FEED OUTLOOK

FDS-0800

United States Department of Agriculture — Economic Research Service

Approved by the World Agricultural Outlook Board — August 15, 2000

HIGHLIGHTS

o 2000 Corn Production Raised from Last Month, Prices Weaken

o All the Other Feed Grains Production Estimates Raised from Last Month

o Global 2000/01 Coarse Grain Production Up Slightly

o U.S. Corn Export Forecasts Boosted for 1999/2000 and 2000/01

o China's Corn Consumption and Stocks Revised Back to 1995/96

FEED GRAIN SUPPLY LARGEST SINCE 1987/1988

U.S. feed grain production in 2000 is forecast at 287 million metric tons, up about 9 million from a month ago and up 24 million from 1999. This reflects adjustments for each of the feed grains. Feed grain supply in 2000/01 is forecast at 340 million tons, up 3 percent from last month, and 7 percent above 1999/2000. Forecast beginning stocks are down slightly from last month, down 1 percent from the previous year.

Total feed grain use is projected at 274 million tons in 2000/01, up 3 percent from the previous year. Domestic use of 214 million tons will top the record 211 million expected in 1999/2000. Feed and residual use in 2000/01 is expected to total 158 million metric tons and account for 57 percent of total use.

When converted to a September-August marketing year, feed and residual use for the four feed grains plus wheat in 2000/01 is projected to total 164 million tons, up 1 percent from last month and essentially the same as in 1999/2000. Corn is estimated to account for 88 percent of the feed and residual use in 2000/01, up from 87 percent in 1999/2000.

The projected index of grain consuming animal units (GCAU) for 2000/01 was raised this month and is essentially the same as 1999/2000's 89.3 million units. A projected increase in beef production caused the increase in GCAU's. The grain used per GCAU in 2000/01 would be 1.84 tons, unchanged from last month and also the same as in 1999/2000.

RECORD CORN CROP FORECAST

Corn production in 2000 is forecast at a record 10.369 billion bushels, up 356 million from last month and 932 million above last year. This is the first survey-based forecast of the season and it reflects August 1 conditions. The average corn yield is forecast at a record 141.9 bushels per acre, compared with last month's trend-adjusted projection of 137 bushels and the actual 1999 yield of 133.8 bushels. The August 1 survey data indicate record level stalk and ear counts for the combined seven objective yield States (Illinois, Indiana, Iowa, Minnesota, Nebraska, Ohio, and Wisconsin).

Estimated acreage of corn harvested for grain was cut 29,000 acres this month to 73,059 million, but is up 4 percent from 1999. This would be the largest grain harvested acreage since 1985. In spite of cooler-than-normal temperatures in the eastern corn belt, the crop continues well ahead of normal. As of July 30, 90 percent of the corn was in the silking stage or beyond, compared with 72 percent for the 5-year average. Twenty-six percent of the acreage was in the dough stage or beyond, compared with the average of 13 percent.

With a record 2000 production expected and record use only partially offsetting these gains, projected ending stocks increased 207 million bushels from last month and is the highest since 1987/88. Forecast corn use was increased 125 million bushels from last month's forecast and is up 340 million bushels from the estimate for 1999/2000. Total use in 1999/2000 was raised this month by 25 million bushels because of expected increased exports.

With increased corn supplies in 2000/01 and higher ending stocks, prices were reduced. The forecast price for 2000/01 is $1.45-$1.85 per bushel, down from last month's $1.50-$1.90. In 1999/2000, the season average price received by farmers is expected to be $1.80.

SORGHUM CROP TO DECLINE FROM LAST YEAR

The first survey-based forecast for sorghum indicates production of 578 million bushels in 2000, up 14 million from last month but down 17 million from last year. Plantings rose 200,000 acres from the July estimate and harvested acres increased 210,000, as Texas producers planted land abandoned from cotton. Yields in 2000 are forecast at 69.5 bushels per acre, the same as the earlier projection (based on a simple linear trend fit over 1960-98), and down from the 69.7 bushels in 1999.

Given larger sorghum supplies, projected feed and residual use is up 15 million bushels from last month, and ending stocks are down 1 million.

In the 1999/2000 marketing year, prices received by farmers for sorghum have averaged 88 percent of the corn price, up from 86 percent in 1998/99. The stronger prices have been in response to increased exports. Projected prices for 1999/2000 are $1.55 per bushel. The forecast price for sorghum in 2000/01 is $1.20-$1.60, approximately 86 percent of the corn price.

