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Feed Outlook

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Feed Grain Production Raised to 245.1 Million Metric Tons

Contents

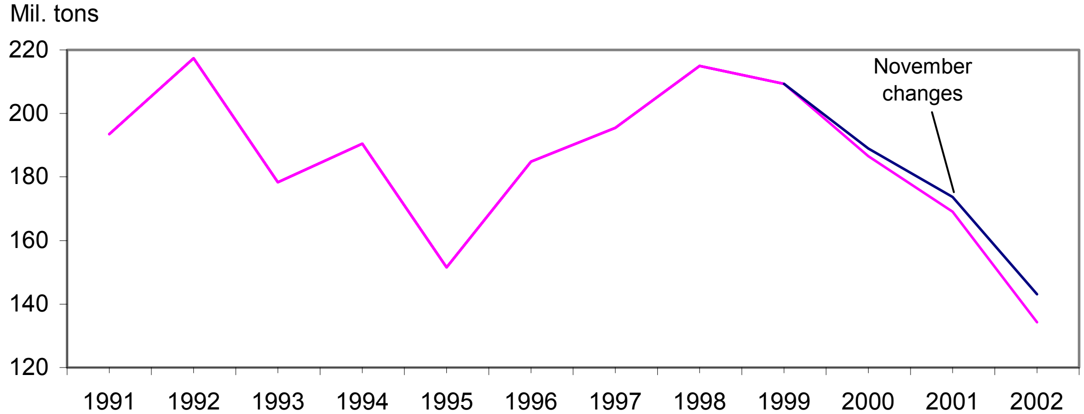
The next release is Dec. 12, 2002

Approved by the World Agricultural Outlook Board.

Changes were made this month to 2002/03 corn and sorghum production, exports, and feed and residual use. No changes were made to the annual barley and oats supply and demand situations but first-quarter final trade numbers resulted in minor changes. Corn production was raised slightly to 9,003 million bushels, but is still the lowest since 1995/96. Sorghum production was lowered more than 5 million bushels to 381 million.

On the use side, corn feed and residual use was raised 25 million bushels due to lower sorghum feeding, and a 75-million-bushel decrease in corn exports was partially offset by a 25-million-bushel increase in sorghum exports. U.S. corn is facing increasing competition in export markets, while sorghum production in Mexico dropped this month and Australia is expected to import sorghum. Global coarse grain ending stocks are up nearly 9 million tons as increased beginning stocks and the 6-million-ton drop in expected use more than offset reduced production prospects.

Figure 1
World coarse grain ending stocks



Source: Foreign Agricultural Service, USDA.

Domestic Outlook

2002/03 Feed Grain Production Increased From Last Month

U.S. feed grain production for 2002/03 is forecast at 245.1 million tons, up 700,000 from last month but down more than 16 million tons from a year earlier. The month-to-month change in feed grain production is caused by an increase in corn yield, which was partially offset by a decrease in sorghum yield. Total feed grain supply is projected at 292.8 million tons, down from 316.8 million tons last year and the lowest since 1997/98.

The major change on the use side was a 1.27-million-ton export reduction to 55.6 million tons. This change is caused by a 1.9-million-ton reduction in corn exports, which was partially offset by an increase in sorghum exports of more than 600,000 tons. Feed and residual use was raised slightly to 151.3 million tons. No changes were made this month to food seed and industrial use for any of the feed grains. Total use for 2002/03 is projected at 267.9 million tons, down from 271.7 million tons a year earlier.

On a September-August marketing year basis, feed and residual use for the four feed grains plus feed wheat is projected at 157.2 million metric tons, up slightly from last month but down from 163 mmt in 2001/02. The projected index for grain consuming animal units (GCAU) is 88.3, down from 89.6 last year. This decline stems from a reduction in cattle on feed. Feed and residual use per GCAU is projected at 1.78 tons, down from 1.82 tons last year.

