United States Department of Agriculture

FDS-05b

Feb. 11, 2005

Electronic Outlook Report from the Economic Research Service

www.ers.usda.gov

Feed Outlook

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Corn Exports Lowered

Contents

The next release is March 14, 2005

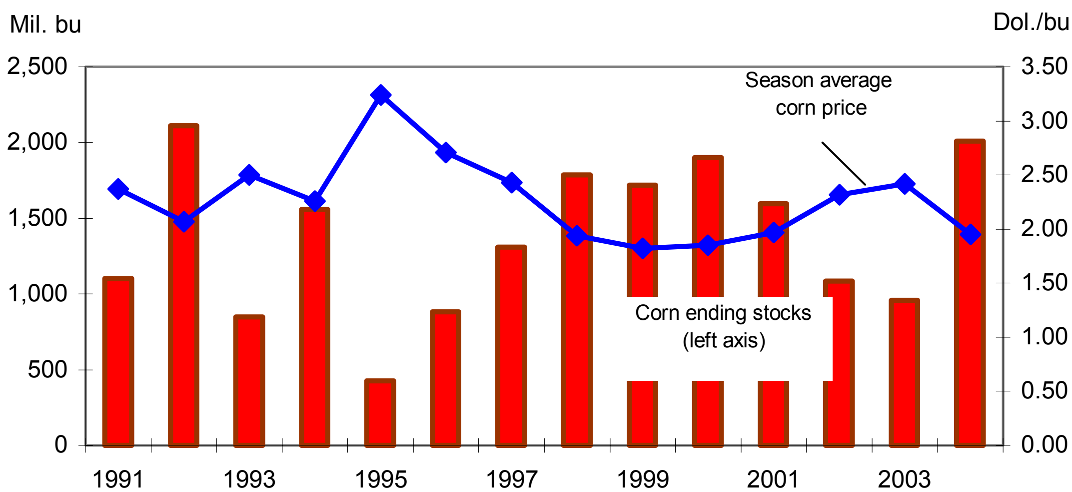
Approved by the World Agricultural Outlook Board.

Because of increased competition from Argentina and lower imports by Canada, projected U.S. corn exports were lowered 50 bushels to 1.9 billion bushels, down from 1.95 billion last month, and nearly the same as last year. The early-season shipments and sales of U.S. corn have been sluggish. The current U.S. corn export forecast clearly anticipates that during the second half of 2004/05 sales and shipments will be significantly larger than the previous year.

Estimated barley used for food and industrial purposes was lower 22 million bushels to reflect declining use for beer since 1995/96.

Figure 1

Increasing stocks lead to lower corn prices



Source: Economic Research Service, USDA.

Domestic Outlook

Feed Grain Exports Down and Stocks Increase

Projected feed grain exports were lowered 1.2 million metric tons this month to 53.1 million, down 0.6 million from the 53.7 million tons exported in 2003/04. All of this change was due to a decline in corn exports. Projected food, seed, and industrial (FSI) uses were also down 0.5 million tons because of the decline in barley use for beer. Most of the barley decline is expected to be fed, so feed and residual use of feed grains is up 0.4 million tons. These changes resulted in projected ending stocks increasing 1.3 million tons from last month to 56 million tons, up sharply from 28.7 million in 2003/04.

