Electronic Outlook Report from the Economic Research Service

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United States Department of Agriculture

FDS-04h

Sept. 14, 2004

Feed Outlook

Allen Baker and Edward Allen

Feed Grains Production Increased

Contents

The next release is October 14, 2004

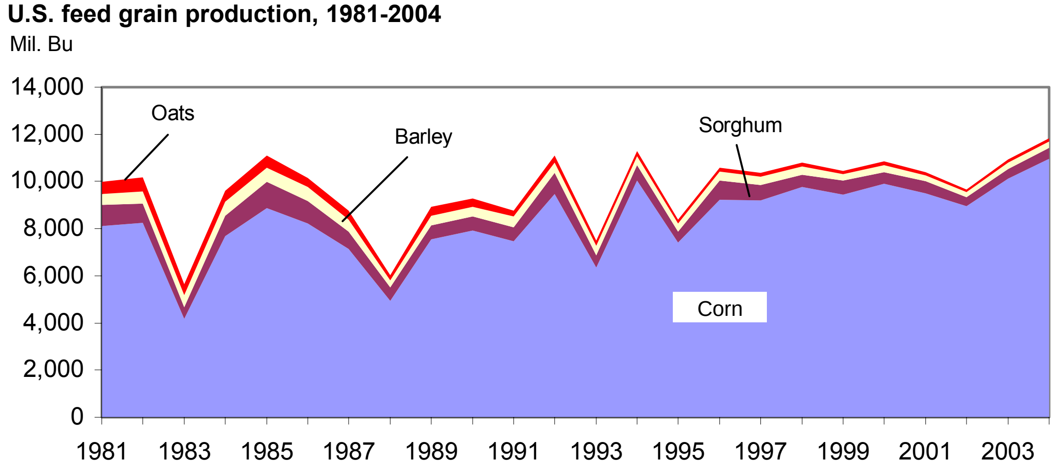
Approved by the World Agricultural Outlook Board.

The feed grains production forecast increased this month because of larger forecasts for corn and sorghum crops. While corn harvest will not be completed for some time, current indications are that both yield and production will set records. As a result of the increased corn production, total feed grains production will also set a record. In 2003/04, corn exports were reduced because of the slower-than-expected pace at the end of the marketing year.

World coarse grain production in 2004/05 is projected to reach a record 959 million tons, up 3 million this month, with foreign coarse grains production up almost 2 million tons. With larger production and increased beginning stocks this month, global coarse grains supplies increased more than use, boosting ending stocks. Global ending stocks for 2004/05 are forecast to reach 130 million tons, up nearly 4 million tons this month, and are now projected to be 2 million tons larger than beginning stocks. However, much of the increase is in U.S. stocks, with foreign coarse grain stocks up only 1.6 million tons this month to 94 million tons.

Figure 1

U.S. feed grain production, 1981-2004



Source: National Agricultural Statistics Service, USDA.

Domestic Outlook

2004 Feed Grain Supplies Increased

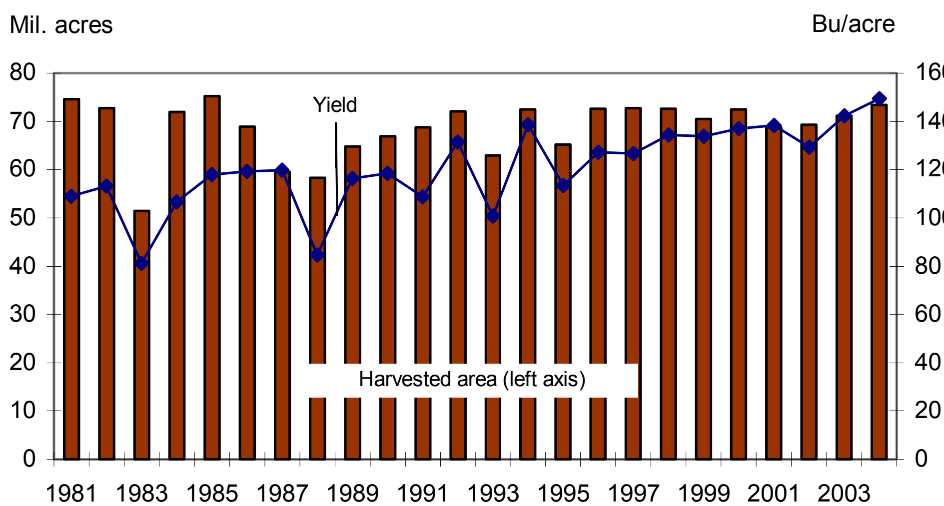
U.S. feed grain production in 2004 is forecast at a record 298 million metric tons, up 1 million from a month ago, up 23 million from 2003, and up 15 million above the old record in 1994/95. Production was up from last month for corn and sorghum and up from last year. Feed grain supply in 2004/05 is forecast at 329 million tons, up 1 percent from last month and up 7 percent from 2003/04. Forecast beginning stocks are up 4 percent from last month, but down 7 percent from the previous year.

