FEED OUTLOOK

FDS-1196

United States Department of Agriculture — Economic Research Service

Approved by the World Agricultural Outlook Board — November 13, 1996

HIGHLIGHTS

- 1996 Corn Production Forecast Raised to 9,265 Million Bushels
- Sorghum Crop Forecast Raised Another 23 Million Bushels
- Feed Grain Prices Declining
- International Competition To Remain Strong

INCREASE IN FEED GRAIN SUPPLY OUTSTRIPS PROSPECTIVE GAINS IN USE

Forecast feed grain supply for 1996/97 was raised 2.5 percent this month to 284.2 million metric tons because of larger corn and sorghum crops. This is more than 10 percent greater than the previous year, although well below 1994/95. Forecast use in 1996/97 was only increased slightly to 250.7 million tons.

More abundant supplies are pushing down feed grain prices and will lead to some rebuilding of stocks. Ending stocks of feed grains are projected up nearly 6 million tons from last month to 33.6 million, and more than double the 1995/96 total.

1996 CORN OUTPUT FORECAST UP 253 MILLION BUSHELS

U.S. corn production is forecast at 9,265 million bushels, based on conditions as of November 1, up 2.8 percent from last month. This stems from an increase in the forecast yield of 3.5 bushels per acre to an average of 126.5 bushels, reflecting favorable late season conditions. Compared with 1995, the crop is forecast nearly 26 percent higher.

Prospective yields increased across most of the Corn Belt, including Indiana and Ohio, as well as many other States such as Kansas and Texas. The largest single production gain was in Iowa. Record yields are forecast for Nebraska, Kansas, and Missouri, as well as some smaller producing States including Pennsylvania, Maryland, and Virginia.

Concerns about the negative impact of the late crop have now been largely alleviated. Killing frosts occurred later than normal in most of the major corn growing areas, allowing the crop to mature. The harvest is now just slightly behind average, with 79 percent harvested nationally as of November 10, compared with the 5-year average of 81 percent.

Although large, this month's increase in the forecast production is not unprecedented. In both 1992 and 1994, the November crop forecast was raised 4 percent. There are several rough similarities between the 1992 season and 1996. In both years, cool weather was favorable for pollination but tended to delay crop maturity. For the seven States where objective yield surveys are conducted, a record ear count per acre is indicated for 1996. The previous record for final ears per acre was set in 1992. Although the 1992 crop was planted on time, and this year's was planted late, the 1992 harvest was even slower, with only 50 percent of the crop harvested by the first week of November because of delays caused by heavy rains and snow.

SORGHUM CROP FORECAST AT 820 MILLION BUSHELS

Total sorghum production in 1996 is forecast at 820 million bushels, up 78 percent from last year, and 3 percent higher than October. Area harvested, at 12 million acres, is forecast up 45 percent from last year and yields are up 23 percent. The average yield is up 2 bushels from last month to 68.4 bushels per acre, the fourth largest on record.

Since the first of October, yields were up in Arkansas, Colorado, Kansas, and Nebraska, more than offsetting declines in Mississippi and Louisiana. Production in Kansas, the State with the largest acreage and production, is up 112 percent from last year, reflecting sharp increases in both acreage and yields. Nebraska has the highest State yield in 1996 at 94 bushels per acre, up from 58 in 1995. Kentucky and Missouri both have yields of 92 bushels per acre in 1996, up from 84 and 73 bushels in 1995.

PROJECTED CORN STOCKS INCREASED 204 MILLION BUSHELS

Forecast feed and residual use of corn in 1996/97 was raised 50 million bushels from last month to 4,975 million, in light of the larger crop and more attractive prices. This is up 6 percent from 1995/96. Corn will be competing with larger supplies of other grains and feedstuffs, limiting the potential gains. No changes were made in forecast exports or food and industrial use this month.

Ending stocks of corn in 1996/97 are projected at 1,107 million bushels, up 204 million from a month ago. This would be more than double the very low 426 million of 1995/96, but below those of 1994/95. As an indication of the dramatically different market setting from last year, the ratio of stocks-to-use is projected to rise to 12.9 percent from 5 percent last year.

