Electronic Outlook Report from the Economic Research Service

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United States Department of Agriculture

FDS-0303

Mar. 13, 2003

Feed Outlook

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2002/03 Corn Exports Lowered to 1,750 Million Bushels

Contents

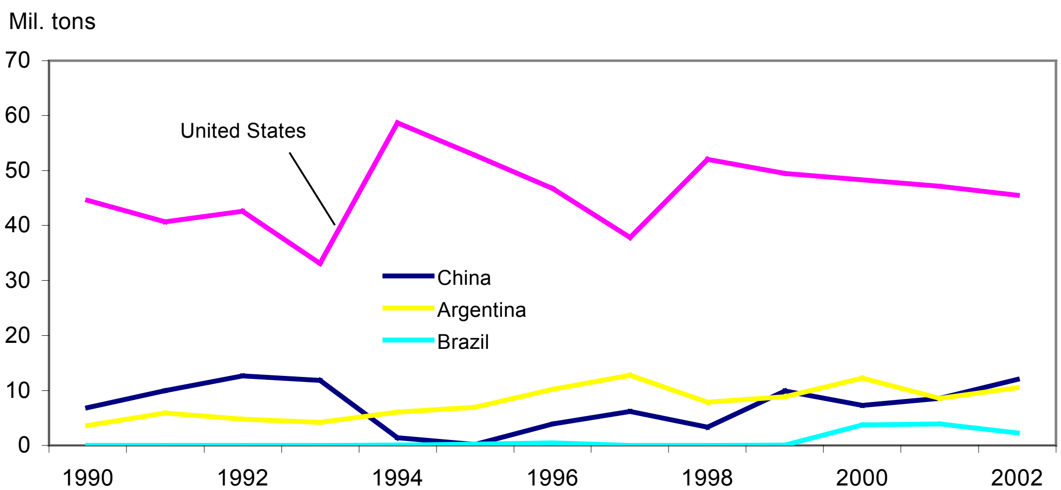
The next release is Apr. 14, 2003

Approved by the World Agricultural Outlook Board.

The corn export estimate for 2002/03 was lowered 75 million bushels to 1,750 million, the lowest export level since 1997/98. This raised ending stocks and led to reductions in both the corn and sorghum price estimates.

The U.S. corn export forecast for 2002/03 was cut 75 million bushels this month because of the slow pace of U.S. sales and shipments and increased export prospects for major competitors. China's corn export forecast increased 1.0 million tons to 12 million because the pace of sales and shipments in recent months has been strong, especially to South Korea and Malaysia. Exports by Argentina and Brazil have also been stronger than expected.

Figure 1
Corn exports for the United States and major competitors



Source: Foreign Agricultural Service, USDA.

Domestic Outlook

Feed Grain Ending Stocks Raised Nearly 2 Million Tons

A 1.9 million ton reduction in feed grain exports to 50 million tons was the only change made to this month's balance sheet. Lower corn exports were partially offset by an increase in barley exports. The change lowered total use to 264 million tons and raised carryover to 28.4 million tons.

Feed and Residual

On a September-August marketing year basis, feed and residual use for the four feed grains plus wheat in 2002/03 is projected at 155.7 million tons, down from 162.4 million last year. The projected index for grain consuming animal units (GCAU) is 87.9 million units, down from 89.6 in 2001/02. Feed and residual use per GCAU is estimated at 1.77 tons, down from 1.81 last year.

The following animal product estimates were made for calendar 2003:

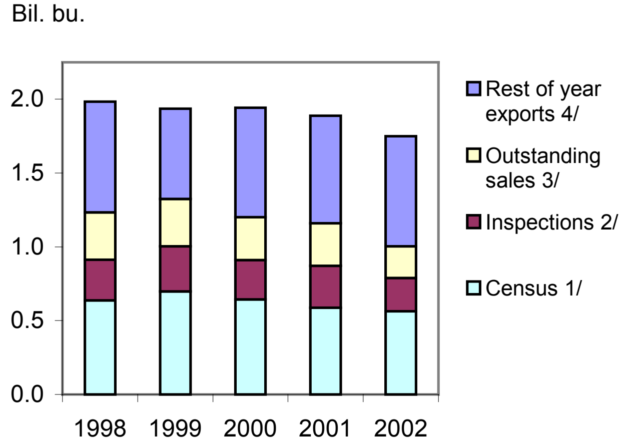
- Beef production at 26.1 billion pounds, down 3.5 percent from 2002
- Pork production at 19.5 billion pounds, down .7 percent from 2002
- Broiler production at 32.3 billion pounds, up .3 percent from 2002
- Egg production at 7.24 billion dozen, up .3 percent from 2002
- Milk at 171.6 billion pounds, up 1.1 percent from 2002.

