FEED OUTLOOK

FDS-0200

United States Department of Agriculture — Economic Research Service

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

HIGHLIGHTS

- o Total Feed Grain Ending Stocks Increased from Last Month
- o Feed and Residual Use Up from Last Year
- o U.S. Export Prospects Reduced by Increased Competition from China
- o World Coarse Grain Trade and Consumption Up, Stocks Down

FEED GRAIN ENDING STOCKS INCREASED FROM LAST MONTH

U.S. feed grain ending stocks in 1999/2000 are forecast at 49.4 million metric tons, up 1 percent from a month ago but down 4 percent from 1998/99. Reduced exports of corn and a small decline in feed and residual use of sorghum this month caused this increase. Total feed grain use is projected at 267.7 million tons, down 0.6 million tons from last month and up 3 percent from 1998/99.

FEED AND RESIDUAL USE UP FROM LAST YEAR

On a September-August marketing year, feed and residual use for the four feed grains plus wheat in 1999/2000 is up 0.3 million metric tons from last month and 5.2 percent from last year. The projected index of grain consuming animal units (GCAUs) for 1999/2000 is 90 million units, up 1.6 percent from 1998/99. Feed and residual used per GCAU in 1999/2000 is forecast at 1.86 tons, up 3.6 percent from 1998/99, and nearly the same as the 1.87 tons used in 1997/98. In the index components for 1999/2000, GCAUs for hogs are down and those for dairy, beef, and poultry are up.

The January 1, 2000, cattle inventory was down 1 percent from the 99.1 million head on January 1, 1999. However, all cattle and calves on feed were up 6 percent from last year. Helping to explains some of the increase in cattle on feed, the calf crop in 1998 was revised up 230,000 head, while the 1999 calf crop was raised 410,000 head from the midyear estimate. In calendar 2000, beef production is estimated at 25.7 billion pounds, up 3 percent from last month, but down 3 percent from 1999. With more cattle on feed, and beef production expected to increase, feed needs will remain strong.

Production of broilers, turkeys, and eggs in 2000 is expected to increase from anticipated 1999 levels and maintain strong demand for feed grains. Broiler production is expected to increase 5 percent as producers respond to good export and domestic demand. Turkey producers are expected to increase production 2 percent. Egg producers are expected to produce 7.08 billion dozen eggs, up 2 percent from 1999.

Pork production in 2000 is expected to decline 4 percent from last year, and is up 25 million pounds from last month’s estimate. In early December, hog farmers indicated they intended to decrease the number of sows farrowing in December 1999-May 2000 by 4 percent relative to the prior year. If producers carry through with these reported intentions, feed needs by the pork sector are likely to be weaker in 1999/2000.

Dairy cow numbers on January 1 were up 1 from the previous year, and with increased production per cow, milk production in 2000 is expected to total 165.5 billion pounds, up from 162.7 billion in 1999. Thus with increased milk production per cow, feed use by the dairy industry will continue strong.

CORN STOCKS PROJECTED AT 1,739 MILLION BUSHELS

Because of lower export prospects, the corn export forecast was decreased 25 million bushels this month to 1,950 million, down 2 percent from last year. No other changes were made in corn supplies or use, resulting in an increase in ending stocks. Ending stocks of corn in 1999/2000 are projected to increase 1 percent from last month but decline 3 percent from last year.

SORGHUM EXPORTS INCREASE

Sorghum exports for 1999/2000 were increased this month because of continued strong exports to Mexico. Projected exports were raised 15 million bushels, up 14 percent from 1998/99. Feed and residual was lowered a corresponding 15 million bushels, and with no change in food, seed, and industrial uses, ending stocks were unchanged. Even with the decrease this month, feed and residual in 1999/2000 is forecast up 24 percent from last year.

HAY STOCKS PER RCAU DECREASE, PRICES WEAK

As reported last month, hay stocks on December 1 were down 3 percent from a year earlier. In addition, the annual cattle and calves inventory was released since the last report. All cattle and calves numbers on January 1, 2000, were down 1 percent from last year. Recalculated roughage consuming animal units (RCAU's) in 1999/2000 are estimated to be down 2 percent from 1998/99. Hay stocks are 1.48 tons per RCAU, down from 1.5 last year, when stocks per RCAU were 9 percent above the prior year.