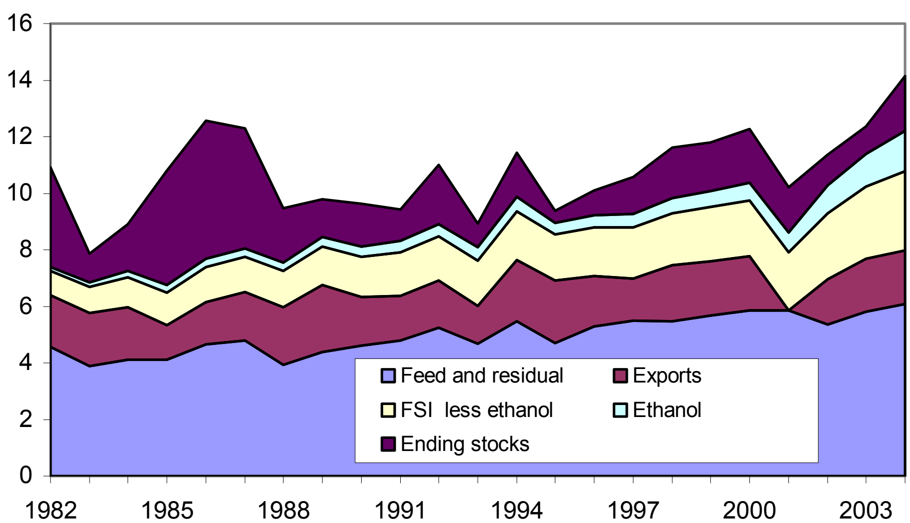
Feed and Residual Use Up From Last Year

On a September-August marketing year basis, feed and residual of the four major feed grains plus feed wheat is projected at 169.2 million tons, up from 160.4 million for 2003/04. The projected index of grain consuming animal units (GCAU) for 2004/05 is 90.5 million units up from 89.6 million units last year. Feed use per GCAU is projected at 1.87 tons, the highest since 1999/2000.

The January 2005 cattle inventory was 95.8 million head, up from 94.9 million last year. Cattle and calves on feed are 13.7 million head, down from 13.8 million a year earlier. Projected beef production for calendar year 2005 was raised slightly to 26.05 billion pounds, up 6 percent from 2004. Dairy cow numbers are slightly higher than last year, and 2005 milk production is estimated at 173.8 billion pounds, up 2 percent from 2004.

All of the animal product production is expected to increase in 2005. Projected broiler production for 2005 was unchanged this month at 35.1 billion pounds, up 3 percent from last year. Turkey production is estimated at 5.6 billion pounds, up

Figure 2
Corn utilization
Billion bu



Source: Economic Research Service, USDA.

from 5.4 billion last year. Projected egg production in 2005 is 7.6 billion dozen, up from 7.4 billion in 2004. Pork production for 2005 was lowered 50 million pounds to 20.7 billion pounds this month, but still up from 20.5 billion in 2004.

Projected Corn Ending Stocks Increased 50 Million Bushels

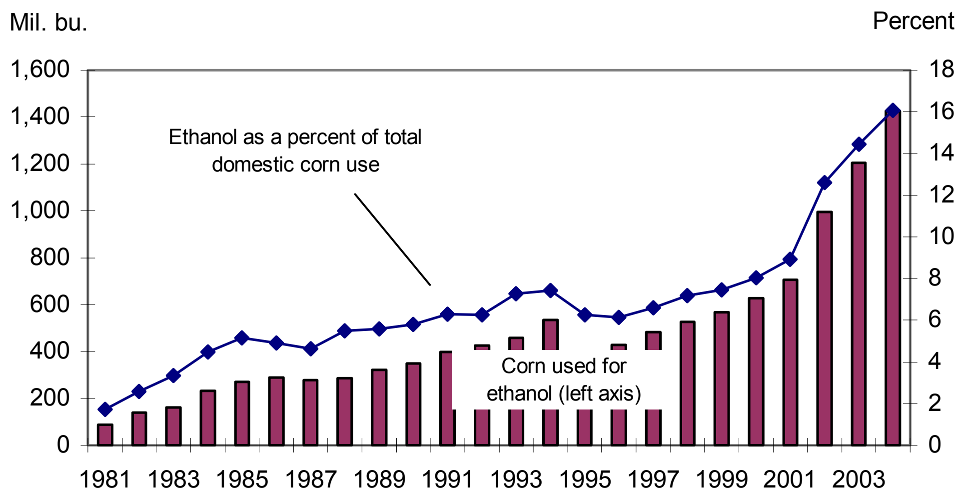
The only change made in the supply and use for corn this month was a reduction in estimated exports. Projected exports were lowered 50 million bushels because of increased competition from Argentina and reduced imports by Canada. Projected exports for 2004/05 at 1.9 billion bushels would be essentially unchanged from the 1.897 billion recorded in 2003/04. Since none of the other use categories was increased this month, the lowered exports resulted in increased projected ending stocks. Estimated ending stocks are 2.01 billion bushels, up 50 million from last month and up from 958 million in 2003/04. The projected 2004/05 season average corn price range is narrowed 5 cents on each end to $1.85 to $2.05, compared with $2.42 in 2003/04.

Barley Feed and Residual Raised This Month

Projected feed and residual use of barley is increased this month 20 million bushels to 130 million, compared with 84 million in 2003/04. Barley used for food and industrial purposes was adjusted historically to reflect data reported by the Treasury Department (see last section) and resulted in a lower estimate of food, seed, and industrial use. Projected food, seed, and industrial use is reduced 22 million bushels this month to 150 million, up from 146 million in 2003/04. Estimated ending stocks were increased 2 million bushels this month, up from 123 million last month and 120 million in 2003/04. Projected prices received by farmers are narrowed 5 cents on each end to $2.45 to $2.55, compared with $2.83 in 2003/04.