Corn Exports Lowered 75 Million Bushels

A 75-million-bushel reduction in corn exports was the major change to the domestic feed grain balance sheets. Exports for 2002/03 are forecast at 1,750 million bushels, the lowest since 1997/98. Ending stocks were raised to 1,004 million bushels. With lower use expectated, corn and sorghum price forecasts were both lowered 10 cents on the high end of the range. Corn and sorghum prices are now forecast at $2.20-$2.40 per bushel and $2.25-$2.45 per bushel, respectively. A 2-million-bushel increase in barley exports to 22 million bushels was the only other change made to the feed grain balance sheets. This lowered barley ending stocks to 66 million bushels.

Figure 2

U.S. corn exports behind last year

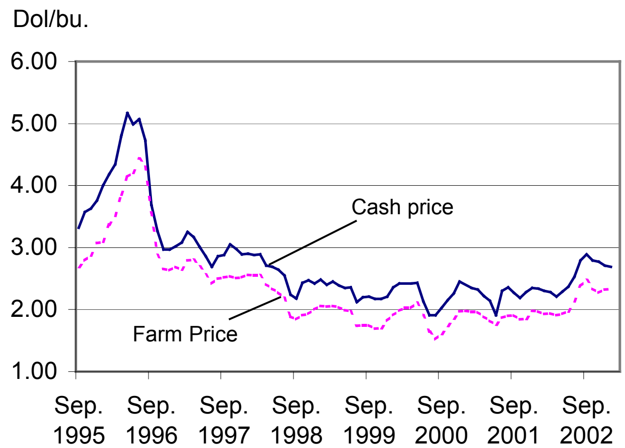


1/ From September to December. 2/ January and February inspections. 3/ Outstanding sales prior to release of March WASDE. 4/ Projection for 2002; estimate for 2001.

Sources: Bureau of the Census, USDC; Foreign Agricultural Service, and Agricultural Marketing Service, USDA.

Figure 3

U.S. corn: Gulf ports cash and average farm price, September 1995 to January 2003



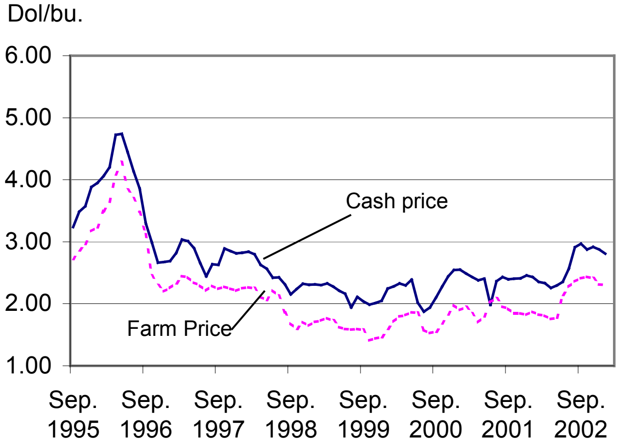
Source: Agricultural Marketing Service and National Agricultural Statistics Service, USDA.

10.4 Percent of 2001/02 Corn Crop Sold Through Marketing Contracts

The National Agricultural Statistics Service (NASS) issued a special report on February 27 (http://usda.mannlib.cornell.edu/reports/nassr/field/pgs-bb/special-reports/armsan03.pdf) providing information on corn, soybeans, and wheat sold through marketing contracts.

Figure 4

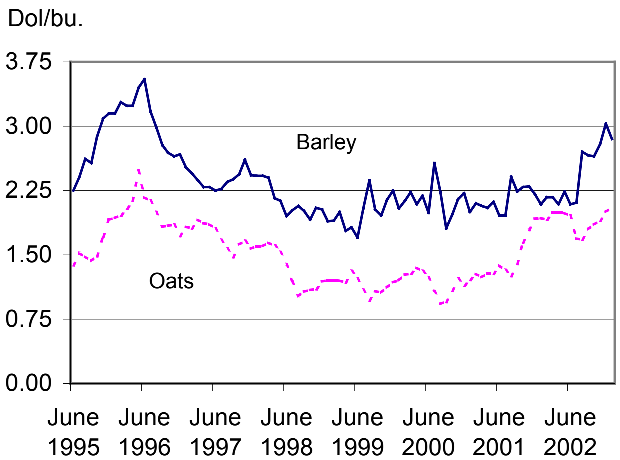
U.S. sorghum: Gulf ports cash and average farm price, September 1995 to January 2003



Source: Agricultural Marketing Service and National Agricultural Statistics Service, USDA.

