, by States and Territories, year ending Sept. 30, 1990, and cumulative through Sept. 30, 1990

State or Territory	Progressive Soil Survey Program ¹			State or Territory	Progressive Soil Survey Program ¹		
	Work during year ending Sept. 30, 1990	Total to date			Work during year ending Sept. 30, 1990	Total to date	
	<i>Acres mapped</i>	<i>Acres updated</i>	<i>Acres</i>		<i>Acres mapped</i>	<i>Acres updated</i>	<i>Acres</i>
AL.....	583,675	31,320	27,794,440	NV.....	2,184,905	0	53,368,769
AK.....	1,924,130	90,000	39,951,179	NH.....	38,706	47,255	5,101,745
AZ.....	2,142,640	0	44,611,938	NJ.....	0	0	4,703,100
AR.....	199,160	213,768	32,592,564	NM.....	640,000	405,000	68,121,796
CA.....	610,474	100,410	71,884,826	NY.....	835,953	258,082	27,291,791
CO.....	1,196,196	193,485	59,776,205	NC.....	704,949	40,932	27,636,866
CT.....	0	175,000	3,211,700	ND.....	1,776,165	312,553	41,907,832
DE.....	0	88,306	1,308,500	OH.....	293,686	448,687	26,268,472
FL.....	836,095	200,000	30,930,000	OK.....	0	285,300	44,771,700
GA.....	191,440	218,228	33,538,462	OR.....	1,045,652	61,980	33,006,913
HI.....	0	0	4,532,436	PA.....	0	510,000	28,997,200
ID.....	512,328	5,850	33,944,912	RI.....	0	0	775,900
IL.....	1,054,361	33,869	34,916,266	SC.....	16,370	201,913	19,912,100
IN.....	0	135,875	23,158,600	SD.....	763,948	0	43,959,370
IA.....	0	473,115	36,016,200	TN.....	402,364	246,571	24,588,540
KS.....	0	367,378	52,657,500	TX.....	1,601,418	1,460,673	156,933,436
KY.....	717,224	152,704	24,108,117	UT.....	704,565	0	45,482,986
LA.....	1,072,427	295,363	29,503,157	VT.....	151,318	22,130	4,613,800
ME.....	341,921	40,329	14,971,273	VA.....	819,210	0	19,255,391
MD.....	0	82,000	6,694,500	WA.....	435,919	60,560	34,507,737
MA.....	0	39,840	5,301,800	WV.....	537,043	65,316	13,462,179
MI.....	1,112,196	0	29,415,234	WI.....	271,762	210,805	30,615,598
MN.....	1,027,154	343,765	39,343,998	WY.....	893,911	138,403	38,464,448
MS.....	210,174	342,046	27,217,727	Caribbean ²	0	3,000	2,333,300
MO.....	1,323,955	100,326	34,042,299	Total.....	31,554,624	8,788,325	1,660,382,146
MT.....	1,910,080	10,308	70,722,559				
NE.....	466,150	226,520	47,043,625				

¹ 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. ² Puerto Rico and Virgin Islands.

Soil Conservation Service.

Table 641.—Land protected from erosion by soil conservation practices: Newly applied in soil conservation districts with Soil Conservation Service assistance, fiscal years 1986-90

Land protected from erosion	Unit	1986	1987	1988	1989	1990
Cropland.....	Acres.....	15,900,000	20,317,696	22,883,640	23,038,757	23,761,858
Pasture and hayland.....	do.....	5,100,000	5,184,482	6,167,604	5,401,220	4,870,973
Range and native pasture.....	do.....	32,200,000	26,186,535	28,184,587	29,249,034	26,275,165
Woodland.....	do.....	2,000,000	1,790,156	1,818,494	2,191,268	1,540,716
Wildlife.....	do.....	1,700,000	1,655,329	1,648,216	2,311,863	2,145,464
Recreation.....	do.....	100,000	62,348	42,728	42,811	76,297
All others.....	do.....	300,000	375,958	1,085,027	456,473	2,168,459
Total land protected.....	Acres.....	57,300,000	55,572,504	61,830,296	62,691,426	60,838,932

Soil Conservation Service.

Table 642.—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, 1990

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.....	193,368	115,189	9	88,592	13,105	1,977	892	413,132
AK.....	3,493	3,442	70	464	3	0	18	7,490
AZ.....	497		1,024,704	1,000	100,332	0	0	1,125,505
AR.....	348,166	198,656	6,684	62,491	28,444	380	241	644,962
CA.....	332,858	48,977	184,641	15,062	38,166	12,637	7,620	639,961
CO.....	346,638	144,934	443,147	1,621	2,715	12	313	939,380
CT.....	635	3	0	0	0	0	15	653
DE.....	7,695	169	0	114	174	2	1	8,155
FL.....	176,706	207,645	264,933	32,018	27,048	0	383	708,633
GA.....	422,216	128,259	104	134,291	23,958	1,507	6,092	716,427
HI.....	38,499	18,911	44,492	0	0	0	669	102,571
ID.....	185,485	36,532	93,343	2,879	299	0	1,138	324,676
IL.....	758,203	127,819	102	9,180	75,914	84	3,654	974,956
IN.....	173,885	12,704	16	2,837	5,261	62	1,803	196,568
IA.....	1,209,985	99,168	67	1,112	270,307	1	1,541	1,582,181
KS.....	2,471,655	25,168	189,147	3,203	12,952	1,126	76	2,708,327
KY.....	1,537,157	73,526	0	1,077	27,824	0	0	1,689,584
LA.....	355,960	92,434	13,743	159,451	200,505	440	2,272	824,805
ME.....	2,257	2,545	0	59	6	4	422	5,093
MD.....	99,551	4,627	0	1,293	1,929	6	3,106	110,512
MA.....	1,457	36	0	0	0	0	0	1,493
MI.....	279,077	23,239	0	20,769	18,888	775	2,230	345,038
MN.....	327,486	20,932	868	4,233	21,974	58	7,653	383,134
MS.....	346,824	159,654	120	116,957	31,754	1,291	28,980	685,580
MO.....	409,603	130,736	29	6,295	15,247	48	150,920	712,878
MT.....	715,721	178,003	492,953	7,265	750	2,505	7,016	1,404,213
NE.....	581,053	77,423	743,220	4,827	31,039	0	4,396	1,441,958
NV.....	6,061	146,417	1,192,571	13	31,058	0	187	1,376,247
NH.....	2,463	1,678	0	4,583	327	216	199	9,666
NJ.....	11,681	1,150	3	1	327	3	35	13,200
NM.....	257,419	15,988	3,498,270	3,157	64,378	4,406	3,738	3,847,356
NY.....	87,831	14,680	0	1,588	4	81	322	104,506
NC.....	232,298	17,501	21	3,951	1,721	229	4,206	259,927
ND.....	1,228,837	89,168	444,402	499	87,840	1,312	25,992	1,878,050
OH.....	113,907	27,557	49	1,539	1,111	85	298	144,546
OK.....	410,481	236,413	174,658	8,023	3,839	22	15	833,451
OR.....	226,314	25,524	100,501	13,011	5,445	10	541	371,346
PA.....	209,203	14,333	2	108	256	55	485	224,442
RI.....								0
SC.....	109,828	24,808	326	84,812	17,550	304	1,797,961	2,035,589
SD.....	757,043	85,449	1,136,060	1,454	19,014	37	9,773	2,008,830
TN.....	360,590	40,876	33	4,082	154	10	25,541	431,286
TX.....	7,060,508	1,939,474	15,407,150	703,158	905,904	46,415	51,279	26,113,883
UT.....	34,525	14,294	170,632	0	25,430	68	179	245,128
VT.....	3,161	1,917	0	1,951	667	0	21	7,717
VA.....	81,022	71,885	83	4,521	92	0	1,392	158,995
WA.....	369,077	33,767	161,486	11,993	1,802	13	852	578,990
WV.....	17,536	30,251	0	878	1,381	61	622	50,729
WI.....	671,676	30,984	59	14,128	9,983	32	2,435	729,297
WY.....	110,544	49,414	467,932	10	18,387	23	10,935	657,245
Caribbean ¹ ..	22,313	26,657	13,535	116	0	0	0	62,621
Total.....	23,761,868	4,870,973	26,275,165	1,540,716	2,145,464	76,297	2,168,459	60,838,932

¹ Puerto Rico and Virgin Islands.
Soil Conservation Service.

Table 643.—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, 1990

State or Territory	Progress, year ending Sept. 30, 1990		
	New SCD cooperators		New conserva- tion plans ¹
	Number	Acres	Acres
AL.....	1,472	121,063	132,730
AK.....	27	12,876	25,694
AZ.....	426	6,333,385	788,870
AR.....	531	169,105	416,020
CA.....	8,470	3,805,808	2,151,613
CO.....	469	324,746	733,723
CT.....	317	86,228	6,999
DE.....	62	7,476	21,438
FL.....	510	252,106	390,727
GA.....	945	78,233	259,558
HI.....	185	25,943	25,369
ID.....	77	24,833	204,826
IL.....	2,138	313,288	588,811
IN.....	120	9,591	135,295
KS.....	15,063	2,053,589	1,040,678
KY.....	2,257	934,144	1,145,238
LA.....	2,407	286,193	368,662
ME.....	1,020	347,210	458,542
MD.....	70	8,061	54,258
MA.....	841	78,083	212,110
MI.....	29	2,687	6,021
MN.....	387	51,344	338,821
MS.....	944	169,133	345,973
MO.....	3,845	100,953	137,512
MT.....	3,587	657,136	509,154
NE.....	907	2,123,771	2,083,455
NH.....	1,884	726,321	834,256
NV.....	70	223,302	312,117
NJ.....	41	3,644	11,945
NM.....	37	2,648	11,369
NY.....	463	1,131,762	1,660,874
NC.....	108	16,109	37,085
ND.....	2,073	194,100	145,477
OH.....	219	134,800	735,058
OK.....	583	89,811	72,750
OR.....	2,531	779,139	1,848,517
PA.....	229	749,479	0
RI.....	1,058	71,128	268,954
SC.....	1	7	559
SD.....	4,721	814,055	139,145
TN.....	1,164	1,096,797	648,434
TX.....	35,450	5,124,671	394,400
UT.....	6,305	3,051,844	5,652,649
VT.....	90	29,905	114,038
VA.....	60	15,688	54,798
WA.....	624	78,683	157,419
WV.....	225	142,302	197,771
WY.....	283	56,359	120,877
WI.....	469	75,365	551,343
WY.....	58	117,774	850,177
Caribbean ²	721	41,084	33,474
Total.....	103,971	33,144,342	27,445,597

¹ Includes conservation plans prepared on farms and ranches of SCD cooperators who signed agreements in prior years. ² Puerto Rico and Virgin Islands.
Soil Conservation Service.

Table 644.—Great Plains Conservation Program: ¹ Status of cost-share contracts, by States, year ending Sept. 30, 1990

State	Designated counties	Active land treatment contracts in operation	
		1990	1,000 acres
	Number	Number	
CO.....	38	527	1,669
KS.....	62	867	515
MT.....	40	358	2,385
NE.....	61	523	1,197
NM.....	19	540	1,306
ND.....	38	184	2,305
OK.....	43	451	559
SD.....	52	565	2,185
TX.....	146	1,188	2,503
WY.....	19	240	1,979
Total.....	518	5,443	16,603

¹ As authorized by the Act of Congress August 7, 1956 (Public Law 1021, 84th Congress). Soil Conservation Service.

Table 645.—Watershed protection ¹ and flood prevention projects: ² Works of improvement installed with the assistance of the Soil Conservation Service with watershed protection and flood prevention funds for year ending Sept. 30, 1990

Item	Unit	Watershed and flood prevention projects
Flood prevention subwatersheds in operation during year.....	Number.....	243
Watershed projects in operation during year.....	do.....	626
Land protected from erosion:		
Cropland.....	Acres.....	556,729
Pasture and hayland.....	do.....	321,513
Range and native pasture.....	do.....	536,639
Woodland.....	do.....	16,862
Wildlife.....	do.....	58,550
Recreation.....	do.....	11,202
Other.....	do.....	16,324
Total land ³	do.....	1,517,819

¹ 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. ² 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. ³ Land protected data included in Table 642 "Land Protected From Erosion by Soil Conservation Practices."

Soil Conservation Service.

Table 646.—Small watershed protection and flood prevention projects: Accomplishments for years ending Sept. 30, 1986-90

Item	Unit of measure	1986	1987	1988	1989	1990
Small watershed protection: ¹						
Land treatment: ²						
Forest land.....	Acres.....	9,785	5,462	9,692	8,735	10,477
Cropland.....	do.....	2,802	1,061	2,079	2,395	279
Pastureland.....	do.....	1,121	424	831	156	308
Total land treatment.....	do.....	13,708	6,947	12,602	11,286	11,064
Land owners assisted.....	Number.....	581	372	1,068	1,238	1,144
Flood prevention: ³						
Land treatment: ²						
Forest land.....	Acres.....	18,702	6,399	6,742	15,349	4,457
Cropland.....	do.....	925	793	454	253	970
Pastureland.....	do.....	370	317	182	259	188
Total land treatment.....	do.....	19,997	7,509	7,378	15,861	5,615
Land owners assisted.....	Number.....	3,416	5,113	2,932	2,091	2,116

¹ As authorized by the Watershed Protection and Flood Prevention Act of 1954 (Public Law 83-566), as amended. Accomplishments are limited to activities accomplished solely by small watershed protection program funds.

² Reported in land use categories consistent with those reported by the Soil Conservation Service. ³ As authorized by the Navigation and Flood Control Act of 1944 (Public Law 78-534), as amended. Accomplishments are limited to activities accomplished solely by small watershed protection program funds.

Forest Service.

Table 647.—Tree planting: Acres seeded and acres of tree planting, in States and Territories, fiscal year 1990

State or other area	Total	Federal lands			Non-federal public lands ¹	Private ² lands
		Total	National Forest System	Other ³		
	Acres	Acres	Acres	Acres	Acres	Acres
AL.....	259,657	6,157	5,486	671	2,553	250,947
AK.....	2,211	1,221	1,169	52	780	210
AZ.....	2,371	2,096	1,459	637	27	248
AR.....	128,427	13,433	11,946	1,487	1,470	113,524
CA.....	90,915	59,755	59,006	749	420	30,740
CO.....	6,956	1,295	872	423	130	5,531
CT.....	693				57	636
DE.....	403					403
FL.....	239,162	20,244	16,139	4,045	3,495	215,428
GA.....	343,374	4,886	4,039	847	325	338,163
HI.....	215				104	111
ID.....	36,274	24,897	24,025	872	2,216	9,161
IL.....	9,836	49		49	200	9,587
IN.....	8,841	93		93	82	8,666
IA.....	7,874	127		127	573	7,174
KS.....	2,864	70		70	417	2,377
KY.....	11,607	1,087	1,047	40		10,520
LA.....	163,624	6,742	6,328	414	650	156,232
ME.....	9,239	20		20	127	9,092
MD.....	8,036	21		21	290	7,725
MA.....	101	1		1		100
MI.....	19,759	2,452	2,452		4,453	12,854
MN.....	39,535	2,922	2,476	446	17,778	18,835
MS.....	298,932	13,340	11,083	2,257	10,243	275,349
MO.....	8,052	2,137	1,962	175	625	5,290
MT.....	38,010	23,772	22,109	1,663	1,357	12,881
NE.....	7,036	174	40	134	55	6,807
NV.....	240	35	20	15	75	130
NH.....	295	41	41			254
NJ.....	429	14		14	260	155
NM.....	2,683	2,453	1,983	470		230
NY.....	5,970	5		5	405	5,560
NC.....	124,616	3,181	2,467	714	874	120,561
ND.....	6,611	128		128	229	6,254
OH.....	5,137	439	377	62		4,698
OK.....	15,535	1,504	1,079	425		14,031
OR.....	238,721	131,320	88,563	42,757	8,925	98,476
PA.....	1,539	114	107	7		1,425
RI.....	453				208	245
SC.....	174,106	8,769	5,767	3,002	848	164,489
SD.....	7,276	752	525	227	100	6,424
TN.....	25,656	2,049	1,540	509	547	23,060
TX.....	133,394	6,094	5,867	227		127,300
UT.....	827	774	774			53
VT.....	80	80	80			
VA.....	109,548	2,023	1,118	905	792	106,733
WA.....	220,666	38,046	31,663	6,383	19,239	163,381
WV.....	4,840	61	56	5	193	4,586
WI.....	36,812	1,980	1,335	645	4,568	30,264
WY.....	2,139	1,201	1,039	162	30	908
State totals.....	2,861,577	388,054	316,099	71,955	85,720	2,387,803
PR.....	542	32	32		67	443
Other ⁴	88				79	9
Total.....	2,862,207	388,086	316,131	71,955	85,866	2,388,255

¹ State forest, other State, and other public agencies lands. ² Forest industry, other industry, and nonindustrial lands. ³ U.S. Department of Interior and Indian Reservations, and other federal lands. ⁴ Guam and the Trust Territories of the Pacific Islands.

Forest Service.

Table 648.—Forest land: Total forest land and area and ownership of timberland, by regions, Jan. 1, 1987 ¹

Region	Total forest land ²	Timberland ³							
		All owner-ships	Federal			State, county, and municipal ⁴	Private		
			Total	National forest	Other		Total	Forest industry	Farmer and other private
	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
Northeast.....	85,251	80,102	2,936	2,212	724	6,834	70,332	12,590	57,742
North Central.....	80,221	74,584	7,990	7,253	737	13,227	53,367	4,361	49,006
Great Plains.....	4,229	3,529	993	943	50	232	2,304	21	2,283
North.....	169,701	158,215	11,919	10,408	1,511	20,293	126,003	16,972	109,031
Southeast.....	87,744	84,594	6,983	4,871	2,112	1,789	75,822	16,793	59,029
South Central.....	115,741	110,790	8,917	6,896	2,021	1,994	99,879	21,438	78,441
South.....	203,485	195,384	15,900	11,767	4,133	3,783	175,701	38,231	137,470
Pacific Northwest ⁵	178,958	54,697	22,424	19,487	2,937	9,534	22,739	9,702	13,037
Pacific Southwest ⁶	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.....	358,191	129,720	69,184	63,048	6,136	15,274	45,262	15,402	29,860
All regions.....	731,377	483,319	97,003	85,223	11,780	39,350	346,966	70,605	276,361

¹ Data may not add to totals because of rounding. ² 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. Roadsides, streams, 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. ³ 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. ⁴ Includes Indian lands.

⁵ Includes Alaska. ⁶ Includes Hawaii.

Forest Service.

Table 649.—Timber volume: Net volume of growing stock and sawtimber on timberland, by softwoods and hardwoods, and regions, Jan. 1, 1987 ¹

Region	Growing stock ²			Sawtimber ³		
	All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods
	Million cubic feet	Million cubic feet	Million cubic feet	Million board feet	Million board feet	Million board feet
Northeast.....	109,135	31,391	77,744	252,183	80,476	171,707
North Central.....	77,905	16,009	61,896	207,088	45,255	161,833
Great Plains.....	3,380	1,912	1,468	11,742	6,807	4,935
North.....	190,420	49,312	141,108	471,013	132,538	338,475
Southeast.....	114,166	50,804	63,362	352,538	169,086	183,452
South Central.....	123,868	52,994	70,874	404,624	211,053	193,571
South.....	238,034	103,798	134,236	757,162	380,139	377,023
Pacific Northwest ⁴	168,881	153,074	15,757	888,736	842,838	45,898
Pacific Southwest ⁵	54,051	46,311	7,740	313,163	289,193	23,970
Rocky Mountains.....	104,599	98,386	6,213	399,196	386,904	12,292
West.....	327,481	297,771	29,710	1,601,095	1,518,935	82,160
All regions.....	755,935	450,881	305,054	2,829,270	2,031,612	797,658

¹ Data may not add to totals because of rounding. ² 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.

³ 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. ⁴ Includes Alaska. ⁵ Includes Hawaii.

Forest Service.

Table 650.—Timber volume: Net volume of sawtimber on timberland in the West, by regions and species, Jan. 1, 1987 ¹

Species	Total West	Pacific Northwest ²	Pacific Southwest ³	Rocky Mountains
	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
Softwoods:				
Douglas-fir.....	510,030	333,959	80,131	95,940
Ponderosa and Jeffrey pines.....	188,277	62,869	55,481	69,927
True fir.....	208,756	73,550	78,898	56,308
Western hemlock.....	195,902	192,080	206	3,616
Sugar pine.....	24,000	3,274	20,708	18
Western white pine.....	14,380	4,417	2,180	7,733
Redwood.....	30,504	583	29,921	
Sitka spruce.....	65,390	65,190	200	
Engelmann and other spruces.....	93,489	30,181	89	63,219
Western larch.....	34,388	12,386		22,002
Incense cedar.....	24,204	10,596	13,589	19
Lodgepole pine.....	76,280	15,604	5,260	55,416
Other.....	53,412	38,173	2,526	12,713
Total.....	1,518,962	842,862	289,189	386,911
Hardwoods:				
Cottonwood and aspen.....	19,604	7,292	74	12,238
Red alder.....	26,500	26,100	400	
Oak.....	18,666	1,196	17,470	
Other.....	17,397	11,320	6,025	52
Total.....	82,167	45,908	23,969	12,290
All species.....	1,601,129	888,770	313,158	399,201

¹ International ¼-inch rule. Data may not add to totals because of rounding. ² Includes Alaska. Estimates of hardwood volume are not available for most National Forests in Oregon and Washington. ³ Includes Hawaii. Forest Service.

