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Feed Outlook

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Corn Exports Raised to 1,925 Million Bushels

Contents

Tables

Web Sites

The next release is Jan. 14, 2004

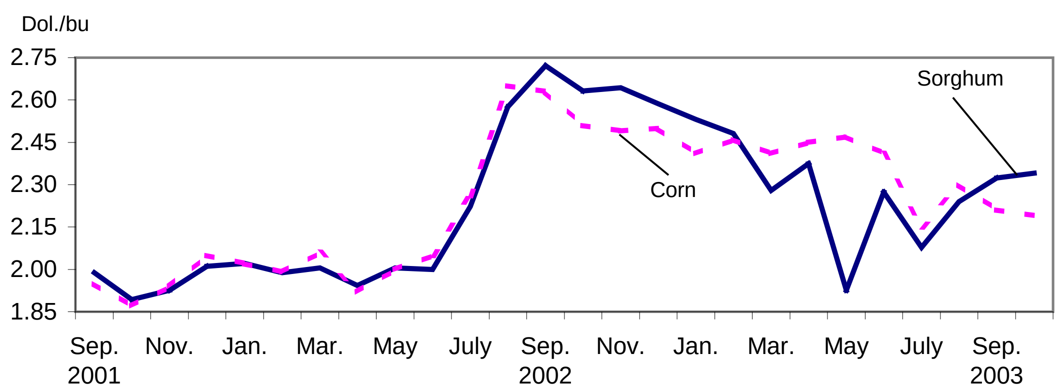
Approved by the World Agricultural Outlook Board.

The main changes made to this month's domestic supply and demand situation were 50-million-bushel and 10-million-bushel increases in respective corn and sorghum exports. This change, plus strong prices received to date, led to a 10-cent increase in both corn and sorghum season-average farm prices.

U.S. October-September 2003/04 corn exports are projected up 1 million tons this month to 48.5 million. Reduced competition from Argentina and Brazil is expected and the early pace of sales and shipments is up sharply compared to with last year's slow start. Foreign coarse grain production is forecast up 1 million tons this month, but expected use is up 3 million, resulting in a 2-million-ton reduction in projected global ending stocks to less than 106 million. This is less than half the level estimated for 1998/99, and the lowest since 1975/76.

Figure 1

Sorghum and corn prices, Kansas City, September 2001-October 2003



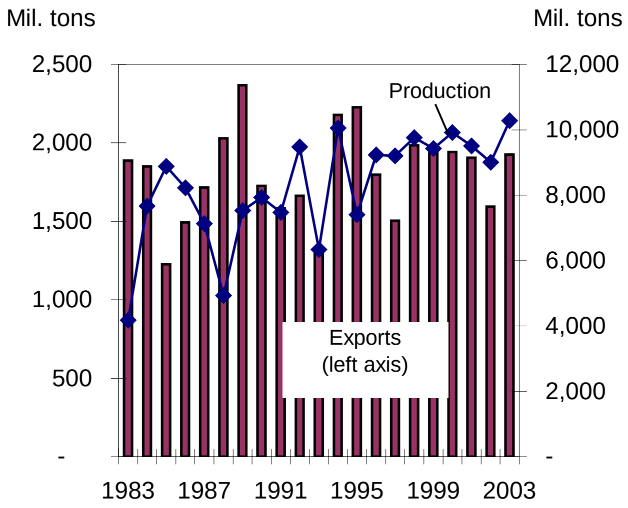
Source: Agricultural Marketing Service, USDA.

2003/04 Corn Exports Raised 50 Million Bushels

Corn exports were raised 50 million bushels to 1,925 million due to less competition from Argentina and a strong export pace to date. These are the largest exports since 2000/01. This change lowered ending stocks to 1,299 million bushels. Increased exports, along with strong prices received thus far in the marketing year, led to a 10-cent increase in projected prices. The 2003/04 corn season-average price is $2.00-$2.40 per bushel.

