Approved by the World Agricultural Outlook Board

December 13, 1996

HIGHLIGHTS

- o Corn Export Projection Reduced, Stocks Raised 50 Million Bushels
- o Corn and Sorghum Price Projections Lowered
- Use of Corn for Ethanol Begins To Recover

LITTLE CHANGE IN FEED GRAIN OUTLOOK THIS MONTH

No new U.S. production estimates were released this month, but there were some adjustments in forecast supply and use because of changes in trade. Projected ending stocks of corn in 1996/97 are up 50 million bushels due to a reduction in exports. Forecast barley imports were reduced 5 million bushels, with a corresponding drop in ending stocks. The forecast of oats imports was increased 5 million bushels and the additional supply placed in feed and residual use. The total feed grain outlook is essentially unchanged, as the decline in projected use slightly outweighs the minor decrease in supply.

The corn harvest is virtually complete, with 96 percent of the crop harvested as of December 1, just above the average of 95 percent. The only State where the harvest is much behind average is Ohio, with 85 percent complete. December is normally a slow period for the feed grain market, and activities should pick up at the start of the new year. USDA will release final crop production estimates on January 10, along with estimates of grain stocks as of December 1.

Market conditions are dramatically different from a year ago because of a sharp rebound in feed grain supplies, forecast up more than 10 percent from 1995/96. Ending stocks are expected to more than double from the extremely low point reached at the end of 1995/96. While total feed grain use is projected to rise only 3 percent in 1996/97, it would still be second only to the record high in 1994/95, and about equal to 1992/93.

SLOW SALES DROP U.S. CORN EXPORT FORECAST 50 MILLION BUSHELS

Projected ending stocks of corn in 1996/97 were raised 50 million bushels this month to 1,157 million because of lower exports. U.S. corn exports are forecast at 1,900 million bushels, down 50 million from last month and 15 percent less than exported a year ago.

Prospects for U.S. corn exports were reduced because of lower imports forecast for Brazil, Mexico, and Japan. Mexico is expected to import less corn and sorghum due to increased production from last year. Japan is increasing the portion of sorghum used in mixed feeds and boosting imports of sorghum (offsetting the decline in demand from Mexico), but this is expected to result in smaller corn imports. Brazil's corn production forecast was increased this month, reducing import prospects.

The 1996/97 forecast of foreign coarse grain production was raised 1.8 million tons this month, with increased corn production in Brazil and Hungary and barley production in Kazakstan. Compared with 1995/96, foreign coarse grain production is forecast up 5 percent, while consumption is only expected to increase 1 percent, resulting in a rise in foreign stocks.

World coarse grain trade is expected to decline 3 percent. Reduced global imports and increased competitor exports of barley and feed wheat are expected to reduce U.S. corn export prospects. World corn trade in 1996/97 is forecast down 7 percent from a year ago. Although foreign corn production is forecast up 3 percent, foreign corn exports are expected to share in the drop in world corn trade, declining 4 percent.

According to <u>U.S. Export Sales</u>, corn shipments from September 1 through December 5 lagged year-earlier levels by 30 percent, and outstanding sales were 25 percent less than a year ago. However, last year corn export marketing started out unusually strong. In 1994, corn shipments through the first week of December were only 2 percent greater than this year, and outstanding sales at that time were 8 percent lower. Corn exports in 1994/95 started slowly, but reached 2,177 million bushels for the year, after the sales pace accelerated in later months following China's ban on corn exports.

U.S. BARLEY IMPORT FORECAST REDUCED, OATS IMPORTS UP

The forecast for U.S. barley imports in 1996/97 was reduced 5 million bushels to 40 million. Although barley production is up sharply to a record in Canada, the pace of shipments from Canada to the United States has been slower than expected, with Canada shipping mostly to other markets. The U.S. barley export forecast was unchanged this month at 35 million bushels, but down sharply from last year. Japan is buying more barley from Canada, but increased shipments of malting barley to Mexico have limited the overall decline in U.S. barley exports. Last year, Japan became the largest importer of U.S. barley when short supplies limited Canada's exports, causing Japan to turn to the United States.