Midmonth prices for all hay reported by farmers in January 2000 were $71.80 per ton, up from $71.10 in December, and down from $78.50 in January 1999. Prices had been weakening relative to a year earlier, even with the drought in parts of the Great Plains. Prices received for alfalfa hay in January were $74.10 per ton, up from $73.20 in December but down from $81.40 a year earlier. Other hay prices averaged $7.76 per ton below a year earlier during May through January. In January the price of other hay was $65.90 per ton, the same as in December, but down from $70.60 a year earlier. Given current estimates of livestock numbers and hay stocks, prices may remain weak for the remainder of the hay marketing year.

PRICE EXPECTATIONS UNCHANGED FOR FEED GRAINS

The projected price range for corn is narrowed to $1.75-2.05 per bushel. The sorghum price forecast was also narrowed this month to $1.50-1.80 per bushel. Sorghum prices to date have averaged 85 percent of the corn price.

The all barley price is forecast at $2.05-2.15 per bushel. In June 1999-January 2000, the simple average of barley farm prices was $2.09 per bushel, up from $1.99 in the same period a year earlier. Malting barley's premium over feed barley has remained wide, averaging 84 cents so far, compared with 83 cents for the same period a year earlier, and the 10-year weighted average of 56 cents. The oats price forecast was unchanged this month at $1.05-

1.15 per bushel. Farm prices for oats in June 1999-January 2000 averaged $1.11, down from $1.16 for the same period in 1998/99.

LDPs SUPPORT FEED GRAIN FARMERS' INCOME

The 1996 Farm Act contained key policy tools to assist farmers when market prices are low. The key provisions are the "nonrecourse marketing assistance loans" and "loan deficiency payments" (LDPs). Producers that entered into Production Flexibility Contracts with USDA are eligible to participate in these programs.

As of February 14, 2000, eligible producers collected $1,892 million in LDP's covering 6,808 million bushels of 1999-crop corn or about 72 percent of the 1999 crop. The average payment rate was 28 cents per bushel on 914,039 contracts. In 1998, 58 percent of the corn produced received an LDP.

Sorghum producers have collected $145 million in LDPs on their 1999 crop, covering 474 million bushels or about 80 percent of the crop. The average payment rate was 31 cents per bushel on 116,682 contracts. In 1998, 67 percent of the sorghum crop received an LDP. For barley, producers have collected almost $36 million in LDPs covering 194 million bushels or about 69 percent of the crop. The average payment rate was 18 cents per bushel on 39,306 contracts. In 1998, 73 percent of the barley crop received an LDP. Oats producers have collected $27 million in LDPs covering 117 million bushels or about 80 percent of the 1999 crop. The average payment rate was 23 cents per bushel on 58,976 contracts. In 1998, 63 percent of the oats crop received an LDP.

U.S. EXPORT PROSPECTS REDUCED BY INCREASED COMPETITION FROM CHINA

Forecast U.S. October 1999-September 2000 corn exports were reduced by 1 million tons to 48 million, while exports by China were boosted 3 million to 8 million. China's export forecast increased because of stronger-than-expected sales and shipments. In December China exported 1.4 million tons of corn, and although that pace is not expected to continue, China reportedly has made large sales for shipment in coming months. China can easily increase corn exports because carryin stocks were huge and 1999 production, at 128 million tons, was 8 million tons larger than forecast consumption. Internal prices are still higher than world prices, so the exports require a government subsidy, but recent increases in U.S. corn prices have reduced the subsidy required. Even with sharply higher forecast exports this month, China's ending stocks are not expected to decline in 1999/2000.

According to *U.S. Export Sales*, U.S. corn shipments through February 3 (basically the first 5 months of the local September/August marketing year) were up 11 percent from a year earlier. However, exports in September 1999 were unusually large, so the increase for the October/September international marketing year is less. Moreover, as of early February outstanding sales were down 8 percent from a year earlier, foreshadowing a slowdown in U.S. export shipments in the latter half of 1999/2000. U.S. shipments to countries where China is most competitive, such as South Korea and Malaysia, are already down from a year ago.

WORLD COARSE GRAIN TRADE AND CONSUMPTION UP, STOCKS DOWN

China and U.S. corn export prospects in 1999/2000 are supported by increased import demand forecast this month. Global corn trade was boosted by 1.6 million tons, with stronger imports expected for Egypt, Taiwan, Philippines, and Russia, based on the strong pace of purchases. Moreover, South Korea's corn imports were boosted to a record 9 million tons, partly because of reduced imports of feed wheat, but also because feed demand has rebounded.