Total feed grain use is unchanged this month at a record 293 million tons in 2004/05, up 13 million tons from the previous year. Domestic use of 234 million tons is also unchanged from last month and up 7 million tons from a year earlier.

When converted to a September-August marketing year, feed and residual use for the four feed grains plus wheat in 2004/05 is projected to total 162 million tons, unchanged from last month and up 2 percent from 2003/04. Corn is estimated to account for 92 percent of the feed and residual use in 2004/05, the same as in the previous year.

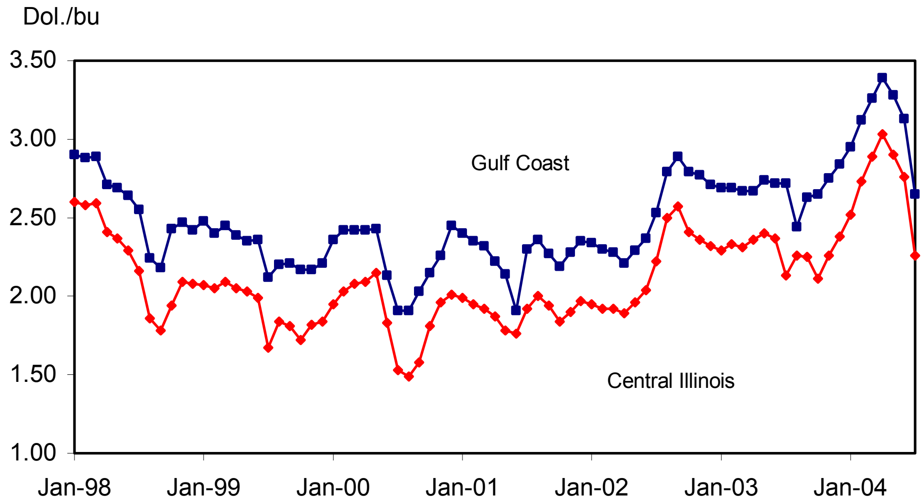
The projected index of grain-consuming animal units (GCAU) for 2004/05 was up 1 percent this month but is essentially unchanged from 2003/04. The change in GCAUs this month was caused by an increase in dairy cow numbers and cattle-on-feed inventory caused by a slowing in feedlot marketings. GCAUs for the other livestock sectors are little changed this month. The grain used per GCAU in 2004/05 would be 1.82 tons, down nearly 1 percent from last month and up 2 percent from 2003/04 mainly because feed and residual use increases when crops are large and prices decline.

Figure 2
Corn harvested area and yield



Source: National Agricultural Statistics Service, USDA.

Figure 3
Cash corn prices, number 2 yellow, selected locations



Source: National Agricultural Statistics Service, USDA.

Corn Crop Forecast Up 8 Percent From Last Year

Corn production in 2004 is forecast at a record 10.96 billion bushels, up 38 million bushels from last month and 847 million bushels above last year. This survey reflects September 1 conditions. The average corn yield is forecast at a record 149.4 bushels per acre, compared with last month's estimate of 148.9 bushels and the actual 2003 yield of 142.2 bushels. The September 1 survey data indicate record stalk counts for the combined 10 Objective Yield States (Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin). This year the Objective Yield program was expanded from 7 to 10 States by adding Kansas, Missouri, and South Dakota. Forecast ears per acre are also at a record high, 2.5 percent above the previous record high set last year.