BARLEY PRODUCTION DECLINES

Barley production for 2000 is forecast at 308 million bushels, up 745,000 bushels from a month ago and up 9 percent from 1999. Yields are expected to average 58.8 bushels per acre, up 0.1 bushel from the July forecast but down 0.4 bushels from last year.

Total barley use in 2000/01 is projected up 1 percent from last month and up 8 million bushels from last year because of an expected increase in exports. The 2000/01 barley export projection was raised this month to 30 million bushels because of tight world supplies.

Prices received by farmers for barley in 2000/01 are expected to average $1.65-$2.05 per bushel, vs. the expected $2.15 in 1999/2000. The barley to corn price ratio in 2000/01 is expected to range between 111 percent to 114 percent, down from the expected 119 percent in 1999/2000 but up from the 102 percent barley to corn ratio in 1998/99.

OATS PRODUCTION INCREASES

The 2000 oats crop is forecast at 153 million bushels, up 1.365 million from the July forecast, and up 4 percent from 1999. The forecast yield, at 62.3 bushels per acre, is up 1.1 bushels from last month and up 2.7 bushels from last year. If realized, this would be the third highest yield on record. Area for harvest dropped to 2.45 million acres, 20,000 acres below last month's estimate due to increased abandonment in Nebraska. The increased production raised total supplies and ending stocks of oats.

Prices received by farmers in 2000/01 are expected to average between $0.95 and $1.35 per bushel, compared with the $1.10 expected in 1999/2000.

ALL HAY PRODUCTION TO INCREASE

All hay production in 2000 is forecast at 153 million tons, down 6 million from 1999. The all hay yield is expected to be 2.46 tons per acre, down 2 percent from last year. Acreage harvested of all hay was increased this month by 10,000 acres to 62.2 million, 2 percent lower than 1999.

Alfalfa hay production, at 78.8 million tons, decreased 6 percent from 1999. Improved conditions east of the Mississippi River have greatly increased production in that area, especially in Pennsylvania and Virginia.

Other hay production is forecast at 74.5 million tons, down 1 percent from last year. Yields are expected to average 1.94 tons per acre, up from 1.92 in 1999. Although harvested area, at 38.4 million acres, is down 2 percent from last year, it is still the second largest since 1962.

Roughage consuming animal units (RCAUs) in 2000/01 are estimated to be down 1 percent from 1999/2000. With hay production and beginning stocks also down, hay supply per RCAU was 2.51 tons, the same as in 1999/2000.

Prices received by farmers for all hay averaged $84.03 per ton in May-July 2000, down from $84.23 in 1999. Alfalfa hay prices in May-July 2000 averaged $88.03 per ton, up from $87.87 in 1999. Prices received by farmers for hay other than alfalfa and alfalfa mixtures averaged $69.60 per ton during May-July 2000, up from $67.97 in 1999.

GLOBAL 2000/01 COARSE GRAIN PRODUCTION UP SLIGHTLY, CHINA DROP ALMOST OFFSETS U.S. INCREASE

World coarse grain production in 2000/01 is projected to reach nearly 890 million tons, up more than 1 million from a month ago. While a record corn crop is boosting U.S. production 9 million tons, China's production is down 8 million because of hot dry conditions in the Northeast. Other changes were larger crops in Brazil and the former Soviet Union, while forecast production declined in Eastern Europe, the European Union (EU), and Canada.

Global corn production increased almost 3 million tons this month to 613 million, boosted by a 9-million-ton increase in the United States, and increases of 1 million for Brazil and India. In Brazil, the second season corn crop for 1999/2000 was reduced because of freeze damage, but this has boosted corn prices, which is expected to boost corn area for 2000/01. India's high tariffs are maintaining strong corn prices, so in 2000/01, India is expected to grow more corn and less other coarse grains than previously forecast. These changes more than offset the 7-million-ton drop in China and and a 0.5-million-ton decline in Canada because of cold wet growing conditions in Ontario.

World barley production is projected up 0.5 million tons this month to 133 million. Increased production reported for Ukraine and favorable growing conditions in Kazakstan boosted former Soviet Union production by almost 1 million tons, more than offsetting slight reductions in Eastern Europe and the EU.

Global sorghum production is forecast down this month at 60 million tons. A 1-million-ton drop in China, where sorghum production is concentrated in Lioaning, the province hit worst by the drought, more than offset the U.S. increase. World rye production is forecast down 0.5 million tons this month mostly because of reduced prospects in Poland. A small decline is also projected for oats because of wet conditions in the EU.