The U.S. oats import forecast was increased 5 million bushels as the pace of imports picked up in September when new-crop supplies from Canada became available. Preliminary Canadian data indicate that exports to the United States will continue large in October and November. In addition, some shipments of oats from Scandinavia are also expected in coming months.

SIGNS OF RECOVERY IN ETHANOL PRODUCTION

Food, seed and industrial (FSI) use of corn in 1996/97 is forecast to total 1,670 million bushels, unchanged from last month and up 5.5 percent from 1995/96. Use at this level in 1996/97 would represent 17 percent of total supply, down from 18 percent in 1995/96 when supply was lower. The short crop in 1995 strengthened prices and cut industrial use of corn, with all the reductions in ethanol and starch. In 1996/97, corn use is expected to rebound for both categories.

With corn in short supply and prices high, corn used in ethanol bottomed out in June and July 1996 at about 19 million bushels in each month, way down from the peak of 49 million in January 1995. After slight gains in August and September, production in October rebounded and used 38 million bushels. With corn prices declining and byproduct feeds not declining as rapidly, net corn costs (corn prices less the value of the byproducts) for wet millers have dropped to \$1.23 per bushel in October, down from a high of \$3.08 in July. Net corn costs for dry mill ethanol producers peaked in May at \$3.23 per bushel, and were \$1.40 in October 1996. Dry mill producers sell fewer byproducts so net corn costs are usually higher. However, dry millers get a higher ethanol yield from each bushel of corn. By October, net corn costs had retreated to near their early 1995 levels.

In recent weeks, fuel ethanol prices have declined from their summer highs, and gasoline prices have been strong. This is expected to lead to more ethanol blending which will keep ethanol in the marketing channel and in competition with MTBE. Many times when products

leave the market, consumers switch to alternatives and the product has to buy its market back, usually a costly proposition. Ethanol may have avoided this pitfall, partly because methanol to produce MTBE has become more costly also.

Starch production was down in 1995/96 partly because of higher input prices but also because of the paper market. Paper production was down as users apparently were working off supplies laid in when prices were rising. Users could also switch types of starch but it is not known how much of that has been done. Starch use should begin to increase in 1996/97 as paper production stabilizes and the economy continues to grow.

Corn sweeteners continued to use more corn even in the face of high 1995/96 prices. Although beverages continue to be the major use, sweeteners are used in more food products to make them taste better, to give texture, and to give other desired properties as fats are cut back. Chemists can customize corn sweeteners for many applications, such as different degrees of sweetness and taste properties. These properties are also useful in producing processed foods that are or appear "freshly" made or like "homemade" products. As a result, per capita sweetener use continues to increase faster than the rate of growth in the population.

UPDATE ON FEED AND RESIDUAL USE

Feed and residual use in 1996/97 of the four feed grains (corn, sorghum, barley, and oats) is expected to total 146 million tons, up from 134 million in 1995/96. If wheat is included, the total is expected to reach 154 million tons in 1996/97, up from 141 million. Corn comprises the biggest share of the total at 87 percent in 1996/97 and 89 percent in 1995/96. The large grain sorghum crop in 1996 will boost the percent of sorghum use to 9 percent, from 6 percent in 1995/96.

Grain consuming animal units (GCAU's) in 1996/97 are expected to be up 2 percent from the 84.9 million units in 1995/96. With the lower cost of grain, more cattle are entering feedlots at a younger age and will likely consume more grain than had they remained on pasture longer.

Strong corn prices caused a decline in pig crops in the spring from a year ago. The fall pig crop is expected to be down from a year ago if producers carried through with their intentions. As corn prices have moderated, many analysts expect hog producers to begin increasing production. If so, then more grain will be needed for these animals, but part of that will come from next year's crop.

The poultry sector is strongly affected by grain prices. Broiler producers either cut production slightly or slowed rates of expansion earlier than other livestock sectors. This helped to support product prices and partly offset the higher grain prices. Continued strong demand for grain is expected by the poultry industry.