U.S. farmers expect to harvest 73.4 million acres of corn for grain, virtually unchanged from August but up 3 percent from 2003. Planted area is unchanged from June.

Projected ending stocks for 2003/04 increased 40 million bushels from last month and is the lowest since 1996/97. Exports were lowered 40 million bushels this month because of a slow export pace. Forecast 2004/05 corn use was unchanged from last month at a record 10.7 billion bushels, up 460 million bushels from 2003/04.

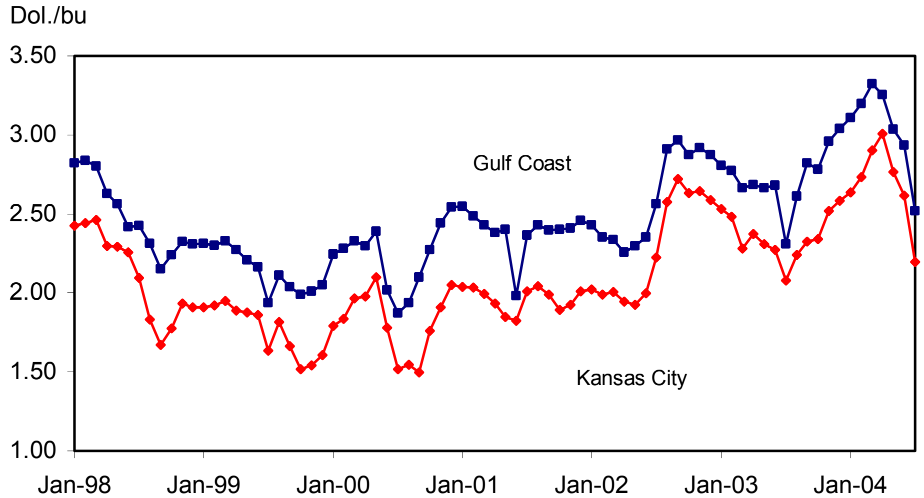
With increased corn supplies and unchanged use, the forecast price for 2004/05 is $2.00-$2.40 per bushel, compared with last month's $2.05-$2.45. In 2003/04, the season-average price received by farmers is expected to be $2.40.

Sorghum Crop To Increase From Last Year

The forecast for sorghum indicates production of 472 million bushels in 2004, up 7 million bushels from last month and up 61 million bushels from last year. Plantings and area to be harvested for grain were down from last year but yields are up. Yields are forecast at 68.3 bushels per acre, up from last month's 67.2 bushels, and up 15.6 bushels from 2003.

Figure 4

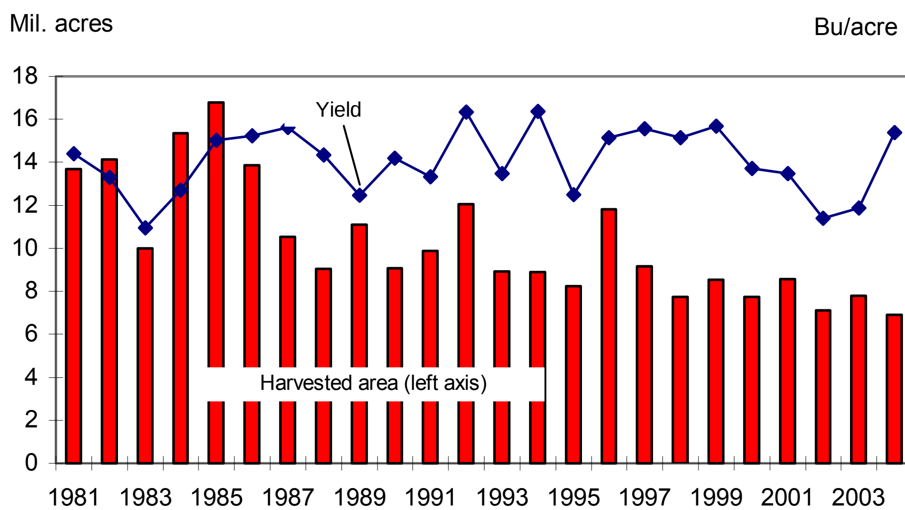
Grain sorghum prices, number 2 yellow at selected locations



Source: National Agricultural Statistics Service, USDA.