AUGUST CHANGES TO THE CHINA CORN SUPPLY AND DEMAND

	1995/96	1996/97	1997/98	1998/99	1999/2000	2000/01
			1,000 metric tons			
PRODUCTION	112,000	127,470	104,300	132,954	128,080	122,000
NEW						115,000
IMPORTS	1,476	75	287	262	250	250
NEW					150	150
EXPORTS	168	3,892	6,173	3,340	9,000	5,000
NEW						4,000
FEED USE	80,000	86,000	91,000	93,020	95,000	98,000
NEW	78,000	82,000	86,000	87,000	90,000	93,000
TOT.DOM.USE	106,108	113,353	117,414	117,260	119,950	123,000
NEW	104,100	109,400	113,400	114,300	116,950	120,000
END STOCK	34,700	45,000	26,000	38,616	37,996	32,246
NEW	36,708	50,961	35,975	51,551	53,831	44,981

CHINA'S CORN CONSUMPTION AND STOCKS REVISED BACK TO 1995/96

China's 2000/01 ending stocks of corn are up 13 million tons from last month because of historical revisions in stocks and use estimates. While China has not published official grain stocks data, China's corn stocks for the period 1995/96 through 2000/01 have been raised significantly from last month based on statements by various Chinese officials. Also, price levels in China indicate stocks are not as tight as would have been shown, using last month's stocks estimate and this month's reduced production. Historical production and trade numbers are official Chinese data and were not revised this month, but United States Department of Agriculture's estimates of use have been reduced and stocks have been raised correspondingly.

The revisions in use slow the growth in China's corn feed use from 1995/96 to 2000/01. However, even after the reduction, the growth in corn feed use is still strong, averaging 3.9 percent per year during the period. In 1998/99 corn feed growth slowed as pig prices in China plummetted, but since then growth has rebounded.

Although China's 2000/01 corn ending stocks projection is up sharply from last month's forecast, the year-to-year decline in stocks is still dramatic, to 45 million tons, from 54 million a year earlier. However, with forecast stocks equal to more than 37 percent of total domestic use, it is reasonable that the price response to the lower production is muted.

China's prospective corn exports for 2000/01 were reduced 1 million tons this month to 4 million, while expected 1999/2000 exports were unchanged at 9 million. Lower U.S. prices in 2000/01 will limit China's corn exports.

U.S. CORN EXPORT FORECASTS BOOSTED FOR 1999/2000 AND 2000/01

The 1999/2000 U.S. corn export forecast was raised 0.5 million tons to 47 million for the October/September international marketing year (up 25 million bushels to 1.9 billion for September/August). The pace of recent sales has been stronger than expected. According to *U.S. Export Sales,* as of August 3, 2000, shipments were down by more than 1 million tons, but outstanding sales (including to unknown destinations) were up slightly from a year earlier.

The 2000/01 U.S. corn export projection increased 1.5 million tons this month to 53.5 million, the largest in 5 years. Record U.S. production and lower U.S. prices are expected to reduce exports from China (down 1 million tons) and Argentina (down 0.5 million). Forecast global 2000/01 corn imports declined slightly this month mostly because increased production prospects in Brazil are expected to reduce imports.

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Table 1--Feed Grains: Marketing year supply and disappearance 1/

Year/ Qtr.	Beg. stocks	Produc- tion	Im- ports	Supply	FSI	Feed & resid.	Ex- ports	Total disp.	End. stks.	Farm price
CORN	Million bushels									$/bu
1998/99										
Sep-Nov	1,308	9,759	4	11,071	450	2,118	450	3,019	8,052	1.90
Dec-Feb	8,052	---	6	8,058	434	1,460	465	2,359	5,698	2.04
Mar-May	5,698	---	7	5,706	495	1,097	497	2,089	3,616	2.04
Jun-Aug	3,616	---	2	3,618	468	795	568	1,831	1,787	1.80
Mkt. yr.	1,308	9,759	19	11,085	1,846	5,471	1,981	9,298	1,787	1.94
1999/00										
Sep-Nov	1,787	9,437	4	11,228	459	2,210	534	3,203	8,025	1.71
Dec-Feb	8,025	---	3	8,028	447	1,511	468	2,426	5,602	1.90
Mar-May	5,602	---	6	5,607	512	1,058	451	2,021	3,587	2.04
Mkt. yr.	1,787	9,437	15	11,239	1,920	5,625	1,900	9,445	1,794	1.80
2000/01										
Mkt. yr.	1,794	10,369	10	12,174	1,960	5,700	2,125	9,785	2,389	1.45-1.85
SORGHUM										
1998/99										
Sep-Nov	49	520	0	569	15	178	41	234	335	1.67
Dec-Feb	335	---	0	335	15	34	64	113	222	1.69
Mar-May	222	---	0	222	10	45	51	106	116	1.73
Jun-Aug	116	---	0	116	6	5	41	51	65	1.60
Mkt. yr.	49	520	0	569	45	262	197	504	65	1.66
1999/00										
Sep-Nov	65	595	0	660	18	229	65	312	348	1.45
Dec-Feb	348	---	0	348	18	28	77	123	226	1.58
Mar-May	226	---	0	226	13	22	64	99	127	1.81
Mkt. yr.	65	595	0	660	55	290	250	595	65	1.55
2000/01										
Mkt. yr.	65	578	0	643	55	275	240	570	73	1.20-1.60