PRICE OUTLOOK WEAKENS FOR CORN AND SORGHUM

The drop in projected corn exports and increase in stocks led to a slight drop in expected prices from a month ago. The forecast of the 1996/97 season average farm price was reduced 10 cents on the top end of the range to \$2.50-2.80 per bushel. In November, the average farm price of corn declined for the fourth straight month to a preliminary \$2.64, the lowest since August 1995.

Cash and futures prices for corn were relatively flat in the last few weeks, rebounding slightly after steep declines from summer highs that continued into early November. Most futures

contracts for the 1996/97 marketing year were trading around \$2.65 per bushel by early December. Despite slipping expectations in recent weeks, the 1996/97 price would still rank well ahead of most recent years, excluding the 1995/96 record. From 1990 to 1994, the farm price of corn averaged \$2.30 per bushel.

The sharp increase in sorghum supplies this year, coinciding with the increase in corn, is putting strong downward pressure on prices. A larger reduction was made in the sorghum farm price forecast this month, down 5 cents at the low end and 10 cents at the top end to \$2.15-2.45 per bushel. During the first 3 months of the marketing year, sorghum prices received by farmers nationally have averaged just 85 percent of corn. In contrast, sorghum prices averaged 102 percent of corn in the first 3 months of 1995/96 when the feed grain situation was tightening.

TIMING OF FARM SALES IMPORTANT INFLUENCE ON CORN PRICE

The timing of sales and the extent to which producers price crops in advance of harvest play an important role in determining the season average price of corn. In 1995/96, a larger than normal share of corn was marketed early in the year, and prior to the dramatic runup in prices. In the first 3 months of 1995/96, 38.1 percent of the corn was marketed, the largest share in data checked back to 1980. The 15-year average was 32.1 percent. In addition, a substantial amount was contracted before prices rallied, and, even when delivered later in the year, this corn was priced far below spot prices.

With strong prices prevailing most of the summer, there were opportunities to hedge or lock in attractive prices for 1996/97. While farmers in southern States realized strong premiums for their early delivered corn, anecdotal evidence suggests that elsewhere a large portion of the crop has not yet been sold. Reports of slower farm sales than normal apparently reflect a backlash against last year's experience. (There are no public data on the amount of contracting or other sales arrangements.)

If marketings are later than usual, it's not entirely clear what the price impact would be. Using current futures prices as an indicator results in only a minor change in the season average because contracts are trading in a relatively narrow range. However, heavier than normal sales in the winter or spring months would tend to depress prices. On the other hand, if a more significant quantity of corn was priced in advance, this would tend to support the annual weighted average price received by farmers.

Another factor will be expectations about 1997. Corn prices typically bottom out around harvest and then slowly rise in the following months, peaking in midsummer before the next harvest. This seasonal pattern usually does not hold in years preceding a large crop. If the market anticipates large acreage for 1997, prices may start to decline by early spring.