Figure 5

Sorghum harvested area and yield



Source: National Agricultural Statistics Service, USDA.

There were no changes in 2003/04 sorghum supply or use, so beginning stocks for 2004/05 are unchanged from last month. In 2004/05, total use of sorghum is expected to be unchanged from last month, and up 45 million bushels from 2003/04. Given higher production and no change in use, ending stocks are up 8 million bushels from last month.

In the 2003/04 marketing year, prices received by farmers for sorghum are expected to average $2.38 per bushel, slightly lower than corn. Prices in 2004/05 are expected to average 10 cents lower relative to corn, projected at $1.90-$2.30, 95 percent of the corn price.

Barley and Oats Unchanged

The 2004 production forecasts were unchanged for September 1, but may change when the Small Grains report is released at the end of September. No other information was received that would justify changing supplies or use. Even with a slight decline in corn prices, which would normally justify reducing barley and oat price estimates, prices are unchanged this month. For barley and oats, frosts in Canada have raised questions on the potential size of the crops and have added some strength to U.S. prices. In addition, prices received by farmers thus far this marketing year and "normal" marketing weights suggest little change in the estimated price.

International Outlook

Record Global Coarse Grains Production Expected In 2004/05

World coarse grain production in 2004/05 is projected to reach a record 959 million tons, up, 3 million tons this month. Foreign coarse grains production is up almost 2 million tons this month, with foreign barley production up 1.8 million tons, corn up 0.6 million tons, sorghum down 0.4 million tons, oats down 0.7 million tons, and rye up 0.2 million tons.

The largest increase in barley production is for Ukraine, up 1 million tons to 11.5 million tons based on harvest progress reports. European Union (EU-25) barley production is up 0.9 million tons this month to 60 million tons, with increases for the Czech Republic, Hungary, and Poland. Belarus barley production was up 0.3 million tons to 1.6 million tons, and several other countries posted smaller increases. However, barley production prospects dropped 0.5 million tons in Kazakhstan because of drought in the western part of the producing region. Canada's barley production was reduced 0.25 million tons to 13.25 million tons because of lower-than-expected reported yields, delays in maturity and harvest, and early frost.

Corn production prospects increased 0.5 million tons this month for both Serbia (6.2 million tons) and Hungary (7.5 million tons), as growing conditions were favorable on Europe's Central Plain. However, cold weather limited corn production potential north of the Carpathian Mountains, and Poland's corn projection was reduced 0.4 million tons to 2 million tons.

Oats production potential in Russia was reduced 0.5 million tons to 5.5 million tons as reduced area was reported. Australia's oats production forecast was reduced 0.3 million tons to 1.3 million tons as Australian Bureau of Agricultural Resource Economics reported lower-than-expected yield prospects. Russia also reported a decline in rye area, reducing production prospects 0.4 million tons to 3.6 million tons, but that was more than offset by increased rye production prospects for Ukraine, Belarus, and the EU-25.

Sorghum production in China was revised for several recent years based on official data showing reduced area and production. The 2004/05 prospects declined 0.4 million tons to 2.9 million tons.

Projected Global Coarse Grain Use Up Slightly, Stocks Up More

Global coarse grains use is projected at 957 million tons, up 0.5 million tons this month. Declines for China, with sorghum use down 0.5 million tons, and for Australia, down 0.3 million tons, partly offset increases for the EU-25 (up 0.9 million tons), Algeria (up 0.3 million tons), and several others. Consumption prospects for the former Soviet Union were almost unchanged due to increases for Ukraine offsetting declines for Russia.

With larger production and increased beginning stocks this month, global coarse grains supplies increased more than use, boosting ending stocks. Global ending stocks for 2004/05 are forecast to reach 130 million tons, up nearly 4 million tons this month, and are now projected to be 2 million tons larger than beginning stocks. However, much of the increase is in U.S. stocks, with foreign coarse grain stocks up only 1.6 million tons this month to 94 million tons.