CORN, SORGHUM, AND BARLEY PRICE FORECASTS CUT DUE TO LARGER SUPPLIES

The forecast season average farm price of corn in 1996/97 was lowered 30 cents this month to $2.50-2.90 per bushel in the face of the larger crop. The price forecast for sorghum was reduced 35 cents to $2.20-2.60 per bushel, also reflecting more abundant supplies. Sorghum prices are also expected to be much weaker relative to corn this year, falling below the historical relationship of about 92-94 percent. In 1995/96, sorghum prices nearly matched those of corn, averaging an unusually high 98 percent, given the very tight feed grain market.

Market prices for all the feed grains have continued to slide over the last month. Cash prices for corn at Central Illinois points fell as low as $2.51 per bushel in early November, down about 40 cents in a month, and the lowest since late May 1995. The December futures contract for corn dropped as low as $2.60 before a slight rebound prior to the November crop report.

The average farm price of corn fell to under $3.00 per bushel for the first in 11 months, to a preliminary $2.91 in October. This was down 65 cents from September, following a 74-cents drop from August to September. These were the sharpest month-to-month declines on record. The October farm price of sorghum was a preliminary $2.56 per bushel, down 49 cents from September, and the lowest since May 1995.

The forecast farm price of all barley for 1996/97 was trimmed 5 cents to $2.40-2.80 per bushel. Although falling corn prices will probably pull down barley prices, a fairly substantial share of the barley crop is normally marketed by this time, reducing the potential for large adjustments in the season average. At the onset of the barley marketing year, farm prices for feed barley were very strong at well over $3.00 per bushel, and in June feed barley actually received a premium over malting barley. Since then, a more typical pattern has begun to develop, with malting barley receiving a premium over feed, as feed grain supplies have started to rebound. This premium increased to 61 cents in October.

1995/96 FINAL CORN EXPORTS WERE 2,228 MILLION BUSHELS

Based on data from the Bureau of the Census, U.S. corn exports totaled 2,228 million bushels in 1995/96, up slightly from the previous forecast and 2 percent higher than 1994/95. This was the fourth highest export year on record and the highest since 1989/90. Sorghum exports declined about 11 percent to 198 million bushels.

Japan remained the top market for U.S. corn, taking nearly twice as much as the next largest customer, South Korea, although shipments were down 3 percent from 1994/95. Exports to South Korea were up nearly 4 percent to a record 8.3 million tons. Mexico surpassed Taiwan as the third leading destination, with exports more than doubling from the year before to a record 6.5 million tons (and more than double the NAFTA required minimum import level). This reflected strong demand and a short domestic crop. Exports to Taiwan were about unchanged, but it slipped to the fourth largest market. Exports to China declined more than 30 percent from the previous year and its rank fell from fourth to sixth.

There were many offsetting changes in U.S. exports to other markets. Sales to Malaysia, which normally buys from other Asian suppliers, were up sharply. Exports to South Africa were up due to a drought-reduced crop in 1995, while gains in sales to the Philippines reflected growing feed demand. On the other hand, there were notable declines in exports to North Africa, Iran, and Brazil.

Given total corn disappearance of 8,522 million bushels for 1995/96, the adjustment in the export data resulted in a drop of 13 million bushels in feed and residual use to 4,711 million.

INTERNATIONAL MARKET COMPETITION HEATS UP

The U.S. 1996/97 corn export forecast remains unchanged despite larger production and lower prices because of increasing competition in international markets. Forecast foreign coarse grain production is up this month, with increases for both importing countries and export competitors.

In the Southern Hemisphere, planting is underway. Argentina is expected to harvest 13.5 million tons of corn, up 1 million from last month, on increased area and favorable early season growing conditions. The forecast for Argentina's corn exports increased 750,000 tons, as Argentina is expected to sell aggressively. South Africa is forecast to export less, offsetting the increase for Argentina, because it is not expected to be as competitive at lower prices.