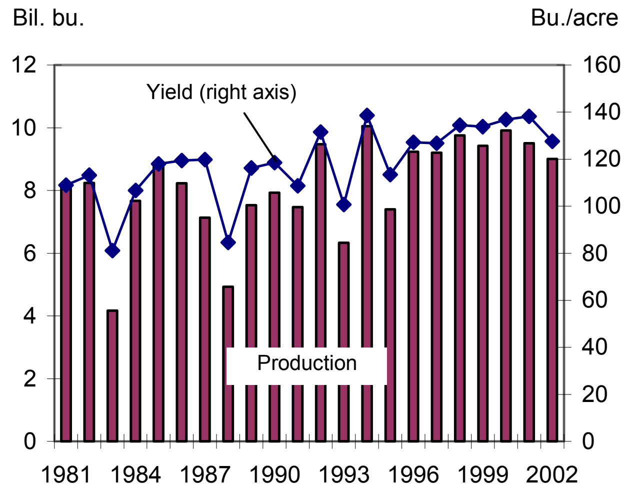
2002/03 Corn Crop Raised To 9 Billion Bushels

Forecast corn production in 2002/03 was raised slightly to 9,003 million bushels, down from 9,507 million last year and the lowest since 1995/96. This change is caused by an increase in forecast yields, which are now at 127.6 bushels per acre. The production change raised total corn supply to 10,618 million bushels, down from 11,416 million in 2001/02.

Corn exports were lowered 75 million bushels to 1,925 million due to increased competition. This is still above last year's export estimate of 1,889 million bushels. Feed and residual use was raised 25 million tons to 5,675 million due to lower levels of sorghum feeding. Total corn use for 2002/03 is projected at 9,770 million bushels, down from 9,817 million last year.

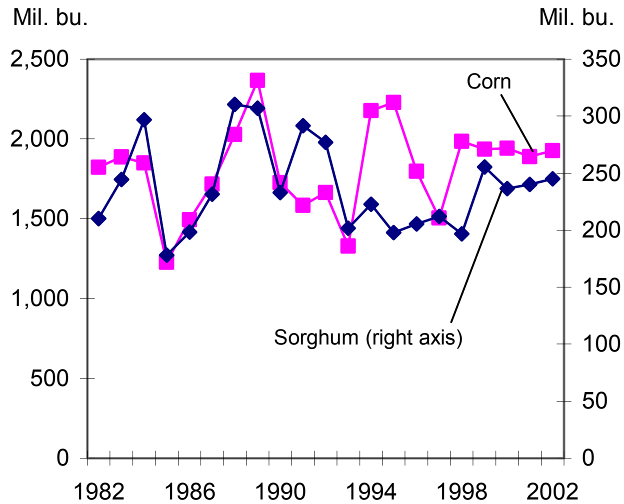
Corn ending stocks are projected at 848 million bushels, up from 764 million last month but still the smallest since 1995/96.

Figure 2
Corn production and yield



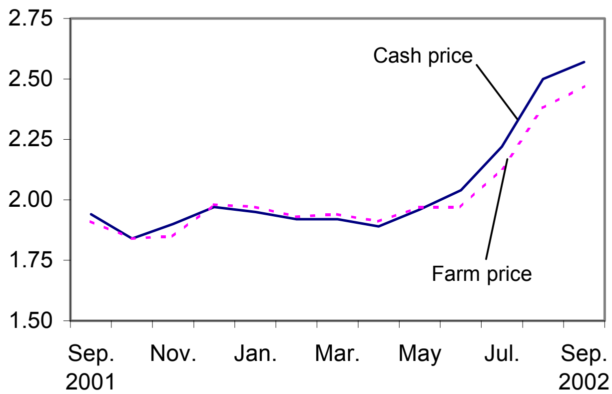
Source: National Agricultural Statistics Service, USDA.

Figure 3
U.S. corn and sorghum exports



Source: Economic Research Service, USDA.

Figure 4
U.S. corn: Central Illinois cash and average farm price, September 2001-September 2002



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

The stocks-to-use ratio is projected at 8.7 percent, down nearly 8 percentage points from a year earlier. However, increased corn supply and decreased use led to a reduction in corn price in November. The 2002/03 corn price is now projected at $2.20-$2.60, down 10 cents on both ends from last month.

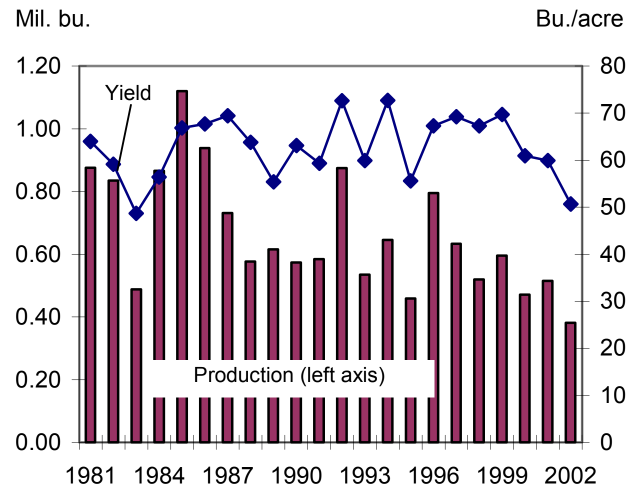
Sorghum Production Lowered More Than 5 Million Bushels