Global 2004/05 corn ending stocks are still expected to decline compared with beginning stocks, as the drop in China's stocks is expected to exceed the U.S. buildup. World barley ending stocks are projected up 1.8 million tons this month to 28.4 million, the largest in 6 years.

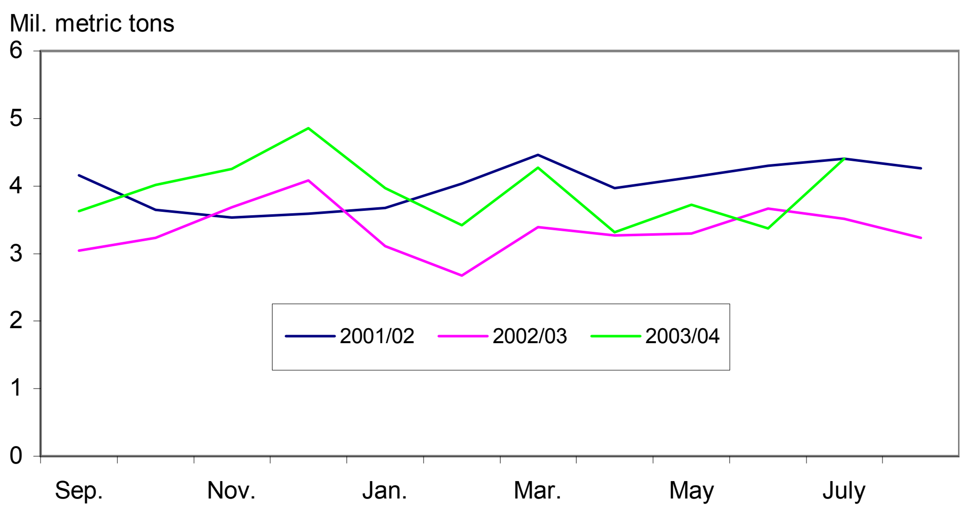
World Corn Trade Prospects for 2004/05 Little Changed

Corn export prospects for 2004/05 were modified slightly this month. Argentina has shipped corn at a faster-than-expected pace in recent months, boosting its export prospects for 2003/04 from 9.5 million tons to 10 million tons, but that corn will not be available to ship early in 2004/05, so Argentina's 2004/05 export projection was reduced from 10.5 million tons to 10 million tons. Brazil's 2004/05 corn export prospects were also reduced slightly as the pace of exports is expected to slow. These were partly offset by increased export prospects for Serbia.

As 2003/04 (October-September trade year) is nearing an end, the pace of late-season shipments resulted in several changes. While Argentina's and Brazil's export pace exceeded expectations, the U.S. export pace has been slower than anticipated.

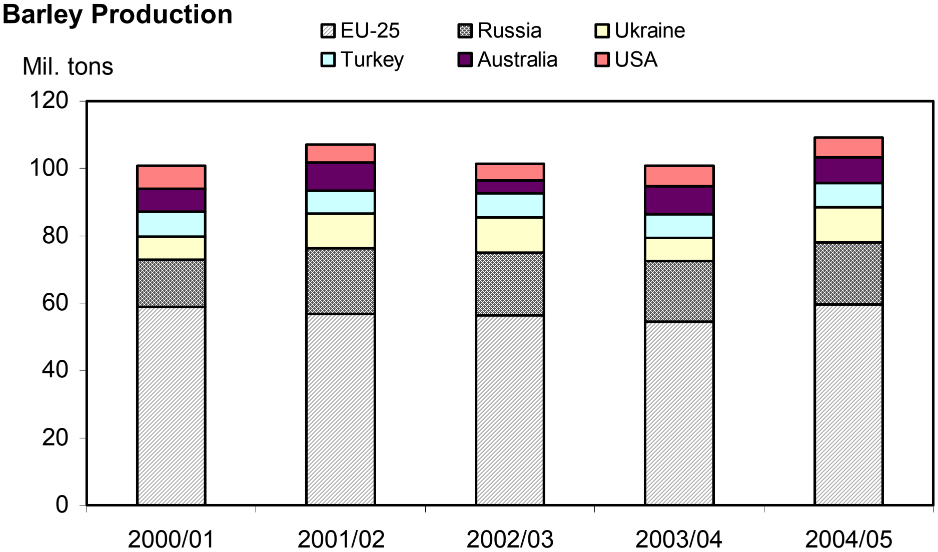
Figure 6

Monthly U.S. corn exports



Source: Bureau of the Census, USDC.