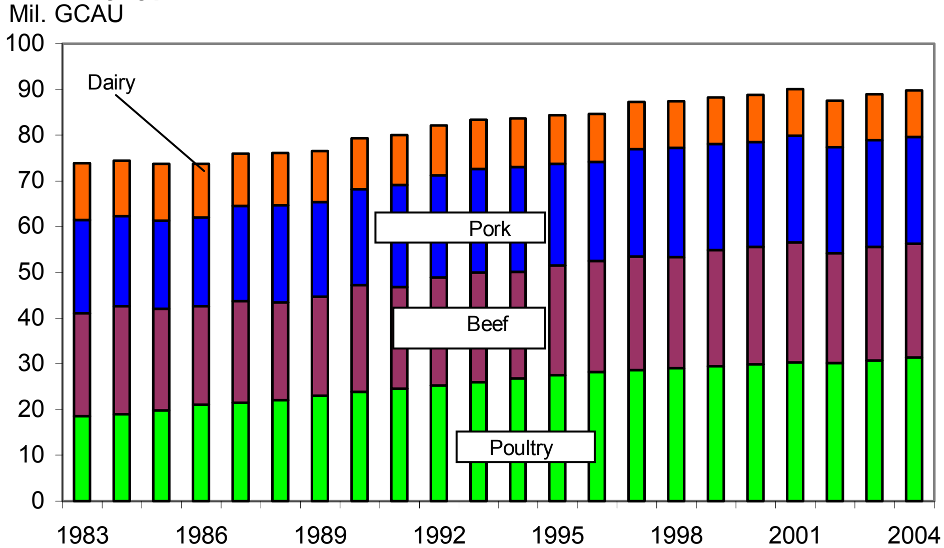
Figure 3

Record ethanol production drives domestic corn use



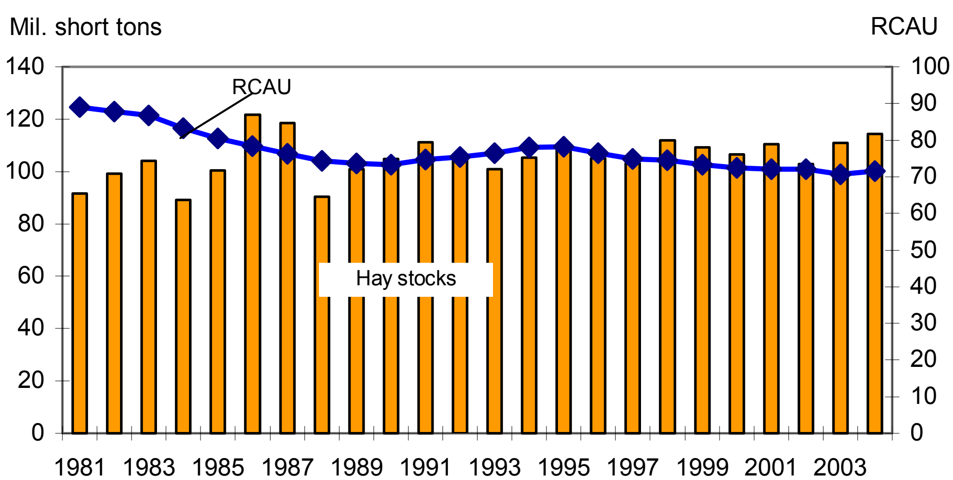
Source: Economic Research Service, USDA.

Figure 4
GCAU by type of livestock



Source: Economic Research Service, USDA.

Figure 5
December 1 hay stocks and RCAU



Source: National Agricultural Statistics Service and Economic Research Service, USDA.

Hay Prices Averaging Above Last Year

As reported last month, hay stocks on December 1, 2004 were 114 million tons, up 3 percent from December 1, 2003. In addition, the annual cattle inventory was released since the last *Feed Outlook Report*. Numbers of cows and heifers that have calved on January 1, 2005, were up 1 percent from the previous year and numbers of replacement heifers were up 4 percent. Recalculated roughage consuming animal units (RCAU) in 2004/05 are projected to be 71.5 million units, up .8 million units from a year earlier. Hay stocks per RCAU are projected to be 1.615 tons, up from 1.569 a year earlier.