NOTE: THE ANNUAL FEED YEARBOOK IS 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										
1993/94 Sep-Nov Dec-Feb Mar-May Jun-Aug	5,937 3,996		5 8 6 1	4,002	380 376 418 418	1,243 955	435 330 270 293		3,996	2.34 2.71 2.67 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 Dec-Feb Mar-May Jun-Aug	8,080		4	10,955 8,084 5,595 3,416	406 406 445 434	1,497 1,167	449 590 568 570	2,874 2,493 2,180 1,858	8,080 5,592 3,415 1,558	2.05 2.18 2.35 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 Dec-Feb Mar-May Jun-Aug	6,106 3,800				409 397 411 366	1,352 1,066	660 562 610 396	2,311	6,106 3,800 1,718 426	2.80 3.15 3.76 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	1,900	8,545	1,157	2.50-2.80
SORGHUM 1993/94 Sep-Nov Dec-Feb Mar-May Jun-Aug	175 446 276 128		0 0 0	709 446 276 128	1 1 1 1	223 109 83 41	39 60 64 38	263 170 148 81	446 276 128 48	2.22 2.59 2.39 2.10
Mkt. yr.	. 175	534	0	709	4	456	202	662	48	2.31
1994/95 Sep-Nov Dec-Feb Mar-May Jun-Aug	48 422 281 159		0 0 0	697 422 281 159	0 1 1	210 80 67 43	64 61 54 43	274 142 122 87	422 281 159 72	1.91 2.02 2.18 2.64
Mkt. yr.	. 48	649	0	697	3	400	223	625	72	2.13
1995/96 Sep-Nov Dec-Feb Mar-May Jun-Aug	72 301 163 70		0 0 0 0	532 301 163 70	1 1 1	176 71 55 10	54 67 36 41	231 139 92 52	301 163 70 18	2.36 3.25 3.94 3.63
Mkt. yr.	. 72	460	0	532	4	312	198	514	18	3.19
1996/97										
Mkt. yr.	. 18	820	0	839	1	245	60	306	533	2.15-2.45

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

		Produc- tion								Farm price
BARLEY 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 Mar-May	279 193		14 14	292 207	36 51	53 27	11 17	99 95	193 113	2.05 2.15
Mkt. yr.	139	375	66	580	166	235	66	467	113	2.03
race. yr.	137	373	00	300	100	233	00	107	113	2.03
1995/96										
Jun-Aug	113	360	12	484	42	113	17	172	313	2.53
Sep-Nov Dec-Feb	313 243		8 8	321 251	38 34	30 19	11 20	78 73	243 178	2.80 3.18
Mar-May	178		12	190	52	23	16	91	100	3.29
11612 11617	_, _				02					
Mkt. yr.	113	360	41	513	166	185	62	413	100	2.89
1996/97										
Mkt. yr.	100	397	40	536	166	235	35	436	100	2.50-2.70
OATS										
1993/94	110	0.05	1.0	225	2.0	0.4	1 -	110	010	1 25
Jun-Aug Sep-Nov	113 219	207	17 35	337 254	32 29	84 30	1.5 0.7	118 60	219 194	1.35 1.33
Dec-Feb	194		31	225	29 27	51	0.7	79	147	1.42
Mar-May	146		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	106	220	20	255	2.0	102	0 0	125	220	1 10
Jun-Aug Sep-Nov	106 220	229 	20 34	355 254	32 30	103 32	0.2 0.2	135 62	220 192	1.19 1.19
Dec-Feb	192		23	215	28	38	0.4	66	149	
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	2.1	277	66	1.68
1996/97										
Mkt. yr.	66	155	90	312	120	120	3.0	243	69	1.75-1.95

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			Animal Units	Feed/ animal unit
1993/94			-Million	metric	tons			Mil.	Tons
Sep-Nov Dec-Feb Mar-May Jun-Aug	43.2 31.6 24.2 20.3	5.7 2.8 2.1 1.0	0.6 1.9 0.9 2.7	0.5 0.8 0.5 1.5	50.1 37.1 27.8 25.6	-1.0 1.1 -0.7 10.2	49.0 38.1 27.1 35.8		
Mkt. yr. % Change	119.4 -10.7	11.6 -3.1	6.1 58.1	3.4 7.1	140.4 -8.0	9.6 145.2	150.0 -4.2	84.0 1.5	1.79 -5.6
1994/95 Sep-Nov Dec-Feb Mar-May Jun-Aug	38.0 29.6	2.0 1.7	1.2 0.6	0.6 0.5	41.8	0.7 -0.8	42.5 31.6		
Mkt. yr. % Change						7.4 -22.4		84.3	
1995/96 Sep-Nov Dec-Feb Mar-May Jun-Aug	34.3 27.1	1.8 1.4	0.4 0.5	0.5 0.3	50.2 37.1 29.3 17.8	0.3 -1.8	37.4 27.5		
Mkt. yr. % Change	119.7 -14.9	7.9 -22.0	4.6 -5.7	2.1 -24.5	134.4 -15.3	6.2 -16.4		84.9 0.7	
1996/97									
Mkt. yr. % Change				2.2	146.0 8.7		154.0 9.6	86.3 1.6	1.79 7.8