Figure 7
Barley Production



Source: Foreign Agricultural Service, USDA.

Contacts and Links

Contact Information
Allen Baker (domestic), (202) 694-5290, albaker@ers.usda.gov
Edward Allen (international), (202) 694-5288, ewallen@ers.usda.gov

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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 Report

Forecasting Feed Grain Prices in a Changing Environment. Structural change has been occurring throughout the feed grains sector and has affected commodity markets and price forecasting relationships. This report includes tests for structural change and season average farm level price forecasting models for corn, sorghum, barley, and oats. The report is available at:
http://www.ers.usda.gov/publication/FDS/jul04/fds04F01/

Related Websites

WASDE (http://www.usda.gov/oce/waob/wasde/latest.pdf)
Grain Circular (http://www.fas.usda.gov/grain/circular/2004/09-04/graintoc.htm)
World Agricultural Production http://www.fas.usda.gov/wap_arc.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
2001/02										
Sep-Nov	1,899	9,503	2	11,404	492	2,199	448	3,139	8,265	1.86
Dec-Feb	8,265	---	2	8,266	482	1,540	448	2,471	5,795	1.96
Mar-May	5,795	---	4	5,799	539	1,166	497	2,203	3,597	1.93
June-Aug	3,597	---	2	3,599	532	958	512	2,002	1,596	2.16
Mkt. yr.	1,899	9,503	10	11,412	2,046	5,864	1,905	9,815	1,596	1.97
2002/03										
Sep-Nov	1,596	8,967	3	10,567	549	1,986	393	2,929	7,638	2.34
Dec-Feb	7,638	---	4	7,642	563	1,557	390	2,510	5,132	2.33
Mar-May	5,132	---	5	5,137	617	1,141	393	2,152	2,985	2.35
June-Aug	2,985	---	2	2,987	611	879	411	1,900	1,087	2.21
Mkt. yr.	1,596	8,967	14	10,578	2,340	5,563	1,588	9,491	1,087	2.32
2003/04										
Sep-Nov	1,087	10,114	2	11,203	598	2,181	470	3,249	7,954	2.17
Dec-Feb	7,954	---	4	7,957	616	1,571	499	2,686	5,271	2.42
Mar-May	5,271	---	5	5,277	684	1,153	469	2,307	2,970	2.83
Mkt. yr.	1,087	10,114	13	11,214	2,575	5,800	1,885	10,260	954	2.40
2004/05										
Mkt. yr.	954	10,961	15	11,929	2,770	5,850	2,100	10,720	1,209	2.00-2.40
Sorghum:										
2001/02										
Sep-Nov	42	514	0	556	6	173	63	242	314	1.86
Dec-Feb	314	---	0	314	6	36	78	120	194	1.84
Mar-May	194	---	0	194	6	29	53	89	105	1.78
June-Aug	105	---	0	105	5	-8	47	45	61	2.25
Mkt. yr.	42	514	0	556	23	230	242	495	61	1.94
2002/03										
Sep-Nov	61	361	0	422	5	134	51	190	232	2.43
Dec-Feb	232	---	0	232	5	18	46	69	163	2.38
Mar-May	163	---	0	163	8	33	40	81	82	2.21
June-Aug	82	---	0	82	6	-14	48	39	43	2.13
Mkt. yr.	61	361	0	422	24	170	184	379	43	2.32
2003/04										
Sep-Nov	43	411	0	454	7	151	61	218	236	2.26
Dec-Feb	236	---	0	236	6	14	57	77	159	2.44
Mar-May	159	---	0	159	7	25	47	78	80	2.75
Mkt. yr.	43	411	0	454	20	190	200	410	44	2.38
2004/05										
Mkt. yr.	44	472	0	517	50	180	225	455	62	1.90-2.30