Despite rising hay stocks as reported last month, all hay prices have averaged higher than they were a year ago. All hay prices for May 2004-January 2005 averaged $89.84 per ton, up from $86.16 in the same period a year earlier. Prices received for alfalfa hay in May 2004-January 2005 averaged $97.49 per ton, up from $91.74 a year earlier. During May 2004-January 2005, other hay prices averaged $70.66 per ton, up 38 cents from the same period last year. Reported January mid-month prices for other hay increased from December, but prices for alfalfa hay were down month to month.

Revisions in Barley Series Lower Use for Beer and Raise Feed

Recently available data from the Treasury Department were used to update barley used for beer this month, leading to a downward revision in the food and industrial use category and a corresponding upward revision in feed and residual. The largest FSI use of barley is for beer production, with much smaller amounts used for distilled alcohol and food use. Traditionally, USDA relied on beer and distilled alcohol data from the Alcohol and Tobacco Tax Bureau (TTB), United States Department of the Treasury, formerly Alcohol, Tobacco, and Firearms (ATF). However, TTB stopped publishing these data in July 1996, and in their absence, USDA assumed relatively constant use of barley for beer. TTB recently resumed publication of data on beer that indicated barley used for beer has been declining. The TTB is still working on the distilled spirits data but it is unclear when that will become available.

USDA's overestimate of beer use meant that barley feed and residual use was undercounted. In fact, feed and residual use in the fourth quarters has been negative beginning in 2001/02 and continuing through 2003/04. Using the revised estimates for barley FSI use eliminated the negative feed and residual use that had been estimated for the fourth quarters of 2001/02 thru 2003/04. Total domestic use of barley did not change, so reductions in FSI use increased the feed and residual use. FSI for barley includes exports of malt and malt extract because the barley used for those products would not be included in the TTB beer statistics. A small amount for food use has been included to account for barley used in soups, multi-grain bread, malt flavoring, and other uses.

Further complicating the calculations, normally the Economic Census (published by the U.S. Census Bureau) is used to verify barley use estimates. However, in the 2002 Economic Census, only limited data on the delivered cost of barley were published. This data also suggested much smaller barley and malt use than were previously estimated. Further revisions are possible once data on distilled spirits become available.