U.S. corn exports are facing strong competition from other grains as well. The European Union (EU) resumed export subsidies late this summer for the first time in over a year. The subsidies have been increasing as prices have dropped. Barley export restitutions for most of October averaged nearly $40 per ton, up from a very small or no subsidy in August. The EU is also subsidizing large exports of rye and oats. Canada and Australia are also expected to have large barley exports. Unfavorable harvest conditions damaged wheat quality in several Canadian regions, boosting supplies of feed wheat, that are expected to be marketed in direct competition with U.S. corn in markets like South Korea.


```
******************************************************************************
*  Information Contacts:          Pete Riley     (202) 501-8512              *
*                                 Allen Baker    (202) 219-0360              *
*      International Analysis:    Edward Allen   (202) 219-0831              *
*      Data Coordinator:          Jenny Gonzales (202) 219-0704              *
*      The next Feed Outlook will be released December 13, 1996.             *
******************************************************************************
```


NOTE: THE ANNUAL FEED YEARBOOK IS NOW SCHEDULED FOR MARCH 1997.

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
1993/94										
Sep-Nov	2,113	6,336	5	8,455	380	1,703	435	2,518	5,937	2.34
Dec-Feb	5,937	---	8	5,945	376	1,243	330	1,949	3,996	2.71
Mar-May	3,996	---	6	4,002	418	955	270	1,642	2,360	2.67
Jun-Aug	2,360	---	1	2,361	418	800	293	1,511	850	2.34
Mkt. yr.	2,113	6,336	21	8,470	1,591	4,700	1,328	7,620	850	2.50
1994/95										
Sep-Nov	850	10,103	2	10,955	406	2,019	449	2,874	8,080	2.05
Dec-Feb	8,080	---	4	8,084	406	1,497	590	2,493	5,592	2.18
Mar-May	5,592	---	3	5,595	445	1,167	568	2,180	3,415	2.35
Jun-Aug	3,415	---	1	3,416	434	854	570	1,858	1,558	2.59
Mkt. yr.	850	10,103	10	10,962	1,690	5,537	2,177	9,405	1,558	2.26
1995/96										
Sep-Nov	1,558	7,374	4	8,935	409	1,760	660	2,830	6,106	2.80
Dec-Feb	6,106	---	5	6,111	397	1,352	562	2,311	3,800	3.15
Mar-May	3,800	---	5	3,805	411	1,066	610	2,087	1,718	3.76
Jun-Aug	1,718	---	3	1,721	366	533	396	1,294	426	4.31
Mkt. yr.	1,558	7,374	16	8,948	1,583	4,711	2,228	8,522	426	3.24
1996/97										
Mkt. yr.	426	9,265	10	9,702	1,670	4,975	1,950	8,595	1,107	2.50-2.90
SORGHUM										
1993/94										
Sep-Nov	175	534	0	709	1	223	39	263	446	2.22
Dec-Feb	446	---	0	446	1	109	60	170	276	2.59
Mar-May	276	---	0	276	1	83	64	148	128	2.39
Jun-Aug	128	---	0	128	1	41	38	81	48	2.10
Mkt. yr.	175	534	0	709	4	456	202	662	48	2.31
1994/95										
Sep-Nov	48	649	0	697	0	210	64	274	422	1.91
Dec-Feb	422	---	0	422	1	80	61	142	281	2.02
Mar-May	281	---	0	281	1	67	54	122	159	2.18
Jun-Aug	159	---	0	159	1	43	43	87	72	2.64
Mkt. yr.	48	649	0	697	3	400	223	625	72	2.13
1995/96										
Sep-Nov	72	460	0	532	1	176	54	231	301	2.36
Dec-Feb	301	---	0	301	1	71	67	139	163	3.25
Mar-May	163	---	0	163	1	55	36	92	70	3.94
Jun-Aug	70	---	0	70	1	10	41	52	18	3.63
Mkt. yr.	72	460	0	532	4	312	198	514	18	3.19
1996/97										
Mkt. yr.	18	820	0	839	4	525	225	754	85	2.20-2.60