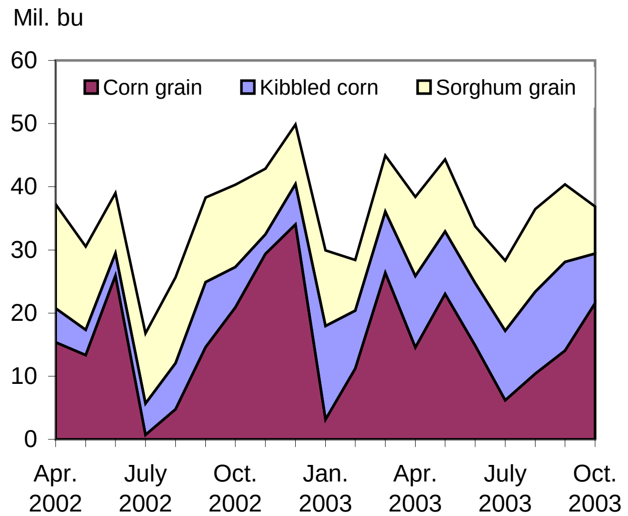
Sorghum exports were increased 10 million bushels to 200 million for 2003/04 due to strong EU demand. This change reduced 2003/04 feed and residual use to 155 million bushels. Ending sorghum stocks remain at 43 million bushels. The 2003/04 sorghum season-average farm price followed corn up 10 cents on both high and low ends to $2.05-$2.45.

Figure 2
U.S. corn production and exports



Source: National Agricultural Statistics Service, USDA.

Figure 3
U.S. corn and sorghum exports to Mexico



Source: Economic Research Service, USDA.

International Outlook

Foreign 2003/04 Coarse Grain Production Projected Up 1 Million Tons This Month

Foreign coarse grain production is projected up 1 million tons to 604 million. Australia's production is up 1.2 million tons to 12.26 million, with smaller changes to other countries offsetting each other. Most of the global increase is in barley, with small increases in corn, oats, and rye, but a drop of 0.6 million in sorghum in Argentina.

Australia's barley crop was increased 1 million tons to a record 8 million due to increased area. With sheep numbers at very low levels because of last year's devastating drought, producers planted more area to small grains instead of pasture. Growing conditions have been generally favorable, and the crop is being harvested. Oat production in Australia was also increased this month. A downward revision in the EU's barley crop was offset by an increase in Canada as these countries' revised their production estimates in recent reports. Iran's 2003/04 barley production was also increased.

Global corn production expected in 2003/04 was revised up slightly this month to 610 million tons. Several changes were mostly offsetting. Projected production in Argentina is down 0.5 million tons to 13.5 million. Dryness has seriously delayed corn planting in the important province of Cordoba, and with soybean prices very attractive, some area initially intended for corn, is expected to be planted with soybeans. Sorghum planting was also disrupted. However, it is too early in the growing season to adjust expected yields significantly.

Corn production in Russia was increased 0.5 million tons to 2 million, as growing conditions were mostly favorable and harvest reports indicate higher-than-expected yields. Statistics Canada reported higher corn yields, boosting corn production 0.4 million tons to 9.6 million. The Czech Republic and Bosnia-Hercegovina reported lower corn production, increasing area, but dropping yields.

Foreign 2003/04 Coarse Grain Use Forecast Up 3 Million Tons

Foreign coarse grain disappearance is up 3 million tons to 699 million this month. Most of the increase is expected in corn. EU corn consumption is projected up 1.1 million tons to 37.2 million this month as tight feed grain supplies and high prices are expected to result in corn stocks being reduced to minimal levels. Larger corn production in Russia and Canada is expected to boost corn feed use in those countries.

Global barley use is projected down more than 1 million tons this month because of a 2-million-ton drop in expected use in the EU. The EU barley stocks history was revised this month as tight EU grain supplies and high prices prompted a review by the Foreign Agricultural Service in the EU. The revisions reduced 2003/04 beginning stocks of barley nearly 3 million tons, constraining projected use. The drop in EU use was partly offset by increased barley consumption expected in Australia and Turkey.