Forecast world trade for barley and sorghum also increased this month. The EU is expected to export barley at a record pace as drought in the Middle East has boosted demand for feed barley even though prices are significantly higher than for corn. U.S. sorghum shipments to Mexico have also exceeded expectations as the issuance of corn import licenses in calendar 2000 has been sluggish. Global 1999/2000 coarse grain trade is up 2 million tons this month to 98 million, the highest in a decade. Coarse grain trade in 1999/2000 is now also forecast 2 million tons higher than a year earlier.

Forecast 1999/2000 coarse grain consumption is up 3 million tons this month to 881 million, up 1 percent from the previous year. This global growth rate is less than the rate of population growth, but is a rebound from the drop estimated a year earlier, and in keeping with a gradual recovery in foreign macroeconomic growth.

With increased consumption and trade, world coarse grain ending stocks are forecast lower this month, at 148 million tons. The decline would have been larger, except that a historical revision of EU stocks increased both carryin and carryout stocks for the region by about 2 million tons. Although 1999/2000 global coarse grain stocks are forecast down 5 percent from last year, they remain well above the levels of the previous 5 years.

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Information Contacts: Allen Baker (202) 694-5290
International: Edward Allen (202) 694-5288
Data Coordinator: Jenny Gonzales (202) 694-5296

The next Feed Outlook will be released March 14, 2000.

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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
1996/97										
Sep-Nov	426	9,233	3	9,662	383	1,890	487	2,759	6,903	2.87
Dec-Feb	6,903	---	2	6,905	394	1,492	525	2,411	4,494	2.66
Mar-May	4,494	---	4	4,498	465	1,103	433	2,001	2,497	2.77
Jun-Aug	2,497	---	4	2,500	450	814	353	1,617	883	2.49
Mkt. yr.	426	9,233	13	9,672	1,692	5,299	1,797	8,789	883	2.71
1997/98										
Sep-Nov	883	9,207	2	10,092	429	2,036	380	2,845	7,247	2.53
Dec-Feb	7,247	---	1	7,248	418	1,510	380	2,308	4,940	2.55
Mar-May	4,940	---	4	4,944	464	1,089	350	1,904	3,040	2.45
Jun-Aug	3,040	---	2	3,042	470	870	394	1,734	1,308	2.12
Mkt. yr.	883	9,207	9	10,099	1,782	5,505	1,504	8,791	1,308	2.43
1998/99										
Sep-Nov	1,308	9,759	4	11,071	444	2,125	450	3,019	8,052	1.90
Dec-Feb	8,052	---	6	8,058	427	1,467	465	2,359	5,698	2.04
Mar-May	5,698	---	7	5,706	489	1,103	497	2,089	3,616	2.04
Jun-Aug	3,616	---	2	3,618	462	801	568	1,831	1,787	1.84
Mkt. yr.	1,308	9,759	19	11,085	1,822	5,496	1,981	9,298	1,787	1.94
1999/00										
Sep-Nov	1,787	9,437	4	11,228	453	2,221	534	3,208	8,020	1.70
Mkt. yr.	1,787	9,437	15	11,239	1,900	5,650	1,950	9,500	1,739	1.75-2.05
SORGHUM										
1996/97										
Sep-Nov	18	795	0	814	15	276	56	346	467	2.45
Dec-Feb	467	---	0	467	15	119	59	193	274	2.26
Mar-May	274	---	0	274	10	85	61	155	119	2.41
Jun-Aug	119	---	0	119	6	37	29	72	47	2.27
Mkt. yr.	18	795	0	814	45	516	205	766	47	2.34
1997/98										
Sep-Nov	47	634	0	681	18	239	49	307	374	2.26
Dec-Feb	374	---	0	374	18	38	83	139	235	2.24
Mar-May	235	---	0	235	12	71	55	139	96	2.16
Jun-Aug	96	---	0	96	6	17	24	47	49	2.08
Mkt. yr.	47	634	0	681	55	365	212	632	49	2.21
1998/99										
Sep-Nov	49	520	0	569	15	178	41	234	335	1.68
Dec-Feb	335	---	0	335	15	34	64	113	222	1.70
Mar-May	222	---	0	222	10	45	51	106	116	1.72
Jun-Aug	116	---	0	116	6	5	41	51	65	1.61
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	349	1.46
Mkt. yr.	65	595	0	660	55	325	225	605	55	1.50-1.80