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
1993/94										
Jun-Aug	151	398	3	552	43	92	15	150	403	1.91
Sep-Nov	403	---	11	413	37	28	15	80	333	2.02
Dec-Feb	333	---	24	357	34	87	12	133	224	2.19
Mar-May	224	---	34	258	53	43	24	119	139	2.24
Mkt. yr.	151	398	71	621	166	250	66	482	139	1.99
1994/95										
Jun-Aug	139	375	24	538	44	122	20	186	352	2.00
Sep-Nov	352	---	14	366	36	32	19	87	279	1.98
Dec-Feb	279	---	14	292	36	53	11	99	193	2.05
Mar-May	193	---	14	207	51	27	17	95	113	2.15
Mkt. yr.	139	375	66	580	166	235	66	467	113	2.03
1995/96										
Jun-Aug	113	360	12	484	42	113	17	172	313	2.53
Sep-Nov	313	---	8	321	38	30	11	78	243	2.80
Dec-Feb	243	---	8	251	34	19	20	73	178	3.18
Mar-May	178	---	12	190	52	23	16	91	100	3.29
Mkt. yr.	113	360	41	513	166	185	62	413	100	2.89
1996/97										
Mkt. yr.	100	397	45	541	166	235	35	436	105	2.40-2.80
OATS										
1993/94										
Jun-Aug	113	207	17	337	32	84	1.5	118	219	1.35
Sep-Nov	219	---	35	254	29	30	0.7	60	194	1.33
Dec-Feb	194	---	31	225	27	51	0.5	79	147	1.42
Mar-May	147	---	24	170	37	28	0.2	65	106	1.39
Mkt. yr.	113	207	107	427	125	193	3.0	321	106	1.36
1994/95										
Jun-Aug	106	229	20	355	32	103	0.2	135	220	1.19
Sep-Nov	220	---	34	254	30	32	0.2	62	192	1.19
Dec-Feb	192	---	23	215	28	38	0.4	66	149	1.21
Mar-May	149	---	16	165	35	29	0.2	64	101	1.36
Mkt. yr.	106	229	93	428	124	202	1.0	327	101	1.22
1995/96										
Jun-Aug	101	162	28	290	32	78	0.4	110	180	1.48
Sep-Nov	180	---	26	206	30	23	0.5	53	153	1.52
Dec-Feb	153	---	18	171	27	30	0.3	58	113	1.94
Mar-May	113	---	9	122	34	21	0.8	56	66	2.21
Mkt. yr.	101	162	81	343	123	152	2.0	277	66	1.68
1996/97										
Mkt. yr.	66	155	85	307	120	115	3.0	238	69	1.65-2.05

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
1993/94									
Sep-Nov	43.2	5.7	0.6	0.5	50.1	-1.0	49.0		
Dec-Feb	31.6	2.8	1.9	0.8	37.1	1.1	38.1		
Mar-May	24.2	2.1	0.9	0.5	27.8	-0.7	27.1		
Jun-Aug	20.3	1.0	2.7	1.5	25.6	10.2	35.8		
Mkt. yr.	119.4	11.6	6.1	3.4	140.4	9.6	150.0	84.0	1.79
% Change	-10.7	-3.1	58.1	7.1	-8.0	145.2	-4.2	1.5	-5.6
1994/95									
Sep-Nov	51.3	5.3	0.7	0.6	57.9	-0.8	57.1		
Dec-Feb	38.0	2.0	1.2	0.6	41.8	0.7	42.5		
Mar-May	29.6	1.7	0.6	0.5	32.4	-0.8	31.6		
Jun-Aug	21.7	1.1	2.5	1.2	26.4	8.3	34.7		
Mkt. yr.	140.6	10.2	4.91	2.8	158.5	7.4	166.0	84.3	1.97
% Change	17.8	-12.4	-19.4	-15.8	12.9	-22.4	10.6	0.4	10.2
1995/96									
Sep-Nov	44.7	4.5	0.7	0.4	50.2	-2.7	47.5		
Dec-Feb	34.3	1.8	0.4	0.5	37.1	0.3	37.4		
Mar-May	27.1	1.4	0.5	0.3	29.3	-1.8	27.5		
Jun-Aug	13.5	0.2	3.1	0.9	17.8	10.4	28.1		
Mkt. yr.	119.7	7.9	4.6	2.1	134.4	6.2	140.6	84.9	1.66
% Change	-14.9	-22.0	-5.7	-24.5	-15.3	-16.4	-15.3	0.7	-15.9
1996/97									
Mkt. yr.	126.4	13.3	4.1	2.1	145.9	8.0	153.9	85.7	1.80
% Change	5.6	68.4	-11.5	-2.6	8.6	28.6	9.5	0.9	8.5