World sorghum use is projected down this month with reduced consumption in Argentina because of lower production, and in the United States, but an increase in the EU, which is importing sorghum because of tight grain supplies and a comparatively low tariff on sorghum compared with corn. EU rye consumption is projected up 1.4 million tons this month to 5.4 million as the Commission is selling rye stocks. Australia's expected 2003/04 oat use is also up this month.

Projected Global Coarse Grain Ending Stocks Down 2 Million Tons Historical Low

World coarse grain production is forecast up 1 million tons this month, but expected use is up 3 million resulting in a 2-million-ton reduction in projected global ending stocks to less than 106 million. This is less than half the level of world coarse grain stocks estimated for 1998/99, and the lowest since 1975/76.

Most of this month's reduction in projected 2003/04 coarse grain ending stocks is in the EU, down 2.3 million tons to less than 11 million tons, the lowest since 1995/96. Expected rye stocks in the EU are down 1.25 million tons this month to 3.2 million, while projected corn stocks are down 0.9 million to 2.3 million, and barley stocks are down 0.4 million to 4.1 million. Coarse grain ending stocks are also down this month in Mexico, with reduced sorghum imports, in Ukraine with increased corn exports, and in South Africa because of lower beginning corn stocks.

Partly offsetting declines in coarse grain 2003/04 ending stocks for the EU and United States were increases for Saudi Arabia, Australia, and Brazil. Brazil's corn stocks are up because of reduced export prospects. Coarse grain ending stocks were projected higher this month for Australia, up 0.7 million tons to 1.6 million because of increased production. In Saudi Arabia projected 2003/04 barley ending stocks are up 1.1 million tons this month because recent EU export data indicate 2002/03 imports by Saudi Arabia were much higher than expected, reaching 7.3 million tons (October-September). This boosted both 2003/04 beginning stocks and projected ending stocks for Saudi Arabia.

U.S. Corn and Sorghum Exports Up This Month

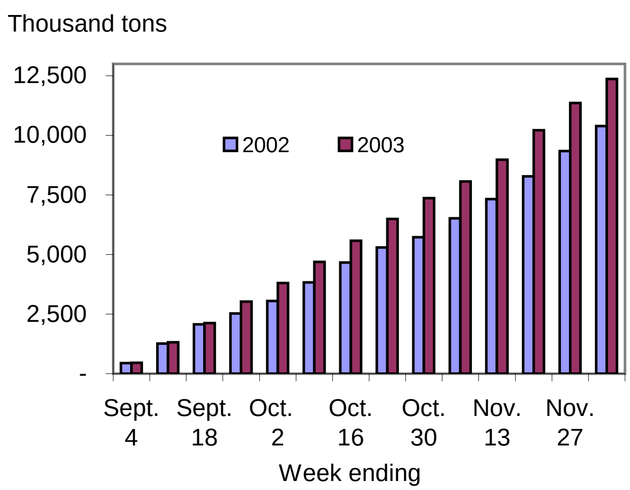
Projected 2003/04 October-September global coarse grain trade is little changed this month at 101.7 million tons, but U.S. exports are up because of reduced competition. Argentina's corn exports are down 0.5 million tons to 10 million because of reduced production prospects. Brazil's 2003/04 October-September corn exports were also reduced 0.5 million tons to 5 million because of slower-than-expected pace of recent sales and shipments.

These changes boosted U.S. corn export prospects 1 million tons to 48.5 million (October-September), the highest since 1999/2000 and up 18 percent compared with last year's low level. The early-season pace of U.S. corn export sales and shipments has been strong. According to Census, October corn exports reached 4.0 million tons, up 24 percent compared with a year ago. Grain inspections in November reached 4.2 million tons, up 21 percent. As of December 4, 2003, outstanding export sales of corn were reported at 10.3 million tons, up 39 percent compared with the same time a year ago.