Figure 5

U.S. barley and oats prices, June 1995 to January 2003



Source: National Agricultural Statistics Service, USDA.

This is the first time NASS has issued a report on the characteristics of contract production and all of the information is for the 2001/02 crop year. A wide variety of data was provided, including information on quantity sold under contract, price premiums, and various contract characteristics. Information was also provided regarding contracts in different production regions, types of farm organizations (e.g. partnership, family corporation), and economic classifications. The report also provided information about identity-preserved corn.

The survey results show that there were over 44,700 farms with corn contracts representing 10.4 percent of total 2001/02 corn production. The weighted-average price for contracted corn was $2.14 per bushel compared with the NASS market year average price of $1.97. Not surprisingly, cooperatives and elevators were by far the most important contractors and held 69.4 percent of the corn contracts. Sixteen percent of the corn contracts had confidentiality clauses compared with 18 percent for soybeans and only 8 percent for wheat. Another interesting finding was the distance traveled for contract delivery. The mean miles for contract production of corn and soybeans delivered off the farm was almost twice the distance of available, non-contract delivery.

With respect to identity-preserved (IP) corn, the survey found that there were 3,942 farms that grew IP corn on 1.1 million acres. Total IP corn production in 2001 was 167.6 million bushels or about 1.8 percent of total corn production. The average price received for IP corn was $2.19 per bushel.

U.S. Corn Export Forecast Slashed, China, Argentina, and Brazil Up

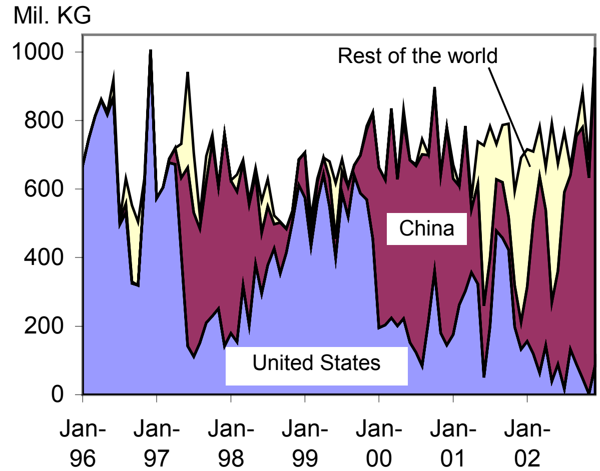
The 2002/03 U.S. corn export forecast was slashed 75 million bushels (1.9 million tons) to 1.75 billion bushels for the September-August local marketing year, and cut 1.5 million tons to 45.5 million tons for the October-September international marketing year. During October-December, according to Census, corn exports reached 11.0 million tons, up from 10.8 million the previous year. Inspections data for October-December 2002 were almost 1.0 million tons less than Census exports. U.S. exports to Canada during the period were 1.03 million, and these are not included in inspections.

In January, inspections data indicate slumping shipments, nearly 0.45 million tons less than a year ago. Also, the slide accelerated in February, with inspections down 1.1 million tons from last year. Moreover, at the end of February outstanding export sales of corn were less than 5.5 million tons, down 1.8 million tons compared with the previous year.

The 45.5-million-ton export forecast is only down 1.6 million tons compared with the previous year, because sales and shipments during the second half of 2002/03 are expected to be stronger than last year. This is based on an expectation that corn exports from China will slow as the year progresses. In the fall of 2002, after harvest, China's internal corn prices were kept in check by large supplies, while U.S. corn export prices increased because of tight supplies. However, U.S. prices have declined significantly from last fall's highs, and are expected to be more competitive in coming months.