Table 3--Grain shipments and rates

				,	19	96/97
	Mkt. Yr.	Mkt. Yr.	Sept-Oc	Oct	Sept-Oct	Oct
Barge shipments 1/ (Million ton/mont)		4/ 3.7	3.8	3.7	NA	NA
Barge rate index 2/ (Dec 1990 = 100)	160.8	151.4	215.5	206.1	136.6	157.0
Railcar loadings 3/(1,000 cars/week)	28.5	28.2	30.5	29.8	21.4	24.9
Rail rate index 2/ (Dec 1984 = 100)	116.6	117.1	117.2	117.3	119.9	123.7

^{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/	Yel, Gulf	Sorghum, S No. 2, Yel Texas South Panhandle 1/	No. 2, Yel, Gulf	No. 2, feed, Duluth	•	No. 2, Heavy
Mkt. yr.	\$/bu	\$/bu	\$/cwt	\$/cwt	\$/bu	\$/bu	\$/bu
92/93 93/94 94/95 95/96 3/	2.12 2.54 2.34 3.91	2.46 2.85 2.78 4.30	4.06 4.95 4.75 7.30	4.27 4.90 4.62 7.19	2.11 2.05 2.02 2.67	2.37 2.48 2.75 3.69	1.58 1.55 1.36 2.28
Monthly: 1995:							
Jul Aug Sep Oct	2.79 2.68 2.83 3.12	3.23 3.21 3.32 3.57	5.61 5.53 5.84 6.15	5.41 5.38 5.78 6.22	2.25 2.09 2.06 2.58	3.69 3.22 3.58 3.69	1.92 1.96 2.04 2.11
1996: Jul Aug Sep Oct	4.70 4.48 3.39 2.81	5.07 4.73 3.69 3.27	8.35 7.43 6.30 5.08	7.38 6.89 5.89 5.34	2.79 2.60 2.34 2.10	3.74 3.40 3.15 NQ	2.48 2.36 2.08 2.06

^{1/} Marketing year beginning September 1. NQ = No quote.

Table 5--Selected feed and feed by-product prices

	Soybean meal 44% slv. Decatur, IL 1/	seed meal, 41% slv.	feed,	Corn gluten meal, IL pts. 1/	meal, Central	dried	midlgs, Kansas City	price
Mkt. yr. 92/93 93/94 94/95 95/96	180.80 181.82 151.77 217.27	159.22 168.36 112.64 186.12	95.95 88.62 82.77 116.47	284.60 286.61 221.95 319.35	220.93 206.81 170.51 222.07	122.84 123.79 106.70 151.37		78.20 89.30 92.10 88.20
Monthly: 1995: Jul Aug Sep Oct	160.10 157.50 171.75 183.40	116.90 116.50 137.60 153.25	81.90 79.40 81.60 98.40	218.75 232.00 250.00 290.50	159.80 157.40 166.70 221.00	101.00 NQ 112.00 121.70	61.80 71.90 88.10 93.40	89.60 87.00 86.80 87.20
1996: Jul Aug Sep Oct	242.30 251.10 265.50 238.00	201.75 193.10 193.10 183.25	109.30 111.60 115.75 102.30	308.50 295.00 329.40 344.00	239.60 246.60 279.80 272.10	175.40 NQ 164.00 160.80	112.70 115.80 115.40 103.20	92.90 96.00 95.70 98.20

^{1/} Marketing year beginning September 1. NQ = No quotes.

^{2/} Marketing year beginning June 1.

^{3/} Preliminary.