Projected U.S. sorghum exports were increased 0.2 million tons to 5 million this month because of strong sales to the EU. EU sorghum imports for 2003/04 were increased 0.4 million tons, but Mexico's expected imports were reduced 0.2 million because of tight supplies and high prices in the United States. In recent years, Mexico has imported kibbled (coarsely ground) corn which appears to have displaced some sorghum imports.

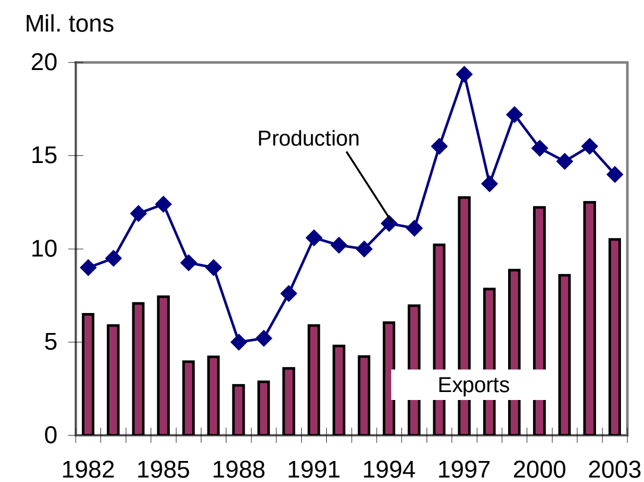
Projected 2003/04 rye imports by Japan and South Korea were reduced slightly this month because of reduced availability from the EU.