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
2001/02										
June-Aug	106	248	8	362	44	62	11	117	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	0	3	55	92	2.16
Mkt. yr.	106	248	24	379	172	88	26	286	92	2.22
2002/03										
June-Aug	92	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.	92	227	18	337	173	65	30	268	69	2.72
2003/04										
June-Aug	69	276	3	349	45	59	3	107	242	2.89
Sep-Nov	242	---	4	246	38	1	9	48	198	2.83
Dec-Feb	198	---	5	203	38	6	6	50	153	2.81
Mar-May	153	---	8	161	51	-10	0	41	120	2.77
Mkt. yr.	69	276	21	366	172	55	19	246	120	2.83
2004/05										
Mkt. yr.	120	273	20	413	172	90	25	287	126	2.25-2.65
Oats:										
2001/02										
June-Aug	73	118	18	208	17	74	1	92	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	118	96	286	72	148	2.8	223	63	1.59
2002/03										
June-Aug	63	116	14	193	17	63	0	81	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	116	95	274	72	150	2.6	224	50	1.81
2003/04										
June-Aug	50	145	21	216	16	68	1	84	132	1.44
Sep-Nov	132	---	28	160	17	23	1	41	119	1.39
Dec-Feb	119	---	21	140	16	29	1	45	95	1.54
Mar-May	95	---	20	115	25	25	0	50	65	1.64
Mkt. yr.	50	145	90	285	73	145	2.5	220	65	1.48
2004/05										
Mkt. yr.	65	128	90	283	74	140	3.0	217	66	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
2002/03									
Sep-Nov	50.5	3.4	0.2	0.6	54.7	-2.0	52.6		
Dec-Feb	39.5	0.5	0.1	0.5	40.6	0.5	41.1		
Mar-May	29.0	0.8	-0.1	0.4	30.1	-0.2	29.9		
June-Aug	22.3	-0.4	1.3	1.0	24.3	8.4	32.7		
Mkt. yr.	141.3	4.3	1.5	2.5	149.7	6.6	156.3	88.3	1.77
2003/04									
Sep-Nov	55.4	3.8	0.0	0.4	59.7	-1.6	58.1		
Dec-Feb	39.9	0.3	0.1	0.5	40.8	0.1	41.0		
Mar-May	29.3	0.6	-0.2	0.4	30.1	-1.4	28.8		
Mkt. yr.	147.3	4.8	1.2	2.3	155.7	3.9	159.6	89.5	1.78
2004/05									
Mkt. yr.	148.6	4.6	2.0	2.3	157.5	4.9	162.4	89.3	1.82

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
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:							
2003:							
Apr.	2.36	2.67	4.54	4.79	2.00	3.89	NQ
May	2.40	2.74	4.76	4.76	2.00	3.85	NQ
June	2.37	2.72	NQ	NQ	2.00	3.76	NQ
July	2.13	2.72	NQ	NQ	1.92	3.64	1.55
2004:							
Apr.	3.03	3.39	5.71	5.81	1.80	2.70	NQ
May	2.90	3.28	NQ	5.42	1.85	2.70	NQ
June	2.76	3.13	5.15	5.24	1.98	2.79	1.88
July 3/	2.26	2.65	4.36	4.50	1.99	2.67	1.88

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:								
2003:								
Apr.	182.10	142.40	64.80	226.20	172.70	93.30	50.00	96.20
May	195.40	131.75	62.50	235.00	170.90	86.00	49.80	101.00
June	191.90	131.50	62.90	230.40	172.50	81.00	54.70	101.00
July	187.30	143.00	59.50	223.50	177.60	81.00	46.10	93.80
2004:								
Apr.	265.88	219.68	83.20	390.38	270.00	128.00	77.40	93.00
May	307.13	185.00	84.25	344.10	209.73	123.00	68.28	109.00
June	311.50	185.40	70.50	332.50	201.33	123.00	67.50	102.00
July 3/	293.63	177.50	64.50	NQ	255.00	NQ	63.88	98.40