Text table 1--Revised food and industrial uses for barley, 1987/88 to 2003/04

Year/	Revised			Old			Change	
Qtr.	Food & industrial	FSI	Feed & residual	Food & industrial	FSI	Feed & residual	Food & industrial	Feed & residual
				----Million bushels----				
1987/88								
June-Aug	40.033	40.033	77.045	40.033	40.033	77.045	0.000	0.000
Sep-Nov	37.426	38.526	64.429	37.426	38.526	64.429	0.000	0.000
Dec-Feb	36.000	37.300	57.890	36.017	37.317	57.873	-0.017	0.017
Mar-May	41.913	55.213	56.571	41.908	55.208	56.576	0.005	-0.005
Mkt. yr.	155.372	171.072	255.935	155.384	171.084	255.923	-0.012	0.012
1988/89								
June-Aug	41.252	41.252	96.498	41.247	41.247	96.503	0.005	-0.005
Sep-Nov	36.077	37.177	30.607	36.072	37.172	30.612	0.005	-0.005
Dec-Feb	35.589	36.789	42.290	35.587	36.787	42.292	0.002	-0.002
Mar-May	42.971	55.671	5.622	42.971	55.671	5.622	0.000	0.000
Mkt. yr.	155.889	170.889	175.017	155.877	170.877	175.029	0.012	-0.012
1989/90								
June-Aug	43.973	43.973	115.664	43.973	43.973	115.664	0.000	0.000
Sep-Nov	37.066	37.966	14.144	37.066	37.966	14.144	0.000	0.000
Dec-Feb	36.549	37.649	40.510	36.549	37.649	40.510	0.000	0.000
Mar-May	43.035	54.535	19.462	43.035	54.535	19.462	0.000	0.000
Mkt. yr.	160.623	174.123	189.780	160.623	174.123	189.780	0.000	0.000
1990/91								
June-Aug	42.993	42.993	99.333	42.993	42.993	99.333	0.000	0.000
Sep-Nov	37.654	38.654	42.367	37.654	38.654	42.367	0.000	0.000
Dec-Feb	37.293	38.493	41.891	37.293	38.493	41.891	0.000	0.000
Mar-May	41.780	54.180	23.317	41.780	54.180	23.317	0.000	0.000
Mkt. yr.	159.720	174.320	206.908	159.720	174.320	206.908	0.000	0.000
1991/92								
June-Aug	44.221	44.221	109.476	44.221	44.221	109.476	0.000	0.000
Sep-Nov	37.152	38.052	40.276	37.152	38.052	40.276	0.000	0.000
Dec-Feb	35.419	36.419	57.899	35.432	36.432	57.886	-0.013	0.013
Mar-May	42.979	53.879	20.865	42.975	53.875	20.869	0.004	-0.004
Mkt. yr.	159.771	172.571	228.516	159.780	172.580	228.507	-0.009	0.009
1992/93								
June-Aug	42.844	42.844	110.635	42.840	42.840	110.639	0.004	-0.004
Sep-Nov	36.342	37.242	14.089	36.338	37.238	14.093	0.004	-0.004
Dec-Feb	36.047	37.047	45.104	36.046	37.046	45.105	0.001	-0.001
Mar-May	44.641	55.641	21.017	44.641	55.641	21.017	0.000	0.000
Mkt. yr.	159.874	172.774	190.845	159.865	172.765	190.854	0.009	-0.009
1993/94								
June-Aug	44.306	44.306	90.757	44.306	44.306	90.757	0.000	0.000
Sep-Nov	37.534	38.334	26.528	37.534	38.334	26.528	0.000	0.000
Dec-Feb	34.215	35.215	85.504	34.215	35.215	85.504	0.000	0.000
Mar-May	44.088	54.188	40.951	44.088	54.188	40.951	0.000	0.000
Mkt. yr.	160.143	172.043	243.740	160.143	172.043	243.740	0.000	0.000
1994/95								
June-Aug	45.223	45.223	120.385	45.248	45.248	120.360	-0.025	0.025
Sep-Nov	36.624	37.424	30.829	36.649	37.449	30.804	-0.025	0.025
Dec-Feb	36.731	37.631	51.242	36.756	37.656	51.217	-0.025	0.025
Mar-May	42.893	52.293	25.724	42.920	52.320	25.697	-0.027	0.027
Mkt. yr.	161.471	172.571	228.180	161.573	172.673	228.078	-0.102	0.102
1995/96								
June-Aug	39.910	39.910	114.780	43.740	43.740	110.950	-3.830	3.830
Sep-Nov	34.938	35.738	31.784	38.272	39.072	28.450	-3.334	3.334
Dec-Feb	32.961	33.861	19.531	35.857	36.757	16.635	-2.896	2.896
Mar-May	40.427	50.427	24.667	42.200	52.200	22.894	-1.773	1.773
Mkt. yr.	148.236	159.936	190.762	160.069	171.769	178.929	-11.833	11.833

continued--

Text table 1--Revised food and industrial uses for barley, 1987/88 to 2003/04 (cont.)