Figure 4
Corn Accumulated exports

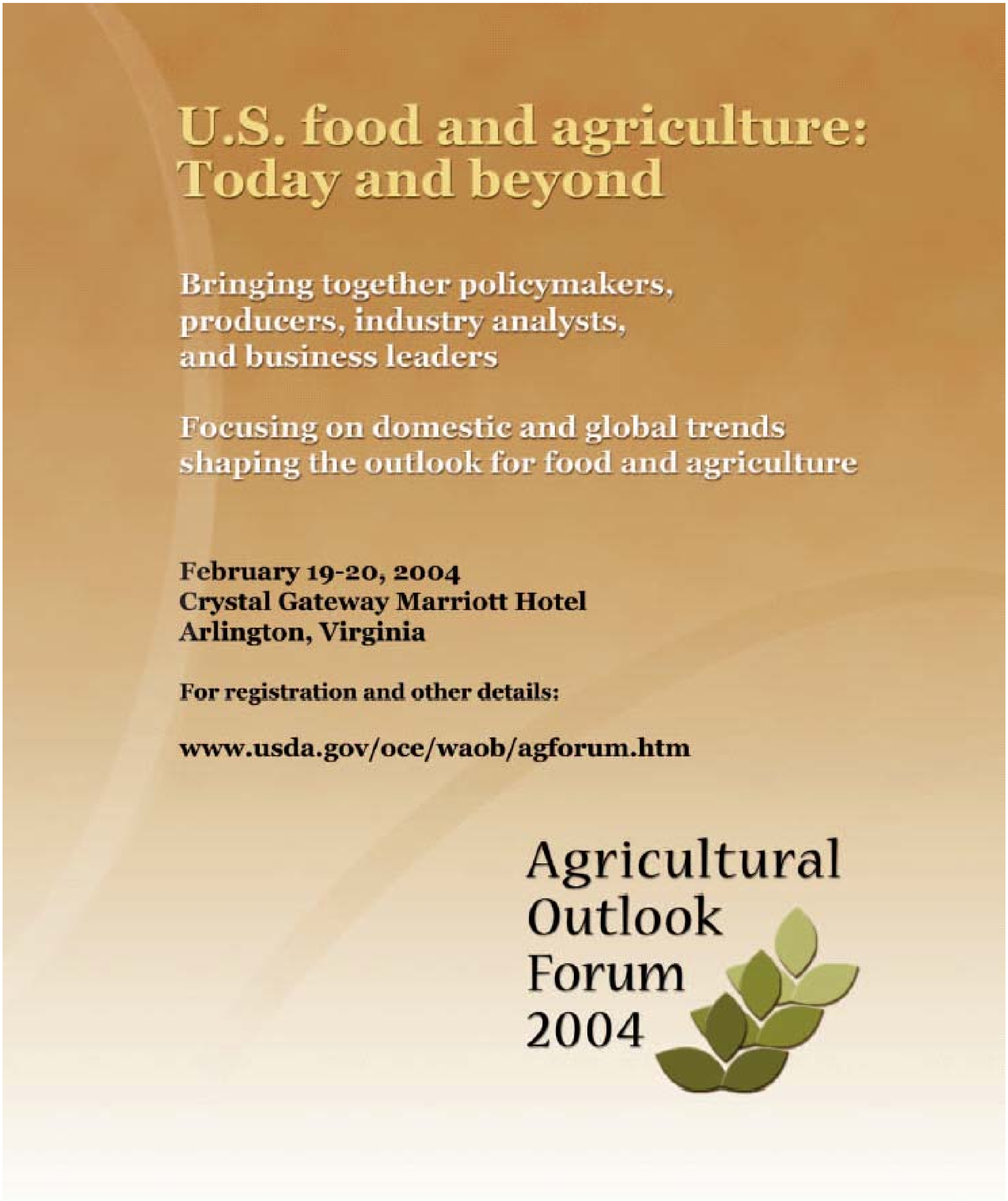


Source: Foreign Agricultural Service, USDA.

Figure 5
Argentina corn production and exports



Source: Foreign Agricultural Service, USDA.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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/FamBill/.

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/2003/12-03/graintoc.htm)
World Agricultural Production (http://www.fas.usda.gov/wap/circular/2003/03-12/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	1,542	448	2,471	5,795	1.96
Mar-May	5,795	---	4	5,799	544	1,161	497	2,203	3,597	1.93
June-Aug	3,597	---	2	3,599	540	950	512	2,002	1,596	2.16
Mkt. yr.	1,899	9,507	10	11,416	2,054	5,861	1,905	9,820	1,596	1.97
2002/03										
Sep-Nov	1,596	9,008	3	10,608	534	2,042	393	2,970	7,638	2.34
Dec-Feb	7,638	---	4	7,642	548	1,562	400	2,510	5,132	2.33
Mar-May	5,132	---	5	5,137	610	1,149	393	2,152	2,985	2.35
June-Aug	2,985	---	2	2,986	606	889	406	1,901	1,086	2.21
Mkt. yr.	1,596	9,008	14	10,619	2,298	5,642	1,592	9,533	1,086	2.32
2003/04										
Mkt. yr.	1,086	10,278	10	11,374	2,450	5,700	1,925	10,075	1,299	2.00-2.40
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	-8	47	45	61	2.25
Mkt. yr.	42	515	0	556	45	208	242	495	61	1.94
2002/03										
Sep-Nov	61	370	0	431	15	133	51	199	232	2.43
Dec-Feb	232	---	0	232	15	7	47	69	163	2.38
Mar-May	163	---	0	163	10	31	40	81	82	2.21
June-Aug	82	---	0	82	5	-13	48	39	43	2.13
Mkt. yr.	61	370	0	431	45	158	186	388	43	2.32
2003/04										
Mkt. yr.	43	400	0	443	45	155	200	400	43	2.05-2.45

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	2.15
Mar-May	142	---	5	147	52	-1	3	54	93	2.16
Mkt. yr.	106	249	24	380	172	88	26	287	93	2.22
2002/03										
June-Aug	93	227	9	328	44	54	7	104	224	2.48
Sep-Nov	224	---	3	227	39	11	7	57	170	2.68
Dec-Feb	170	---	5	175	37	6	8	51	123	2.88
Mar-May	123	---	2	125	53	-6	9	56	69	2.85
Mkt. yr.	93	227	18	338	173	65	30	269	69	2.72
2003/04										
June-Aug	69	276	3	349	44	62	3	110	239	2.89
Mkt. yr.	69	276	30	375	173	85	25	283	92	2.65-2.95
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	0	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	195	17	66	0	84	112	1.70
Sep-Nov	112	---	41	152	17	31	1	48	104	1.82
Dec-Feb	104	---	23	127	15	28	1	44	83	2.05
Mar-May	83	---	18	101	23	28	0	51	50	2.01
Mkt. yr.	63	119	95	277	72	152	2.7	227	50	1.81
2003/04										
June-Aug	50	145	21	216	17	66	1	84	132	1.47
Mkt. yr.	50	145	100	294	73	145	2.0	220	74	1.25-1.55