The 2002/03 sorghum crop is forecast to be 381 million bushels, down from 387 million last month. If realized, this will be the smallest sorghum crop since 1956. This month-to-month change is caused by a 0.7-bushel yield decline, which is now forecast at 50.7 bushels per acre. Total sorghum supply for 2002/03 is projected at 441 million bushels, down from 556 million last year.

Total sorghum use is projected at 405 million bushels, up 5 million from the October estimate. The month-to-month change is caused by a 25-million-bushel increase in exports and a 20-million-bushel decrease in feed and residual use. For the 2002/03 marketing year, sorghum exports and feed/residual use is projected at 245 million and 115 million bushels respectively.

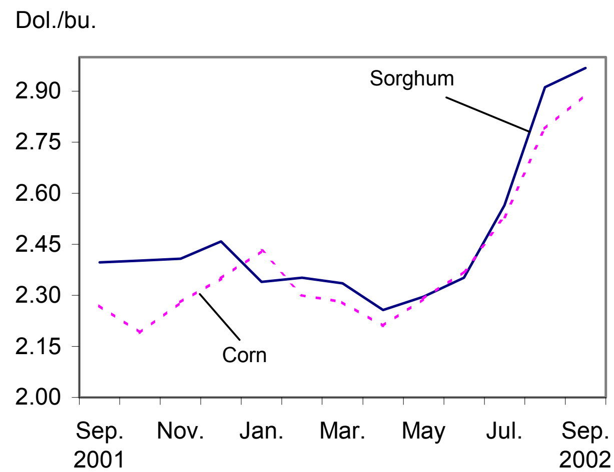
The smaller crop and larger use lowered ending stocks to 36 million bushels, the smallest since 1995/96. Stocks-to-use ratio is projected at 8.9 percent, down from 11.9 percent last year. Sorghum prices were lowered 5 cents on both ends to $2.25-$2.65. These prices are 5 cents per bushel above projected corn prices, because of the relatively tighter sorghum supply/use expectations.

Figure 5
Sorghum production and yield



Source: National Agricultural Statistics Service, USDA.

Figure 6
Sorghum and corn prices, f.o.b. Gulf, September 2001-September 2002



Source: Agricultural Marketing Service, USDA.

Foreign Coarse Grain Consumption Drop Is Larger Than Production Reduction

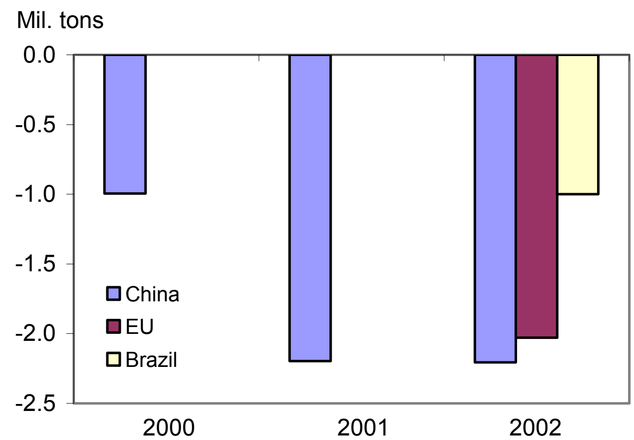
Foreign coarse grain production projected for 2002/03 declined 2.5 million metric tons this month. The largest drop was for Brazil, down 2 million tons due to reduced area expectations. The low exchange rate makes soybean export prices, denominated in U.S. dollars, more attractive than corn prices, determined by internal supply and demand and quoted in reales (the local currency). Mexico's sorghum prospects dropped 1.35 million tons this month due to lower area and yields. Gripped by severe drought, barley production prospects in Australia are down 1.0 million tons.

Partly offsetting these declines in production were increases for the former Soviet Union, up nearly 1.6 million tons; East Europe, up 0.7 million; and Argentina, up nearly 0.5 million. Harvest reports in Russia indicated larger coarse grain crops, boosting prospects 1.0 million tons, with half of the increase in barley. Late rains reportedly boosted the corn crop in Romania, up 0.5 million tons this month. Slightly larger area is now expected to be planted to corn in Argentina, as corn seed companies and producers are learning to cope with the economy's financial problems, boosting production prospects 0.5 million tons this month. However, Argentina's corn area is still expected to decline compared with the previous year.