Table 651.—Timber removals: Roundwood product output, logging residues and other removals from growing stock and other sources, by softwoods and hardwoods, 1986 ¹

Roundwood products, logging residues, and other removals	All sources			Growing stock ²			Other sources ³		
	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>
Roundwood products:									
Sawlogs.....	7,064	5,395	1,668	6,722	5,175	1,546	342	220	122
Pulpwood.....	4,788	3,103	1,685	3,894	2,481	1,413	894	622	272
Veneer logs.....	1,540	1,433	107	1,439	1,337	102	101	96	5
Other products ⁴	1,087	868	219	1,031	842	189	56	26	30
Fuelwood.....	3,114	545	2,568	798	206	592	2,316	339	1,977
Total.....	17,593	11,345	6,248	13,884	10,042	3,843	3,708	1,303	2,405
Logging residues ⁵.....	3,913	2,270	1,643	6 1,582	6 999	6 584	7 2,331	7 1,272	7 1,059
Other removals ⁶.....	1,673	422	1,251	9 984	9 327	9 657	7 689	7 95	7 593
Total.....	23,178	14,037	9,141	16,451	11,367	5,083	6,728	2,670	4,058

¹ Data may not add to totals because of rounding. ² 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. ³ 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 (for example, fence rows). ⁴ Includes such items as cooperage, pilings, poles, posts, shakes, shingles, board mills, charcoal and export logs. ⁵ Downed and dead wood volume left on the ground after trees have been cut on timberland. ⁶ Growing stock volume cut or knocked down during harvest but left at the harvest site. ⁷ Wood volume other than growing stock left on the ground after harvest, cultural operations, or timberland clearing. This volume is net of 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. ⁸ Unutilized wood volume from cut or otherwise killed growing stock, from nongrowing stock sources on timberland (for example, precommercial thinnings), or from timberland clearing. Does not include volume removed from inventory through reclassification of timberland to reserved timberland. ⁹ Growing stock volume removed by cultural operations or timberland clearing. Forest Service.

Table 652.—Timber growth, removals and mortality: Net annual growth, removals, and mortality of growing stock on timberland by softwoods and hardwoods and regions, 1986 ¹

Region	Growth ²			Removals ³			Mortality ⁴		
	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 ⁵	3,412	2,887	525	3,342	3,239	104	673	594	78
Pacific Southwest ⁶	1,046	889	157	830	819	12	272	248	24
Rocky Mountains.....	2,041	1,909	131	829	817	12	530	488	43
West.....	6,499	5,685	813	5,002	4,875	127	1,475	1,330	145
All regions.....	22,526	12,870	9,656	16,451	11,367	5,083	4,460	2,596	1,865

¹ Data may not add to totals because of rounding. ² 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. ³ The net volume of trees removed from the inventory during a specified year by harvesting, cultural operations such as timber stand improvement, or land clearing. ⁴ The volume of sound wood in trees that died from natural causes during a specified year. ⁵ Includes Alaska. ⁶ Includes Hawaii. ⁷ Excludes hardwood growth on National Forest land in California.

Forest Service.

Table 653.—Forest products cut on National Forest System lands: Volume and value of timber cut and value of all products, United States, fiscal years 1976-90

Year ¹	Total timber cut ²		Value of miscellaneous forest products ⁴	Total value including free-use timber	Year ¹	Total timber cut ²		Value of miscellaneous forest products ⁴	Total value including free-use timber
	Volume	Value ³				Volume	Value ³		
	<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>
1976.....	9,575	492,029	1,224	⁵ 495,367	1983.....	9,244	649,652	1,728	655,874
(⁶).....	(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
1980.....	9,178	729,829	1,064	736,641	1988.....	12,649	1,289,788	2,031	1,242,988
1981.....	8,036	720,922	1,627	728,919	1989.....	11,951	1,309,732	2,239	1,313,186
1982.....	6,747	339,215	2,020	348,708	1990.....	10,500	1,187,618	2,580	1,191,209

¹ Fiscal years July 1-June 30 for 1976; Oct. 1-Sept. 30 for 1977-90. ² Commercial and cost sales and land exchanges. ³ Includes collections for forest restoration or improvement under the Knutson-Vandenberg Act, 1930. ⁴ Includes materials not measurable in board feet, such as Christmas trees, tanbark, turpentine, seedlings, Spanish moss, etc. ⁵ Includes free-use timber for 15-month period ending Sept. 30, 1976. ⁶ Transition quarter July 1, 1976-Sept. 30, 1976.

Forest Service.

Table 654.—Timber volume: Net volume of sawtimber in the East, by regions and species, Jan. 1, 1987¹

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>
Softwoods:								
Longleaf and slash pines.....	54,258					54,258	36,497	17,761
Loblolly and shortleaf pines.....	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	8			
Spruce and balsam fir.....	37,773	37,699	26,099	11,362	238	74	74	
Eastern hemlock.....	22,992	20,932	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
Total.....	512,692	132,557	80,487	45,258	6,812	380,135	169,089	211,046
Hardwoods:								
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	939	1,947
Soft maple.....	47,863	34,538	22,571	11,330	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	1,556	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
Basewood.....	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
Total.....	715,517	338,505	171,718	161,847	4,940	377,012	183,448	193,564
All species.....	1,228,209	471,062	252,205	207,105	11,752	757,147	352,537	404,610

¹ International 3/4-inch rule. Data may not add to totals because of rounding.
Forest Service.

Table 655.—National Forest System: National Forest System lands and other lands within unit boundaries, in States and Territories, Sept. 30, 1990

State or other area	Gross area within unit boundaries	National Forest System lands ¹	Other lands within unit boundaries ²	State or other area	Gross area within unit boundaries	National Forest System lands ¹	Other lands within unit boundaries ²
	1,000 acres	1,000 acres	1,000 acres		1,000 acres	1,000 acres	1,000 acres
AL.....	1,275	652	623	NH.....	825	720	105
AK.....	24,233	22,430	1,803	NM.....	10,367	9,321	1,046
AZ.....	11,880	11,235	645	NY.....	13	13	(³)
AR.....	3,490	2,499	990	NC.....	3,165	1,229	1,936
CA.....	24,387	20,564	3,822	ND.....	1,106	1,106	(³)
CO.....	16,023	14,441	1,582	OH.....	1,336	198	635
CT.....	(³)	(³)		OK.....	461	296	165
FL.....	1,246	1,127	119	OR.....	17,498	15,641	1,857
GA.....	1,846	858	988	PA.....	743	512	231
HI.....	(³)	(³)		SC.....	1,376	607	769
ID.....	21,673	20,437	1,236	SD.....	2,341	1,996	346
IL.....	840	265	575	TN.....	1,212	627	585
IN.....	644	188	456	TX.....	1,994	753	1,241
KS.....	116	108	8	UT.....	9,185	8,098	1,087
KY.....	2,102	670	1,432	VT.....	630	335	295
LA.....	1,023	601	422	VA.....	3,223	1,641	1,582
ME.....	93	53	40	WA.....	10,048	9,154	895
MI.....	4,885	2,816	2,070	WV.....	1,863	1,025	838
MN.....	5,467	2,809	2,658	WI.....	2,023	1,517	506
MS.....	2,310	1,149	1,161	WY.....	9,704	9,255	449
MO.....	3,082	1,474	1,607	PR.....	56	28	28
MT.....	19,101	16,800	2,302	VI.....	(³)	(³)	
NE.....	442	352	90				
NV.....	6,275	5,797	478	Total.....	231,099	191,395	39,703

¹ *National Forest Systems lands.*—A nationally significant system of Federally owned units of forest, range, and related land consisting of national forests, purchase units, national grasslands, land utilization project areas, experimental forest areas, experimental range areas, designated experimental areas, other land areas, water areas, and interests in lands that 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. ² *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. ³ Less than 500 acres.

Forest Service.

Table 656.—Lumber: Production, United States, 1976-90

Year	Total	Soft-woods	Hard-woods	Year	Total	Soft-woods	Hard-woods
	Million bd. ft.	Million bd. ft.	Million bd. ft.		Million bd. ft.	Million bd. ft.	Million bd. ft.
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.....	44,886	37,410	7,476
1980.....	35,354	28,239	7,115	1988.....	44,576	36,845	7,731
1981.....	31,672	25,420	6,252	1989.....	43,576	36,040	7,536
1982.....	30,010	24,949	5,061	1990 ¹	43,942	36,602	7,340
1983.....	34,553	28,926	5,627				

¹ Preliminary.

Forest Service.

Table 657.—Measures of forest productivity for timber: Timberland area, timber growing-stock data, growth per acre, and forest productivity indexes, by species group and region, United States, 1952, 1962, 1970, 1977, and 1987

Year	Timberland area	Net annual growth		Annual removals		Total inventory		Annual growth per acre		Productivity indexes			
		Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Growth/inventory		Removals/inventory	
										Softwoods	Hardwoods	Softwoods	Hardwoods
	<i>Million acres</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Billion cubic feet</i>	<i>Cubic feet</i>	<i>Cubic feet</i>	<i>1977=100</i>	<i>1977=100</i>	<i>1977=100</i>	<i>1977=100</i>
All regions													
1952.....	508	7.7	6.2	7.8	4.1	430	180	15.2	12.2	67	96	83	140
1962.....	518	9.6	7.1	7.6	4.3	448	210	18.5	13.7	80	94	78	128
1970.....	505	11.3	8.5	9.4	4.7	458	234	22.4	16.8	93	101	94	125
1977.....	491	12.4	9.3	10.0	4.2	465	260	25.2	19.0	100	100	100	100
1987.....	481	12.7	9.6	11.9	5.2	449	303	26.5	20.0	106	88	122	106
North													
1952.....	154	1.0	2.7	.6	1.5	27	77	6.3	17.8	100	110	145	116
1962.....	156	1.2	3.2	.5	1.5	34	94	7.7	20.5	101	105	99	98
1970.....	154	1.3	3.6	.6	1.9	39	105	8.7	23.3	96	105	95	106
1977.....	152	1.6	3.8	.7	2.0	44	116	10.3	25.0	100	100	100	100
1987.....	153	1.3	4.2	.7	2.0	47	138	8.4	27.2	76	93	96	86
South													
1952.....	204	3.6	3.0	3.1	2.6	59	84	17.9	14.9	97	86	116	164
1962.....	212	4.7	3.4	2.8	2.7	73	95	22.2	16.0	100	85	85	160
1970.....	204	5.6	4.3	3.8	2.7	87	104	27.6	21.0	102	98	96	148
1977.....	200	6.3	5.0	4.5	2.1	99	119	31.6	25.1	100	100	100	100
1987.....	195	5.8	4.6	5.7	3.0	104	134	30.1	23.5	88	81	123	125
West													
1952.....	150	3.1	.4	4.0	.0	344	19	20.8	2.6	63	81	77	51
1962.....	150	3.7	.5	4.3	.1	341	22	24.6	3.3	75	87	82	74
1970.....	147	4.4	.6	5.0	.1	332	26	29.7	4.1	91	94	99	90
1977.....	139	4.6	.6	4.9	.1	322	25	33.2	4.5	100	100	100	100
1987.....	133	5.6	.9	5.4	.2	299	31	42.1	6.4	130	109	119	146

Forest Service.

Table 658.—Measures of forest productivity for timber: Timberland area, timber growing-stock data, growth per acre, and forest productivity indexes, by species group and ownership, United States, 1952, 1962, 1970, 1977, and 1987

Year	Timberland area	Net annual growth		Annual removals		Total inventory		Annual growth per acre		Productivity indexes			
		Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Growth/inventory		Removals/inventory	
										Softwoods	Hardwoods	Softwoods	Hardwoods
		Million acres	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Cubic feet	Cubic feet	1977=100	1977=100
All owners													
1952.....	508	7.7	6.2	7.8	4.1	430	180	15.2	12.2	67	96	83	140
1962.....	518	9.6	7.1	7.6	4.3	448	210	18.5	13.7	80	94	78	128
1970.....	505	11.3	8.5	9.4	4.7	458	234	22.4	16.8	93	101	94	125
1977.....	491	12.4	9.3	10.0	4.2	465	260	25.2	19.0	100	100	100	100
1987.....	481	12.7	9.6	11.9	5.2	449	303	26.5	20.0	106	88	122	106
Forest industry													
1952.....	60	1.9	.7	2.8	.5	77	20	31.4	11.6	63	92	73	139
1962.....	62	2.3	.8	2.3	.7	76	25	37.8	13.5	79	88	62	142
1970.....	67	2.6	1.1	3.1	.6	75	29	39.0	15.8	90	98	85	122
1977.....	69	2.9	1.2	3.6	.6	74	32	41.7	17.5	100	100	100	100
1987.....	70	3.2	1.2	4.5	.9	72	35	45.7	16.3	115	88	127	135
Other private													
1952.....	296	3.5	4.6	3.5	3.3	93	130	11.7	15.5	78	96	130	140
1962.....	304	4.3	5.1	3.0	3.4	103	148	14.2	16.8	89	94	102	128
1970.....	288	5.2	6.1	3.3	3.7	114	163	18.2	21.2	97	101	102	126
1977.....	278	5.9	6.6	3.6	3.2	123	180	21.1	23.9	100	100	100	100
1987.....	275	5.5	6.9	4.3	3.9	135	213	19.9	25.0	85	88	111	102
National forests													
1952.....	95	1.7	.4	1.0	.1	204	13	17.6	4.2	69	96	53	143
1962.....	97	2.0	.5	1.7	.1	214	17	20.6	5.2	79	97	85	122
1970.....	95	2.4	.6	2.2	.2	212	19	24.9	6.0	94	98	106	140
1977.....	89	2.5	.7	2.0	.1	208	21	27.8	7.3	100	100	100	100
1987.....	85	2.7	.6	2.0	.2	186	24	31.5	7.3	121	81	114	112
Other public													
1952.....	58	.7	.5	.4	.1	55	16	12.6	8.5	67	97	52	107
1962.....	55	1.0	.6	.6	.2	56	21	17.3	11.4	86	99	69	89
1970.....	55	1.1	.7	.8	.2	58	24	20.0	13.4	97	101	89	106
1977.....	55	1.2	.8	.9	.2	59	27	21.2	14.9	100	100	100	100
1987.....	51	1.4	1.0	1.0	.2	56	31	27.1	19.0	123	100	122	90

Forest Service.

Table 659.—Timber products: Production, imports, exports, and consumption, United States, 1975-88 ¹

Year	Industrial roundwood used for—												
	Lumber				Plywood and veneer				Pulp products				
	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports ²	Exports ²	Consumption	
	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³
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	3,805	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.....	6,545	2,285	385	8,445	1,505	185	65	1,625	4,545	1,895	1,080	5,360	
1987.....	6,990	2,380	510	8,860	1,650	190	80	1,760	4,670	1,985	1,195	5,465	
1988 ⁵	6,920	2,225	720	8,425	1,630	165	100	1,695	4,885	2,045	1,345	5,585	

Year	Industrial roundwood used for—Continued								Fuel-wood production and consumption	Production, all products	Consumption, all products
	Other industrial products, ⁴ production and consumption	Logs		Pulp-wood chip exports	Total						
		Imports	Exports		Production	Imports	Exports	Consumption			
	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³
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	1,800	13,700	1,000	13,185	14,700
1978.....	395	20	585	225	12,565	3,755	1,845	14,480	1,525	14,090	16,005
1979.....	405	25	670	280	12,950	3,655	2,135	14,465	2,205	15,155	16,670
1980.....	415	25	560	275	12,120	3,250	2,350	13,020	3,105	15,225	16,125
1981.....	425	20	425	220	11,150	3,165	2,090	12,225	3,180	14,330	15,405
1982.....	435	20	550	175	10,910	3,015	1,995	11,930	3,355	14,265	15,285
1983.....	445	30	565	155	12,065	3,710	2,110	13,665	3,235	15,300	16,900
1984.....	455	30	600	145	12,725	4,165	2,060	14,830	3,620	16,345	18,450
1985.....	465	20	655	145	12,515	4,340	2,070	14,785	3,450	15,965	18,235
1986.....	475	15	620	150	13,845	4,375	2,300	15,920	3,115	16,960	19,030
1987.....	495	15	705	160	14,670	4,575	2,650	16,595	3,150	17,820	19,745
1988 ⁵	510	15	825	215	14,985	4,445	3,200	16,230	3,360	18,345	19,590

¹ Data may not add to totals because of rounding. ² Includes both pulpwood and the pulpwood equivalent of woodpulp, paper, and board. ³ Roundwood equivalent. ⁴ Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

⁵ Preliminary.
Forest Service.

Table 660.—Timber prices: Average stumpage prices for sawtimber sold from national forests, by selected species, 1976-90

Year	Douglas-fir ¹	Southern pine ²	Ponderosa pine ³	Western hemlock ⁴	All eastern hardwoods ⁵	Oak, white, red, and black ⁵	Maple, sugar ⁶
	<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>
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	209.30	105.40	88.10	146.80	80.50
1988.....	256.00	141.90	182.10	162.90	151.30	146.30	108.40
1989.....	389.80	131.40	292.00	223.30	135.80	178.90	128.60
1990.....	466.40	126.70	252.20	203.00	146.10	188.30	135.30

¹ Western Washington and western Oregon. ² Southern region. ³ Pacific Southwest region. Includes Jeffrey pine. Prior to 1979, California region. ⁴ Pacific Northwest region. ⁵ Eastern and Southern regions. ⁶ 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 1/4-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 1976-83 are statistical high bid prices; beginning in 1984, data are high bid prices which include specified road costs.

Table 661.—Timber products: Producer price indexes, selected products, United States, 1976-90

[1982=100]

Year	Lumber	Softwood plywood	Wood pulp	Paper	Paper-board	Year	Lumber	Softwood plywood	Wood pulp	Paper	Paper-board
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.....	118.2	109.8	111.5	111.5	118.1
1980.....	104.9	109.5	100.3	89.7	92.0	1988.....	122.1	109.1	136.7	123.2	133.2
1981.....	104.6	108.7	104.8	97.7	101.2	1989.....	125.7	124.2	157.4	129.6	140.1
1982.....	100.0	100.0	100.0	100.0	100.0	1990.....	124.6	119.6	151.3	128.8	135.7
1983.....	113.5	110.0	91.5	98.5	98.4						

Forest Service. Compiled from reports of the U.S. Department of Labor, Bureau of Labor Statistics.

Table 662.—Livestock on National Forest System lands: Number grazed and grazing receipts, United States, 1976-90

Year	Number grazed ^{1 2}		Receipts from grazing ⁴	Year	Number grazed ^{1 2}		Receipts from grazing ⁴
	Cattle and horses ³	Sheep and goats			Cattle and horses ³	Sheep and goats	
	Thousands	Thousands	1,000 dollars		Thousands	Thousands	1,000 dollars
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	8,617
1979.....	1,540	1,251	12,520	1987.....	1,410	1,134	8,104
1980.....	1,521	1,328	15,849	1988.....	1,313	1,067	8,738
1981.....	1,535	1,341	14,890	1989.....	1,526	972	10,950
1982.....	1,562	1,340	12,426	1990.....	1,206	974	10,419
1983.....	1,609	1,242	10,182				

¹ Data for 1976 are for authorized use; 1977-90 are number actually grazed. ² Fiscal years Oct. 1-Sept. 30, 1977-87; calendar years 1976, 1988-90. ³ Beginning 1977 includes burros. ⁴ Fiscal years July 1-June 30 for 1976; Oct. 1-Sept. 30 for 1977-90.
Forest Service.

Table 663.—Livestock on National Forest System lands: Number grazed and grazing receipts for the year ending Sept. 30, 1990, by States

State or other area	Number grazed ¹		Receipts from grazing	State or other area	Number grazed ¹		Receipts from grazing
	Cattle, horses, and burros	Sheep and goats			Cattle, horses, and burros	Sheep and goats	
	Number	Number	Dollars		Number	Number	Dollars
AL.....	261		917	ND.....	44,593	280	357,131
AZ.....	87,430	25,649	1,550,137	OH.....	434		1,868
AR.....	1,317		28,878	OK.....	3,466	1,013	19,786
CA.....	89,004	49,786	622,613	OR.....	95,817	33,615	² 641,785
CO.....	174,872	219,844	1,096,215	SD.....	68,692	3,167	602,049
FL.....	2,045		15,997	TX.....	6,553		94,897
GA.....			7,186	UT.....	78,742	214,414	756,839
ID.....	82,853	172,643	946,263	VT.....	58		24
IL.....	1,897	1,371	489	VA.....	1,186		7,429
KS.....	5,172		15,350	WA.....	37,911	14,020	158,455
KY.....	30		389	WV.....	1,480	141	20,232
LA.....	1,624		18,988	WY.....	121,598	146,125	880,185
MI.....	344		211	National forests.....	1,041,516	947,887	9,137,728
MN.....	36		379				
MS.....	788		4,578	National grasslands and land utilization project land.....	164,010	26,582	1,281,037
MO.....	4,948		25,359				
MT.....	131,799	27,971	787,740	Total.....	1,205,526	974,469	10,418,765
NE.....	18,956		153,926				
NV.....	50,629	52,138	434,378				
NM.....	89,397	12,292	1,157,797				
NY.....	1,594		10,295				

¹ Calendar year 1990. ² Includes receipts from Oregon and California Railroad Grant Lands.
Forest Service.

Table 664.—National Forest System lands: Receipts, United States and Puerto Rico, fiscal years 1976–90

Year ¹	From the use of timber ²	From the use of grazing	From special land uses, water power, etc.	Total ²	Year ¹	From the use of timber ²	From the use of grazing	From special land uses, water power, etc.	Total ²
	<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>
1976	418,564	10,909	25,190	454,663	1983	398,499	10,182	86,627	495,308
(³)	(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	8,617	78,025	831,774
1979	827,633	12,520	40,885	881,038	1987	807,941	8,104	82,348	898,393
1980	625,407	15,849	61,619	702,875	1988	888,374	8,738	83,050	980,162
1981	581,441	14,890	84,403	680,734	1989	909,517	10,950	130,349	1,050,816
1982	251,021	12,426	86,777	350,224	1990 ⁴	849,468	10,419	111,500	971,387

¹ Fiscal years July 1–June 30 for 1976; Oct. 1–Sept. 30 for 1977–90. ² Includes receipts from Oregon and California Railroad Grant Lands. ³ Transition quarter July 1, 1976–Sept. 30, 1976. ⁴ Preliminary. Forest Service.