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
2001/02									
Sep-Nov	56.0	4.2	0.2	0.6	61.0	-0.6	60.4		
Dec-Feb	39.2	0.7	0.4	0.4	40.6	-0.2	40.4		
Mar-May	29.5	0.7	0.0	0.3	30.4	-0.7	29.7		
June-Aug	24.1	-0.2	1.2	1.0	26.1	5.3	31.4		
Mkt. yr.	148.9	5.3	1.7	2.3	158.2	3.8	161.9	89.4	1.81
2002/03									
Sep-Nov	51.9	3.4	0.2	0.6	56.1	-2.0	54.0		
Dec-Feb	39.7	0.2	0.1	0.5	40.5	0.3	40.8		
Mar-May	29.2	0.8	-0.1	0.4	30.3	-0.2	30.1		
June-Aug	22.6	-0.3	1.4	1.0	24.6	8.4	33.0		
Mkt. yr.	143.3	4.0	1.6	2.5	151.4	6.5	157.9	87.8	1.80
2003/04									
Mkt. yr.	144.8	3.9	2.0	2.4	153.1	4.5	157.6	89.1	1.77

Source: USDA, Economic Research Service.

Table 3--Cash feed grain prices

Mkt. yr.	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/
	$/bu	$/bu	$/cwt	$/cwt	$/bu	$/bu	$/bu
2000/01	1.91	2.29	3.87	4.35	1.47	2.37	NQ
2001/02	1.92	2.28	3.90	4.23	1.52	2.44	NQ
2002/03 3/	2.35	2.72	NQ	NQ	1.89	3.48	NQ
Monthly:							
2002:							
July	2.22	2.53	4.39	4.58	1.55	2.56	2.77
Aug.	2.50	2.79	4.79	5.20	1.74	2.69	NQ
Sept.	2.57	2.89	5.30	5.30	1.80	NQ	2.20
Oct.	2.41	2.79	4.75	5.13	2.00	3.43	NQ
2003:							
July	2.13	2.72	NQ	NQ	1.92	3.64	1.55
Aug.	2.26	2.44	NQ	NQ	1.78	2.87	NQ
Sept.	2.25	2.63	NQ	NQ	1.80	2.70	NQ
Oct. 3/	2.11	2.65	NQ	NQ	1.80	2.60	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.								
2000/01	174.15	145.17	58.89	248.43	177.19	84.47	61.77	88.90
2001/02	165.53	134.06	59.71	242.86	167.55	78.48	59.31	104.00
2002/03 3/	178.87	147.23	65.27	241.65	170.81	74.94	64.02	100.00
Monthly:								
2001/02:								
July	187.45	151.50	57.10	254.00	167.05	77.00	53.95	100.00
Aug.	186.25	159.75	61.75	275.00	168.84	NQ	61.25	101.00
Sept.	185.45	156.38	65.38	272.50	164.54	NQ	72.68	101.00
Oct.	168.20	150.10	67.00	268.50	160.40	77.60	71.50	102.00
2002/03:								
July	187.30	143.00	59.50	223.70	177.60	81.00	55.90	92.70
Aug.	189.70	151.70	61.60	226.90	194.10	NQ	63.00	91.00
Sept.	235.20	165.00	67.10	246.90	207.00	NQ	68.70	89.00
Oct. 3/	225.20	163.50	76.90	263.40	222.00	91.00	71.30	88.80