Export shipments by Argentina were larger than expected late in their 2001/02 marketing year (March 2002-February 2003), boosting the export estimate 0.7 million tons to 10.3 million. This caused a 0.4-million-ton reduction in 2001/02 domestic use and dropped stocks to minimal levels. This trend towards aggressive late-season exports was extrapolated into 2002/03, boosting the local marketing year forecast 0.4 million tons to 10 million. The October-September 2002/03 international marketing year export forecast was increased by 0.5 million tons to 10.5 million.

Figure 6
Monthly South Korean corn imports, January 1996 to December 2002



Source: Korean Customs Service.

Brazil's corn export prospects also increased this month. Favorable growing conditions resulted in a 1-million-ton increase in forecast production and 2002/03 domestic use and export prospects by 0.5 million tons each. Forecast corn exports by South Africa also rose slightly this month because of increased production prospects.

World corn trade in 2002/03 is up slightly this month mostly because of a 0.5-million-ton increase in imports for Japan, after recent strong purchases. Barley trade is also up slightly, with increased imports and exports expected for the European Union. Coarse grain trade is up 1.1 million tons this month to 101.7 million tons.

Expected 2002/03 global coarse grain production is virtually unchanged this month, with reduced sorghum, millet, and corn crops in India offset by increased corn production in Brazil and South Africa and barley in Iran and China. World coarse grain use is down almost 1 million tons this month as reductions in India and Argentina more than offset increases for Japan and South Africa.

Global coarse grain stocks are forecast up this month by nearly 1 million tons in line with the reduced use. However, at 151 million tons, forecast 2002/03 ending stocks are 26 million tons lower than beginning stocks.

Contacts and Links

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Data

The Feed Grains Data Delivery System (http://www.ers.usda.gov/db/feedgrains/) is a queryable database that contains monthly, quarterly, and annual data on prices, supply, and use of corn and other feed grains. This includes data published in the monthly Feed Outlook and the annual Feed Yearbook reports.

Recent Reports From the Economic Research Service

The 2002 Farm Act: Provisions and Implications for Commodity Markets provides an initial assessment of the legislation's effects on agricultural production, commodity markets, and net farm income over the next 10 years. The report is available at http://www.ers.usda.gov/publications/aib778/.

The 2002 Farm Bill: Provisions and Economic Implications, a side-by-side comparison of the new farm bill with 1996-2001 farm legislation, is available at http://www.ers.usda.gov/Features/FarmBill/.

Agricultural Productivity and Efficiency in Russia and Ukraine: Building on a Decade of Reform (http://www.ers.usda.gov/publications/aer813/) reviews the evidence on the productivity of agricultural production and explores some of the causes of inefficient practices. Implementing institutional reforms would allow productivity and efficiency in the agricultural sector to improve.

Related Websites

WASDE (http://www.usda.gov/oce/waob/wasde/latest.pdf)
Grain Circular (http://www.fas.usda.gov/grain/circular/2003/03-03/graintoc.htm)
World Agricultural Production (http://www.fas.usda.gov/wap/circular/2003/03-03/toc.html)
Corn Briefing Room (http://www.ers.usda.gov/briefing/corn/)

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. stocks	Farm price
Corn:				----Million bushels----						$/bu
2000/01										
Sep-Nov	1,718	9,915	1	11,634	466	2,131	507	3,104	8,530	1.73
Dec-Feb	8,530	---	1	8,531	465	1,607	415	2,488	6,043	1.97
Mar-May	6,043	---	3	6,046	514	1,153	455	2,122	3,924	1.90
June-Aug	3,924	---	1	3,925	511	951	564	2,026	1,899	1.85
Mkt. yr.	1,718	9,915	7	11,639	1,957	5,842	1,941	9,740	1,899	1.85
2001/02										
Sep-Nov	1,899	9,507	2	11,408	489	2,207	448	3,144	8,265	1.86
Dec-Feb	8,265	---	2	8,266	480	1,540	451	2,471	5,795	1.96
Mar-May	5,795	---	4	5,799	544	1,162	496	2,203	3,597	1.93
June-Aug	3,597	---	2	3,599	540	968	494	2,002	1,596	2.16
Mkt. yr.	1,899	9,507	10	11,416	2,054	5,877	1,889	9,820	1,596	1.97
2002/03										
Sep-Nov	1,596	9,008	3	10,608	534	2,044	396	2,974	7,633	2.35
Mkt. yr.	1,596	9,008	15	10,619	2,265	5,600	1,750	9,615	1,004	2.20-2.40
Sorghum:										
2000/01										
Sep-Nov	65	471	0	536	17	194	63	274	262	1.69
Dec-Feb	262	---	0	262	11	15	69	95	167	1.95
Mar-May	167	---	0	167	4	23	63	91	76	1.79
June-Aug	76	---	0	76	3	-10	42	35	42	2.03
Mkt. yr.	65	471	0	536	35	222	237	494	42	1.89
2001/02										
Sep-Nov	42	515	0	556	15	164	63	242	314	1.86
Dec-Feb	314	---	0	314	15	26	78	120	194	1.84
Mar-May	194	---	0	194	10	26	53	89	105	1.78
June-Aug	105	---	0	105	5	-6	46	45	61	2.25
Mkt. yr.	42	515	0	556	45	210	241	495	61	1.94
2002/03										
Sep-Nov	61	370	0	431	15	135	51	201	230	2.42
Mkt. yr.	61	370	0	431	45	160	200	405	26	2.25-2.45