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
1997/98										
Jun-Aug	109	360	12	482	44	87	24	155	327	2.31
Sep-Nov	327	---	7	334	39	12	39	90	244	2.45
Dec-Feb	244	---	8	252	37	29	6	72	180	2.42
Mar-May	180	---	13	193	53	16	5	74	119	2.26
Mkt. yr.	109	360	40	510	172	144	74	390	119	2.38
1998/99										
Jun-Aug	119	352	7	479	44	101	8	152	326	2.02
Sep-Nov	326	---	7	333	39	16	8	63	271	1.97
Dec-Feb	271	---	6	277	37	32	7	76	201	1.90
Mar-May	201	---	9	210	51	12	5	68	142	1.84
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	2.12
Sep-Nov	295	---	5	300	39	23	10	72	229	2.05
Mkt. yr.	142	282	25	449	172	125	30	327	122	2.05-2.15
OATS										
1997/98										
Jun-Aug	67	167	19	253	24	74	0.4	98	155	1.62
Sep-Nov	155	---	38	193	22	26	0.7	49	144	1.54
Dec-Feb	144	---	26	170	21	38	0.5	59	111	1.59
Mar-May	111	---	15	127	28	24	0.5	53	74	1.60
Mkt. yr.	67	167	98	332	95	161	2.1	258	74	1.60
1998/99										
Jun-Aug	74	166	28	268	24	82	0.5	106	162	1.15
Sep-Nov	162	---	36	198	22	32	0.4	54	143	1.08
Dec-Feb	143	---	22	166	21	32	0.5	53	113	1.20
Mar-May	113	---	22	134	28	25	0.3	53	81	1.23
Mkt. yr.	74	166	108	348	95	170	1.7	266	81	1.10
1999/00										
Jun-Aug	81	146	22	249	24	77	0.6	101	148	1.06
Sep-Nov	148	---	34	182	23	23	0.3	46	136	1.08
Mkt. yr.	81	146	100	328	96	150	2.0	248	80	1.05-1.15

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
1997/98									
Sep-Nov	51.7	6.1	0.3	0.5	58.5	-3.1	55.5		
Dec-Feb	38.3	1.0	0.6	0.6	40.6	0.0	40.6		
Mar-May	27.7	1.8	0.3	0.4	30.2	0.3	30.5		
Jun-Aug	22.1	0.4	2.2	1.3	26.0	11.6	37.6		
Mkt. yr.	139.8	9.3	3.4	2.8	155.3	8.8	164.1	87.9	1.87
% Change	3.9	-29.3	-5.6	7.3	0.9	14.5	1.5	3.1	-1.5
1998/99									
Sep-Nov	54.0	4.5	0.3	0.6	59.4	-2.0	57.4		
Dec-Feb	37.3	0.9	0.7	0.5	39.4	0.3	39.7		
Mar-May	28.0	1.2	0.3	0.4	29.9	0.9	30.8		
Jun-Aug	20.3	0.1	1.8	1.2	23.4	7.6	31.0		
Mkt. yr.	139.6	6.7	3.1	2.7	152.0	6.8	158.8	88.6	1.79
% Change	-0.2	-28.2	-10.5	-4.4	-2.1	-22.5	-3.2	0.7	-3.9
1999/00									
Sep-Nov	56.4	5.8	0.5	0.4	63.2	0.1	63.2		
Mkt. yr.	143.5	8.3	2.8	2.4	157.0	10.1	167.1	90.0	1.86
% Change	2.8	24.0	-8.7	-8.0	3.3	48.2	5.2	1.6	3.6

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:							
1998:							
Sep	1.78	2.18	4.81	3.84	NQ	NQ	1.30
Oct	1.94	2.43	4.91	4.00	NQ	NQ	1.29
Nov	2.09	2.47	4.91	4.15	NQ	NQ	1.32
Dec	2.08	2.42	4.82	4.12	NQ	NQ	1.31
1999:							
Sep	1.81	2.21	3.39	3.64	NQ	NQ	1.17
Oct	1.72	2.17	3.30	3.55	NQ	NQ	1.20
Nov	1.82	2.17	3.33	3.59	NQ	NQ	1.20
Dec	1.84	2.21	3.36	3.66	NQ	NQ	1.28

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	91.00
Monthly:								
1998:								
Sep	126.90	115.60	51.50	210.00	133.40	NQ	43.90	87.10
Oct	129.40	106.50	56.90	227.50	141.30	75.00	49.00	86.90
Nov	139.30	107.90	66.10	313.10	154.00	74.00	60.00	84.40
Dec	139.60	119.75	74.40	291.50	151.20	78.00	68.10	81.40
1999:								
Sep	144.06	111.92	55.50	258.13	142.21	88.00	57.64	77.30
Oct	147.19	111.83	58.38	265.00	150.17	88.00	54.83	76.00
Nov	148.10	112.00	62.80	250.00	159.72	88.00	52.90	77.30
Dec	145.40	124.20	59.00	234.40	156.70	88.00	62.80	73.20

1/ Marketing year beginning September 1.
2/ Marketing year beginning May 1. 3/ preliminary. NQ=No quote.