Table 3--Grain shipments and rates

	1994/95 Mkt. Yr.		-------1995/96---- Mkt. Yr.	-------1995/96---- September	----1996/97---- September
Barge shipments 1/ (Million ton/month)	3.1	4/	3.7	3.9	NA
Barge rate index 2/ (Dec 1990 = 100)	160.8		151.5	224.8	116.2
Railcar loadings 3/ (1,000 cars/week)	28.5		28.2	31.2	17.9
Rail rate index 2/ (Dec 1984 = 100)	116.6		116.7	117.0	116.1

1/ Illinois & Mississippi rivers. Includes soybeans and all grains.
Source: U.S. Army Corps of Engineers
2/ Source: Bureau of Labor Statistics
3/ Includes soybeans and all grains.
Source: Association of American Railroads.
4/ 11-months average. NA = Not available.

Table 4--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
92/93	2.12	2.46	4.06	4.27	2.11	2.37	1.58
93/94	2.54	2.85	4.95	4.90	2.05	2.48	1.55
94/95	2.34	2.78	4.75	4.62	2.02	2.75	1.36
95/96 3/	3.91	4.30	7.30	7.19	2.67	3.69	2.28
Monthly:							
1995:							
Jun	2.65	3.04	5.26	4.97	2.22	3.15	1.73
Jul	2.79	3.23	5.61	5.41	2.25	3.69	1.92
Aug	2.68	3.21	5.53	5.38	2.09	3.22	1.96
Sep	2.83	3.32	5.84	5.78	2.06	3.58	2.04
1996:							
Jun	4.74	4.99	8.57	7.95	3.22	3.28	2.11
Jul	4.70	5.07	8.35	7.38	2.79	3.74	2.48
Aug	4.48	4.73	7.43	6.89	2.60	3.40	2.36
Sep	3.39	3.69	6.30	5.89	2.34	3.15	2.08

1/ Marketing year beginning September 1.
2/ Marketing year beginning June 1.
3/ Preliminary.

Table 5--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/ 3/
	$/ton							
Mkt. yr.								
92/93	180.80	159.22	95.95	284.60	220.93	122.84	69.69	78.20
93/94	181.82	168.36	88.62	286.61	206.81	123.79	81.51	89.30
94/95	151.77	112.64	82.77	221.95	170.51	106.70	65.04	92.10
95/96	217.27	186.12	116.47	319.35	222.07	151.37	118.08	88.20
Monthly:								
1995:								
Jun	149.10	108.75	79.90	208.10	161.60	98.90	63.61	91.60
Jul	160.10	116.90	81.90	218.75	159.80	101.00	61.80	89.60
Aug	157.50	116.50	79.40	232.00	157.40	NQ	71.90	87.00
Sep	171.75	137.60	81.60	250.00	166.70	112.00	88.10	86.80
1996:								
Jun	227.90	192.20	122.10	315.00	231.80	190.00	127.80	96.90
Jul	242.30	201.75	109.30	308.50	239.60	175.40	112.70	92.90
Aug	251.10	193.10	111.60	295.00	246.60	NQ	115.80	96.00
Sep	265.50	193.10	115.75	329.40	279.80	164.00	115.40	95.70

1/ Marketing year beginning September 1.   NQ = No quotes.
2/ Marketing year beginning May 1.
3/ Includes monthly & marketing year revisions from 1994/95.