Year/	Revised			Old			Change	
Qtr.	Food & industrial	FSI	Feed & residual	Food & industrial	FSI	Feed & residual	Food & industrial	Feed & residual
				---Million bushels----				
1996/97								
June-Aug	42.788	42.788	136.875	43.800	43.800	135.863	-1.012	1.012
Sep-Nov	35.699	36.499	27.211	38.200	39.000	24.710	-2.501	2.501
Dec-Feb	36.254	37.154	37.153	35.800	36.700	37.607	0.454	-0.454
Mar-May	45.083	54.483	16.360	43.100	52.500	18.343	1.983	-1.983
Mkt. yr.	159.824	170.924	217.599	160.900	172.000	216.523	-1.076	1.076
1997/98								
June-Aug	43.984	43.984	86.523	43.800	43.800	86.707	0.184	-0.184
Sep-Nov	35.480	36.180	15.165	38.200	38.900	12.445	-2.720	2.720
Dec-Feb	35.267	36.067	29.541	35.800	36.600	29.008	-0.533	0.533
Mar-May	41.696	50.596	17.911	43.800	52.700	15.807	-2.104	2.104
Mkt. yr.	156.427	166.827	149.140	161.600	172.000	143.967	-5.173	5.173
1998/99								
June-Aug	41.801	41.801	102.115	43.800	43.800	100.116	-1.999	1.999
Sep-Nov	36.528	37.128	17.324	38.200	38.800	15.652	-1.672	1.672
Dec-Feb	35.014	35.714	33.219	35.800	36.500	32.433	-0.786	0.786
Mar-May	41.453	48.653	14.471	43.700	50.900	12.224	-2.247	2.247
Mkt. yr.	154.796	163.296	167.129	161.500	170.000	160.425	-6.704	6.704
1999/00								
June-Aug	40.388	40.388	76.242	44.000	44.000	72.630	-3.612	3.612
Sep-Nov	35.703	36.403	27.660	38.500	39.200	24.863	-2.797	2.797
Dec-Feb	35.267	35.967	23.111	35.900	36.600	22.478	-0.633	0.633
Mar-May	40.542	48.742	13.311	44.000	52.200	9.853	-3.458	3.458
Mkt. yr.	151.900	161.500	140.324	162.400	172.000	129.824	-10.500	10.500
2000/01								
June-Aug	40.448	40.448	93.426	44.000	44.000	89.874	-3.552	3.552
Sep-Nov	35.507	36.107	9.286	38.500	39.100	6.293	-2.993	2.993
Dec-Feb	34.619	35.219	23.445	36.100	36.700	21.964	-1.481	1.481
Mar-May	39.997	46.997	9.389	45.200	52.200	4.186	-5.203	5.203
Mkt. yr.	150.571	158.771	135.546	163.800	172.000	122.317	-13.229	13.229
2001/02								
June-Aug	40.518	40.518	65.822	44.000	44.000	62.340	-3.482	3.482
Sep-Nov	34.174	34.774	13.438	38.500	39.100	9.112	-4.326	4.326
Dec-Feb	34.792	35.492	18.124	36.000	36.700	16.916	-1.208	1.208
Mar-May	37.831	44.831	6.975	45.200	52.200	-0.394	-7.369	7.369
Mkt. yr.	147.315	155.615	104.359	163.700	172.000	87.974	-16.385	16.385
2002/03								
June-Aug	39.743	39.743	57.933	44.100	44.100	53.576	-4.357	4.357
Sep-Nov	34.083	34.683	15.594	38.600	39.200	11.077	-4.517	4.517
Dec-Feb	33.430	34.130	9.118	36.100	36.800	6.448	-2.670	2.670
Mar-May	38.401	45.801	0.892	45.500	52.900	-6.207	-7.099	7.099
Mkt. yr.	145.657	154.357	83.537	164.300	173.000	64.894	-18.643	18.643
2003/04								
June-Aug	39.693	39.693	66.123	45.000	45.000	60.816	-5.307	5.307
Sep-Nov	34.234	34.734	4.304	37.800	38.300	0.738	-3.566	3.566
Dec-Feb	35.704	36.304	7.646	37.500	38.100	5.850	-1.796	1.796
Mar-May	28.324	34.824	5.544	44.100	50.600	-10.232	-15.776	15.776
Mkt. yr.	137.955	145.555	83.617	164.400	172.000	57.172	-26.445	26.445

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

International Outlook

U.S. 2004/05 Corn Export Forecast Reduced on Sluggish Demand and Competition From Argentina

U.S. 2004/05 October-September (international trade year) corn exports are projected down 1.5 million tons this month to 48.0 million (down 50 million bushels to 1.9 billion for the September-August marketing year). This month's 2004/05 September-August forecast is virtually the same as estimated exports for the previous year, but the October-September trade year projection is down more than 1 percent from exports a year earlier. Soft import demand and increased competition from Argentina have offset a sharp drop in corn exports by China.

The early-season shipments and sales of U.S. corn have been sluggish. Using Census data for shipments through December 2004, adding export inspections for January, and adding outstanding export sales at the end of January, U.S. corn export commitments are about 24.5 million tons for the marketing year, down over 5 million compared with a year ago. The same calculation for international trade year commitments is down nearly 6 million tons compared with a year earlier. The current U.S. corn export forecast clearly anticipates that during the second half of 2004/05 sales and shipments will be significantly larger than the previous year.

Competition from Argentina has been more intense than earlier expected. This month the 2004/05 trade year forecast of Argentina's corn exports increased 1 million tons to 12.5 million, up 20 percent compared with the previous year. Shipments of old-crop corn during the first months of the 2004/05 trade year have exceeded expectations, and the estimate of the 2003/04 crop was raised 0.5 million tons this month. Timely rains during the critical tasselling growth stage in crucial growing areas has led to improved yield prospects for the new crop. The 2004/05 crop forecast was raised 0.5 million tons to 17.5 million. The early sales of new-crop corn have been robust.

The increase in forecast competition from Argentina was only slightly offset by a reduction of 0.2 million tons in expected corn exports by Ukraine. Quality problems have limited export sales more than previously expected.

No changes were made this month to 2004/05 corn production or exports forecasts for China. While some sources indicate higher corn production, the total grain production number announced by the National Bureau of Statistics is consistent with USDA's corn forecast of 126 million tons. There have also been reports of increases in export subsidies for corn, but the pace of shipments and sales has not increased enough to change the current 2004/05 export forecast of 4 million tons.