Table 665.—National forests: Payments to States and Puerto Rico from receipts from timber sales, grazing fees, and miscellaneous uses, fiscal years ¹ 1989–91 ²

State or other areas	1989	1990	1991	State or other areas	1989	1990	1991
	<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	1,396	1,604	1,553	NM	2,280	2,365	1,897
AK	410	5,106	9,057	NY	6	19	10
AZ	7,718	7,187	5,967	NC	613	833	755
AR	3,888	8,331	7,913	ND	(³)	(³)	(³)
CA	63,311	66,992	64,161	OH	93	172	134
CO	2,718	3,457	3,664	OK	516	1,201	1,142
FL	1,691	2,326	1,854	OR	144,531	164,155	149,672
GA	797	866	908	PA	2,224	3,688	3,618
ID	10,344	12,330	14,506	SC	2,068	2,332	3,411
IL	88	38	68	SD	1,214	1,697	1,843
IN	69	79	22	TN	371	437	484
KY	449	397	459	TX	2,745	2,015	2,352
LA	2,804	2,650	3,479	UT	1,043	1,323	1,540
ME	26	37	35	VT	130	178	174
MI	791	2,057	1,777	VA	412	425	460
MN	492	724	868	WA	43,387	47,202	36,804
MS	5,055	4,466	6,385	WV	594	801	880
MO	2,130	2,632	2,585	WI	414	767	697
MT	8,238	7,582	11,150	WY	1,465	1,491	1,601
NE	34	41	40	PR	15	15	23
NV	345	380	334	Total	317,290	360,933	344,788
NH	375	535	506				

¹ Fiscal years Oct. 1–Sept. 30. ² 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. ³ Less than \$500. Forest Service.

Table 666.—National Forest System lands: Number of visitor-days,¹ 1982-90, by activity and States, and Puerto Rico, 1990

Year and activity	Visitor-days	Percent	1990			
			State or other area	Visitor-days	State or other area	Visitor-days
	<i>Thousands</i>			<i>Thousands</i>		<i>Thousands</i>
1982.....	233,438		AL.....	698	NM.....	7,704
1983.....	227,708		AK.....	5,414	NY.....	72
1984.....	227,554		AZ.....	19,039	NC.....	5,472
1985.....	225,407		AR.....	2,441	ND.....	169
1986.....	226,533		CA.....	61,007	OH.....	504
1987.....	238,458		CO.....	25,204	OK.....	387
1988.....	242,316		FL.....	2,961	OR.....	21,036
1989.....	252,495		GA.....	2,833	PA.....	2,631
1990 activity:			ID.....	11,819	SC.....	816
			IL.....	1,638	SD.....	2,966
			IN.....	569	TN.....	2,826
Mechanized travel and viewing scenery.....	89,196	33.9	KS.....	61	TX.....	2,155
Camping, picnicking and swimming.....	74,145	28.2	KY.....	2,447	UT.....	12,744
Hiking, horseback riding and water travel.....	22,543	8.6	LA.....	527	VT.....	1,369
Winter sports.....	16,143	6.1	MA.....	58	VA.....	3,900
Hunting.....	15,913	6.1	MI.....	4,916	WA.....	22,451
Fishing.....	15,616	5.9	MN.....	5,399	WV.....	1,234
Resorts, cabins and organization camps.....	15,106	5.7	MS.....	1,177	WI.....	2,095
Nature studies.....	2,115	.8	MO.....	1,713	WY.....	6,609
Other ²	12,274	4.7	MT.....	9,704	PR.....	186
			NE.....	149		
Total ³	263,051	100.0	NV.....	3,278	Total ³	263,051
			NH.....	2,676		

¹ Recreational use of national forest land and water that aggregates 12 visitor-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. ² Includes team sports, gathering forest products, attending talks and programs, and other uses. ³ Data may not add to total because of rounding.

Forest Service.

Table 667.—Pulpwood consumption, woodpulp production, and paper and board production and consumption, United States, 1976-90

Year	Pulpwood consumption ¹	Woodpulp production ²	Paper and board ³		
			Production	Consumption or new supply ⁴	Per capita consumption
	<i>1,000 cords⁵</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>
1976.....	72,011	46,505	57,788	61,739	566
1977.....	73,935	47,979	60,485	64,940	590
1978.....	74,170	48,320	61,917	68,045	611
1979.....	77,594	50,835	64,023	69,940	621
1980.....	79,703	52,229	63,865	67,969	597
1981.....	79,350	53,397	64,582	68,793	598
1982.....	77,573	50,379	60,951	65,198	562
1983.....	83,493	53,503	66,748	71,598	611
1984.....	86,948	56,520	70,248	77,285	654
1985.....	84,840	54,957	68,683	76,341	640
1986.....	91,083	57,802	72,505	79,891	664
1987.....	92,386	60,240	75,949	83,805	690
1988.....	95,263	61,760	78,085	85,936	701
1989.....	96,067	61,998	78,356	85,634	693
1990 ⁷	99,109	63,068	80,352	87,332	699

¹ Includes changes in stocks. ² Excludes defibrated and exploded woodpulp used for hard pressed board. ³ Excludes hardboard. ⁴ Production plus imports and minus exports (excludes products); changes in inventories not taken into account. ⁵ One cord equals 128 cubic feet. ⁶ Imports and exports for 1989 and 1990 exclude insulating board. ⁷ 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 668.—Population: Number of people eating from civilian food supplies, United States, Jan. 1 and July 1, 1976-91 *

Year	Jan. 1	July 1	Year	Jan. 1	July 1
	<i>Millions</i>	<i>Millions</i>		<i>Millions</i>	<i>Millions</i>
1976.....	215.0	215.9	1984.....	233.2	234.1
1977.....	217.0	218.1	1985.....	235.3	236.2
1978.....	219.4	220.5	1986.....	237.4	238.4
1979.....	221.8	223.0	1987.....	239.5	240.6
1980.....	224.4	225.6	1988.....	241.8	242.8
1981.....	226.8	227.8	1989.....	244.1	245.1
1982.....	229.0	230.0	1990.....	246.5	247.8
1983.....	231.1	232.1	1991.....	249.3	250.5

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

* These are the first estimates to reflect the census of April 1, 1990, and are subject to change.

Table 669.—Macronutrients: Quantities available for consumption per capita per day, United States, 1968–88 ¹

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>
1968.....	3,300	98	158	63	64	24	500	379
1969.....	3,300	98	157	62	64	25	490	382
1970.....	3,300	99	159	61	66	27	490	382
1971.....	3,300	100	161	62	66	27	500	384
1972.....	3,300	99	160	61	66	28	490	382
1973.....	3,300	97	155	58	63	28	460	387
1974.....	3,300	98	157	59	64	28	470	379
1975.....	3,300	97	153	56	63	27	450	383
1976.....	3,400	101	159	58	64	30	460	395
1977.....	3,300	100	156	58	62	29	450	392
1978.....	3,300	99	157	58	63	30	450	387
1979.....	3,400	100	160	59	64	31	460	397
1980.....	3,400	99	161	60	64	31	450	401
1981.....	3,400	98	161	59	65	31	450	390
1982.....	3,400	98	160	58	64	31	440	392
1983.....	3,400	100	165	60	66	32	450	396
1984.....	3,400	100	163	60	66	30	450	399
1985.....	3,600	103	171	62	69	33	450	411
1986.....	3,600	103	169	61	67	34	440	416
1987.....	3,600	104	167	60	66	34	440	423
1988.....	3,600	105	168	60	67	34	440	425

See footnote at end of table.

Table 669.—Vitamins: Quantities available for consumption per capita per day, United States, 1968–88 ¹—Continued

Year	Vitamins									
	Vitamin A	Carotenes	Vitamin E	Vitamin C	Thiamin	Riboflavin	Niacin	Vitamin B ₆	Folate	Vitamin B ₁₂
	<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>
1968	1,430	470	12.7	100	2.0	2.3	22	2.0	270	10.2
1969	1,420	450	13.0	100	2.0	2.3	22	2.0	270	10.3
1970	1,500	500	13.7	105	2.0	2.3	23	2.1	275	10.4
1971	1,510	510	13.4	107	2.0	2.3	23	2.1	277	10.4
1972	1,530	550	13.8	107	2.0	2.3	23	2.1	273	10.3
1973	1,510	570	14.3	106	1.9	2.2	22	2.0	280	9.8
1974	1,560	600	14.1	107	2.0	2.3	23	2.0	270	10.1
1975	1,560	620	14.3	112	2.0	2.3	23	2.0	280	10.0
1976	1,580	620	14.8	112	2.1	2.4	25	2.1	281	10.3
1977	1,520	570	14.2	112	2.1	2.4	24	2.1	280	10.2
1978	1,500	580	14.6	108	2.1	2.3	24	2.0	267	9.8
1979	1,550	620	14.7	110	2.2	2.4	24	2.1	278	9.5
1980	1,540	620	14.6	113	2.2	2.4	24	2.1	270	9.4
1981	1,540	630	14.8	110	2.1	2.3	24	2.0	269	9.5
1982	1,520	630	15.0	110	2.1	2.3	24	2.0	275	9.1
1983	1,520	620	15.3	115	2.2	2.3	24	2.1	279	9.3
1984	1,560	660	14.9	112	2.2	2.4	25	2.1	271	9.4
1985	1,530	650	16.1	113	2.2	2.4	25	2.1	282	9.4
1986	1,630	740	16.2	118	2.2	2.4	25	2.2	286	9.1
1987	1,730	840	16.2	116	2.2	2.4	26	2.2	280	9.1
1988	1,630	770	16.7	118	2.2	2.4	26	2.2	284	9.1

See footnote at end of table.

VITAMINS

Table 669.—Minerals: Quantities available for consumption per capita per day, United States, 1968–88 ¹—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>
1968.....	850	1,470	320	14.7	12.5	1.6	3,420
1969.....	840	1,460	310	14.7	12.4	1.5	3,380
1970.....	850	1,480	320	15.0	12.5	1.5	3,420
1971.....	860	1,490	320	15.0	12.6	1.5	3,420
1972.....	850	1,480	320	14.9	12.6	1.5	3,400
1973.....	860	1,470	320	14.9	12.2	1.6	3,380
1974.....	840	1,450	310	14.8	12.3	1.5	3,320
1975.....	840	1,450	310	15.0	12.3	1.6	3,380
1976.....	860	1,490	320	15.3	12.8	1.6	3,440
1977.....	850	1,470	310	15.1	12.6	1.6	3,360
1978.....	850	1,460	310	14.8	12.3	1.5	3,300
1979.....	860	1,480	320	15.0	12.3	1.6	3,380
1980.....	840	1,460	310	14.9	12.2	1.5	3,340
1981.....	830	1,450	310	14.9	12.2	1.5	3,290
1982.....	840	1,450	310	15.0	12.2	1.6	3,300
1983.....	850	1,470	320	16.4	12.3	1.6	3,360
1984.....	870	1,490	320	16.5	12.4	1.6	3,380
1985.....	890	1,520	330	16.9	12.6	1.6	3,430
1986.....	900	1,530	330	16.9	12.7	1.7	3,490
1987.....	900	1,540	330	17.0	12.6	1.7	3,460
1988.....	890	1,540	330	17.1	12.7	1.7	3,480

¹ 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 in 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 B₆, vitamin B₁₂ and ascorbic acid added by enrichment and fortification. Human Nutrition Information Service.

Table 670.—Food nutrients: Percentage of total contributed by major food groups, 1978 ¹

Nutrient and period	Meat, poultry, fish	Dairy ³ products	Eggs	Fats, ⁴ oils	Fruits			Vegetables				Legumes, nuts, soy	Grain products	Sugars, sweeteners	Miscellaneous ⁵	Total ⁶
					Citrus	Non-citrus	Total ⁶	White potatoes	Dark green, deep yellow	Other	Total ⁶					
1978	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	20.7	10.1	1.7	18.2	1.0	1.9	2.9	2.6	0.4	2.0	5.0	2.8	19.6	18.1	1.0	100
Protein	44.0	19.9	4.8	.2	.5	.6	1.2	2.3	.4	2.6	5.3	4.9	18.6	(²)	1.0	100
Total fat	35.2	11.9	2.4	43.4	.1	.4	.4	.1	(²)	.3	.4	3.5	1.3	0	1.5	100
Saturated fat	43.3	19.8	2.0	30.2	(²)	.2	.2	.1	(²)	.1	.2	1.8	.6	0	2.0	100
Monounsaturated fat	39.2	8.3	2.3	43.9	(²)	.4	.4	(²)	(²)	.1	.1	4.0	.4	0	1.3	100
Polyunsaturated fat	18.3	2.1	1.7	67.1	.1	.3	.4	.2	.1	.7	1.0	5.5	3.1	0	.7	100
Cholesterol	45.4	14.5	35.5	4.6	0	0	0	0	0	0	0	0	0	0	0	100
Carbohydrate .....	.1	5.9	.1	(²)	2.0	4.1	6.1	5.1	.7	3.8	9.6	1.8	35.3	40.2	.8	100
Vitamin A (retinol equivalents)	26.1	16.4	4.8	12.8	.6	2.3	2.9	0	27.1	5.4	32.5	(²)	.3	0	4.3	100
Carotene	0	2.6	0	2.9	1.5	5.9	7.4	0	70.8	14.0	84.7	.1	.7	0	1.6	100
Vitamin E	6.5	3.3	2.3	65.1	.7	2.8	3.5	.5	2.5	5.5	8.5	5.9	4.3	(²)	.6	100
Vitamin C	2.3	3.3	0	0	27.1	14.2	41.3	16.1	9.5	23.0	48.5	(²)	0	(²)	4.5	100
Thiamin	25.4	8.3	1.1	(²)	2.7	1.9	4.6	5.1	1.0	5.3	11.3	5.9	42.8	(²)	.6	100
Riboflavin	23.6	33.5	8.2	.1	.7	1.8	2.6	1.2	1.0	3.7	5.9	1.7	23.1	.2	1.1	100
Niacin	45.1	1.8	.1	(²)	.7	1.6	2.4	6.4	.8	4.7	11.9	5.0	30.2	(²)	3.5	100
Vitamin B ₆	42.0	11.0	2.6	(²)	1.8	7.6	9.4	12.2	2.2	7.6	22.0	3.7	8.7	(²)	.7	100
Folate	10.8	9.1	6.6	.1	8.4	3.1	11.5	4.8	3.6	19.4	27.9	18.8	13.2	0	2.0	100
Vitamin B ₁₂	77.0	17.5	3.8	.1	0	0	0	0	0	0	0	0	1.5	0	0	100
Calcium	3.8	76.1	2.2	2	1.3	1.2	2.5	1.0	1.1	4.6	6.7	2.9	3.6	.2	1.9	100
Phosphorus	29.8	35.1	4.6	.1	.7	1.0	1.7	3.0	.7	4.1	7.8	5.6	13.1	.1	2.1	100
Magnesium	15.7	20.2	1.2	(²)	2.5	4.1	6.6	6.2	1.7	8.6	16.6	11.9	17.4	.3	10.1	100
Iron	26.5	2.6	3.7	.1	.7	2.4	3.1	5.0	1.6	8.1	14.7	6.6	35.7	2.4	4.6	100
Zinc	50.8	18.2	3.4	.1	.4	.9	1.3	2.9	.6	3.7	7.2	4.6	12.2	.2	2.1	100
Copper	19.6	3.9	.3	.1	2.2	5.0	7.1	11.0	1.7	9.9	22.6	17.8	18.5	2.5	7.7	100
Potassium	19.8	21.4	1.4	(²)	4.0	6.2	10.2	13.5	2.2	11.8	27.5	5.8	6.6	.4	6.9	100

¹ Percentages for food groups are based on aggregate nutrient data for table 669. ² Less than 0.5 percent. ³ Excludes butter. ⁴ Includes butter. ⁵ Coffee, tea, spices, chocolate liquor equivalent of cocoa beans, and fortification not assigned to a specific group. ⁶ Components may not add to total due to rounding.

Human Nutrition Information Service.

FOOD NUTRIENTS

Table 671.—Food nutrients: Percentage of total contributed by major food groups, 1988 ¹

Nutrient and period	Meat, poultry, fish	Dairy products ²	Eggs	Fats, oils ³	Fruits		Vegetables					Legumes, nuts, soy	Grain products	Sugars, sweeteners	Miscellaneous ⁵	Total ⁴
					Citrus	Non-citrus	Total ⁴	White potatoes	Dark-green, deep-yellow	Other	Total ⁴					
1988	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Food energy	18.8	9.6	1.4	19.3	1.0	2.2	3.2	2.6	0.4	1.8	4.8	3.0	21.1	17.7	1.1	100
Protein	43.3	19.5	4.0	.2	.6	.7	1.3	2.3	.5	2.5	5.3	5.2	20.1	(⁶)	1.2	100
Total fat	31.7	11.7	2.0	46.5	(⁶)	.4	.5	.1	.1	.3	.4	3.9	1.4	0	1.9	100
Saturated fat	39.9	20.2	1.8	32.4	(⁶)	.2	.3	.1	(⁶)	.1	.2	2.0	.6	0	2.7	100
Monounsaturated fat	35.1	8.2	1.9	47.5	(⁶)	.4	.4	(⁶)	(⁶)	.1	.1	4.6	.5	0	1.7	100
Polyunsaturated fat	17.2	1.9	1.3	68.7	.1	.4	.4	.2	.1	.6	.9	5.7	3.0	0	.8	100
Cholesterol	47.1	15.2	32.8	4.8	0	0	0	0	0	0	0	0	0	0	0	100
Carbohydrate .....	.1	5.3	.1	(⁶)	2.0	4.5	6.5	4.9	.8	3.4	9.1	1.9	37.5	38.6	.8	100
Vitamin A (retinol equivalents).....	20.6	15.8	4.0	11.1	.6	2.1	2.7	0	36.5	5.1	41.6	(⁶)	.3	0	4.0	100
Carotene	0	2.0	0	2.1	1.2	4.5	5.7	0	77.5	10.8	88.3	.1	.6	0	1.4	100
Vitamin E	5.9	3.0	1.8	66.9	.6	2.8	3.5	.4	2.3	4.8	7.5	6.4	4.2	(⁶)	.7	100
Vitamin C	2.2	2.8	0	0	27.3	14.9	42.2	15.8	11.3	21.3	48.4	.1	0	(⁶)	4.3	100
Thiamin	25.0	7.5	.9	(⁶)	2.8	2.2	5.0	5.0	1.3	5.0	11.3	6.2	43.3	(⁶)	.7	100
Riboflavin	22.2	32.6	7.2	.1	.8	2.2	3.0	1.3	1.3	3.8	6.4	1.9	24.7	.7	1.3	100
Niacin	44.8	1.6	.1	(⁶)	.7	1.8	2.4	6.3	1.0	4.6	11.8	5.3	30.8	(⁶)	3.1	100
Vitamin B ₆	40.5	10.2	2.2	(⁶)	1.8	8.6	10.4	12.2	2.7	7.5	22.4	3.9	9.4	(⁶)	.9	100
Folate	9.8	8.3	5.6	.1	9.5	3.5	13.0	4.9	4.4	18.0	27.3	19.8	14.2	0	2.0	100
Vitamin B ₁₂	76.1	18.5	3.7	.1	0	0	0	0	0	0	0	0	1.6	0	0	100
Calcium	3.9	75.1	1.9	.1	1.4	1.3	2.7	.9	1.4	4.4	6.8	3.1	4.1	.3	2.1	100
Phosphorus	29.2	34.3	3.9	.1	.8	1.1	1.9	3.1	.9	3.9	7.9	6.1	14.1	.1	2.5	100
Magnesium	15.4	18.5	1.0	(⁶)	2.4	4.5	6.9	6.2	2.1	7.9	16.1	12.7	18.5	.2	10.5	100
Iron	22.1	2.4	2.9	.1	.6	2.4	3.1	4.7	1.7	6.9	13.3	6.5	42.7	2.3	4.8	100
Zinc	47.2	18.7	2.9	.1	.4	1.0	1.4	3.0	.7	3.5	7.3	5.2	14.0	.7	2.6	100
Copper	17.5	3.6	.3	.1	2.1	5.4	7.5	11.1	1.7	9.2	21.9	17.6	19.6	3.2	8.8	100
Potassium	19.3	19.7	1.2	(⁶)	4.2	7.1	11.3	13.9	2.9	11.5	28.4	6.2	7.1	.3	6.4	100

¹ Percentages for food groups are based on aggregate nutrient data for table 669.² Excludes butter.³ Includes butter.⁴ Components may not add to total due to rounding.⁵ Coffee, tea, spices, chocolate liquor equivalent of cocoa beans, and fortification not assigned to a specific food group.⁶ Less than 0.5 percent.

Human Nutrient Information Service.