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			
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
Dec-Feb	121.1	49.9	63.0	234.1	33.6	46.5	548.1
Mar-May	139.7	56.0	64.1	249.4	35.1	47.0	591.3
June-Aug	144.4	59.0	65.0	258.7	30.3	47.0	604.4
Mkt. year	531.8	219.3	255.7	953.0	131.0	186.9	2,277.8
2003/04							
Mkt. year	530.0	220.0	260.0	1,100.0	132.0	188.0	2,430.0

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/					
2000/01	15.85	11.75	16.83	9.25	12.44
2001/02	15.74	11.75	18.61	10.58	12.46
2002/03 2/	16.45	12.86	20.36	11.65	13.21
Monthly					
2002:					
Aug.	17.26	13.15	18.88	10.80	13.15
Sept.	17.30	14.10	19.13	12.30	13.69
Oct.	16.84	12.74	18.88	12.30	14.05
Nov.	14.91	14.54	18.88	11.70	13.48
2003:					
Aug.	16.68	12.57	20.90	11.50	12.67
Sept.	16.60	12.49	20.88	11.50	12.49
Oct.	16.52	12.42	20.88	11.75	12.64
Nov. 2/	16.66	12.56	21.98	11.50	12.16

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	------2001/2002------		------2002/2003------		2003/2004
	Mkt. yr.	June-Oct.	Mkt. yr.	June-Oct.	June-Oct.
Oats:			Thousand tons		
Canada	1,138	672	843	493	624
Finland	264	142	360	142	75
Sweden	217	98	381	129	71
Total 1/	1,654	913	1,640	765	769
Barley, malting:					
Canada	488	240	317	229	76
Total 1/	489	240	360	229	127
Barley, other: 2/					
Canada	32	1.8	42	12	7
Total 1/	32	1.8	42	12	7

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, U.S. Dept. of Commerce.

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

Country/region	------2001/02--------		------2002/03--------		2003/2004
	Mkt. yr.	Sept.-Oct.	Mkt. yr.	Sept.-Oct.	Sept.-Oct.
	1,000 metric tons				
Corn:					
Japan	14,893	2,244	14,508	2,211	2,207
Mexico	4,464	1,228	5,255	894	894
Taiwan	4,680	719	4,014	530	893
Egypt	4,468	873	2,702	330	807
S. Korea	1,355	270	270	1	73
Canada	3,909	638	3,923	692	549
Colombia	1,698	225	1,585	188	205
Venezuela	460	47	608	121	187
Algeria	1,367	240	898	277	345
Saudi Arabia	714	150	131	40	91
Dominican Republic	1,030	156	937	186	134
Israel	832	11	268	31	164
Syria	786	161	517	126	237
Turkey	747	--	981	--	--
Morocco	600	81	76	--	84
Costa Rica	463	79	529	98	86
Tunisia	714	137	123	--	71
Peru	261	58	42	27	20
Iran	63	--	--	--	--
Sub-Saharan Africa	695	24	339	189	19
Former USSR	86	20	--	--	6
Chile	34	--	--	--	19
EU	26	2	8	--	1
East Europe	15	--	--	--	6
China	20	--	--	--	--
Others	3,790	439	2,599	330	664
Total	48,172	7,802	40,315	6,273	7,762
Sorghum:					
Mexico	4,653	680	3,194	658	463
Japan	1,264	273	1,015	260	324
Israel	30	5	39	--	61
EU	9	--	182	--	225
Others	71	25	104	15	38
Total	6,027	982	4,535	933	1,111
	------2001/2002------		------2002/2003------		2003/2004
	Mkt. yr.	June-Oct.	Mkt. yr.	June-Oct.	June-Oct.
Barley:					
Saudi Arabia	--	--	--	--	--
Japan	293	185	358	124	153
Mexico	70	24	25	3	9
Taiwan	--	--	--	--	--
Canada	94	56	195	87	26
Other	113	79	73	23	14
Total	571	344	650	237	202

1/ Totals may not add due to rounding.

Source: Bureau of the Census, U.S. Dept. of Commerce.