The increased competition from Argentina is compounded by soft import demand. Projected 2004/05 world corn trade was reduced 0.7 million tons this month to 74.9 million. Forecast imports were reduced for Canada, where a stocks report indicates less-than-expected use of corn; Indonesia, where forecast corn production increased this month; and in Russia, which has not been purchasing as much as expected from Ukraine.

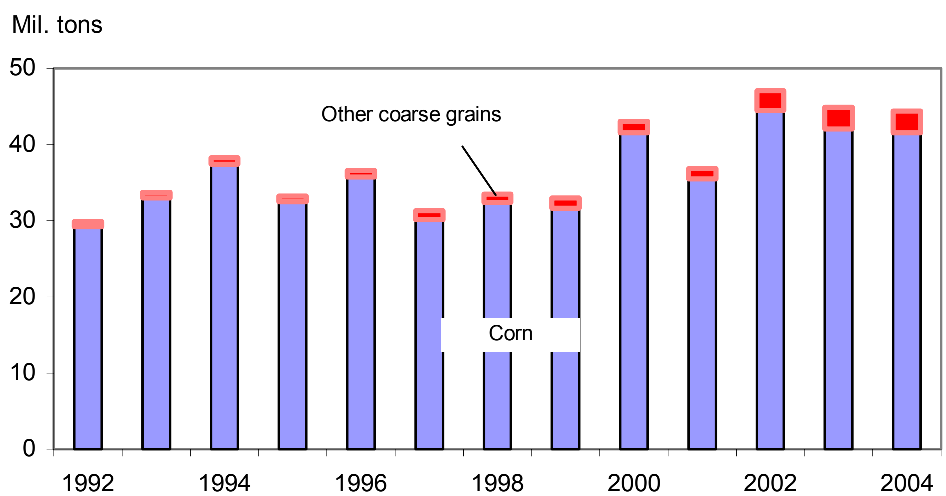
Projected Global Coarse Grain Production, and Stocks Up Slightly

World coarse grain production in 2004/05 is projected at 996.6 million tons, up 0.8 million this month. Record corn and sorghum yields are expected in Argentina, accounting for most of the increase in global production. Other changes were mostly small and offsetting. Dryness in southern Brazil reduced corn production prospects 0.5 million tons to 41.5 million. In Russia, harvest reports indicated lower oats, rye, and barley production, more than offsetting increases in corn and millet. Small increases were made in 2004/05 production of corn in France, Hungary, and Indonesia. Barley production in France and Spain was reported slightly lower.

World coarse grain use projected for 2004/05 (compiling local marketing years as reported in the *WASDE*) is down slightly this month, with reductions for Canada and others mostly offset by increases for Russia and Ukraine.

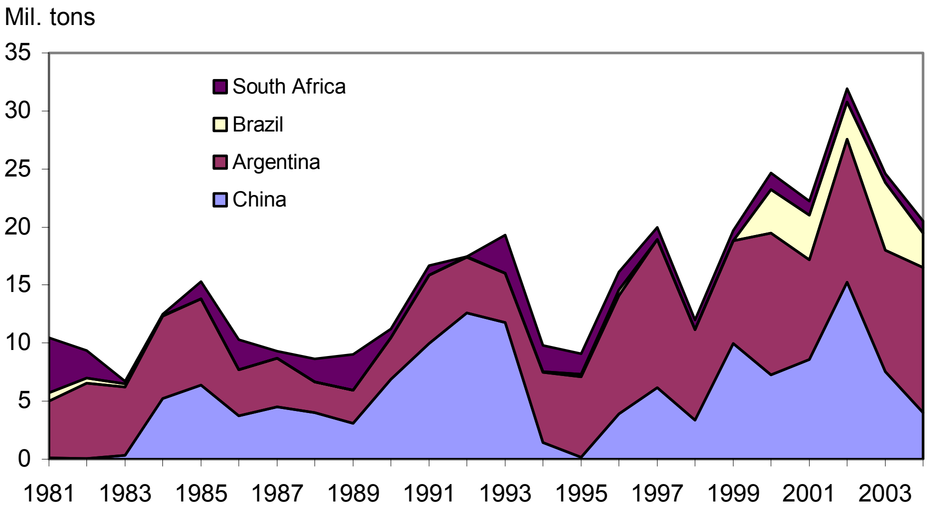
Global 2004/05 coarse grains ending stocks are up 1.5 million tons this month to 160 million, with most of the increase in the United States. Foreign stocks are nearly unchanged at 104 million tons. Australia's stocks are down 0.5 million tons because of increased barley exports, but this is offset by increased stocks in the European Union and other Europe.