Table 672.—Per capita consumption of major food commodities, United States, 1982-90¹

Commodity	1982	1983	1984	1985	1986	1987	1988	1989	1990 ²
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Red meats ^{3 4 5}	119.8	123.9	123.6	124.9	122.2	117.4	119.5	115.9	112.3
Beef.....	72.5	74.1	73.8	74.6	74.4	69.5	68.6	65.4	64.0
Veal.....	1.4	1.3	1.5	1.5	1.6	1.3	1.1	1.0	.9
Lamb and mutton.....	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1
Pork.....	44.9	47.4	47.2	47.7	45.2	45.6	48.8	48.4	46.3
Fish ⁵	12.4	13.3	14.1	15.0	15.4	16.1	15.2	15.6	15.4
Canned.....	4.3	4.7	4.9	5.0	5.4	5.1	4.9	5.1	5.1
Fresh and frozen.....	7.8	8.3	8.9	9.7	9.7	10.7	10.0	10.2	10.0
Cured.....	.3	.3	.3	.3	.3	.3	.3	.3	.3
Poultry ^{3 4 5}	44.9	45.8	47.2	49.4	51.3	55.5	57.4	60.8	63.8
Chicken.....	36.4	36.9	38.2	39.9	40.7	43.4	44.7	47.3	49.3
Turkey.....	8.5	8.9	9.0	9.5	10.6	12.1	12.6	13.5	14.4
Eggs ⁵	33.5	33.0	33.0	32.4	32.2	32.2	31.2	29.9	29.6
Dairy products:									
Total dairy products (milk equivalent, milkfat basis).....	554.6	572.9	581.9	593.7	591.5	601.3	583.2	565.3	570.6
Fluid milk and cream (product weight) ⁶	235.6	235.9	237.7	240.9	240.5	238.5	234.6	236.4	233.2
Plain and flavored whole milk ⁶	133.4	130.3	126.8	123.3	116.5	111.9	105.7	97.6	90.3
Plain lowfat milk (2%, 1%, and ½%).....	73.5	75.4	78.5	83.3	88.1	89.6	89.9	96.3	98.2
Plain skim milk.....	10.6	10.6	11.6	12.6	13.5	14.0	16.1	20.2	22.9
Flavored lowfat and skim milk.....	5.5	5.9	6.0	6.0	6.3	6.6	6.6	6.5	6.6
Buttermilk.....	4.1	4.3	4.3	4.4	4.2	4.3	4.1	3.7	3.5
Eggnog.....	.4	.5	.5	.5	.5	.5	.5	.5	.5
Yogurt (excl. frozen).....	2.6	3.3	3.7	4.1	4.4	4.4	4.7	4.3	4.1
Heavy cream, light cream, and half and half.....	3.5	3.7	4.0	4.4	4.7	4.7	4.6	4.8	4.6
Sour cream and dip.....	1.9	2.1	2.2	2.3	2.4	2.4	2.5	2.5	2.5
Cheese (excluding cottage) ^{5 7}	19.9	20.6	21.5	22.5	23.1	24.1	23.7	23.8	24.7
American.....	11.3	11.6	11.9	12.2	12.1	12.4	11.5	11.0	11.1
Cheddar.....	8.7	9.1	9.5	9.8	9.8	10.6	9.5	9.2	9.1
Italian.....	4.8	5.3	5.8	6.5	7.0	7.6	8.1	8.5	9.1
Mozzarella.....	3.3	3.7	4.0	4.6	5.2	5.6	6.0	6.4	6.9
Cottage cheese.....	4.2	4.1	4.1	4.1	4.1	3.9	3.9	3.6	3.4
Condensed and evaporated milk:									
Whole milk.....	4.0	3.8	3.7	3.6	3.6	3.7	3.5	3.1	3.1
Skim milk.....	3.0	3.2	3.7	3.8	4.3	4.2	4.2	4.7	4.8
Ice cream.....	17.6	18.1	18.2	18.1	18.4	18.4	17.3	16.1	15.7
Fats and oils—Total fat content.....	58.3	60.0	58.8	64.3	64.3	62.9	63.0	61.1	62.7
Butter (actual weight).....	4.3	4.9	4.9	4.9	4.6	4.7	4.5	4.4	4.4
Margarine (actual weight).....	11.0	10.4	10.4	10.8	11.4	10.5	10.3	10.2	10.9
Shortening.....	18.6	18.5	21.3	22.9	22.1	21.4	21.5	21.5	22.2
Lard (direct use).....	2.5	2.1	2.1	1.8	1.7	1.8	1.8	1.8	2.2
Edible tallow (direct use).....	1.3	2.1	1.7	1.9	1.8	.9	.8	.9	.8
Salad and cooking oils.....	21.9	23.6	19.9	23.5	24.2	25.4	25.8	24.0	24.2
Selected fresh fruits ⁸	87.6	93.2	91.7	89.3	95.5	101.1	99.2	99.2	92.3
Citrus.....	24.8	29.5	24.0	22.6	26.1	25.8	26.4	24.9	22.6
Noncitrus.....	62.9	63.7	67.6	66.7	69.8	75.4	72.7	74.3	69.8
Selected fresh vegetables ^{8 9}	88.4	85.2	92.3	92.1	91.2	97.2	100.7	103.8	102.3
Vegetables for freezing ^{8 10}	13.6	14.6	17.5	17.1	15.8	16.8	18.3	17.8	18.1
Vegetables for canning ^{8 11}	84.4	85.2	90.9	87.8	87.9	87.8	83.5	90.7	93.2
White potatoes ^{8 12}	114.8	118.4	121.9	122.4	125.7	125.7	122.2	126.7	127.2
Fresh.....	47.1	49.8	48.3	46.3	48.8	47.9	49.6	49.6	45.4
Freezing.....	38.6	39.2	43.7	45.4	46.2	47.3	43.2	46.5	49.9
Other processing.....	29.1	29.4	29.9	30.7	30.7	30.0	29.3	30.5	31.9
Total flour and cereal products.....	149.0	149.0	150.6	158.0	163.9	173.4	172.9	175.0	185.4
Wheat flour.....	116.9	117.7	119.2	124.7	125.7	129.9	130.0	129.2	137.8
Rice (milled basis).....	11.8	9.9	8.5	9.0	11.6	14.0	14.3	15.2	16.1
Corn products.....	14.0	15.2	16.4	17.8	19.8	22.5	20.7	21.8	22.1
Oat products.....	4.8	4.8	4.9	4.8	5.1	5.5	6.2	6.9	7.4
Barley and rye products.....	1.5	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5
Caloric sweeteners (dry weight basis).....	123.2	124.3	127.0	130.0	129.1	132.6	133.2	134.3	137.5
Sugar (refined).....	73.7	70.3	66.7	62.7	60.0	62.4	62.1	62.5	64.2
Corn sweeteners (dry weight) ¹⁴	48.2	52.7	59.0	65.9	67.7	68.3	69.7	70.3	71.9
Honey and edible syrups.....	1.3	1.3	1.4	1.4	1.4	1.3	1.4	1.4	1.4
Other:									
Coffee (green bean equivalent).....	9.9	10.1	10.2	10.5	10.5	10.2	9.8	10.3	10.2
Cocoa (chocolate liquor equivalent) ¹⁵	3.0	3.2	3.4	3.7	3.8	3.9	3.8	3.9	4.2
Peanuts (shelled).....	6.0	5.9	6.0	6.3	6.4	6.4	6.9	7.0	6.0
Tree nuts (shelled).....	2.2	2.3	2.4	2.4	2.3	2.2	2.3	2.3	2.5

See footnotes on page 484.

Table 673.—Food plans: Food cost at home, at four cost levels, for families and individuals in the United States, for one week, January 1991¹

Region and sex-age groups	Thrifty plan	Low-cost plan	Moderate-cost plan	Liberal plan
	Dollars	Dollars	Dollars	Dollars
FAMILIES				
United States:				
Family of 2: ²				
20-50 years.....	49.20	61.90	76.30	94.80
51 years and over.....	46.60	59.60	73.50	87.80
Family of 4:				
Children, 1-2 and 3-5 years.....	71.50	89.20	109.00	133.70
Children, 6-8 and 9-11 years.....	81.70	104.60	130.90	157.70
INDIVIDUALS³				
United States:				
Child:				
1-2 years.....	12.90	15.80	18.40	22.20
3-5 years.....	13.90	17.10	21.20	25.30
6-8 years.....	16.90	22.60	28.40	33.10
9-11 years.....	20.10	25.70	33.10	38.40
Male:				
12-14 years.....	21.00	29.10	36.30	42.70
15-19 years.....	21.70	30.10	37.40	43.40
20-50 years.....	23.40	29.90	37.40	45.20
51 years and over.....	21.30	28.50	35.10	42.00
Female:				
12-19 years.....	21.20	25.20	30.60	37.00
20-50 years.....	21.30	26.40	32.00	41.00
51 years and over.....	21.10	25.70	31.70	37.80

¹ 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. ² Ten percent added for family size adjustment. (See footnote 3.) ³ 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 674.—Food Stamp Program: Participation and Federal costs, fiscal years 1976-90

Fiscal year ¹	Average monthly participation	Recipient benefits ²	Total cost ³	Average benefit per person
	1,000	1,000 dollars	1,000 dollars	Dollars
1976.....	18,549	5,326,505	5,692,103	23.93
1977.....	17,077	5,066,950	5,469,249	24.71
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 ⁴	21,717	10,208,298	10,850,861	39.17
1983.....	21,625	11,152,813	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.....	19,113	10,500,344	11,643,599	45.78
1988.....	18,644	11,149,051	12,356,346	49.83
1989.....	18,764	11,875,994	12,908,313	51.85
1990 ⁵	20,086	14,205,294	15,509,537	58.93

¹ Data for fiscal years July 1 to June 30 for 1976; October 1 to September 30 beginning 1977. ² 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". ³ 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). ⁴ Omits Puerto Rico beginning July 1, 1982 when their nutrition assistance program began. ⁵ Preliminary.

Food and Nutrition Service.

Table 675.—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 1976-90 ¹

Fiscal year ²	Child Nutrition					WIC ⁵	Special Milk	Food Distribution Programs ⁶
	Cash payments ³				Cost of food distributed ⁴			
	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>	
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	376,828	94,373	859,198	1,386,094	16,043	1,489,900
1985.....	2,578,665	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.....	2,796,893	446,848	518,217	121,840	918,780	1,679,846	15,356	1,313,000
1988.....	2,916,193	473,597	583,757	132,044	852,812	1,797,509	18,724	1,073,100
1989.....	3,005,866	513,153	670,492	143,773	792,643	1,910,952	18,493	730,501
1990 ⁸	3,213,982	596,222	788,311	161,882	646,065	2,122,551	19,048	730,220

¹ See table 674 for Food Stamp Program costs. ² July 1-June 30 for fiscal years 1973-76; October 1-September 30 beginning fiscal year 1977. ³ 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. ⁴ Includes entitlement commodities, bonus commodities, and cash-in-lieu for the National School Lunch, School Breakfast, Child Care Food, and Summer Food Service Programs. ⁵ Includes food costs, administrative costs, program evaluation funds, and Farmers Market demo projects for the Special Supplemental Food Program for Women, Infants and Children. ⁶ 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). Also includes Commodities for Soup Kitchens beginning in fiscal year 1989. Excludes Child Nutrition commodities. ⁷ The Child Care Program includes an Adult Care component beginning in fiscal year 1989. ⁸ Preliminary.
 Food and Nutrition Service.

Table 676.—Food and Nutrition Service Programs: Persons participating, fiscal years 1976-90 ¹

Fiscal year ²	National School Lunch Program	School Breakfast Program
	<i>Thousands</i>	<i>Thousands</i>
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.....	24,500	3,752
1988.....	24,648	3,831
1989.....	24,770	3,941
1990 ³	24,589	4,235

¹ Based on peak month of participation. ² Data for fiscal years July 1-June 30 for 1973-76; Oct. 1-Sept. 30 beginning fiscal year 1977. ³ Preliminary.
 Food and Nutrition Service.

Table 677.—Food and Nutrition Service program benefits: Cash payments made under the National School Lunch, School Breakfast, Child Care, Summer Food and Special Milk Programs and the value of food benefits provided under the Food Stamp, WIC, Commodity Distribution and the Emergency Feeding Food Programs, fiscal year 1990¹

State/ Territory	Child Nutrition Program (cash payments only)					Special Supplemental Food (WIC)	Commodity distribution ²	Food Stamp Program ^{3,4}	TEFAP ⁵	Total
	Child and Adult Care Food	Summer Food	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.....	13,862	4,180	36	77,017	13,969	32,761	20,790	324,943	5,824	493,382
AK.....	3,023	3	9	7,916	1,040	4,785	1,873	25,236	132	44,016
American Samoa.....	0	0	0	2,899	1,440	0	348	0	0	4,687
AZ.....	11,217	1,420	172	46,995	10,172	28,827	23,849	239,458	1,283	363,394
AR.....	7,056	1,100	30	41,032	9,026	20,249	12,587	155,065	3,498	249,644
CA.....	84,395	9,203	937	395,648	83,246	148,147	104,250	950,823	12,434	1,789,082
CO.....	15,279	939	140	31,321	3,216	16,488	15,070	156,284	2,594	241,332
CT.....	6,822	1,363	615	22,848	3,504	22,745	8,561	72,137	2,311	140,906
DE.....	3,380	1,036	38	5,665	1,142	3,757	2,434	24,779	430	42,661
DC.....	1,808	507	16	9,787	1,961	4,660	5,402	42,522	708	67,370
FL.....	26,604	13,254	120	158,036	32,412	61,788	41,976	608,672	13,082	955,945
GA.....	18,641	4,749	52	106,034	21,073	49,173	28,834	382,423	5,089	616,067
GU.....	10	0	0	1,885	681	1,715	516	14,522	4	19,334
HI.....	2,702	286	8	14,266	2,477	8,872	4,995	81,238	407	115,251
ID.....	2,126	126	148	13,961	855	8,725	4,778	39,511	965	71,195
IL.....	26,549	5,697	2,724	131,337	14,980	66,012	37,879	895,062	11,646	1,131,887
IN.....	11,067	1,388	338	53,661	5,151	31,637	22,043	226,466	4,490	356,244
IA.....	7,714	834	246	31,136	2,721	16,770	15,732	109,218	2,682	187,053
KS.....	16,582	458	314	28,601	1,688	13,828	12,798	96,447	1,857	172,572
KY.....	7,316	1,267	270	60,521	16,303	33,020	18,986	334,305	4,874	476,863
LA.....	15,253	4,483	80	103,829	20,130	43,094	35,178	549,421	7,736	779,205
ME.....	5,351	302	168	10,936	1,249	8,286	6,892	62,621	1,493	97,297
MD.....	12,284	1,661	365	36,981	6,608	20,244	13,916	202,720	4,602	300,837
MA.....	22,174	2,014	563	44,013	9,624	24,989	18,512	206,682	4,679	333,199
MI.....	27,741	3,999	1,342	82,409	6,272	54,702	52,613	663,492	10,515	903,084
MN.....	36,176	1,059	1,081	41,598	3,625	23,280	22,349	165,260	3,544	297,973
MS.....	15,822	4,172	18	75,503	17,515	30,401	15,899	351,694	5,900	516,924
MO.....	14,440	1,774	601	58,457	9,225	34,602	21,868	311,568	3,985	456,519
MT.....	3,711	223	58	9,540	876	5,975	7,211	40,646	879	69,120
NE.....	9,964	258	239	17,589	1,552	3,501	11,667	58,530	945	109,245
NV.....	1,537	61	68	7,816	1,713	5,668	3,896	40,988	707	62,454
NH.....	1,519	176	203	6,064	532	5,742	5,616	20,460	847	41,160
NJ.....	14,781	3,769	965	59,760	6,227	34,084	17,867	288,527	6,915	432,895
NM.....	9,938	4,486	23	30,327	4,844	13,399	10,417	117,183	1,568	192,185
NY.....	46,815	29,875	1,533	231,713	45,116	129,960	87,107	1,084,767	4,638	1,661,523
NC.....	15,562	3,319	139	90,487	22,841	49,506	25,358	282,316	4,550	494,078
ND.....	5,657	267	67	8,179	610	5,629	7,083	24,853	602	52,948
OH.....	21,982	3,012	1,124	109,025	20,150	65,146	33,599	861,367	10,998	1,126,401
OK.....	9,485	761	131	45,948	9,983	23,349	31,684	186,440	2,749	310,530
OR.....	8,273	909	255	26,094	3,165	16,013	10,600	167,541	1,714	234,566
Outlying Areas ^{3,4}	0	0	0	1,622	630	0	487	0	10	2,748
PA.....	21,437	8,077	763	101,607	10,543	63,986	39,326	660,914	10,796	917,450
PR ⁵	24	2,665	0	104,426	20,184	79,207	11,264	0	2,396	220,165
RI.....	2,002	815	105	7,428	898	5,970	2,705	42,029	595	62,547
SC.....	7,482	4,377	26	60,341	12,878	33,123	15,377	240,047	2,512	376,162
SD.....	2,621	662	56	11,742	1,826	7,064	11,105	34,762	877	70,715
TN.....	9,647	1,893	35	68,044	17,723	39,843	28,197	371,562	5,684	536,629
TX.....	52,673	6,871	102	304,378	81,722	115,510	73,144	1,428,804	19,056	2,082,259
UT.....	10,152	635	62	24,493	912	15,905	8,654	71,036	1,278	133,127
VT.....	2,301	52	181	4,169	361	5,590	2,750	22,156	0	37,560
VA.....	10,528	1,858	250	59,661	10,785	32,497	18,657	246,557	3,209	384,001
VI.....	357	197	3	2,816	39	2,785	491	18,355	168	25,211
WA.....	18,941	953	314	43,131	5,400	22,000	18,547	172,504	1,664	283,453
WV.....	3,842	538	21	28,726	9,704	13,774	8,422	192,310	2,821	260,153
WI.....	10,566	1,027	1,875	44,845	3,344	25,534	21,224	180,492	3,927	292,824
WY.....	2,321	137	19	5,205	363	3,537	2,834	20,647	514	35,577
Dept. of Defense.....	0	0	0	2,513	0	0	4,083	0	0	6,597
Total.....	719,502	145,144	19,048	3,213,982	596,222	1,636,853	1,090,298	14,108,311	208,844	21,738,203

¹ Preliminary. Excludes administrative costs. ² Includes distribution of entitlement and bonus commodities to School Lunch, Child and Adult Care, Summer Food Service, Charitable Institutions, Soup Kitchens and Food Banks, Summer Camps, Indian Reservations, Elderly Feeding, and Commodity Supplemental. Also includes cash-in-lieu of commodities for the School Lunch, Child and Adult Care, and Elderly Feeding Programs. ³ Excludes nutrition assistance grants of \$936.75 million to Puerto Rico and \$3.7 million to the Northern Marianas. ⁴ Includes the value of commodities provided under the Emergency Food Assistance Program. ⁵ Outlying Areas include the Commonwealth of the Northern Marianas and the former Trust Territories. ⁶ Excludes \$99.0 million for nonocupon issuance demonstration projects (primarily CA and WA).

Table 678.—Consumers' prices: Index number of prices paid for goods and services, United States, 1983-90¹

[1982-84=100]

Year	Food	Nonfood items					All items
		Apparel and upkeep	Housing		Transportation	Medical care	
			Total	Rent			
1983 ²	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
1988	118.2	115.4	118.5	133.6	108.7	138.6	118.3
1989	125.1	118.6	123.0	138.9	114.1	149.3	124.0
1990	132.4	124.1	128.5	146.7	120.5	162.8	130.7

¹ 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. ² 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 679.—Number of foodservice establishments, by industry segment, 1982-88

Industry segment	1982	1983	1984	1985	1986	1987	1988
	<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.....	122,851	123,642	124,433	125,502	125,237	124,983	125,042
Fast food outlets.....	117,119	120,444	123,769	124,809	125,032	126,619	127,930
Cafeterias.....	6,029	5,835	5,640	5,388	4,277	4,420	4,312
Total	300,999	249,939	253,842	255,699	254,546	256,022	257,284
Lodging places	24,448	23,855	23,262	22,613	24,593	25,413	26,252
Retail hosts.....	57,578	56,963	56,348	56,005	55,616	54,942	54,008
Recreation, entertainment	34,093	34,188	34,282	34,910	35,716	36,125	36,660
Separate drinking places.....	44,478	43,092	41,706	40,642	39,462	38,520	37,113
Commercial feeding total	410,155	408,030	409,453	409,869	409,873	411,022	411,317
Education:							
Elementary, secondary.....	91,300	90,600	89,600	89,424	88,824	88,414	89,692
Colleges, universities.....	3,280	3,284	3,288	3,299	3,312	3,443	3,511
Other education.....	2,966	2,975	3,000	3,076	3,120	3,185	3,240
Total	97,546	96,859	95,888	95,799	95,256	95,042	96,443
Plants, office buildings	15,414	15,409	15,846	15,963	16,006	16,814	17,250
Hospitals.....	6,915	6,888	6,861	6,835	6,810	6,796	6,772
Care facilities.....	26,817	27,875	28,933	29,711	30,599	31,218	31,945
Vending.....	3,608	3,582	3,556	3,535	3,507	3,480	3,453
Military services:							
Troop feeding.....	1,387	1,341	1,310	1,290	1,250	1,222	1,217
Clubs, exchanges.....	2,431	2,420	2,042	1,980	1,940	1,913	1,904
Total	3,818	3,761	3,352	3,270	3,190	3,135	3,121
Transportation	664	644	642	640	626	607	594
Associations.....	19,272	19,333	19,394	19,450	19,333	19,200	19,070
Correctional facilities.....	7,031	7,085	7,164	7,204	7,232	7,255	7,282
Child day care centers.....	70,679	78,800	84,175	88,410	91,645	94,819	96,918
Elderly feeding programs.....	13,246	13,993	14,035	14,068	19,167	19,605	20,000
Other.....	16,159	16,479	16,799	17,101	17,389	17,681	17,767
Noncommercial feeding total	281,169	290,788	296,645	301,986	310,760	315,652	320,615
Grand total	691,324	698,738	706,098	711,855	720,633	726,674	731,932

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Table 680.—Foodservice sales, by industry segment, 1983-90

Industry segment	1983	1984	1985	1986	1987	1988	1989	1990
	<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>
Commercial:								
Separate eating places:								
Restaurants and lunchrooms.....	43,542	46,934	47,740	53,027	57,698	60,839	63,092	65,419
Fast food outlets.....	40,110	42,805	46,446	49,852	57,578	64,981	68,819	72,680
Cafeterias.....	2,878	3,102	3,195	3,505	3,294	3,473	3,601	3,734
Social caterers.....	718	740	764	963	946	1,155	1,215	1,364
Total ¹	87,248	93,581	98,145	107,347	119,516	130,448	136,227	143,197
Lodging places.....	6,724	7,762	8,416	8,843	9,903	10,723	11,110	12,223
Retail hosts.....	4,700	5,123	5,485	6,027	6,069	7,051	7,447	7,717
Recreation and entertainment.....	3,075	3,288	3,524	3,830	4,272	4,716	5,086	5,437
Separate drinking places.....	1,111	1,197	1,329	1,475	1,546	1,629	1,669	1,670
Commercial feeding total ¹	102,858	110,951	116,899	127,522	141,306	154,567	161,539	170,244
Noncommercial:								
Education—								
Elementary and secondary.....	2,734	2,869	3,059	3,386	3,761	8,220	8,734	9,117
Colleges and universities.....	4,918	5,272	5,659	6,184	6,856	7,414	8,025	8,624
Total ¹	7,652	8,141	8,718	9,570	10,617	15,634	16,759	17,741
Military services—								
Troop feeding.....	1,212	1,152	1,096	1,066	1,060	1,070	1,108	1,122
Clubs and exchanges.....	546	601	617	630	640	665	680	710
Total.....	1,758	1,753	1,713	1,696	1,700	1,735	1,788	1,832
Plants and office buildings.....	3,109	3,472	3,674	3,966	4,254	4,587	4,818	5,006
Hospitals.....	3,832	3,780	3,515	3,494	3,528	3,576	3,726	4,148
Extended care facilities.....	2,757	2,963	2,844	2,954	3,086	6,490	6,994	7,830
Vending.....	4,885	4,930	4,727	4,770	5,276	5,610	5,713	6,022
Transportation.....	2,181	2,500	2,703	3,100	3,586	3,976	4,225	4,425
Associations.....	1,257	1,342	1,427	1,488	1,610	1,709	1,846	1,977
Correctional facilities.....	1,442	1,590	1,700	1,880	2,046	2,254	2,626	3,002
Child day care centers.....	3,820	4,134	4,373	4,682	5,057	1,135	1,324	1,506
Elderly feeding programs.....	102	105	107	117	116	147	309	913
Other.....	329	393	373	469	451	242	271	317
Noncommercial feeding total ¹	33,124	35,103	35,874	38,186	41,327	47,095	50,399	54,719
Total ¹	135,982	146,054	152,773	165,708	182,633	201,667	211,938	224,963

¹ Excludes sales tax and tips.Economic Research Service, *Food Marketing Review*, 1989-90. AER No. 639.