Table 1--Feed Grains: Marketing year supply and disappearance, (cont.) 1/

Year/ Qtr.	Beg. stocks	Produc- tion	Im- ports	Supply	FSI	Feed & resid.	Ex- ports	Total disp.	End. stks.	Farm price
BARLEY	Million bushels									$/bu
1998/99										
Jun-Aug	119	352	7	479	44	101	8	152	326	2.03
Sep-Nov	326	---	7	333	39	16	8	63	271	1.97
Dec-Feb	271	---	6	277	37	32	7	76	201	1.89
Mar-May	201	---	9	210	51	12	5	68	142	1.85
Mkt. yr.	119	352	30	501	170	161	28	360	142	1.98
1999/00										
Jun-Aug	142	282	6	429	44	81	9	134	295	2.13
Sep-Nov	295	---	5	300	39	22	10	71	229	2.04
Dec-Feb	229	---	9	239	37	24	7	68	170	2.14
Mar-May	170	---	7	178	52	10	4	66	112	2.15
Mkt. yr.	142	282	28	451	172	137	30	339	112	2.15
2000/01										
Mkt. yr.	112	308	30	450	172	145	30	347	103	1.65-2.05
OATS										
1998/99										
Jun-Aug	74	166	28	268	17	89	0.5	106	162	1.15
Sep-Nov	162	---	36	198	16	38	0.4	54	143	1.08
Dec-Feb	143	---	22	166	14	38	0.5	53	113	1.20
Mar-May	113	---	22	134	22	31	0.3	53	81	1.23
Mkt. yr.	74	166	108	348	69	196	1.7	266	81	1.10
1999/00										
Jun-Aug	81	146	22	249	17	84	0.6	101	148	1.05
Sep-Nov	148	---	34	182	16	30	0.3	46	136	1.08
Dec-Feb	136	---	23	159	14	42	0.2	56	102	1.22
Mar-May	102	---	20	123	21	24	0.7	47	76	1.32
Mkt. yr.	81	146	99	326	68	180	1.8	250	76	1.10
2000/01										
Mkt. yr.	76	153	100	329	68	180	2.0	250	79	0.95-1.35

Totals may not add due to rounding.

1/ Corn and sorghum are on a September 1 to August 31 marketing year.
Barley and oats are on a June 1 to May 31 marketing year.

Table 2--Feed and residual use of wheat and coarse grains

Year Beginning September 1	Corn	Sorg.	Barley	Oats	Feed Grains	Wheat	Total grains	Animal Units	Feed/ animal unit
	Million metric tons							Mil.	Tons
1998/99									
Sep-Nov	53.8	4.5	0.3	0.6	59.3	-2.0	57.3		
Dec-Feb	37.1	0.9	0.7	0.6	39.3	0.3	39.6		
Mar-May	27.9	1.2	0.3	0.5	29.8	0.9	30.7		
Jun-Aug	20.2	0.1	1.8	1.3	23.4	7.4	30.8		
Mkt. yr.	139.0	6.7	3.1	3.0	151.8	6.6	158.4	88.1	1.80
% Change	-0.2	-28.2	-10.5	-1.5	-2.1	-24.9	-3.3	0.1	-3.5
1999/00									
Sep-Nov	56.1	5.8	0.5	0.5	63.0	-0.2	62.8		
Dec-Feb	38.4	0.7	0.5	0.7	40.3	0.9	41.2		
Mar-May	26.9	0.6	0.2	0.4	28.0	-0.3	27.7		
Mkt. yr.	142.9	7.4	3.1	2.8	156.2	7.8	164.0	89.3	1.84
% Change	2.8	10.7	0.7	-7.2	2.9	18.4	3.6	1.4	2.1
2000/01									
Mkt. yr.	144.8	7.0	2.9	2.9	157.6	6.8	164.4	89.3	1.84
% Change	1.3	-5.2	-5.8	2.2	0.9	-13.1	0.2	0.0	0.2