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						
1997/98							
Sep-Nov	122.8	63.4	59.6	116.1	33.2	34.0	429.1
Dec-Feb	116.8	56.2	56.7	122.2	32.8	33.6	418.3
Mar-May	139.4	60.7	58.3	118.3	33.5	34.4	444.5
Jun-Aug	153.4	64.7	58.9	124.6	33.5	34.4	469.4
Mkt year	532.3	244.9	233.5	481.1	133.0	136.5	1,761.2
1998/99							
Sep-Nov	127.6	60.5	57.8	132.4	31.1	34.5	443.8
Dec-Feb	120.8	52.0	54.7	132.9	32.6	34.1	427.1
Mar-May	145.4	60.0	57.1	138.8	34.1	34.8	470.1
Jun-Aug	155.4	61.6	58.2	121.8	29.4	34.8	461.2
Mkt year	549.3	234.1	227.8	525.8	127.1	138.2	1,802.2
1999/00							
Sep-Nov	133.7	60.6	60.4	131.7	31.9	34.8	453.2
Mkt year	575.0	240.0	240.0	555.0	130.5	140.0	1,880.5

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					
1998/99:					
Oct	14.89	10.99	30.65	7.40	11.71
Nov	15.07	10.97	30.65	7.65	12.10
Dec	14.91	10.81	30.65	7.83	12.10
Jan	15.13	11.03	30.65	7.95	11.95
1999/2000:					
Oct	14.89	10.79	16.38	9.25	11.89
Nov	14.42	10.32	16.38	9.25	11.65
Dec	14.57	10.47	16.38	9.25	11.83
Jan 2/	15.08	10.98	16.38	9.25	11.86

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		1998/99		1999/2000
	Mkt. yr.	Jun - Nov	Mkt. yr.	Jun - Nov	Jun - Nov
OATS	Thousand tons				
Canada	1,282	910	1,142	770	732
Finland	161	51	216	111	75
Sweden	176	22	443	212	154
Total 1/	1,696	983	1,856	1,094	961
BARLEY, MALTING					
Canada	733	362	567	247	225
Total 1/	733	362	567	247	225
BARLEY, OTHER 2/					
Canada	112	68	81	66	15
Total 1/	143	68	81	66	15

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.-Nov.	1998/99 Mkt. yr.	1998/99 Sept.-Nov.	1999/2000 Sept.-Nov.
CORN					
Japan	14,581	3,913	15,110	3,480	3,773
S. Korea	3,593	602	6,462	1,326	1,298
Mexico	4,116	647	5,387	1,281	1,248
Taiwan	3,801	1,151	4,365	1,118	1,386
Egypt	1,808	572	3,159	770	577
Colombia	1,175	290	1,512	360	462
Venezuela	655	178	1,288	289	221
Saudi Arabia	971	375	1,182	312	380
Algeria	861	263	955	231	244
Canada	1,423	385	867	251	310
Dominican Republic	644	147	777	132	214
Turkey	379	86	692	65	0
Peru	253	53	674	156	229
Morocco	350	83	592	75	76
Chile	147	72	486	167	194
Former USSR	23	22	405	0	83
China	212	0	204	154	58
South Africa	0	0	143	0	111
Other Sub-Saharan	336	32	298	68	41
EU	147	3	192	129	2
East Europe	19	19	12	0	35
Others	2,623	732	5,464	1,047	2,588
Total	38,117	9,628	50,228	11,412	13,532
SORGHUM					
Mexico	3,222	473	3,103	573	1,215
Japan	1,650	700	1,362	380	370
Others	463	73	433	35	59
Total	5,334	1,246	4,899	988	1,645

Country/region	1997/98 Mkt. yr.	1997/98 Jun-Nov	1998/99 Mkt. yr.	1998/99 Jun-Nov	1999/2000 Jun-Nov
BARLEY					
Saudi Arabia	922	908	0	0	0
Israel	0	0	0	0	0
Jordan	53	53	0	0	0
Japan	290	211	422	237	267
Mexico	124	68	94	50	65
Taiwan	94	60	0	0	5
Other	135	76	99	64	70
Total	1,617	1376	615	351	407

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