Table 6--Corn: Food, and industrial uses

Year	HFCS	Glucose and dex.	Starch	---Alcohol--- Fuel	Bev. & Mfg	Cereals & other products	Total F&I
				Million bushels			
1993/94							
Sep-Nov	98.5	55.8	56.4	112.2	27.7	29.4	380.1
Dec-Feb	95.3	49.6	52.7	119.3	29.9	29.1	375.8
Mar-May	118.0	56.7	56.3	112.4	24.9	29.7	398.2
Jun-Aug	131.8	60.8	57.3	114.3	23.2	29.7	417.1
Mkt year	443.6	222.9	222.7	458.3	105.8	118.0	1571.3
1994/95							
Sep-Nov	104.6	58.8	57.3	134.4	21.2	29.4	405.8
Dec-Feb	100.5	51.5	55.0	141.5	27.9	29.1	405.5
Mar-May	123.8	58.4	56.2	137.7	24.2	29.7	430.1
Jun-Aug	135.6	62.3	57.3	119.1	26.7	29.7	430.8
Mkt year	464.6	231.1	225.7	532.8	100.0	118.0	1672.1
1995/96							
Sep-Nov	110.1	60.7	55.8	121.1	32.3	29.4	409.4
Dec-Feb	105.1	52.9	51.5	120.8	37.5	29.1	396.9
Mar-May	130.8	60.7	54.9	91.8	25.0	29.7	393.1
Jun-Aug	136.2	62.8	57.0	61.9	15.5	29.7	363.2
Mkt year	482.2	237.0	219.3	395.7	110.4	118.0	1562.6
1996/97							
Mkt year	505.0	245.0	230.0	450.0	100.0	120.0	1650.0

Table 7--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/					
92/93	13.39	9.68	24.50	13.30	10.70
93/94	14.49	10.98	25.44	14.63	12.61
94/95	13.22	10.67	25.62	12.27	12.43
95/96 2/	17.79	14.21	25.50	13.01	15.98
Monthly					
1995:					
Jul	13.85	11.30	25.50	11.70	13.64
Aug	13.80	11.25	25.50	11.80	13.85
Sep	14.34	11.80	25.50	11.80	13.67
Oct 2/	14.76	12.23	25.50	12.55	13.94
1996:					
Jul	20.45	16.35	25.50	13.15	18.65
Aug	21.72	17.62	25.50	13.15	19.19
Sep	20.38	16.29	25.50	13.15	18.50
Oct 2/	17.28	13.20	25.50	13.15	15.41

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

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

Country/region	1993/94 Sep-Aug	1994/95 Sep-Aug	1995/96 Sep-Aug
	Thousand tons		
CORN			
Japan	12,322	15,849	15,303
S. Korea	508	8,005	8,285
Mexico	1,468	2,985	6,453
Taiwan	5,077	6,027	5,938
EU	1,765	2,836	2,842
China	0	3,240	2,207
Egypt	1,553	2,569	2,167
Canada	603	1,096	808
Algeria	1,176	1,000	522
South Africa	12	187	347
Sub-Saharan Africa	394	449	321
East Europe	48	112	188
Former USSR	2,909	140	34
Others	5,813	10,723	11,077
Total	33,649	55,218	56,494
SORGHUM			
Mexico	2,972	2,557	1,759
Japan	1,640	2,050	1,617
Others	432	1,008	1,591
Total	5,044	5,615	4,968

	1994/95 Mkt. yr.	1994/95 June-Aug	1995/96 Mkt. yr.	1995/96 June-Aug	1996/97 June-Aug
BARLEY					
Saudi Arabia	203	0	373	0	0
Israel	468	199	42	42	7
Jordan	51	51	0	0	0
Others	671	145	932	362	163
Total	1,392	394	1,347	405	170

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

Table 9--U.S. imports by country of origin

Country/region	1994/95 Mkt. yr.	1994/95 June-Aug	1995/96 Mkt. yr.	1995/96 June-Aug	1996/97 June-Aug
	Thousand tons				
OATS					
Canada	1,161	255	1,302	408	106
Finland	374	71	22	8	0
Sweden	70	26	62	62	0
Other	0	0	0	0	0
Total 1/	1,605	351	1,387	478	106
BARLEY, MALTING					
Canada	715	215	740	191	142
Other	0	0	0	0	0
Total 1/	716	215	740	191	142
BARLEY, OTHER 2/					
Canada	702	300	141	68	51
Other	16	10	6	0	0
Total 1/	719	310	147	68	51

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