Table 3--Cash feed grain prices

	Corn, No. 2, Yel, Ctrl. IL 1/	Corn, No. 2, Yel, Gulf ports 1/	Sorghum, No. 2, Yel Texas South Panhandle 1/	Sorghum, No. 2, Yel, Gulf ports 1/	Barley, No. 2, feed, Duluth 2/	Barley, No. 3 or better, Malting, Minn. 2/	Oats, No. 2, Heavy white, Minn. 2/
Mkt. yr.	$/bu	$/bu	$/cwt	$/cwt	$/bu	$/bu	$/bu
95/96	3.91	4.30	7.30	7.19	2.67	3.69	2.28
96/97	2.74	3.07	5.02	5.03	2.32	3.18	2.03
97/98	2.45	2.78	4.72	4.76	1.90	2.50	1.70
98/99 3/	1.97	2.35	3.78	3.97	1.23	2.30	1.34
Monthly:							
1999:							
Mar	2.09	2.45	3.85	4.16	NQ	NQ	1.35
Apr	2.05	2.39	3.78	4.06	NQ	NQ	1.36
May	2.03	2.35	3.67	3.94	NQ	NQ	1.39
Jun	1.99	2.36	3.61	3.86	NQ	NQ	1.34
2000:							
Mar	2.08	2.42	3.19	4.16	NQ	NQ	1.34
Apr	2.09	2.43	3.83	4.10	NQ	NQ	1.45
May	2.15	2.43	3.49	4.27	NQ	NQ	NQ
Jun 3/	1.83	2.13	3.00	3.60	NQ	NQ	NQ

1/ Marketing year beginning September 1.
2/ Marketing year beginning June 1. 3/ Preliminary. NQ = No quote.

Table 4--Selected feed and feed by-product prices

	Soybean meal 44% slv. Decatur, IL 1/	Cotton-seed meal, 41% slv. Memphis 1/	Corn gluten feed, IL pts. 1/	Corn gluten meal, IL pts. 1/	Meat & bone meal, Central U.S. 1/	Dists.' dried grains, Lawrence-burg, IN 1/	Wheat midlgs, Kansas City 1/	Alfalfa farm price 2/
	$/ton							
Mkt. yr.								
95/96	217.27	186.12	116.47	319.35	222.07	151.37	118.08	87.20
96/97	260.37	191.47	93.05	341.50	272.44	142.87	91.18	101.80
97/98	186.55	150.40	69.65	290.45	192.56	109.76	76.30	107.00
98/99	130.56	109.86	59.87	234.72	137.32	85.77	54.74	88.10
Monthly:								
1999:								
Mar	127.20	106.90	56.00	198.00	124.50	92.00	68.50	83.20
Apr	128.60	110.90	54.25	192.50	128.70	83.00	54.10	86.40
May	127.00	108.75	56.90	201.25	129.60	84.00	41.40	96.60
Jun	131.70	114.50	57.90	209.50	137.10	87.00	45.70	85.00
2000:								
Mar	167.00	129.38	51.50	243.13	163.88	73.75	56.30	78.00
Apr	169.00	125.00	51.75	216.25	167.93	70.00	49.08	84.50
May	180.10	123.25	51.10	240.00	181.33	92.00	49.16	93.90
Jun 3/	170.18	130.63	48.80	223.75	174.64	76.00	49.00	85.70

1/ Marketing year beginning September 1.
2/ Marketing year beginning May 1. 3/ preliminary.

Table 5--Corn: Food and industrial uses

Year	HFCS	Glucose and dex.	Starch	Alcohol--- Fuel	---Alcohol Bev. & Mfg	Cereals & other products	Total F&I
	Million bushels						
1998/99							
Sep-Nov	123.1	56.6	60.8	132.4	31.1	45.9	449.9
Dec-Feb	116.6	48.7	57.6	132.9	32.6	45.4	433.8
Mar-May	140.5	56.2	60.1	138.8	34.1	46.4	476.0
Jun-Aug	150.2	57.7	61.2	121.8	29.4	46.4	466.7
Mkt year	530.5	219.1	239.8	525.8	127.1	184.2	1,826.4
% change prev	0.0	(0.0)	(0.0)	0.1	(0.0)	0.0	0.0
1999/00							
Sep-Nov	129.3	56.7	63.6	131.7	31.8	46.0	459.2
Dec-Feb	119.4	49.6	60.0	138.3	33.3	46.0	446.6
Mar-May	141.7	57.1	63.7	147.9	34.9	46.5	491.9
Mkt year	545.0	225.0	250.0	565.0	129.7	185.0	1,899.7
% change prev	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2000/01							
Mkt year	555.0	230.0	255.0	580.0	130.2	190.0	1,940.2
% change prev	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6--Wholesale corn milling product and by-product prices