FOOTNOTES FOR TABLE 672

¹ Quantity in pounds, retail weight unless otherwise shown. Data on calendar year basis except fresh citrus fruits, apples, grapes, pears, peanuts, and rice which are on a crop-year basis. ² Preliminary. ³ Boneless, trimmed weight, or edible weight. ⁴ Excludes shipments to U.S. territories. ⁵ Total may not add because of rounding. ⁶ Fluid milk figures are aggregates of commercial sales and milk produced and consumed on farms. ⁷ Natural equivalent of cheese and cheese products. ⁸ Farm weight. ⁹ Artichokes, asparagus, broccoli, cabbage, carrots, cauliflower, celery, cucumbers, eggplant, garlic, green beans, green peppers, lettuce, onions, snap beans, and tomatoes. ¹⁰ Asparagus, broccoli, carrots, cauliflower, cucumbers for pickles, green peas, snap beans, and sweet corn (on-cob basis). ¹¹ Asparagus, broccoli, carrots, cauliflower, cucumbers for pickles, green peas, snap beans, sweet corn (on-cob basis), and tomatoes. ¹² Factors for converting farm weight to retail weight are 0.96 for fresh and 0.50 for freezing. ¹³ White, whole wheat, semolina, and durum flour. ¹⁴ High fructose, glucose, and dextrose. ¹⁵ Chocolate liquor is what remains after cocoa beans have been roasted and hulled; it is sometimes called ground or bitter chocolate.

Economic Research Service (ERS). Historical consumption and supply-utilization data for food may be found in Food Consumption, Prices, and Expenditures, 1968-89, SB-825, ERS, USDA, May 1991.

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 fibers, raw hides and skins, fats and oils, beer, 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 681.—Foreign trade: Value of total agricultural exports and imports, United States, fiscal years 1976-90

Year ending Sept. 30 ¹	Agricultural exports ²		Total imports for consump- tion	Agricultural imports (for consumption) ³					Excess of domestic agricul- tural exports over competi- tive imports	
	Total domestic exports	Domes- tic		Percent- age (domes- tic) of total exports	Total	Competi- tive	Noncom- petitive	Competitive		
								Percent- age of total agricul- tural exports		Percent- age of total agricul- tural imports
	Million dollars	Million dollars	Percent	Million dollars	Million dollars	Million dollars	Million dollars	Percent	Percent	Million dollars
1976.....	109,389	22,147	20	105,883	10,107	6,279	4,213	28	62	15,868
(*).....	(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	13,886	7,314	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	240,866	17,276	9,924	7,351	25	57	30,557
1981.....	229,203	43,780	19	254,687	17,218	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	333,462	19,740	12,959	6,781	42	66	18,242
1986.....	205,603	26,312	13	363,730	20,884	13,074	7,810	50	63	13,238
1987.....	230,787	27,876	12	388,024	20,650	13,864	6,786	50	67	14,012
1988.....	293,972	35,316	12	430,152	21,014	14,541	6,473	41	69	20,775
1989.....	340,859	39,611	12	462,551	21,476	15,238	6,238	38	71	24,373
1990 ⁵	366,279	40,203	11	480,661	22,561	16,977	5,584	42	75	23,226

¹ Fiscal years July 1-June 30 for 1976; Oct. 1-Sept. 30 for 1977-1990. ² Includes food exported for relief or charity by individuals and private agencies. ³ 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. ⁴ Transition quarter July 1, 1976 to September 30, 1976. ⁵ Preliminary.

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

Table 682.—Agricultural exports: Quantity Indexes, United States, fiscal years 1979-90

(Calendar year 1977=100)

Year ending Sept. 30 ¹	Total agricul- tural ex- ports ²	Anim- als and animal prod- ucts	Meat and meat prod- ucts ³	Animal fats ³	Dairy prod- ucts ³	Poultry and poultry prod- ucts ³	Cotton and linters	Tobacco un- man- ufactured	Grains and feeds	Vegeta- ble oils and oil- seeds	Fruits and vegeta- bles
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	102	99	498	112	142	80	134	116	124
1985.....	112	122	105	87	513	117	124	90	115	102	112
1986.....	103	130	111	96	566	133	49	79	92	120	111
1987.....	119	138	134	87	515	188	126	79	110	127	127
1988.....	131	141	155	97	404	198	135	80	132	130	147
1989.....	126	158	213	98	273	208	141	73	139	94	149
1990 ⁴	130	151	215	90	147	275	161	76	134	106	177

¹ Fiscal years, Oct. 1-Sept. 30. ² Based on 92 percent of total value of U.S. agricultural exports in 1977. ³ Included in "Animals and animal products." ⁴ Preliminary.

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

Table 683.—Agricultural imports: Quantity indexes, United States, fiscal years 1979-90

[Calendar year 1977=100]

Year ending Sept. 30 ¹	Total agricultural imports ²	Non-competitive imports ³	Competitive imports ³	Animals and animal products	Dairy products ⁴	Hides and skins ⁴	Meat and meat products ⁴	Wool excluding free in bond ⁴	Grains and feeds	Vegetable oils and oil-seeds	Sugar cane or beet	Tobacco unmanufactured
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.....	126	128	122	153	125	104	162	218	245	129	28	157
1988.....	119	120	118	151	125	71	162	218	255	148	21	151
1989.....	121	125	114	134	125	95	138	232	290	151	32	119
1990 ⁵	136	144	123	146	149	96	145	168	298	167	34	135

See footnotes on page 488.

Table 684.—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, 1989¹

Commodity	Public Law 480				Foreign donations section 416 ⁴	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 ⁵	All
	Local currency ²	Long-term credit sales ³	Government to government and World Food Program	Voluntary agencies					
Baby chicks.....						0.5	0.5	68.4	68.9
Cattle-beef, breeding males.....						.1	.1	15.2	15.3
Cattle-dairy, breeding females.....						.1	.1	44.9	45.0
Cheese.....						.1	.1	29.1	29.2
Shell eggs for hatching.....						(⁶)	(⁶)	46.1	46.1
Milk, nonfat dry.....			0.3	0.2			5	144.8	145.3
Wheat.....	18.7	361.1	80.0	45.1	21.3	128.3	654.5	5,349.0	6,003.5
Wheat flour.....		75.9	4.5	18.7		3.7	102.8	152.1	254.9
Bulgur wheat.....			6.0	39.7			45.7	-36.6	9.1
Rice.....		68.6	33.9	15.8			118.3	836.5	954.8
Corn.....		16.0	13.3	2.6	55.7	27.9	115.5	5,993.5	6,109.0
Grain sorghums.....			3.6	.1	30.4		34.1	885.8	919.9
Cornmeal.....			5.1	11.3			16.4	10.3	26.7
Cornstarch, including milo.....						(⁶)	(⁶)	31.7	31.7
Corn-soya-milk.....			1.4	60.0			61.4	-3.8	57.6
Wheat-flour-soya.....			2.3	4.3			6.6	2.1	8.7
Edible preparations, n.e.c.....			.1				.1	14.3	14.4
Soya-sorghum-grits.....			.5	.8			1.3	138.9	140.2
Soybeans.....						10.3	10.3	4,078.6	4,088.9
Sunflower seed.....						1.0	1.0	44.9	45.9
Oil, soybean.....		148.7	36.5	50.5			235.7	168.7	404.4
Oilcake and meal, soybean.....						3.1	3.1	1,328.9	1,332.0
Soy flour (defatted).....			.1	1.1			1.2	19.5	20.7
Tallow, inedible.....		18.5				6.1	24.6	381.3	405.9
Animal fats, oils, n.e.c.....						(⁶)	(⁶)	9.1	9.1
Baking/frying fats.....						.2	.2	14.4	14.6
Seeds.....						3.0	3.0	503.6	506.6
Poultry feed.....						.5	.5	141.9	142.4
Livestock feed.....						.1	.1	88.1	88.2
Beans, dried.....			2.3	5.0			7.3	199.2	206.5
Peas, dried.....			2.6	2.8			5.4	32.9	38.3
Lentils, dried.....			11.3	7.2			18.5	5.5	24.0
Leguminous vegetables n.s.p.f., dried.....						(⁶)	(⁶)	3.2	3.2
Tobacco, unmanufactured.....						1.9	1.9	1,272.0	1,273.9
Cotton, excluding linters.....		14.5					14.5	2,025.2	2,039.7
Other.....								14,127.5	14,127.5
Total ⁷	18.7	703.3	203.8	265.2	107.4	186.9	1,485.3	38,166.8	39,652.1

See footnotes at end of table 685.

Table 685.—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, 1988 ¹

Commodity	Public Law 480				Foreign donations section 416 ⁴	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 ⁵	All
	Local currency ²	Long-term credit sales ³	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	
Baby chicks.....						0.2	8.2	8.4	
Cattle-beef, breeding males.....						(⁶)	(⁶)	19.2	
Cattle-dairy, breeding females.....						.6	42.4	43.0	
Butter.....			(⁶)				(⁶)	6.8	
Cheese.....			0.1		0.6		.7	45.4	
Anhydrous milk fat.....					8.8		8.8	-4.9	
Milk, nonfat dry.....			3.2	8.2	4.7		16.1	212.7	
Wheat.....	13.4	333.9	46.2	39.3	154.6	32.1	619.5	3,849.6	
Wheat flour.....		69.5	8.5	16.4	2.2		96.6	73.8	
Bulgur wheat.....			13.5	35.4	.1		49.0	-22.5	
Rice.....		48.0	43.3	3.9	8.1	.1	103.3	628.1	
Corn.....	2.2	24.6	9.4	1.9	77.6	2.4	118.1	4,205.7	
Grain sorghums.....			6.2	.3	19.9		26.4	538.1	
Oats, rolled.....			1.0	1.2			2.2	-4	
Cornmeal.....			4.8	5.0			9.8	9.1	
Cornstarch, including milo.....							(⁶)	(⁶)	
Corn-soya-milk.....			17.3	39.8			57.1	-4.5	
Edible preparations, n.e.c.....			.8	1.6		.2	2.6	15.7	
Soya-sorghum-grits.....			2.4	.9			3.3	148.5	
Soybeans.....	2.8				2.5	.1	5.4	5,060.2	
Sunflower seed.....						.5	5	85.4	
Oil, soybean.....	15.0	145.6	60.1	66.7		1.0	288.4	148.4	
Oil, corn.....						.2	2	102.0	
Oilcake and meal, soybean.....		13.5				7.5	21.0	1,448.8	
Soy flour (defatted).....				6			.6	3.8	
Tallow, inedible.....		14.8				9.4	24.2	432.5	
Seeds.....						29.9	29.9	384.6	
Poultry feed.....						.3	.3	120.8	
Feeds and fodders.....						1.1	1.1	1,719.1	
Beans, dried.....			17.9	2.5			20.4	132.3	
Peas, dried.....			.9	.2			1.1	39.8	
Lentils, dried.....			4	3.5			3.9	10.6	
Other vegetable products.....						(⁶)	(⁶)	18.5	
Sugar syrup.....						.6	.6	21.1	
Cotton, excluding linters.....		10.0					10.0	2,125.7	
Other.....								12,203.6	
Total ⁷	33.4	659.9	236.0	227.4	279.1	86.2	1,521.9	33,856.8	

¹ Preliminary. ² Authorized by the Food Security Act of 1985. ³ Includes long-term dollar and convertible foreign currency credit sales. ⁴ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Adjustment Act of 1984 and the Food Security Act of 1985. ⁵ "Agricultural exports outside specified 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 through the Commodity Credit Corporation. Negative quantity due to adjustments for prior periods, reporting lags or classification differences. ⁶ Less than \$50,000. ⁷ Totals may not add due to rounding.

Economic Research Service

FOOTNOTES FOR TABLE 683

¹ Fiscal years Oct. 1-Sept. 30 for 1979-90. ² Based on 86 percent of total value of U.S. agricultural imports in 1977. ³ 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. ⁴ Included in "Animals and animal products." ⁵ Preliminary.

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

Table 686.—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 1988 and 1989 ¹

Country	Cotton	Feed grains	Rice	Oilseeds/meal	Tallow	Veg. oil	Wheat and flour	Total
1988 (year ending Sept. 30, 1988)								
	<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	10,000		15,000			10,000	25,000	60,000
Bolivia							20,000	20,000
Dominican Republic						15,000	5,000	20,000
Egypt						26,000	153,700	179,700
El Salvador		2,000		8,600	8,800	9,600	12,500	41,500
Ghana		2,000	4,000					6,000
Guatemala						4,100	13,900	18,000
Guyana							6,300	6,300
Honduras							12,000	12,000
Indonesia							15,000	15,000
Jamaica		12,600	2,800	2,800			16,800	35,000
Kenya							10,000	10,000
Morocco						16,000	20,000	36,000
Pakistan						80,000		80,000
Peru		5,000					10,000	15,000
Philippines			30,000					30,000
Senegal			5,000					5,000
Sierra Leone			3,000				1,000	4,000
Somalia	1,000							1,000
Sri Lanka							26,000	26,000
Sudan							29,400	29,400
Tunisia		5,000		4,900			20,000	29,900
Uganda					4,000			4,000
Yemen			5,000				5,000	10,000
Zaire	2,000						11,000	13,000
Zambia					2,000	4,000	4,000	10,000
Total	13,000	26,600	64,800	16,300	14,800	164,700	417,200	717,400
1989 (year ending Sept. 30, 1989)								
	<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	12,000		10,000				58,000	80,000
Bolivia							17,000	17,000
Costa Rica							15,000	15,000
Cote D'Ivoire			5,000					5,000
Dominican Republic					5,400			5,400
Egypt					17,000	160,000		177,000
El Salvador		3,000		10,000	11,000	16,000		40,000
Ghana			2,500		3,500			6,000
Guatemala						18,000		18,000
Guyana						7,000		7,000
Honduras						18,000		18,000
Indonesia			15,000					15,000
Jamaica		9,000	8,000				2,400	37,100
Kenya						5,000		5,000
Morocco					25,000	19,000		44,000
Pakistan					80,000			80,000
Peru			5,000			10,000		15,000
Senegal			5,000					5,000
Sierra Leone			3,000			1,000		4,000
Sri Lanka						36,000		36,000
Sudan						23,500		23,500
Tunisia		9,600				15,400		25,000
Uganda				6,000				6,000
Yemen			10,000					10,000
Zaire	5,000		17,000			9,000		31,000
Zambia				2,500	4,000	3,500		10,000
Total	17,000	21,600	80,500	18,500	145,900	449,100	2,400	785,000

FAS—Program Analysis Division, Export Credits.

Table 687.—U.S. agricultural exports: Value under specified Government-financed programs, commercial exports with and without assistance, and total, fiscal years 1985-90 ¹

Type of export	1985	1986	1987	1988 ²	1989 ²	1990 ²
	<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:						
Local currency sales.....	0	0	18	33	19	
Long-term dollar and convertible foreign currency credit sales.....	928	766	677	660	703	
Government-to-government and World Food Program donations.....	395	179	125	236	204	
Donations through voluntary agencies.....	304	241	123	227	265	
Foreign donations, section 416 ³	279	147	133	279	107	
Foreign Assistance Act of 1961, as amended (AID).....	90	129	60	86	187	
Total agricultural exports under specified Government programs ⁴	1,996	1,462	1,137	1,522	1,485	
	<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.....	26.4	22.4	24.0	30.2	33.2	
With assistance ⁵	2.8	2.4	2.7	3.7	5.0	
Total commercial exports.....	29.2	24.8	26.7	33.9	38.2	
Total exports ⁴	31.2	26.3	27.9	35.3	39.7	

¹ Fiscal years Oct. 1-Sept. 30 for 1985-90. ² Preliminary. ³ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Adjustment Act of 1984 and the Food Security Act of 1985. ⁴ Totals may not add due to rounding. ⁵ Shipments under export credit and guarantee programs (GSM-5, GSM-101, GSM-102, GMS-103, and blended credit).

Economic Research Service.

Table 688.—Foreign trade in agricultural products: Value of exports by principal groups, United States, fiscal years 1986-90 ¹

Product	1986	1987	1988	1989	1990 ²
	<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>
All commodities.....	205,602,600	230,787,000	293,972,100	340,859,300	366,279,100
Nonagricultural commodities.....	179,290,724	202,910,993	258,656,320	301,248,563	326,075,649
Agricultural commodities.....	26,311,876	27,876,007	35,315,780	39,610,737	40,203,451
Animals and animal products ³	4,356,331	5,014,215	6,057,150	6,535,442	6,587,146
Animals, live excluding poultry.....	344,279	330,569	452,073	474,707	360,777
Cattle.....	120,992	98,861	166,995	152,104	88,821
Other.....	223,287	231,708	285,077	322,602	271,956
Dairy products.....	490,986	490,606	535,503	474,733	358,037
Butter and anhydrous milkfat.....	40,151	17,674	10,745	31,877	108,931
Cheese and curd.....	26,216	31,862	46,096	29,231	35,775
Milk, condensed, or evaporated.....	5,677	2,161	3,529	20,775	3,427
Milk, nonfat dry.....	220,962	221,011	228,775	153,202	33,381
Other.....	137,980	217,897	246,359	239,648	176,523
Fats, oils and greases.....	476,518	416,785	544,632	530,775	458,847
Lard and other rendered pig fat.....	25,480	22,462	26,738	29,508	22,447
Tallow, inedible.....	411,591	355,333	456,736	405,857	343,769
Other.....	39,447	38,991	61,159	95,410	92,630
Meats and meat preparations.....	1,012,383	1,299,643	1,796,553	2,355,539	2,456,680
Beef and veal, except offals.....	539,055	734,079	1,008,764	1,420,920	1,494,971
Pork, except offals.....	80,757	104,852	228,166	304,993	340,553
Offals, edible, variety meats.....	326,178	355,026	410,687	422,999	369,286
Other.....	66,393	105,686	148,937	206,627	251,869
Poultry and poultry products.....	455,308	594,334	647,405	721,246	877,478
Poultry, live:					
Breeding chicks.....	44,052	56,390	68,040	63,109	75,626
Baby chicks, excluding breeding.....	3,868	5,832	8,400	5,764	4,710
Other.....	4,840	10,339	6,827	11,118	16,037
Poultry meat; fresh, frozen:					
Chickens.....	239,795	361,194	365,644	433,063	539,163
Turkeys.....	14,013	15,712	24,712	23,992	27,563
Other.....	15,264	15,854	16,179	16,436	15,078
Eggs.....	75,275	79,884	109,901	100,968	96,146
Other.....	58,201	49,123	47,702	66,796	103,157
Hides and skins, including furskins.....	1,443,233	1,665,557	1,836,780	1,712,990	1,795,546
Cattle hides, whole.....	1,134,435	1,253,731	1,458,369	1,360,116	1,365,138
Furskins.....	194,837	282,141	210,515	146,636	163,443
Other.....	113,960	129,685	167,896	206,238	266,966
Other animal products.....	193,624	216,721	244,204	265,452	279,781
Hair, animal, excluding wool or fine hair.....	3,876	3,372	3,904	3,323	2,711
Sausage casings.....	17,824	22,559	29,668	29,332	33,125
Wool, unmanufactured, including fine hair.....	45,134	55,330	41,382	39,969	31,156
Other.....	126,790	135,460	169,250	192,828	212,789
Vegetable products ³	21,955,547	22,861,792	29,258,630	33,075,295	33,616,305
Cotton, unmanufactured.....	691,863	1,429,361	2,150,111	2,059,389	2,719,485
Cotton, raw.....	677,570	1,419,322	2,135,657	2,039,708	2,703,729
Linters.....	14,293	10,039	14,454	19,681	15,756
Fruits and preparations.....	1,237,000	1,466,229	1,714,084	1,800,329	2,188,109
Canned.....	60,988	64,948	79,099	80,213	85,884
Dried.....	192,513	230,985	263,835	262,045	305,926
Fresh.....	803,408	935,965	1,065,708	1,110,733	1,363,196
Fruit juices.....	148,394	185,093	252,161	264,539	328,180
Other.....	31,698	49,237	53,281	82,799	104,923
Nuts and preparations.....	677,484	768,596	906,408	857,793	929,383
Grains and feeds.....	9,472,202	9,058,692	12,574,903	16,830,164	15,696,596
Feed grains and products.....	3,817,267	3,752,193	5,193,167	7,376,803	8,094,417
Feed grains.....	3,743,512	3,684,447	5,116,287	7,246,869	7,962,307
Barley.....	62,891	242,436	226,428	211,429	218,248
Corn.....	3,291,341	3,047,536	4,323,848	6,109,447	6,931,295
Grain sorghum.....	385,733	391,342	564,496	913,204	810,747
Oats.....	2,799	1,769	822	1,474	1,506
Rye.....	749	1,364	693	11,315	511
Other.....	73,755	67,746	76,880	129,934	132,110
Rice.....	647,507	550,536	733,984	954,844	829,692
Wheat and products.....	3,546,840	3,115,629	4,677,190	6,285,195	4,430,230
Wheat.....	3,259,669	2,877,010	4,471,190	6,010,305	4,209,084
Wheat flour.....	203,444	206,660	170,388	254,940	202,950
Other wheat products.....	83,727	31,959	35,612	19,950	18,196
Blended food products.....	56,966	38,118	55,676	66,256	81,395
Other.....	117,179	147,200	194,004	297,746	433,798
Feeds and fodders, excluding oilcake and meal.....	1,286,443	1,455,015	1,720,882	1,849,320	1,827,064
Corn byproducts.....	729,434	783,104	845,956	786,908	773,417
Alfalfa meal and cubes.....	84,392	87,546	91,410	80,865	86,642
Other.....	472,618	584,364	783,517	981,547	962,006

See footnotes at end of table.