Foreign coarse grain total use is projected at 680 million tons in 2002/03, down 5 million this month. The largest drop is for China, down 2.2 million tons. The historical series for wheat supply and demand was revised this month, including a 2-million-ton increase in wheat feed and residual use for each of the last 3 years. China's corn feed and residual was reduced by the same amount. Projected EU barley feed use was reduced 2 million tons as wheat feed use increased due to robust imports from the Black Sea area into Spain and Italy. Expected corn use in Brazil declined 1 million tons because of reduced production prospects. Smaller changes to other countries were mostly offsetting.

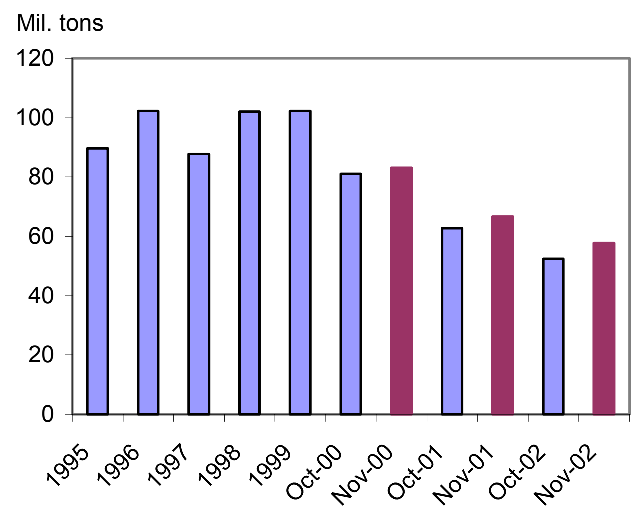
Projected foreign coarse grain ending stocks for 2002/03 are up nearly 7 million tons this month to 118 million tons. The increase in foreign coarse grain stocks was caused by reduced consumption and by more than a 4-million-ton increase in beginning stocks. The reductions in China's estimated corn feed use during 1999/2000 and 2000/01 boosted 2002/03 beginning stocks 4 million tons.

Figure 7
Month-to-month declines in China, EU, and Brazil coarse grain consumption



Source: Foreign Agricultural Service, USDA.

Figure 8
China ending corn stocks



Source: Foreign Agricultural Service, USDA.

U.S. Corn Export Forecasts Decline, Sorghum Up In 2002/03

U.S. corn export prospects were reduced this month for both 2001/02, down 0.5 million tons, and 2002/03, down 1.0 million (October/September). However, the U.S. 2002/03 sorghum export projection increased 0.7 million tons this month, offsetting much of the drop in corn. The very slow pace of corn shipments during September 2002 caused a greater (75-million-bushel) reduction in the U.S. 2002/03 local marketing year (September/August) export forecast. U.S. corn is facing increasing competition in export markets, while sorghum production in Mexico dropped this month and Australia is expected to import sorghum.

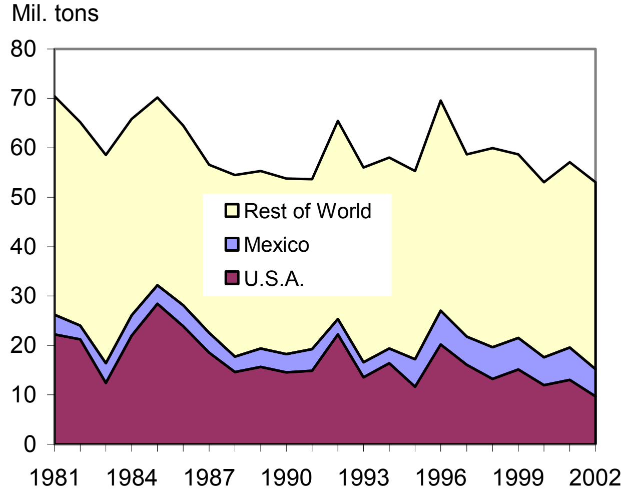
Global corn trade is projected at 78.8 million tons, up fractionally this month. Imports are little changed except for Mexico, up 0.5 million tons because of reduced sorghum production. Other changes were small and partly offset the revision for Mexico.

Forecast Argentine corn exports for 2002/03 increased 0.5 million tons this month because of increased production prospects. The projection for China was increased by the same amount because of ample supplies and the aggressive pace of sales. Serbia's corn exports were also increased due to attractive global prices. These increases in competition reduced U.S. export prospects.