	Corn meal, yellow, New York	Brewers' grits, Chicago	Sugar, destrose, Midwest	HFCS, 42% tank cars, Midwest	Corn starch, fob Midwest 3/
	$/cwt	$/cwt	cents/lb	cents/lb	$/cwt
Mkt. yr. 1/					
95/96	17.79	14.21	25.50	13.01	15.98
96/97	16.94	12.85	25.50	13.15	13.83
97/98	15.94	11.85	28.08	7.77	13.55
98/99 2/	15.06	11.00	24.24	8.04	12.28
Monthly					
1999:					
Apr	15.22	11.12	15.75	8.45	12.88
May	15.18	11.08	16.38	8.45	12.97
Jun	15.20	11.10	16.38	8.45	12.82
Jul	14.72	10.62	16.38	8.45	12.73
2000:					
Apr	15.26	11.16	16.38	9.25	12.94
May	15.90	11.80	16.38	9.25	13.06
Jun	15.29	10.25	16.38	9.25	13.36
Jul 2/	14.72	11.07	16.38	9.25	12.82

1/ Marketing year beginning September 1.
2/ Preliminary.
3/ Bulk-industrial, unmodified.

Table 7--U.S. imports by country of origin

Country/region	------1997/98--- Mkt. yr. June - May	------1998/99------ Mkt. yr. June - May	1999/2000 June - May
OATS		--------------------Thousand tons--------------------	
Canada	1,282	1,142	1,287
Finland	161	216	125
Sweden	176	443	276
Total 1/	1,696	1,856	1,703
BARLEY, MALTING			
Canada	733	567	543
Total 1/	733	567	543
BARLEY, OTHER 2/			
Canada	112	81	60
Total 1/	143	81	60

1/ Totals may not add due to rounding.
2/ Mainly consists of barley for feeding and also includes seed barley.

Source: Bureau of the Census

Table 8--U.S. feed grain exports by selected destinations 1/

Country/region	1997/98 Mkt. yr.	1997/98 Sept.-May	1998/99 Mkt. yr.	1998/99 Sept.-May	1999/2000 Sept.-May
CORN					
Japan	14,581	11,098	15,110	11,117	11,471
S. Korea	3,593	2,279	6,462	4,418	2,505
Mexico	4,116	2,984	5,387	4,360	3,955
Taiwan	3,801	3,053	4,365	3,072	3,900
Egypt	1,808	1,179	3,159	2,399	2,446
Colombia	1,175	879	1,512	1,131	1,296
Venezuela	655	464	1,288	941	740
Saudi Arabia	971	761	1,182	786	854
Algeria	861	637	955	699	642
Canada	1,423	1,069	867	516	636
Dominican Republic	644	473	777	551	700
Turkey	379	194	692	384	593
Peru	253	170	674	533	430
Morocco	350	217	592	385	434
Chile	147	147	486	392	517
Former USSR	23	22	405	209	480
China	212	53	204	154	58
South Africa	0	0	143	0	309
Other Sub-Saharan	336	315	298	54	137
EU	147	7	192	192	86
East Europe	19	19	12	12	35
Others	2,623	2,090	5,464	3,498	4,582
Total	38,117	28,110	50,228	35,803	36,807
SORGHUM					
Mexico	3,222	2,715	3,103	2,346	3,784
Japan	1,650	1,584	1,362	1,123	990
Others	463	421	433	405	339
Total	5,334	4,720	4,899	3,873	5,113

Country/region	1997/98 Mkt. yr.	1997/98 June-May	1998/99 Mkt. yr.	1998/99 June-May	1999/2000 June-May
BARLEY					
Saudi Arabia	922		0		0
Israel	0		0		0
Jordan	53		0		50
Japan	290		443		391
Mexico	124		94		104
Taiwan	94		0		5
Other	135		79		107
Total	1,617		615		657

1/ Totals may not add due to rounding. Source: Bureau of the Census