Table 688.—Foreign trade in agricultural products: Value of exports by principal groups, United States, fiscal years 1986-90¹—Continued

Product	1986	1987	1988	1989	1990 ²
	<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>
Vegetable products—Continued					
Oilseeds and products.....	6,271,300	6,307,703	7,691,652	6,628,890	6,099,116
Oilseed cake and meal.....	1,131,873	1,346,948	1,500,175	1,358,411	1,024,286
Soybean oilseed cake and meal.....	1,113,189	1,324,668	1,469,131	1,332,242	995,720
Other.....	18,684	22,280	31,044	26,170	28,566
Oilseeds.....	4,393,905	4,422,520	5,229,847	4,362,958	4,244,834
Soybeans.....	4,173,624	4,205,275	5,000,087	4,085,412	3,940,192
Other.....	166,036	153,908	147,660	174,717	170,286
Protein substances.....	54,245	63,337	82,099	102,829	134,355
Vegetable oils and waxes.....	745,522	538,236	961,630	907,521	829,995
Soybean oil.....	291,755	222,947	436,813	404,369	339,002
Other.....	453,767	315,289	524,817	503,152	490,993
Tobacco, unmanufactured.....	1,317,510	1,203,139	1,297,054	1,248,719	1,359,233
Flue-cured.....	813,001	747,750	813,557	722,561	819,588
Other.....	504,509	455,389	483,497	526,157	539,645
Vegetable and preparations.....	996,752	1,175,840	1,280,487	1,542,280	2,078,801
Canned.....	100,665	107,910	138,205	146,631	170,795
Pulses.....	200,075	267,607	208,135	268,698	319,501
Fresh.....	226,791	252,288	310,642	341,054	579,574
Hops, including extract.....	51,781	54,737	62,081	76,185	85,064
Other.....	417,440	493,299	561,424	709,712	923,868
Essential oils.....	104,924	110,784	120,043	171,367	182,474
Seeds, except oilseeds.....	366,512	371,111	412,527	498,945	574,430
Other vegetable products.....	820,000	970,337	1,111,361	1,437,419	1,788,678

¹ Fiscal years, Oct. 1-Sept. 30. ² Preliminary. ³ Totals may not add due to rounding.
Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 689.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 1986-90¹

Product	1986	1987	1988	1989	1990 ²
	<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>
All commodities.....	363,729,900	388,024,300	430,152,000	462,551,400	480,661,000
Nonagricultural commodities.....	342,845,533	367,374,402	409,137,634	441,075,558	458,100,229
Agricultural commodities.....	20,884,367	20,649,898	21,014,366	21,475,842	22,560,971
Competitive ³	13,074,376	13,863,763	14,541,303	15,237,775	16,976,696
Animals and animal products.....	4,281,800	5,049,786	5,233,211	4,886,470	5,544,666
Animals, live, excluding poultry.....	636,995	609,666	729,340	739,628	1,053,494
Cattle, dutiable.....	386,021	457,199	594,589	562,595	897,068
Meats and meat products.....	2,248,493	2,797,057	2,788,388	2,431,825	2,848,150
Meats, P.L. 88-482.....	1,085,022	1,365,030	1,482,826	1,355,292	1,636,528
Meats, fresh, frozen.....	1,573,560	2,015,034	2,061,855	1,830,869	2,169,595
Beef and veal.....	1,082,461	1,361,139	1,476,510	1,347,038	1,629,023
Pork.....	425,380	596,029	515,619	399,151	473,043
Mutton, goat, and lamb.....	36,307	30,893	37,736	41,254	38,802
Meats, prepared, preserved.....	644,638	743,888	691,206	557,838	628,698
Beef and veal.....	169,988	213,612	204,050	178,388	213,345
Pork.....	474,144	529,363	485,244	378,734	415,353
Mutton, goat, and lamb.....	506	913	1,912	716	0
Poultry and products.....	101,082	112,232	97,369	129,875	129,184
Dairy products.....	786,706	848,778	880,794	833,933	951,444
Nonfat dry milk.....	1,029	1,133	1,460	1,317	2,140
Cheese.....	386,272	396,775	375,436	364,637	439,983
Casein and mixtures.....	197,322	230,214	296,013	351,148	426,880
Fats, oils and greases.....	16,862	17,876	19,303	14,247	14,680
Hides and skins.....	198,411	303,903	247,085	240,945	182,246
Sheep and lamb skins.....	27,277	36,470	41,790	39,291	33,520
Furskins.....	132,905	231,080	148,034	137,870	87,079
Wool, unmanufactured excluding free.....	123,315	152,668	244,752	262,319	144,791
Sausage casings.....	50,820	58,891	66,323	70,533	53,020
Other animal products.....	119,116	148,715	159,857	163,166	167,656
Vegetable products.....	8,792,576	8,813,977	9,308,092	10,351,305	11,432,030
Grains and feeds.....	670,067	727,466	867,909	1,138,821	1,180,815
Wheat, excluding seed, edible.....	25,142	35,298	51,811	50,753	70,021
Barley.....	17,765	13,154	21,135	42,901	37,525
Biscuits, wafers.....	244,871	271,340	273,796	315,412	342,098
Feeds and fodders.....	115,293	118,287	159,619	218,237	256,626

See footnotes at end of table.

Table 689.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 1986–90¹—Continued

Product	1986	1987	1988	1989	1990 ²
Competitive ³ —Continued	1,000	1,000	1,000	1,000	1,000
Vegetable products—Continued	dollars	dollars	dollars	dollars	dollars
Fruits and preparations.....	1,550,209	1,709,533	1,780,741	1,875,270	2,206,417
Fresh or frozen.....	508,316	626,547	658,770	679,351	784,374
Strawberries.....	24,859	43,589	35,366	34,914	45,252
Prepared or preserved.....	346,933	354,957	354,211	406,458	420,678
Pineapples.....	162,552	150,085	151,850	169,586	169,672
Fruit juices.....	694,960	728,030	767,760	792,460	1,001,364
Nuts and preparations.....	381,809	380,293	335,693	332,548	355,785
Vegetables and preparations.....	1,558,922	1,508,766	1,593,092	1,959,204	2,263,873
Fresh or frozen.....	798,260	691,088	725,208	918,722	1,216,919
Tomatoes.....	323,766	175,384	164,448	212,151	391,251
Prepared or preserved.....	760,662	817,678	867,884	1,040,483	1,046,954
Olives.....	101,117	110,062	129,546	136,593	139,022
Mushrooms, canned.....	120,925	136,953	118,834	126,870	115,375
Hops and extract.....	49,498	35,219	26,799	24,780	35,260
Sugar and related products.....	1,002,217	761,933	625,123	948,989	1,119,130
Sugar, cane, and beet.....	654,243	497,381	371,532	620,442	734,498
Molasses, inedible.....	83,797	72,223	71,247	60,689	73,462
Confectionery products.....	104,413	70,989	62,495	146,052	191,560
Spices.....	28,177	27,861	31,219	37,651	29,179
Tobacco, unmanufactured.....	605,573	634,214	610,806	520,582	588,292
Tobacco, filler.....	554,528	586,699	569,972	500,991	570,305
Tobacco, scrap.....	29,102	25,176	17,731	7,321	6,805
Beverages, excluding fruit juices.....	1,848,203	1,923,156	2,008,473	1,814,787	1,866,769
Wine.....	1,018,566	953,194	976,281	896,201	920,918
Malt beverages.....	763,466	855,350	940,371	854,680	888,377
Oilseeds and products.....	641,241	579,330	838,174	945,565	964,285
Oilseeds and oilnuts.....	69,143	56,341	71,444	159,395	205,800
Flaxseed.....	12,590	8,621	15,897	58,002	36,282
Sesame seed.....	26,102	26,401	27,635	36,031	56,104
Oils and waxes—vegetables.....	557,447	493,013	724,702	720,923	710,016
Castor oil.....	18,583	26,723	24,965	33,297	36,309
Coconut oil.....	211,941	153,894	231,301	175,748	190,807
Olive oil.....	71,223	101,087	123,191	151,622	183,758
Palm oil.....	106,939	56,280	95,989	52,074	30,234
Palm kernel oil.....	70,183	58,665	103,196	96,507	68,501
Cotton, excluding linters.....	7,991	700	482	3,402	566
Cotton linters.....	6,016	6,357	8,362	4,478	19,237
Seeds, field and garden.....	111,539	155,551	153,009	187,344	163,619
Nursery stock.....	352,833	369,412	418,631	465,972	518,939
Other vegetable products.....	27,778	29,404	36,378	113,689	155,123
Noncompetitive ³	7,809,991	6,786,136	6,473,063	6,238,067	5,584,275
Bananas, fresh.....	703,016	770,456	767,725	795,277	867,101
Plantains, fresh.....	24,715	28,568	32,525	36,586	42,577
Coffee, green.....	4,153,154	3,027,001	2,413,689	2,289,327	1,854,496
Coffee, roasted.....	62,794	48,920	63,741	64,389	45,841
Coffee, soluble, extracts.....	186,080	157,214	152,249	112,283	96,704
Cocoa beans.....	446,821	412,676	497,622	420,504	368,132
Cocoa butter.....	319,245	334,002	353,869	196,858	255,997
Cocoa, cake, powder, etc.....	106,381	125,848	111,198	105,059	113,630
Chocolate preparations.....	292,967	202,745	192,799	243,399	302,659
Tea, crude or prepared.....	136,240	114,119	128,275	133,050	150,611
Spices.....	345,679	404,549	355,424	289,420	245,418
Pepper, unground, black.....	149,460	144,233	109,845	75,648	62,393
Vanilla beans.....	64,211	72,265	67,947	48,604	41,878
Other.....	132,008	188,051	177,632	165,168	141,147
Rubber, crude, natural:					
Rubber-latex.....	69,584	84,493	111,188	212,571	73,831
Rubber-dry form.....	535,569	612,150	821,117	824,686	627,489
Silk, raw.....	5,885	7,409	6,615	11,454	10,729
Wool, unmanufactured, duty-free.....	37,141	48,214	47,187	57,055	42,537
Fibers, excluding cotton, jute.....	23,870	22,790	25,087	42,326	45,082
Essential oils.....	112,082	115,256	141,525	137,850	149,547
Drugs, crude natural.....	182,566	204,035	222,526	222,707	262,491
Other.....	66,202	65,691	63,702	43,266	29,403

¹ Fiscal years, Oct. 1–Sept. 30. ² Preliminary. ³ 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 690.—Agricultural exports: Value of U.S. exports to the European Community, by commodity, fiscal years 1988/89 and 1989/90¹

Commodity	Value		Commodity	Value	
	1988/89	1989/90 ²		1988/89	1989/90 ²
	1,000 dollars	1,000 dollars		1,000 dollars	1,000 dollars
Total agricultural exports.....	6,518,565	6,878,188	Nonvariable levy commodities—Continued		
Variable-levy commodities.....	706,199	775,892	Fruits, fresh, noncitrus.....	54,968	66,561
Beef and veal.....	13,014	9,742	Apples, fresh.....	12,336	17,629
Pork.....	2,262	1,632	Grapes, fresh.....	8,970	10,525
Other meats—fresh or prepared.....	2,654	4,695	Other noncitrus, fresh.....	33,661	38,406
Poultry—live.....	6,930	8,312	Fruits, dried.....	113,012	140,853
Baby chicks.....	6,831	7,880	Raisins, dried.....	62,057	69,462
Poultry meats.....	14,676	24,220	Prunes, dried.....	48,675	67,514
Chickens—fresh or frozen.....	8,258	14,489	Other dried fruits.....	2,280	3,878
Turkeys—fresh or frozen.....	1,890	4,009	Fruits—canned excl. juice.....	10,159	11,643
Other poultry—fresh or frozen.....	3,555	4,088	Fruits—froz. excl. juice.....	5,582	6,978
Poultry meats—prepared or preserved.....	984	1,634	Other fruits—prep. or pres.....	12,315	15,085
Eggs.....	3,845	5,128	Fruit juices incl. frozen.....	39,553	44,435
Dairy products.....	28,948	20,934	Orange juice.....	27,694	32,602
Lard.....	11	6	Other fruit juices.....	11,859	11,832
Wheat, unmilled.....	130,954	118,799	Wine.....	27,449	36,091
Wheat, flour.....	1,485	279	Nuts and preparations.....	452,689	479,734
Other wheat products.....	1,010	338	Almonds (shelled basis).....	277,630	274,410
Rice-paddy, milled.....	140,539	107,499	Peanuts, shelled or preparations.....	88,243	98,830
Feed grains and products.....	294,354	405,301	Walnuts, shelled/unshelled.....	73,698	92,062
Feed grains.....	282,751	391,390	Vegetables and preparations.....	201,963	224,698
Barley.....	1,142	3,159	Vegetables—fresh.....	10,685	15,694
Corn.....	255,981	363,340	Vegetables—frozen.....	6,301	7,097
Grain sorghums.....	25,614	24,815	Vegetables—canned.....	27,630	34,590
Oats.....	13	0	Pulses.....	87,712	80,471
Rye.....	0	76	Dried beans.....	77,737	67,538
Blended food products.....	159	152	Dried peas.....	3,221	3,618
Other grain products.....	25,758	27,159	Dried lentils.....	6,755	9,314
Sugar.....	1,230	124	Hops, including hop extract.....	12,504	15,588
Related sugar products.....	25,417	27,637	Other veg.—prep. or pres.....	57,130	71,258
Chocolate and prep.....	1,891	978	Oilseeds and products.....	1,957,362	1,897,393
Nonvariable-levy commodities.....	5,812,366	6,102,295	Oilcake and meal.....	166,509	45,017
Animals live—excluding poultry.....	181,870	143,465	Soybean meal.....	149,673	24,553
Horses, mules, burros—live.....	176,375	137,559	Other oilcake and meal.....	16,835	20,464
Horsemeat—fr. chill, froz.....	106,101	124,893	Oilseeds.....	1,721,048	1,763,864
Variety meats, edible offals.....	42,599	20,350	Soybeans.....	1,618,777	1,640,757
Feathers and downs, crude.....	1,557	1,322	Sunflowerseeds.....	29,600	37,861
Tallow—inedible.....	59,255	50,535	Peanuts and oilstock.....	35,269	34,078
Other animal fats and oils.....	10,723	4,317	Other oilseeds.....	10,704	6,774
Hides and skins, incl. furs.....	137,248	166,638	Protein substances.....	26,698	44,393
Cattle hides, whole.....	54,491	94,493	Vegetable oils.....	69,805	88,512
Furskins.....	37,304	22,264	Soybean oil.....	551	40
Wool and mohair.....	28,731	21,717	Cottonseed oil.....	3,060	2,058
Sausage casings.....	7,642	6,687	Sunflower oil.....	3,948	27,320
Bull semen.....	23,525	31,196	Other vegetable oils and waxes.....	37,452	30,816
Misc. animal products—other.....	65,921	72,184	Tobacco—unmfg.....	483,925	587,390
Corn by-products.....	675,523	652,593	Cotton, excl. linters.....	264,745	454,866
Alfalfa meal and cubes.....	432	195	Cotton linters.....	7,642	4,691
Beet pulp.....	24,549	21,575	Essential oils.....	67,990	72,457
Citrus pulp pellets.....	82,531	50,492	Seeds—field and garden.....	138,482	216,221
Other feeds and fodders.....	316,230	293,066	Coffee.....	7,560	4,285
Fruits and prep, excluding juice.....	268,563	289,790	Cocoa.....	916	3,603
Fruits, fresh.....	127,544	115,231	Tea and mate.....	3,965	6,966
Fruits, fresh, citrus.....	72,576	48,670	Spices.....	4,718	3,937
Grapefruit, fresh.....	62,407	42,433	Flavoring sirups and extract.....	9,357	0
Lemons and limes, fresh.....	2,937	473	Rubber—crude natural.....	7,922	7,835
Oranges and tangerines, fresh.....	6,399	5,730	Fibers excl. cotton.....	1,340	704
Other citrus, fresh.....	833	34	Nursery and greenhouse products.....	45,590	49,484
			Beverages excl. juices.....	9,758	9,383
			Other miscellaneous vegetable products.....	46,441	47,609

¹ Fiscal years Oct. 1–Sept. 30.² Preliminary.

Economic Research Service.

Table 691.—U.S. agricultural exports: Value by country of destination, total and specified Government programs, fiscal years 1988–90 ¹

Country	1988			1989			1990		
	Total agricultural exports	Under specified Government-financed programs ²	Outside specified Government-financed programs ³	Total agricultural exports	Under specified Government-financed programs ²	Outside specified Government-financed programs ³	Total agricultural exports	Under specified Government-financed programs ²	Outside specified Government-financed programs ³
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Japan	7,273.7	0	7,273.7	8,151.9	0	8,151.9			
USSR	1,939.6	0	1,939.6	3,298.8	0	3,298.8			
Mexico	1,725.8	30.6	1,695.2	2,763.3	28.2	2,735.1			
South Korea	2,258.5	0	2,258.5	2,453.2	0	2,453.2			
Canada	1,972.7	0	1,972.7	2,182.0	0	2,182.0			
Netherlands	2,102.3	0	2,102.3	1,846.7	0	1,846.7			
China (Taiwan)	1,576.6	0	1,576.6	1,593.7	0	1,593.7			
China (Mainland)	612.6	0	612.6	1,496.1	0	1,496.1			
Egypt	786.2	211.5	574.7	954.7	228.7	726.0			
Germany, Fed. Rep. of	1,315.5	0	1,315.5	917.9	0	917.9			
Spain, incl. Canary Is	848.2	0	848.2	875.6	0	875.6			
Iraq	735.5	0	735.5	791.1	0	791.1			
United Kingdom	818.3	0	818.3	736.3	0	736.3			
Italy	713.4	0	713.4	609.2	0	609.2			
Pakistan	275.5	145.6	129.9	598.8	250.8	348.0			
Venezuela	596.8	0	596.8	587.5	0	587.5			
Hong Kong	488.2	0	488.2	575.4	0	575.4			
Algeria	536.8	0	536.8	548.8	0	548.8			
Saudi Arabia	463.8	0	463.8	481.9	0	481.9			
France	563.2	0	563.2	474.1	0	474.1			
Belgium-Luxembourg	428.9	0	428.9	431.2	0	431.2			
Philippines	344.9	78.5	266.4	343.6	16.2	327.4			
Israel	334.2	.3	333.9	330.4	.7	329.7			
Portugal	339.8	0	339.8	307.4	0	307.4			
India	354.0	140.1	213.9	242.9	123.8	119.1			
Dominican Republic	211.6	57.2	154.4	241.3	6.9	234.4			
Turkey	120.5	0	120.5	237.8	0	237.8			
Indonesia	245.5	19.2	226.3	216.0	34.1	181.9			
Morocco	193.0	57.4	135.6	215.7	62.1	153.6			
Bangladesh	107.2	65.9	41.3	212.8	90.0	122.8			
Ireland	140.9	0	140.9	176.3	0	176.3			
Jamaica	125.1	38.6	86.5	170.2	40.4	129.8			
Thailand	164.7	2.3	162.4	168.8	.7	168.1			
Switzerland	191.0	0	191.0	165.9	0	165.9			
Singapore	143.3	0	143.3	158.4	0	158.4			
Australia	144.8	0	144.8	155.7	0	155.7			
Brazil	175.7	2.1	173.6	148.8	1.2	147.6			
Bulgaria	98.3	0	98.3	147.5	0	147.5			
Sweden	133.6	0	133.6	147.3	0	147.3			
Jordan	57.9	.8	57.1	141.7	10.5	131.2			
Colombia	178.0	10.5	167.5	139.2	.1	139.1			
Ecuador	93.4	9.8	83.6	135.8	1.2	134.6			
Haiti	94.7	6.6	88.1	116.3	21.4	94.9			
Bahamas	114.6	0	114.6	109.6	0	109.6			
Sri Lanka	67.3	29.1	38.2	103.4	39.3	64.1			
El Salvador	108.0	61.1	46.9	99.6	54.1	45.5			
Denmark	123.9	0	123.9	97.1	0	97.1			
Norway	92.8	0	92.8	96.7	0	96.7			
Costa Rica	70.2	5.0	65.2	95.5	15.1	80.4			
Greece	141.4	0	141.4	92.8	0	92.8			
Other countries	2,636.3	549.7	2,086.6	2,269.4	459.8	1,809.6			
Total	35,378.7	1,521.9	33,856.8	39,652.1	1,485.3	38,166.8			

¹ Fiscal years, Oct. 1–Sept. 30. ² Includes Title I local currency cash and 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). 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. ³ "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 through the Commodity Credit Corporation.