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			
2002/03							
Sep-Nov	126.6	54.5	63.5	225.9	32.0	46.5	549.0
Dec-Feb	121.1	49.9	63.0	249.3	33.6	46.5	563.3
Mar-May	139.7	56.0	64.1	256.5	35.1	47.0	598.4
June-Aug	144.4	59.0	65.0	263.8	30.3	47.0	609.5
Mkt. year	531.8	219.3	255.7	995.5	131.0	186.9	2,320.2
2003/04							
Sep-Nov	127.6	57.7	65.4	268.7	32.3	46.6	598.3
Dec-Feb	120.4	51.5	65.9	298.1	33.8	46.6	616.3
Mar-May	140.1	58.8	70.0	312.9	35.4	47.1	664.3
Mkt. year	535.0	230.0	270.0	1,200.0	132.0	187.4	2,554.4
2004/05							
Mkt. year	541.0	237.0	280.0	1,370.0	133.0	189.0	2,750.0

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/					
2001/02	15.74	11.75	18.61	10.58	12.46
2002/03	16.45	12.86	20.36	11.65	13.21
2003/04 2/	17.12	13.11	21.81	12.48	13.03
Monthly					
2003:					
May	16.94	12.83	20.88	11.50	13.24
June	16.73	12.62	20.88	11.50	13.24
July	16.28	12.18	20.88	11.50	13.15
Aug.	16.68	12.57	20.90	11.50	12.67
2004:					
May	17.62	13.52	21.98	12.75	14.11
June	17.51	14.43	21.98	12.75	13.90
July	16.58	12.48	21.98	12.75	14.02
Aug. 2/	16.31	12.21	21.98	12.75	12.79

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	------2002/2003------		------2003/2004------		2004/2005
	Mkt. yr.	June-July	Mkt. yr.	June-July	June-July
Oats:			Thousand tons		
Canada	843	54	1,206	81	105
Finland	360	15	185	51	--
Sweden	381	44	167	18	77
Total 1/	1,640	113	1,559	149	182
Barley, malting:					
Canada	317	102	321	9	37
Total 1/	360	102	400	61	37
Barley, other: 2/					
Canada	42	6.0	50	3	6
Total 1/	42	6.0	50	3	6

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.-July	Mkt. yr.	Sept.-July	Sept.-July
	1,000 metric tons				
Corn:					
Japan	14,893	13,482	14,508	13,118	13,703
Mexico	4,464	4,344	5,255	4,993	5,217
Taiwan	4,680	4,224	4,014	3,736	4,309
Egypt	4,468	3,805	2,702	2,239	2,970
S. Korea	1,355	1,300	270	269	2,978
Canada	3,909	3,385	3,923	3,646	1,714
Colombia	1,698	1,611	1,585	1,536	1,537
Venezuela	460	360	608	594	561
Algeria	1,367	1,259	898	752	1,200
Saudi Arabia	714	714	131	131	264
Dominican Republic	1,030	929	937	852	719
Israel	832	800	268	268	1,126
Syria	786	710	517	434	611
Turkey	747	747	981	981	584
Morocco	600	572	76	76	534
Costa Rica	463	411	529	478	486
Tunisia	714	642	123	100	573
Peru	261	236	42	42	65
Iran	63	63	--	--	--
Sub-Saharan Africa	695	661	339	325	122
Former USSR	86	86	--	--	26
Chile	34	34	--	--	19
EU	26	26	8	7	45
East Europe	15	--	--	--	--
China	20	20	--	--	--
Others	3,790	3,486	2,599	2,384	3,869
Total	48,172	43,908	40,315	36,960	43,232
Sorghum:					
Mexico	4,653	4,316	3,194	2,874	2,454
Japan	1,264	1,124	1,015	950	935
Israel	30	30	39	24	131
EU	9	9	182	35	866
Others	71	68	104	97	112
Total	6,027	5,547	4,535	3,980	4,498

	------2002/2003------		------2003/2004------		2004/2005
	Mkt. yr.	June-July	Mkt. yr.	June-July	June-July
Barley:					
Saudi Arabia	--	--	--	--	--
Japan	358	4	216	4	5
Mexico	25	2	15	2	1
Taiwan	--	--	--	--	--
Canada	195	12	36	12	6
Other	73	76	141	5	7
Total	650	94	408	23	19

1/ Totals may not add due to rounding.

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