Forecast exports of Ukraine's barley are up 0.6 million tons this month as the pace of sales is strong. However, the projection of Australia's barley exports is down 1 million tons because of reduced production. Moreover, with less barley to feed domestically, Australia is expected to increase domestic feed use of sorghum and export less.

Figure 9

World, U.S., and Mexico sorghum production



Source: Foreign Agricultural Service, USDA.

This will contribute to tight global sorghum supplies, driving up the price of sorghum compared with corn. As a result, this month Japan is expected to import slightly less sorghum. However, Mexico is expected to increase sorghum imports because of sharply reduced sorghum production and a government that limits the cupos (coupons) that allow corn imports. However, U.S. supplies of sorghum are quite limited for 2002/03 and it is assumed that additional corn cupos will be issued eventually, so projected 2002/03 Mexican corn imports increased 0.5 million tons this month. Increased imports by Mexico and reduced competition from Australia for Japan's sorghum imports combine to boost U.S. sorghum export prospects 0.7 million tons to 6.3 million. U.S. sorghum exports are expected to increase in 2002/03 compared with the previous year despite a much smaller crop.

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

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.

Corn & Soybean Plantings Change Little From Spring Intentions (http://www.ers.usda.gov/publications/agoutlook/aug2002/ao293b.pdf) is a recent *Agricultural Outlook* article examining the USDA's June Acreage report.

“Stable Field Crop Supplies Forecast for 2002/03” (http://www.ers.usda.gov/publications/agoutlook/JuneJuly2002/ao292d.pdf) is a recent *Agricultural Outlook* article examining 2002/03 production of major field crops.

“Oats Market Strong in 2001/02” (http://www.ers.usda.gov/publications/agoutlook/May2002/ao291e.pdf) is a recent *Agricultural Outlook* article examining the oats market.

Related Websites

WASDE (http://www.usda.gov/oce/waob/wasde/latest.pdf)
Grain Circular (http://www.fas.usda.gov/grain/circular/2002/11-02/graintoc.htm)
World Agricultural Production (http://www.fas.usda.gov/wap/circular/2002/02-11/toc.html)
Corn Briefing Room (http://www.ers.usda.gov/Briefing/Corn/)

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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. stocks	Farm price
Corn:					----Million bushels----					$/bu
1999/00										
Sep-Nov	1,787	9,431	4	11,221	459	2,188	535	3,182	8,039	1.71
Dec-Feb	8,039	---	3	8,043	447	1,529	465	2,441	5,602	1.91
Mar-May	5,602	---	6	5,607	512	1,058	451	2,021	3,586	2.05
June-Aug	3,586	---	2	3,588	496	890	485	1,871	1,718	1.64
Mkt. yr.	1,787	9,431	15	11,232	1,913	5,665	1,937	9,515	1,718	1.82
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	965	494	1,999	1,599	2.17
Mkt. yr.	1,899	9,507	10	11,416	2,054	5,874	1,889	9,817	1,599	1.97
2002/03										
Mkt. yr.	1,599	9,003	15	10,618	2,170	5,675	1,925	9,770	848	2.20-2.60
Sorghum:										
1999/00										
Sep-Nov	65	595	0	660	18	228	65	311	349	1.45
Dec-Feb	349	---	0	349	18	29	77	124	226	1.57
Mar-May	226	---	0	226	13	22	64	99	127	1.82
June-Aug	127	---	0	127	6	6	50	62	65	1.64
Mkt. yr.	65	595	0	660	55	285	255	595	65	1.57
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	-5	46	46	59	2.27
Mkt. yr.	42	515	0	556	45	211	241	497	59	1.95
2002/03										
Mkt. yr.	59	381	0	441	45	115	245	405	36	2.25-2.65

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
Mkt. yr.	93	227	25	345	172	80	20	272	73	2.40-2.80
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	1	84	111	1.72
Mkt. yr.	63	119	100	282	72	150	2.0	224	58	1.65-1.95

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.