Table 692.—Agricultural imports for consumption: Value by country of origin, United States, fiscal years 1988–90¹

Country	1988			1989			1990		
	Total	Noncom- petitive ²	Competi- tive ²	Total	Noncom- petitive ²	Competi- tive ²	Total	Noncom- petitive ²	Competi- tive ²
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Canada	2,370.5	114.1	2,256.4	2,785.0	140.2	2,644.8	3,096.4	169.7	2,926.7
Mexico	1,902.6	362.3	1,540.3	2,092.7	517.9	1,574.8	2,581.4	465.6	2,115.8
Brazil	1,899.0	974.4	924.6	1,573.6	733.7	839.9	1,548.1	531.7	1,016.4
Australia	1,151.3	6.8	1,144.5	1,024.5	6.9	1,017.6	1,165.9	4.7	1,161.2
Netherlands	746.8	90.8	656.0	765.0	107.9	657.1	836.0	108.9	727.1
New Zealand	787.8	38.6	749.2	839.0	46.3	792.7	818.4	32.6	785.8
Colombia	804.0	596.7	207.3	819.7	548.5	271.2	791.5	460.9	330.6
France	733.1	47.9	685.2	728.1	56.1	672.0	742.6	63.5	679.1
Italy	565.6	11.2	554.4	589.3	20.9	568.4	681.8	26.7	655.1
Indonesia	838.5	772.0	66.5	864.2	802.4	61.8	681.6	606.1	75.5
Germany, Fed. Rep.	528.1	121.8	406.3	544.0	110.0	434.0	548.7	108.1	440.6
Denmark	575.1	38.3	536.8	491.5	36.1	455.4	533.3	48.3	485.0
Guatemala	307.1	205.0	102.1	343.9	219.7	124.2	500.7	309.7	191.0
Chile	347.7	1.6	346.1	384.4	2.2	382.2	466.6	2.0	464.6
Thailand	327.6	125.0	202.6	434.2	146.3	287.9	455.4	151.6	303.8
Philippines	440.5	53.0	387.5	464.7	69.7	395.0	451.7	31.6	420.1
Ecuador	432.0	420.3	11.7	419.4	402.0	17.4	443.2	429.0	14.2
Costa Rica	353.7	227.5	126.2	378.9	241.2	137.7	411.9	243.8	168.1
Spain, incl. Canary Is.	394.8	34.5	360.3	402.9	20.9	382.0	411.8	18.0	393.8
Argentina	356.3	22.8	333.5	363.3	20.7	342.6	375.5	26.2	349.3
Dominican Republic	310.0	136.9	173.1	316.4	95.8	220.6	309.7	88.6	221.1
Malaysia	423.9	281.4	142.5	424.4	276.0	148.4	304.3	204.0	100.3
Turkey	230.2	22.1	208.1	225.7	16.0	209.7	295.5	14.9	280.6
China (Mainland)	262.4	65.5	196.9	318.5	80.6	237.9	274.6	86.7	187.9
Honduras	267.4	217.1	50.3	266.6	208.1	58.5	263.5	203.5	60.0
India	249.0	115.5	133.5	221.8	75.6	146.2	262.3	84.7	177.6
Japan	298.6	33.3	205.3	216.0	27.4	188.6	232.1	25.4	206.7
Ireland	152.0	14.8	137.2	172.6	12.9	159.7	219.9	18.1	201.8
United Kingdom	187.1	35.9	151.2	214.4	39.7	174.7	217.4	44.0	173.4
Ivory Coast	317.3	313.6	3.7	195.2	190.1	5.1	171.6	165.3	6.3
China (Taiwan)	164.1	8.8	155.3	155.1	8.3	146.8	167.8	26.6	141.2
Poland	143.0	.7	142.3	136.8	.5	136.3	125.5	.8	124.7
Greece	91.4	2.9	88.5	113.2	2.7	110.5	118.8	1.9	116.9
El Salvador	167.3	142.9	24.4	130.8	114.8	16.0	115.5	90.4	25.1
Hong Kong	78.0	6.8	71.2	86.3	12.6	73.7	106.5	10.9	95.6
Switzerland	94.6	25.0	69.6	99.8	26.6	73.2	104.8	34.0	70.8
Peru	100.9	79.8	21.1	115.1	89.0	26.1	102.7	70.3	32.4
Belgium/Luxembourg	84.6	26.8	57.8	101.1	30.2	70.9	94.7	37.1	57.6
Sweden	77.6	7.4	70.2	99.0	16.2	82.8	85.4	16.1	69.3
Israel, incl. Gaza Strip	59.5	5.5	54.0	60.9	6.8	54.1	84.1	10.3	73.8
Finland	63.6	5.3	58.3	76.6	8.9	67.7	79.5	12.7	66.8
Yugoslavia	67.8	4.8	63.0	72.3	5.0	67.3	79.4	4.1	75.3
Hungary	61.0	.3	60.7	78.1	2.2	75.9	74.9	3.0	71.9
Singapore	72.1	54.2	17.9	60.5	43.0	17.5	66.6	46.2	20.4
Korea, Rep. of	92.1	5.2	86.9	70.2	7.7	62.5	62.6	8.8	53.8
Austria	42.6	1.2	41.4	61.8	5.7	56.1	61.8	5.5	56.3
Venezuela	24.8	19.0	5.8	29.6	18.1	11.5	51.3	34.6	16.7
Portugal	62.3	.3	62.0	54.9	.4	54.5	46.9	.6	46.3
Ethiopia	53.3	40.8	12.5	59.2	48.8	10.4	44.9	33.9	11.0
Kenya	46.8	41.9	4.9	50.5	42.5	8.0	39.1	34.4	4.7
Other	867.0	492.8	374.2	884.1	476.3	407.8	754.8	328.2	426.6
Total ⁴	21,014.4	6,473.1	14,541.3	21,475.8	6,238.1	15,237.7	22,561.0	5,584.3	16,976.7

¹ Fiscal years Oct. 1–Sept. 30. ² 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. ³ Beginning January 1, 1984 includes Canary Islands. ⁴ Totals may not add due to rounding.

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

Table 693.—European Community: Value of agricultural imports by origin, 1976–89 ¹

Year ²	United States	EC countries	Other countries	Total
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1976.....	6,689	25,885	24,454	57,028
1977.....	7,427	29,317	30,278	67,022
1978 ³	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 ⁴	7,013	64,302	35,630	106,945
1987.....	7,909	78,394	38,156	124,459
1988.....	8,071	85,701	42,253	136,025
1989.....	7,303	86,542	41,556	135,401

¹ Based on data from the United Nations, Organization for Economic Cooperation and Development, and the European Community. ² Data on calendar year basis. ³ Includes Greece. ⁴ Included Portugal and Spain, 1986–89.

Economic Research Service.

Table 694.—Food acquisition: Expenditures for food items by selected Federal Government agencies, ¹ fiscal years 1989–90

Agency	Total expenditures		Agency	Total expenditures	
	1989	1990		1989	1990
	<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.....	1,730,000	2,170,000	Commodity Credit Corporation, Dairy price support.....	611,135	397,602
Indefinite delivery type contracts (estimate).....	334,000	334,000	Other purchases.....	391,541	260,691
Miscellaneous total (estimate).....	100,000	100,000	Total.....	1,002,676	658,293
Total DOD.....	2,164,000	2,604,000	Public Law 480 (Food for Peace).....	597,652	487,869
Department of Veterans Affairs:			Agricultural Marketing Service.....	602,000	619,000
Central procurement.....	52,329	20,600	Total USDA.....	2,202,328	1,765,162
Local procurement.....	48,306	77,400	Total.....	4,466,963	4,467,162
Total VA.....	100,635	98,000			

¹ These comprise the major Federal expenditures for these purposes. A complete accounting is not available. Agricultural Marketing Service.

Table 695.—Fisheries—Landings and value of principal species: 1984-90 ¹

[Preliminary]

Species	Landings						
	1984	1985	1986	1987	1988	1989	1990
	<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>
Fish:							
Cod, Atlantic.....	97	83	61	59	76	78	96
Flounder.....	220	196	169	200	229	202	502
Haddock.....	26	14	11	7	6	4	5
Halibut.....	48	61	78	76	82	75	70
Herring, sea.....	179	199	210	207	222	209	221
Jack mackerel.....	23	21	24	27	23	28	9
Menhaden.....	2,891	2,739	2,391	2,712	2,086	1,989	1,962
Ocean perch, Atlantic.....	12	10	6	4	14	1	1
Pollock.....	64	136	185	598	1,290	2,385	3,178
Salmon, Pacific.....	691	727	659	562	606	786	733
Tuna.....	212	83	88	100	111	89	62
Whiting.....	46	45	40	35	36	39	44
Shellfish:							
Clams (meats).....	133	151	145	134	132	138	139
Crabs.....	313	338	356	386	456	458	499
Lobsters, American.....	44	46	46	46	49	53	68
Oysters (meats).....	48	44	41	40	32	30	29
Scallops (meats).....	59	30	22	41	43	41	42
Shrimp.....	302	334	400	363	331	352	346
Species	Value						
	1984	1985	1986	1987	1988	1989	1990
	<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>
Fish:							
Cod, Atlantic.....	36	35	36	44	43	48	61
Flounder.....	124	129	125	145	140	120	159
Haddock.....	18	14	11	9	7	5	6
Halibut.....	25	38	83	88	73	85	97
Herring, sea.....	26	50	49	52	63	29	38
Jack mackerel.....	2	2	2	2	2	2	1
Menhaden.....	117	101	94	104	106	84	94
Ocean perch, Atlantic.....	4	3	3	3	4	1	1
Pollock.....	9	12	21	64	106	197	283
Salmon, Pacific.....	392	440	494	596	911	591	612
Tuna.....	118	53	55	96	121	104	105
Whiting.....	7	8	8	12	9	9	11
Shellfish:							
Clams (meats).....	116	128	135	133	135	135	130
Crabs.....	187	203	270	322	384	414	484
Lobsters, American.....	114	115	121	134	145	149	178
Oysters (meats).....	81	70	78	92	78	84	94
Scallops (meats).....	128	93	107	144	144	140	158
Shrimp.....	488	473	663	578	506	468	491

¹ 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, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 696.—Fresh and frozen fishery products—Production and value: 1984-90 ¹

[1990 is preliminary]

Product	Production						
	1984	1985	1986	1987	1988	1989	1990
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
Fish fillets and steaks ²	252	246	280	356	378	371	434
Cod.....	70	57	77	78	62	73	66
Flounder.....	79	69	64	58	53	44	53
Haddock.....	9	8	8	9	8	7	7
Ocean perch, Atlantic.....	3	2	3	3	2	2	1
Rockfish.....	18	18	17	18	36	25	36
Pollock, Atlantic.....	11	15	16	18	14	11	12
Pollock, Alaska.....	4	11	24	75	110	106	164
Other.....	58	66	71	97	93	103	95

Product	Value						
	1984	1985	1986	1987	1988	1989	1990
	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.
Fish fillets and steaks ²	410	440	56	753	767	742	820
Cod.....	97	90	142	165	137	136	134
Flounder.....	159	157	169	168	163	142	149
Haddock.....	19	19	25	32	30	26	24
Ocean perch, Atlantic.....	3	3	6	6	5	3	1
Rockfish.....	23	25	24	27	57	40	58
Pollock, Atlantic.....	11	17	21	30	21	18	21
Pollock, Alaska.....	4	24	25	82	110	98	174
Other.....	94	106	152	243	244	279	259

¹ Excludes Alaska and Hawaii, except frozen products includes Alaska and Hawaii. ² Fresh and frozen.³ Included with other.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 697.—Canned fishery products—Production and value: 1982-90 ¹

[1990 is preliminary]

Product	Production								
	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
Total ²	1,283	1,391	1,411	1,161	1,332	1,186	1,131	1,455	1,178
Tuna.....	539	591	614	545	637	654	598	686	581
Salmon.....	112	181	200	159	142	105	88	197	196
Clam products.....	99	102	114	117	116	117	127	135	110
Jack mackerel ³	39	46	31	15	17	15	18	18	23
Sardines, Maine.....	18	13	15	20	16	13	19	13	13
Shrimp.....	6	7	7	4	5	4	4	3	1
Crabs.....	1	1	1	1	1	(⁵)	(⁵)	1	1
Squid.....	8	n.a.	n.a.	4	n.a.	n.a.	n.a.	n.a.	n.a.
Oysters ⁴	1	1	(⁶)	2	3	4	3	4	1

Product	Value								
	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.
Total ²	1,457	1,534	1,578	1,360	1,485	1,562	1,481	1,992	1,562
Tuna.....	918	859	872	821	882	1,016	960	1,058	902
Salmon.....	174	308	322	228	265	262	219	514	366
Clam products.....	85	86	95	109	118	88	98	91	76
Jack mackerel ³	15	17	13	7	6	6	9	7	11
Sardines, Maine.....	28	20	25	38	28	22	24	1	17
Shrimp, Maine.....	35	41	36	19	22	22	25	9	3
Crabs.....	6	6	5	2	2	1	2	3	4
Squid.....	3	n.a.	n.a.	1	n.a.	n.a.	n.a.	n.a.	n.a.
Oysters ⁴	2	2	5	2	4	2	2	1	1

¹ Natural pack only. ² Includes other products not shown separately. ³ Includes small amount of Pacific mackerel. ⁴ Includes oyster specialties. ⁵ Less than 500,000 pounds or \$500,000. n.a. not available.

U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 698.—Fisheries—Fishermen and craft, 1977, and catch, 1985-90, by area

[1985-90 are preliminary]

Area	1977 ¹			1985 ¹		1986 ¹	
	Fisher- men	Fishing vessels	Fishing boats ²	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	6,258	2,326	6,031	2,763
New England States.....	31.7	929	15.4	590	419	563	449
Middle Atlantic States.....	17.3	573	11.3	151	101	156	114
Chesapeake Bay States.....	27.9	2,086	19.0	815	124	617	131
South Atlantic States.....	11.6	1,463	6.7	311	156	249	155
Gulf States.....	29.3	5,328	11.0	2,412	597	2,368	781
Pacific Coast States.....	54.0	7,643	15.4	1,816	863	1,923	1,065
Great Lakes States.....	1.2	217	.5	54	15	48	14
Hawaii.....	2.7	101	1.3	17	22	11	20
Other ³	11.3		9.9	92	29	96	34

Area	1987 ¹		1988 ¹		1989 ¹		1990 ¹	
	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.....	6,896	3,115	7,193	3,520	8,463	3,238	9,708	3,572
New England States.....	545	512	570	494	565	509	649	543
Middle Atlantic States.....	163	128	156	129	172	133	207	150
Chesapeake Bay States.....	791	160	730	148	777	152	867	160
South Atlantic States.....	235	150	280	174	256	169	262	169
Gulf States.....	2,501	720	1,937	708	1,789	649	1,625	640
Pacific Coast States.....	2,493	1,360	3,457	1,808	4,840	1,560	6,027	1,825
Great Lakes States.....	42	17	40	19	38	20	45	20
Hawaii.....	16	29	21	40	24	47	26	65
Other ³	110	39						

¹ Exclusive of duplication among regions. Computation of area amounts will not equal U.S. total. ² Refers to craft having capacity of less than 5 net tons. ³ Mississippi River and other areas.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 699.—Fisheries: Quantity and value of domestic catch, 1976-90

[1981-90 are preliminary]

Year	Quantity ¹					Year	Quantity ¹				
	Total	For human food	For indus- trial prod- ucts ²	Ex- ves- sel value	Aver- age price per lb.		Total	For human food	For indus- trial prod- ucts ²	Ex- ves- sel value	Aver- age price per lb.
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. dol.	Cents		Mil. lb.	Mil. lb.	Mil. lb.	Mil. dol.	Cents
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.....	5,271	3,177	2,351	1,854	30.7	1986.....	6,031	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	1988.....	7,193	4,588	2,604	3,520	48.9
1981.....	5,977	3,547	2,430	2,388	40.0	1989.....	8,463	6,204	2,259	3,238	38.3
1982.....	6,367	3,285	3,082	2,390	37.5	1990.....	*9,708	*7,346	2,362	3,572	36.8
1983.....	6,439	3,238	*3,201	2,355	36.6						

¹ Live weight. ² Meals, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

*Record.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 700.—Fishery products—Supply: 1981-90 ¹

(1981-90 are preliminary)

Item	1981	1982	1983	1984	1985
	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.
Total	11,353	12,011	12,252	12,552	15,150
For human food	8,267	7,968	8,413	8,498	9,337
Finfish	6,316	6,090	6,358	6,303	6,991
Shellfish ²	1,951	1,878	2,055	2,195	2,346
For industrial use	3,086	4,043	3,939	4,054	5,813
Domestic catch	5,977	6,367	6,439	6,438	6,258
Percent of total	52.7	53.0	52.1	51.3	41.3
For human food	3,547	3,285	3,238	3,320	3,294
Finfish	2,414	2,324	2,351	2,348	2,273
Shellfish ²	1,133	961	887	972	1,021
For industrial use	2,430	3,082	3,201	3,118	2,964
Imports ³	5,376	5,644	5,913	6,114	8,892
Percent of total	47.8	47.0	47.9	48.7	58.7
For human food	4,720	4,683	5,175	5,178	6,043
Finfish	3,902	3,766	4,007	3,955	4,718
Shellfish ²	818	917	1,168	1,223	1,325
For industrial use ⁴	656	961	738	936	2,849

Item	1986	1987	1988	1989	1990
	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.
Total	14,368	15,744	14,628	15,485	16,653
For human food	9,620	10,561	10,505	12,268	12,967
Finfish	7,087	7,919	7,786	9,735	10,426
Shellfish ²	2,533	2,642	2,719	2,533	2,541
For industrial use	4,748	5,183	4,123	3,217	3,686
Domestic catch	6,031	6,896	7,192	8,463	9,708
Percent of total	42.0	43.8	49.2	54.7	58.3
For human food	3,393	3,946	4,588	6,204	7,346
Finfish	2,240	2,769	3,306	4,897	6,053
Shellfish ²	1,153	1,177	1,282	1,307	1,293
For industrial use	2,638	2,950	2,604	2,259	2,362
Imports ³	8,337	8,848	7,436	7,022	6,945
Percent of total	58.0	56.2	50.8	45.3	41.7
For human food	6,227	6,615	5,917	6,064	5,621
Finfish	4,847	5,150	4,480	4,838	4,373
Shellfish ²	1,380	1,465	1,437	1,226	1,248
For industrial use ⁴	2,110	2,233	1,519	958	1,324

¹ Live weight, except percent. ² For univalve and bivalves mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell is reported. ³ Excluding imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. ⁴ Fish meal and sea herring. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 701.—Fisheries: Disposition of domestic catch, 1980-90

(1981-90 are preliminary)

Disposition	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.	Mil. lbs.
Fresh and frozen ..	2,621	2,547	2,550	2,304	2,336	2,725	2,487	3,157	3,813	5,585	6,805
Canned	1,161	1,118	891	1,087	1,128	749	1,134	1,009	1,017	798	751
Cured	96	90	85	80	82	70	60	89	86	128	126
Reduced to meal, oil, etc.	2,604	2,222	2,841	2,968	2,892	2,714	2,350	2,641	2,276	1,952	2,026
Total	6,482	5,977	6,367	6,258	6,438	6,258	6,031	6,896	7,192	8,463	9,708

¹ 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 702.—Processed fishery products—Production and value, 1983-90 ¹

Item	Production							
	1983	1984	1985	1986	1987	1988	1989	Preliminary 1990
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
Total.....	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Fresh and frozen ³	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Fillets.....	217	241	232	266	338	362	345	410
Steaks.....	13	11	13	14	18	22	26	24
Fish sticks.....	87	92	96	87	99	80	89	65
Fish portions.....	335	333	330	342	324	287	280	294
Breaded shrimp.....	100	95	95	108	109	80	121	114
Canned products ⁴	1,391	1,411	1,161	1,332	1,186	1,130	1,455	1,178
Fish and shellfish.....	987	1,042	913	1,011	965	907	1,110	957
Animal feed.....	404	369	248	321	221	223	345	221
Industrial products.....	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Meal and scrap.....	764	752	722	702	787	644	618	577
Oil (body and liver).....	399	373	285	337	298	225	225	282
Solubles.....	317	252	323	195	249	223	233	186
Other.....	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)