continued--

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. stocks	Farm price
Barley:					------Million bushels----					$/bu
2000/01										
June-Aug	111	319	7	437	44	91	8	143	294	2.28
Sep-Nov	294	---	5	299	39	6	25	70	229	1.95
Dec-Feb	229	---	8	237	37	22	16	75	162	2.10
Mar-May	162	---	9	171	52	4	9	65	106	2.08
Mkt. yr.	111	319	29	459	172	123	58	353	106	2.11
2001/02										
June-Aug	106	249	8	364	44	63	11	118	245	2.24
Sep-Nov	245	---	5	250	39	9	7	55	195	2.27
Dec-Feb	195	---	6	201	37	17	5	59	142	2.16
Mar-May	142	---	5	147	52	-1	3	54	93	2.16
Mkt. yr.	106	249	24	380	172	88	27	287	93	2.22
2002/03										
June-Aug	93	227	9	329	44	54	6	105	224	2.46
Sep-Nov	224	---	3	227	39	12	7	57	170	2.69
Mkt. yr.	93	227	20	340	172	80	22	274	66	2.65-2.75
Oats:										
2000/01										
June-Aug	76	150	21	247	17	79	0	96	150	1.03
Sep-Nov	150	---	37	187	16	26	0	43	144	1.04
Dec-Feb	144	---	28	172	14	48	0	62	110	1.22
Mar-May	110	---	20	130	21	36	0	57	73	1.27
Mkt. yr.	76	150	106	332	68	189	1.7	259	73	1.10
2001/02										
June-Aug	73	117	18	207	17	73	1	91	116	1.29
Sep-Nov	116	---	48	165	17	33	1	50	114	1.59
Dec-Feb	114	---	18	132	15	23	1	39	93	1.92
Mar-May	93	---	12	105	24	18	1	42	63	1.99
Mkt. yr.	73	117	96	286	72	148	2.8	223	63	1.59
2002/03										
June-Aug	63	119	14	196	17	67	0	84	112	1.72
Sep-Nov	112	---	39	151	17	30	1	48	104	1.84
Mkt. yr.	63	119	100	282	72	150	2.5	225	58	1.70-1.80

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.

Source: Economic Research Service, U.S. Department of Agriculture.

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

Year beginning Sept. 1	Corn	Sorg.	Barley	Oats	Feed grains	Wheat	Total grains	Animal units	Feed/ animal unit
	---------------------------- Million metric tons						--------------------------------	Mil.	Tons
1999/00									
Sep-Nov	55.6	5.8	0.5	0.6	62.5	-0.2	62.3		
Dec-Feb	38.8	0.7	0.5	0.6	40.7	0.8	41.5		
Mar-May	26.9	0.6	0.2	0.4	28.1	-0.3	27.8		
June-Aug	22.6	0.1	2.0	1.2	25.9	8.8	34.7		
Mkt. yr.	143.9	7.2	3.2	2.8	157.2	9.1	166.3	88.9	1.87
2000/01									
Sep-Nov	54.1	4.9	0.1	0.5	59.7	-0.7	59.0		
Dec-Feb	40.8	0.4	0.5	0.8	42.5	0.3	42.8		
Mar-May	29.3	0.6	0.1	0.6	30.5	-0.1	30.4		
June-Aug	24.2	-0.3	1.4	1.1	26.4	6.7	33.1		
Mkt. yr.	148.4	5.7	2.1	2.9	159.1	6.3	165.3	89.3	1.85
2001/02									
Sep-Nov	56.0	4.2	0.2	0.6	61.0	-0.6	60.4		
Dec-Feb	39.1	0.7	0.4	0.4	40.5	-0.2	40.3		
Mar-May	29.5	0.7	0.0	0.3	30.4	-0.7	29.8		
June-Aug	24.6	-0.2	1.2	1.0	26.6	5.2	31.9		
Mkt. yr.	149.3	5.3	1.7	2.3	158.6	3.7	162.4	89.6	1.81
2002/03									
Sep-Nov	51.9	3.4	0.3	0.5	56.1	-2.2	54.0		
Mkt. yr.	142.2	4.1	1.9	2.5	150.7	5.0	155.7	87.9	1.77