^{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.			Bev.	Cereals & other products	
1002/04				M	illion b	ushels	
1993/94 Sep-Nov Dec-Feb Mar-May Jun-Aug	118.0	49.6 56.7	56.4 52.7 56.3 57.3	119.3 112.4	29.9 24.9	29.4 29.1 29.7 29.7	375.8 398.2
Mkt year	443.6	222.9	222.7	458.3	105.8	118.0	1571.3
1994/95 Sep-Nov Dec-Feb Mar-May Jun-Aug	100.5 123.8 135.6	51.5 58.4	57.3	141.5 137.7 119.1	27.9 24.2 26.7	29.1 29.7 29.7	405.5 430.1 430.8
1995/96 Sep-Nov Dec-Feb Mar-May Jun-Aug	105.1 130.8	60.7 52.9 60.7 62.8	51.5 54.9	121.1 120.8 91.8 61.9	37.5 25.0	29.1 29.7	396.9 393.1
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

		Brewers' grits, Chicago		HFCS, 42% tank cars, Midwest	fob Midwest
Mkt. yr. 1/ 92/93 93/94 94/95 95/96 2/	\$/cwt 13.39 14.49 13.22 17.79	\$/cwt 9.68 10.98 10.67 14.21	cents/lb 24.50 25.44 25.62 25.50	cents/lb 13.30 14.63 12.27 13.01	\$/cwt 10.70 12.61 12.43 15.98
Monthly 1995: Aug Sep Oct Nov	13.80 14.34 14.76 14.87	11.25 11.80 12.23 12.34	25.50 25.50 25.50 25.50	11.80 11.80 12.55 13.30	13.85 13.67 13.94 14.36
1996: Aug Sep Oct Nov 2/	21.72 20.36 17.19 16.78	17.62 16.26 13.11 12.70	25.50 25.50 25.50 25.50	13.15 13.15 13.15 13.15	19.19 18.50 15.41 13.58

^{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	19	 94/95	199	 95/96	1996/97
	Sep-Aug	Sep	Sep-Aug	Sep	Sep
CORN			-Thousand to	ns	
Japan	15,849	1,018	15,303	1,276	873
Taiwan	6,027	473	5,938	656	317
Former USSR	140	25	34	0	0
South Africa	187	0	347	0	0
Sub-Saharan Africa		16	321	69	0
EU	2,836	1	2,842	526	35
Egypt	2,569	166	2,167	206	144
Canada	1,096	97	808	136	78
China	3,240	0	2,207	749	0
East Europe	112	0	188	0	30
Algeria	1,000	154	522	0	45
S. Korea	8,005	157	8,285	1,073	213
Mexico	2,985	248	6,453	429	243
Others	10,723	575	11,077	1,238	563
Total	55,218	2,930	56,494	6,357	2,543
SORGHUM					
Mexico	2,557	303	1,759	290	164
Japan	2,050	213	1,617	150	149
Others	1,008	55	1,591	168	84
Total	5,615	571	4,968	609	398
		 -1994/95	199	95/96	1996/97
	Mkt. yr.	June-Sep	Mkt. yr.	June-Sep	June-Sep
BARLEY Saudi Arabia	203	 0	373	0	0
Israel	468	199	42	42	28
Jordan	51	51	0	0	50
Others	671	244	932	457	290
Total	1,392	494	1,347	499	369

^{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	19	95/96	1996/97	
1. 3	Mkt. yr.	June-Sep	Mkt. yr.	June-Sep	June-Sep	
OATS			-Thousand to	ns		
Canada	1,161	390	1,302	534	308	
Finland	374	117	22	8	0	
Sweden	70	26	62	62	0	
Other	0	0	0	0	0	
Total 1/	1,605	533	1,387	604	308	
BARLEY, MALTING						
Canada	715	247	740	215	148	
Other	0	0	0	0	0	
Total 1/	716	247	740	215	148	
BARLEY, OTHER 2/						
Canada	702	343	141	78	56	
Other	16	10	6	0	0	
Total 1/	719	353	147	78	56	

^{1/} Totals may not add due to rounding.

Source: Bureau of the Census

^{2/} Mainly consists of barley for feeding, and also includes seed barley.