Item	Value							
	1983	1984	1985	1986	1987	1988	1989	Preliminary 1990
	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.
Total.....	5,071	5,211	4,936	5,263	5,951	5,369		
Fresh and frozen ³	3,124	3,234	3,242	3,481	4,041	3,562		
Fillets.....	327	384	408	527	696	707	656	747
Steaks.....	35	27	32	37	58	70	86	73
Fish sticks.....	116	110	111	94	143	114	116	75
Fish portions.....	411	414	368	394	446	400	400	414
Breaded shrimp.....	386	369	355	358	372	245	404	371
Canned products ⁴	1,534	1,577	1,360	1,485	1,562	1,478	1,992	1,562
Fish and shellfish.....	1,394	1,436	1,269	1,395	1,476	1,385	1,754	1,415
Animal feed.....	140	141	91	100	85	93	238	147
Industrial products.....	252	234	182	175	212	236	206	207
Meal and scrap.....	130	113	84	83	121	131	115	121
Oil (body and liver).....	67	61	42	44	36	44	24	29
Solubles.....	16	15	19	12	17	15	18	14
Other.....	39	45	37	36	38	47	50	43

¹ Includes cured fish. ² Not applicable. ³ Includes items not shown i.e. dressed fish, shellfish not breaded, specialties. ⁴ Includes salmon eggs for baits.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 703.—Selected fishery products—Imports and exports: 1983-90 ¹

Product	Quantity								Value								
	1983	1984	1985	1986	1987	1988	1989	1990	1983	1984	1985	1986	1987	1988	1989	1990	
	<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>	<i>Mil. dol.</i>	
Imports																	
Edible	2,386.8	2,454.3	2,754.0	2,978.9	3,201.1	2,967.8	3,243.0	2,884.6	3,626.7	3,742.3	4,064.3	4,813.5	5,711.2	5,441.6	5,497.8	5,233.2	
Fresh or frozen	2,051.5	2,057.1	2,229.0	2,423.7	2,661.6	2,473.2	2,612.2	2,335.9	3,211.9	3,281.3	3,461.6	4,150.0	5,021.9	4,779.5	4,694.8	4,521.3	
Salmon ²	14.4	21.1	27.0	40.5	41.9	50.1	98.8	104.3	33.4	56.5	75.6	100.7	113.0	155.2	228.9	252.9	
Tuna	505.2	404.2	478.8	563.8	572.5	550.1	649.7	453.7	240.0	215.9	266.3	298.8	330.8	372.3	401.7	339.3	
Groundfish fillets, blocks ³	682.6	624.0	639.8	651.0	630.4	500.8	848.4	441.6	655.3	790.6	1,003.5	759.4	1,003.5	759.4	702.0	692.7	
Other fillets and steaks	141.5	165.7	231.0	251.0	394.2	320.1	252.6	257.4	188.0	238.3	333.7	416.1	651.0	533.0	490.3	458.0	
Scallops (meats)	34.3	27.3	42.0	47.9	39.9	32.0	40.9	39.8	158.7	117.3	147.1	192.6	162.3	115.7	139.0	130.5	
Lobster, American and spiny	63.8	73.4	77.4	79.3	80.9	77.5	72.1	74.1	364.0	435.7	464.9	464.9	575.9	546.7	453.3	440.0	
Shrimp and prawn	328.3	328.9	342.8	384.3	461.2	489.7	491.6	491.6	1,198.0	1,189.9	1,120.7	1,404.9	1,676.8	1,726.0	1,684.8	1,639.2	
Canned	257.6	316.4	414.4	438.8	428.7	424.4	533.4	458.3	330.4	372.9	465.8	500.4	515.9	550.9	642.0	542.6	
Sardines, in oil	17.2	17.5	23.0	22.9	27.4	22.8	21.8	18.7	21.2	23.4	27.0	28.5	35.1	30.8	29.8	27.3	
Sardines and herring, not in oil	23.7	31.5	39.8	36.0	43.3	37.1	40.1	41.4	21.5	24.8	30.3	30.4	34.2	33.4	33.4	30.3	
Tuna	122.3	162.3	213.9	236.6	211.7	244.5	348.2	284.6	137.3	167.3	209.1	228.6	206.9	298.7	375.9	293.9	
Oysters	21.6	23.0	28.9	32.1	32.7	27.3	20.4	13.9	24.8	26.2	30.2	32.3	36.1	39.7	36.9	27.0	
Pickled or salted	60.9	61.1	57.1	61.4	57.4	55.8	50.5	44.6	56.1	55.5	53.4	62.2	74.6	66.9	54.5	49.3	
Cod, haddock, hake, pollock, cusk	37.7	38.0	34.7	36.9	31.9	31.4	16.6	10.9	42.9	42.3	41.2	49.5	60.5	52.7	25.4	18.2	
Nonedible scrap and metal	135.9	166.9	510.7	370.0	393.7	265.3	171.1	239.4	21.8	26.5	61.7	47.2	52.5	49.6	31.7	38.6	
Exports																	
Canned salmon	54.5	49.0	48.2	59.4	35.9	32.9	40.4	49.4	97.0	86.8	83.1	101.2	85.8	91.6	89.7	104.3	
Fish oil, nonedible	404.1	399.4	279.1	192.2	249.1	149.3	194.8	222.3	59.8	71.0	36.8	20.8	23.3	21.9	20.2	23.9	

¹ Includes Puerto Rico. ² Excludes fillets. ³ Includes cod, cusk, haddock, hake, pollock, ocean perch, and whiting.

U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 704.—Fishery products: Imports and exports, 1976-90 ¹

Year	Imports ²				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>
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	1,066	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.....	8,817	3,201	5,711	3,106	1,660	783	1,577	83
1988.....	8,872	2,971	5,459	3,413	2,275	1,064	2,162	113
1989.....	*9,604	*3,243	*5,498	*4,107	4,707	1,374	2,283	2,424
1990 ³	9,048	2,885	5,233	3,815	*5,639	*1,920	*2,779	*2,860

¹ Includes Puerto Rico. ² Includes landings of tuna by foreign vessels in American Samoa. ³ Preliminary. *Record.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 705.—Estimated number of fishing trips taken by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 1987-90

Subregion	1987	1988	1989	1990
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf: ⁵				
North Atlantic.....	6,293	7,696	5,433	6,488
Mid-Atlantic.....	16,332	19,744	12,989	14,355
South Atlantic.....	17,063	19,594	15,469	⁴ 14,145
Gulf.....	15,767	19,064	13,678	⁴ 12,841
Total ¹	55,455	66,099	47,569	47,828
Pacific: ²				
Southern California.....	5,187	5,996	4,645	³ n.a.
Northern California.....	2,417	3,939	2,410	
Oregon.....	980	1,015	859	
Washington.....	1,392	1,462	1,532	
Total ¹	9,976	12,413	9,445	
Grand total ¹	65,431	78,512	57,014	

¹ Totals may not add due to rounding. ² Pacific estimates do not include salmon fishing trips. ³ MRFSS was not conducted for the Pacific Coast in 1990. ⁴ Does not include party boat fishing trips. ⁵ Atlantic and Gulf estimates do not include recreational fishing trips in Texas.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 706.—Estimated number of fish caught by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 1987-90

Subregion	1987	1988	1989	1990
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
North Atlantic.....	36,218	31,605	26,051	21,015
Mid-Atlantic.....	108,281	108,473	69,527	90,506
South Atlantic.....	49,092	56,948	44,826	⁴ 42,461
Gulf.....	94,517	131,910	99,466	⁴ 108,818
Total ¹	288,108	323,935	239,870	262,800
Pacific: ²				
Southern California.....	30,772	28,878	23,027	(³)
Northern California.....	9,040	13,390	8,494	(³)
Oregon.....	2,032	2,373	3,036	(³)
Washington.....	4,320	6,573	6,735	(³)
Total ¹	46,163	51,214	41,292	(³)
Grand total ¹.....	334,271	375,149	281,162	(³)

¹ Totals may not add due to rounding. ² Pacific estimates do not include salmon data collected by State recreational fishing surveys. ³ MRFSS was not conducted for the Pacific Coast in 1990. ⁴ Does not include catch for party boats. ⁵ Does not include recreational catch for Texas.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 707.—Estimated number of fish caught by marine recreational fishermen by mode and year, Atlantic, Gulf, and Pacific Coasts, 1987-90

Mode	1987	1988	1989	1990
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf: ⁵				
Shore.....	63,609	71,338	59,919	64,754
Party/charter.....	24,125	22,199	21,841	⁴ 29,527
Private/rental.....	200,374	230,398	158,110	168,519
Total ¹	288,108	323,935	239,870	262,800
Pacific: ²				
Shore.....	10,722	13,776	13,603	(³)
Party/charter.....	3,677	11,886	9,328	(³)
Private/rental.....	26,764	25,551	18,361	(³)
Total ¹	46,163	51,214	41,292	(³)
Grand total ¹.....	334,271	375,149	281,162	(³)

¹ Totals may not add due to rounding. ² Pacific estimates do not include salmon data collected by State recreational fishing surveys. ³ MRFSS was not conducted for the Pacific Coast in 1990. ⁴ Does not include estimated catches for party boats in the South Atlantic or Gulf Mexico. ⁵ Does not include recreational catch for Texas.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 708.—Estimated number of fish caught by marine recreational fishermen by species group and year, Atlantic and Gulf coasts, 1987–90

Species group	1987	1988	1989	1990
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Sharks, other	1,711	1,952	1,013	979
Sharks, dogfish	1,595	2,019	1,626	1,443
Skates/rays	1,774	2,505	1,672	1,753
Eels	207	332	212	213
Herrings	8,037	12,641	13,893	22,024
Freshwater catfishes	1,747	1,004	1,069	1,782
Saltwater catfishes	11,234	21,614	10,454	12,889
Toadfishes	3,265	2,937	3,236	2,816
Atlantic cod	2,009	2,991	2,463	2,635
Pollock	664	1,422	670	403
Red hake	1,138	1,351	1,384	1,769
Codfishes/hakes, other	296	1,651	369	145
Searobins	5,071	5,899	2,947	5,518
Sculpins	53	(¹)	280	140
White perch	2,316	2,352	2,436	4,048
Striped bass	768	895	1,347	2,274
Black sea bass	10,360	19,185	13,503	14,347
Groupers	2,686	2,932	3,798	3,294
Sea basses, other	2,638	3,737	3,531	2,890
Bluefish	28,664	17,652	18,564	17,153
Crevalle jack	1,100	1,440	1,416	1,773
Blue runner	1,813	2,351	1,732	1,856
Greater amberjack	500	326	849	300
Florida pompano	301	324	379	709
Jacks, other	1,822	2,516	1,407	1,365
Dolphins	1,424	1,758	2,752	1,895
Gray snapper	2,009	1,849	2,912	2,481
Red snapper	729	1,020	1,073	1,025
Lane snapper	499	639	779	201
Vermilion snapper	426	818	864	1,272
Yellowtail snapper	1,169	759	1,345	1,461
Snappers, other	1,086	555	209	548
Pigfish	1,804	3,114	2,150	2,362
White grunt	3,521	3,062	3,142	4,056
Grunts, other	5,100	5,017	3,375	2,995
Scup	12,912	9,345	11,519	11,244
Pinfish	9,707	14,012	10,593	7,974
Sheepshead	2,961	4,585	3,271	4,070
Red porgy	209	690	217	556
Porgies, other	365	227	415	413
Spotted seatrout	21,174	22,778	18,032	13,461
Weakfish	6,946	8,770	1,880	1,756
Sand seatrout	3,913	2,722	2,772	4,510
Silver perch	630	814	689	739
Spot	15,187	12,647	16,295	19,386
Kingfishes	3,193	5,062	2,871	3,367
Atlantic croaker	21,031	21,005	10,280	14,828
Black drum	1,716	1,586	643	909
Red drum	6,131	5,770	3,738	3,008
Drums, other	2,560	2,591	780	1,309
Mullet	2,677	6,160	5,009	3,953
Barracudas	501	435	418	489
Tautog	4,895	5,181	3,709	3,862
Cunner	2,643	2,345	2,846	2,546
Little tunny/Atl. bonito	966	2,423	1,187	1,065
Atlantic mackerel	7,730	6,867	4,857	4,842
King mackerel	800	948	811	1,236
Spanish mackerel	2,537	4,338	2,764	4,984
Tunas/mackerels, other	865	951	634	525
Summer flounder	21,850	20,820	2,727	9,568
Gulf flounder	553	390	282	236
Southern flounder	708	1,416	975	1,670
Winter flounder	13,039	14,322	8,469	4,464
Flounders, other	631	1,441	535	890
Triggerfishes/filefishes	609	997	1,531	2,228
Puffers	563	1,646	1,323	1,283
Other fishes	8,372	10,021	8,950	8,494
Total ²	288,108	323,935	239,870	262,800

¹ Less than 30 thousand reported. Data have been included in totals. ² Totals may not add due to rounding.
 U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 709.—Estimated number of fish caught by marine recreational fishermen by species group and year, Pacific coast,¹ 1987–89

Species group	1987	1988	1989
	Thousands	Thousands	Thousands
Spiny dogfish.....	978	1,385	855
Sharks, other.....	1,395	1,217	947
Sturgeons.....	169	373	41
Pacific herring.....	351	442	1,039
Northern anchovy.....	(²)	139	821
Surf smelt.....	1,390	1,616	3,442
Smelts, other.....	53	53	(²)
Pacific cod.....	238	175	38
Pacific tomcod.....	201	148	(²)
Walleye pollock.....	564	357	(²)
Pacific hake.....	37	310	70
Silversides.....	252	277	172
Jacksmelt.....	705	935	719
Striped bass.....	174	228	96
Kelp bass.....	2,317	2,163	1,491
Spotted sand bass.....	444	544	108
Barred sand bass.....	2,592	4,222	2,285
Sea basses, other.....	1,522	83	53
Yellowtail.....	54	(²)	(²)
White croaker.....	1,349	3,319	2,989
California corbina.....	75	(²)	31
Queenfish.....	420	679	248
Croakers, other.....	286	230	132
Opaleye.....	233	209	70
Halfmoon.....	109	304	99
Shiner perch.....	260	580	417
Striped seaperch.....	257	323	189
Black perch.....	54	87	71
Walleye surfperch.....	272	438	191
Silver surfperch.....	92	92	61
White seaperch.....	159	211	97
Pile perch.....	141	197	135
Redtail surfperch.....	134	207	49
Barred surfperch.....	229	269	154
Surfperches, other.....	412	510	638
Pacific barracuda.....	1,379	852	729
California sheephead.....	99	130	55
Pacific bonito.....	3,098	920	1,002
Chub mackerel.....	8,161	5,495	4,596
Tunas.....	(²)	(²)	(²)
Brown rockfish.....	318	562	301
Copper rockfish.....	286	581	398
Widow rockfish.....	55	112	93
Yellowtail rockfish.....	387	482	(²)
Chilipepper rockfish.....	174	768	594
Quillback rockfish.....	205	332	249
Black rockfish.....	961	1,086	880
Blue rockfish.....	1,222	1,208	912
Bocaccio.....	282	1,499	377
Canary rockfish.....	321	980	250
Greenspotted rockfish.....	55	106	122
Olive rockfish.....	216	194	139
Gopher rockfish.....	385	251	212
California scorpionfish.....	296	722	1,107
Rockfishes, other.....	2,933	3,968	3,474
Sablefish.....	(²)	55	(²)
Kelp greenling.....	378	323	262
Lingcod.....	570	648	496
Greenlings, other.....	79	85	104
Cabezon.....	187	173	128
Sculpins, other.....	1,213	1,742	1,044
Sanddabs.....	248	812	603
California halibut.....	1,579	1,653	1,566
Rock sole.....	75	244	124
Starry flounder.....	115	79	43
Flatfishes, other.....	449	402	377
Other fishes.....	1,976	2,968	3,252
Total ³	46,163	51,214	41,292

¹ Does not include salmon data collected by State surveys. ² Less than 30 thousand reported. Data have been included in totals. ³ Total may not add due to rounding.

Note: MRFSS was not conducted for the Pacific Coast in 1990.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 710.—Estimated number of fish caught by marine recreational fishermen by area of fishing and year, Atlantic, Gulf, and Pacific coasts, 1987-90

Area	1987	1988	1989	1990
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
Ocean 3 miles or less	80,067	64,672	42,959	50,986
Ocean over 3 miles	37,458	36,171	24,213	26,401
Ocean 10 miles or less ¹	41,832	41,444	36,148	25,390
Ocean over 10 miles ¹	9,217	15,123	13,974	11,672
Inland	119,534	162,205	122,577	148,351
Undefined ²	0	4,320	0	0
Total ³	288,108	323,935	239,870	262,800
Pacific: ⁴				
Ocean 3 miles or less	27,290	25,121	23,664	(⁵)
Ocean over 3 miles	9,276	10,722	5,561	(⁵)
Inland	9,423	12,993	12,067	(⁵)
Undefined ²	175	2,378	0	(⁵)
Total ³	46,163	51,214	41,292	(⁵)
Grand total ³	334,271	375,149	281,162	(⁵)

¹ This category refers only to the Florida Gulf coast where State jurisdiction extends to 3 marine leagues, approximately 10 nautical miles. ² 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." ³ Totals may not add due to rounding. ⁴ Pacific estimates do not include salmon data collected by State recreational fishing surveys. ⁵ MRFSS was not conducted for the Pacific Coast in 1990.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 711.—Refrigerated warehouses: Total gross space Oct. 1, by type of plant, United States, biennially, 1957-89 ¹

Year	Public cold storage only	Private and semiprivate cold storage	Meat-packing establishments	Total all types ²
	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>
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.....	774,263	652,714	28,272	1,426,977
1973.....	828,691	686,477	(³)	1,515,168
1975.....	875,292	754,772	(³)	1,630,064
1977.....	893,589	784,943	(³)	1,678,532
1979.....	940,005	912,460	(³)	1,852,464
1981.....	983,093	941,881	(³)	1,924,973
1983.....	1,047,171	1,019,459	(³)	2,066,630
1985.....	1,129,777	1,055,900	(³)	2,185,677
1987.....	1,305,610	1,170,773	(³)	2,476,384
1989.....	1,413,846	1,157,552	(³)	2,571,397

¹ 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. ² Totals may not add due to rounding. ³ Included in "Private and semiprivate cold storage," beginning 1973.

National Agricultural Statistics Service.

Table 712.—Refrigerated warehouses: Total gross space, by States, Oct. 1, 1989 ¹

State	Gross space	State	Gross space	State	Gross space	State	Gross space
	1,000 cu. ft.		1,000 cu. ft.		1,000 cu. ft.		1,000 cu. ft.
AL.....	10,441	IN.....	32,721	NE.....	23,155	SC.....	13,000
AK.....	1,138	IA.....	44,808	NV.....		SD.....	4,813
AZ.....	8,424	KS.....	57,268	NH.....		TN.....	31,440
AR.....	21,236	KY.....		NJ.....	59,221	TX.....	103,762
CA.....	290,057	LA.....	8,563	NM.....	1,128	UT.....	25,216
CO.....	11,829	ME.....	20,556	NY.....	123,580	VT.....	3,696
CT.....	6,699	MD and DC.....	17,752	NC.....	26,409	VA.....	62,891
DE.....	14,016	MA.....	49,693	ND.....	4,129	WA.....	467,864
FL.....	144,054	MI.....	88,889	OH.....	52,504	WV.....	9,993
GA.....	82,376	MN.....	46,231	OK.....	7,095	WI.....	107,926
HI.....	4,636	MS.....	2,501	OR.....	132,010	WY.....	
ID.....	43,999	MO.....		PA.....	96,085	Other States.....	116,067
IL.....	89,183	MT.....		RI.....	2,346	US.....	2,571,397

¹ Only those States having 3 or more warehouses are listed separately. ² Totals may not add due to rounding. National Agricultural Statistics Service.

Table 713.—Alaska crops: Acreage harvested, 1976-90

Year	Oats for grain	Barley for grain	Grain hay	Grass hay	Grain silage	Grass silage	Potatoes	Other vegetables ¹
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
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.....	800	5,300	1,800	14,700	3,800	2,000	750	297
1988.....	600	4,700	700	15,200	1,900	1,500	800	283
1989.....	700	4,700	400	12,300	500	1,900	840	254
1990 ²	600	5,400	300	14,800	200	1,200	590	264

¹ Excludes greenhouse-grown vegetables. ² Preliminary. National Agricultural Statistics Service.

Table 714.—Alaska crops: Volume harvested, 1976-90

Year	Oats for grain	Barley for grain	Grain hay	Grass hay	Grain silage	Grass silage	Potatoes	Other vegetables ¹
	<i>Bushels</i>	<i>Bushels</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Cwt.</i>	<i>Cwt.</i>
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	19,300
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	31,537
1986.....	13,200	207,000	1,800	15,200	18,500	7,600	124,000	31,436
1987.....	41,000	220,000	2,200	18,100	18,100	11,400	148,000	30,891
1988.....	36,600	228,000	1,400	23,300	6,100	6,700	202,000	29,787
1989.....	55,700	249,000	800	15,700	3,400	5,300	196,000	30,960
1990 ²	23,700	138,000	300	15,900	1,200	5,000	138,000	32,270

¹ Excludes greenhouse-grown vegetables. ² Preliminary.
National Agricultural Statistics Service.

Table 715.—Alaska crops: Value of production, 1976-90

Year	Oats for grain	Barley for grain	All hay	All silage	Potatoes	Other vegetables ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1976.....	30,000	261,000	2,325,000	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	484,000	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	2,890,000	1,104,000	1,910,000	819,000
1987.....	96,000	616,000	3,147,000	1,260,000	2,309,000	806,000
1988.....	90,000	775,000	3,458,000	576,000	3,373,000	817,000
1989.....	134,000	847,000	2,475,000	374,000	3,548,000	794,000
1990 ²	56,000	455,000	2,754,000	260,000	2,677,000	880,000

¹ Excludes greenhouse-grown vegetables. ² Preliminary.
National Agricultural Statistics Service.

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