Source: USDA, Economic Research Service.

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 High Plains 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
1999/00	1.86	2.23	3.36	3.79	NQ	NQ	1.26
2000/01	1.91	2.29	3.87	4.35	1.47	2.37	NQ
2001/02 3/	1.92	2.28	3.90	4.23	1.52	2.44	NQ
Monthly:							
2001/02:							
Oct.	1.84	2.19	4.03	4.29	1.50	2.42	NQ
Nov.	1.90	2.28	3.97	4.30	1.50	2.44	NQ
Dec.	1.97	2.35	4.01	4.39	1.54	2.48	NQ
Jan.	1.95	2.34	3.89	4.34	1.55	2.48	NQ
2002/03:							
Oct.	2.41	2.79	4.75	5.13	2.00	3.43	NQ
Nov.	2.36	2.77	4.71	5.21	2.00	3.86	NQ
Dec.	2.32	2.71	4.68	5.13	2.00	3.95	NQ
Jan. 3/	2.29	2.69	4.55	5.01	2.00	3.94	NQ

1/ Marketing year beginning September 1.

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

Source: U.S. Department of Agriculture, Agricultural Marketing Service.

Table 4--Selected feed and feed byproduct prices

	Soybean meal high protein 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.								
1999/00	165.92	124.00	52.89	237.31	163.13	82.93	53.13	80.20
2000/01	174.15	145.17	58.89	248.43	177.19	84.47	61.77	88.90
2001/02 3/	165.42	134.06	59.85	243.56	167.38	78.48	59.31	104.00
Monthly:								
2001/02:								
Oct.	165.45	131.25	66.40	260.00	168.22	92.00	59.76	106.00
Nov.	166.10	128.13	66.25	258.10	160.70	92.00	66.38	104.00
Dec.	154.18	134.17	65.00	257.50	160.79	90.75	76.45	105.00
Jan.	158.01	133.13	60.00	236.00	158.14	86.00	57.14	101.00
2002/03:								
Oct.	168.20	150.10	67.00	268.50	160.40	77.60	71.50	101.00
Nov.	163.20	150.00	68.50	256.25	156.40	96.50	66.70	101.00
Dec.	163.60	156.40	70.00	255.85	160.55	95.00	78.30	100.00
Jan. 3/	167.40	167.50	68.25	239.75	169.80	83.50	70.20	97.60

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

Sources: U.S. Department of Agriculture, Agricultural Marketing Service and National Agricultural Statistics Service.

Table 5--Corn: Food and industrial uses

Year	HFCS	Glucose and dex.	Starch	---Alcohol--- Fuel	Bev. & Mfg.	Cereals & other products	Total food & industrial
				Million bushels			
2000/01							
Sep-Nov	126.0	56.2	63.4	142.9	31.8	46.0	466.2
Dec-Feb	118.4	49.9	59.2	158.1	33.3	46.0	464.9
Mar-May	137.6	53.7	61.7	161.3	34.8	46.5	495.6
June-Aug	147.8	58.1	62.9	165.4	30.1	46.5	510.8
Mkt. year	529.8	218.0	247.3	627.6	130.0	185.0	1,937.6
2001/02							
Sep-Nov	127.2	56.0	62.4	165.5	32.0	46.2	489.3
Dec-Feb	119.9	49.7	57.9	173.1	33.6	46.2	480.4
Mar-May	143.3	54.6	61.3	184.6	35.1	46.8	525.6
June-Aug	150.3	56.8	64.1	190.6	30.3	46.8	538.8
Mkt. year	540.6	217.1	245.7	713.8	131.0	186.0	2,034.1
2002/03							
Sep-Nov	126.6	54.5	63.5	210.9	32.0	46.5	534.0
Mkt. year	545.0	212.0	250.0	920.0	131.0	187.0	2,245.0

Source: U.S. Department of Agriculture, Economic Research Service.