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	29.7		
June-Aug	24.5	-0.1	1.2	1.0	26.6	5.9	32.4		
Mkt. yr.	149.2	5.4	1.7	2.3	158.6	4.4	163.0	89.6	1.82
2002/03									
Mkt. yr.	144.2	2.9	1.9	2.5	151.5	5.7	157.2	88.3	1.78

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:							
June	2.04	2.37	3.99	4.20	1.55	2.48	NQ
July	2.22	2.53	4.39	4.58	1.55	2.56	NQ
Aug.	2.50	2.79	4.79	5.20	1.74	2.69	NQ
Sept.	1.94	2.27	4.23	4.28	1.48	2.34	NQ
2002:							
June	2.04	2.37	3.99	4.20	1.55	2.48	NQ
July	2.22	2.53	4.39	4.58	1.55	2.56	NQ
Aug.	2.50	2.79	4.79	5.20	1.74	2.69	NQ
Sept. 3/	2.57	2.89	5.30	5.30	1.80	NQ	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
1900/01	174.15	145.17	58.89	248.43	177.19	84.47	61.77	88.90
1901/02 3	165.42	134.06	59.85	243.56	167.38	78.48	59.31	104.00
Monthly:								
2001:								
June	172.60	126.88	54.75	237.50	152.86	75.00	53.29	104.00
July	184.29	129.69	59.30	205.50	182.69	60.00	63.60	104.00
Aug.	178.46	130.63	65.38	263.75	190.22	0.00	69.10	105.00
Sept.	171.49	131.25	66.25	268.13	180.79	46.00	67.17	108.00
2002:								
June	158.00	137.50	55.50	230.00	159.50	75.00	49.80	102.00
July	187.50	151.50	57.10	254.80	167.00	77.00	54.00	102.00
Aug.	186.25	159.75	63.00	275.00	168.80	0.00	61.25	101.00
Sept. 3/	185.50	156.40	65.40	272.50	164.50	0.00	72.68	102.00

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							
Mkt. year	545.0	222.0	245.0	820.0	131.0	187.0	2,150.0

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:					
July	16.13	12.03	16.88	9.50	12.16
Aug.	15.98	11.88	16.88	9.50	12.31
Sept.	15.81	11.71	16.88	9.50	12.46
Oct.	15.43	11.33	17.68	9.50	12.34
2002:					
July	16.31	13.02	18.88	10.80	12.79
Aug.	17.26	13.15	18.88	10.80	13.15
Sept.	17.30	14.10	19.13	12.30	13.69
Oct. 2/	16.84	12.74	18.88	12.30	14.05

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-Aug.	Mkt. yr.	June-Aug.	June-Aug.
Oats:			Thousand tons		
Canada	1,466	303	1,138	169	92
Finland	103	--	264	111	58
Sweden	257	59	217	25	83
Total 1/	1,827	362	1,654	305	233
Barley, malting:					
Canada	585	137	488	170	187
Total 1/	585	137	489	170	187
Barley, other: 2/					
Canada	51	20	32	1	9
Total 1/	51	20	32	1	9

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	1999/00 Mkt. yr.	2000/01 Mkt. yr.	2001/2002 Mkt. yr.
	1,000 metric tons		
Corn:			
Japan	14,926	14,396	14,790
Mexico	4,794	5,906	4,464
Taiwan	5,036	4,831	4,340
Egypt	3,300	4,213	4,510
S. Korea	3,021	3,168	1,378
Canada	983	2,700	3,909
Colombia	1,782	1,615	1,698
Venezuela	1,096	1,264	460
Algeria	1,042	1,205	1,367
Saudi Arabia	1,164	1,053	714
Dominican Republic	1,003	976	1,030
Israel	695	694	832
Syria	603	588	786
Turkey	874	568	747
Morocco	576	530	600
Costa Rica	452	512	463
Tunisia	485	470	688
Peru	458	185	261
Iran	611	144	63
Sub-Saharan Africa	510	113	695
Former USSR	491	112	86
Chile	542	33	34
EU	68	17	26
East Europe	35	--	15
China	58	--	20
Others	4,477	3,882	3,790
Total	49,082	49,175	47,768
Sorghum:			
Mexico	4,816	4,924	4,647
Japan	1,123	811	1,240
Israel	135	110	30
EU	181	--	9
Others	104	69	68
Total	6,359	5,915	5,993

	------2000/2001------		------2001/2002------		2002/2003
	Mkt. yr.	June-Aug.	Mkt. yr.	June-Aug.	June-Aug.
Barley:					
Saudi Arabia	416	40	--	--	--
Japan	388	65	293	137	68
Mexico	113	21	70	2	1
Taiwan	57	24	--	--	--
Canada	32	10	94	36	46
Other	667	64	117	58	23
Total	1,258	183	575	232	137

1/ Totals may not add due to rounding.

Source: Bureau of the Census.