Table 6--Wholesale corn milling product and byproduct prices

	Corn meal, yellow, New York	Brewers' grits, Chicago	Sugar, dextrose, Midwest	HFCS, 42% tank cars, Midwest	Corn starch, fob Midwest 3/
	$/cwt	$/cwt	cents/lb	cents/lb	$/cwt
Mkt. yr. 1/					
1999/00	15.05	10.91	16.38	9.18	12.39
2000/01	15.85	11.75	16.83	9.25	12.44
2001/02 2/	15.74	11.75	18.61	10.58	12.46
Monthly					
2001/02:					
Nov.	15.56	11.46	18.88	10.80	12.01
Dec.	15.56	11.46	18.88	10.80	12.04
Jan.	15.46	11.36	18.88	10.80	12.16
Feb.	15.40	11.30	18.88	10.80	12.28
2002/03:					
Nov.	14.91	14.54	18.88	11.70	13.48
Dec.	15.37	12.91	20.38	11.50	13.18
Jan.	16.49	12.38	20.88	11.50	12.91
Feb. 2/	16.60	12.48	20.88	11.50	12.82

1/ Marketing year beginning September 1. 2/ Preliminary. 3/ Bulk-industrial, unmodified.
Source: Milling and Baking News.

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

Country/region	------2000/2001------		------2001/2002------		2002/2003
	Mkt. yr.	June-Dec.	Mkt. yr.	June-Dec.	June-Dec.
Oats:			Thousand tons		
Canada	1,466	1,002	1,138	905	582
Finland	103	--	264	190	221
Sweden	257	107	217	138	220
Total 1/	1,827	1,109	1,654	1,244	1,043
Barley, malting:					
Canada	585	305	488	334	279
Total 1/	585	305	489	335	279
Barley, other: 2/					
Canada	51	29	32	8	19
Total 1/	51	29	32	8	19

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	------2000/01--------		------2001/02--------		2002/2003
	Mkt. yr.	Sept.-Dec.	Mkt. yr.	Sept.-Dec.	Sept.-Dec.
	thousand metric tons				
CORN					
Japan	14,396	4,778	14,790	4,347	4,723
Mexico	5,906	1,950	4,464	1,637	2,498
Taiwan	4,831	1,514	4,340	1,551	1,644
Egypt	4,213	1,375	4,510	1,402	632
S. Korea	3,168	709	1,378	610	80
Canada	2,700	906	3,909	1,239	1,427
Colombia	1,615	504	1,698	486	543
Venezuela	1,264	367	460	85	254
Algeria	1,205	477	1,367	511	464
Saudi Arabia	1,053	401	714	256	96
Dominican Republic	976	282	1,030	314	321
Israel	694	323	832	136	31
Syria	588	185	786	222	181
Turkey	568	131	747	--	--
Morocco	530	219	600	183	--
Costa Rica	512	176	463	153	182
Tunisia	470	197	688	253	45
Peru	185	67	261	119	27
Iran	144	144	63	--	--
Sub-Saharan Africa	113	63	695	66	203
Former USSR	112	10	86	74	--
Chile	33	33	34	12	--
EU	17	6	26	4	4
East Europe	--	--	15	15	--
China	--	--	20	--	--
Others	3,882	1,560	3,790	1,251	964
Total	49,175	16,378	47,768	14,926	14,319
SORGHUM					
Mexico	4,924	1,539	4,647	1,627	1,138
Japan	811	378	1,240	573	453
Israel	110	62	30	5	--
EU	--	--	9	--	--
Others	69	63	68	27	54
Total	5,915	2,043	5,993	2,232	1,645
	------2000/2001------		------2001/2002------		2002/2003
	Mkt. yr.	June-Dec..	Mkt. yr.	June-Dec.	June-Dec.
BARLEY					
Saudi Arabia	416	305	--	--	--
Japan	388	172	293	236	183
Mexico	113	82	70	46	15
Taiwan	57	57	--	--	--
Canada	32	22	94	68	97
Other	667	528	117	84	33
Total	1,258	861	575	434	329

1/ Totals may not add due to rounding.

Source: Bureau of the Census.