Figure 6
Brazilian coarse grain production



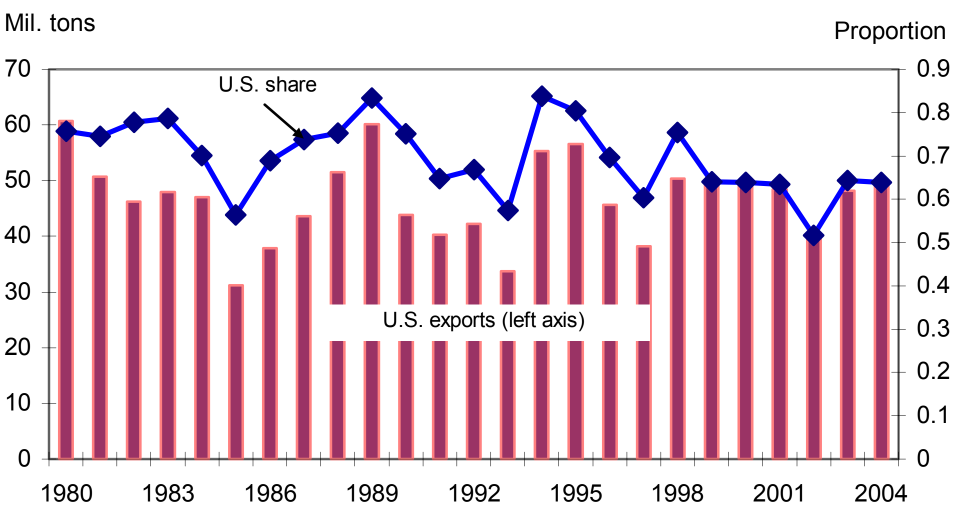
Source: Foreign Agricultural Service, USDA.

Figure 7
Corn exports of major competitors



Source: Economic Research Service, USDA.

Figure 8
U.S. corn exports and proportion of total trade



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

Black Sea Grain Exports: Will They Be Moderate or Large? This report examines the prospects for grain exports by the transition economies of Central and Eastern Europe (CEE) and the Newly Independent States (NIS) that export through the Black Sea, the largest being Russia and Ukraine. This report is available at: http://www.ers.usda.gov/publications/WRS04/OCT04/WRS040502/

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. This report is available at: http://www.ers.usda.gov/publications/FDS/jul04/fds04F01/

Related Websites

WASDE (http://www.usda.gov/oce/waob/wasde/latest.pdf
Grain Circular (http://www.fas.usda.gov/grain/circular/2005/02-05/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	10,089	2	11,178	589	2,166	470	3,225	7,954	2.16
Dec-Feb	7,954	---	4	7,957	609	1,578	499	2,686	5,271	2.42
Mar-May	5,271	---	5	5,277	676	1,161	469	2,306	2,970	2.82
June-Aug	2,970	---	3	2,973	664	892	459	2,015	958	2.55
Mkt. yr.	1,087	10,089	14	11,190	2,537	5,798	1,897	10,232	958	2.42
2004/05										
Sep-Nov	958	11,807	2	12,767	639	2,182	497	3,318	9,449	2.13
Mkt. yr.	958	11,807	15	12,780	2,795	6,075	1,900	10,770	2,010	1.85-2.05
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	9	149	61	218	236	2.27
Dec-Feb	236	---	0	236	10	10	57	77	159	2.43
Mar-May	159	---	0	159	11	21	47	78	81	2.75
June-Aug	81	---	0	81	10	1	36	47	34	2.39
Mkt. yr.	43	411	0	454	40	180	201	421	34	2.39
2004/05										
Sep-Nov	34	455	0	488	17	146	44	207	282	1.80
Mkt. yr.	34	455	0	488	50	205	175	430	58	1.60-1.80

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
2002/03										
June-Aug	92	227	9	328	40	58	7	104	224	2.48
Sep-Nov	224	---	3	227	35	16	7	57	170	2.68
Dec-Feb	170	---	5	175	34	9	8	51	123	2.88
Mar-May	123	---	2	125	46	1	9	56	69	2.85
Mkt. yr.	92	227	18	337	154	84	30	268	69	2.72
2003/04										
June-Aug	69	278	3	351	40	66	3	109	242	2.89
Sep-Nov	242	---	4	246	35	4	9	48	198	2.83
Dec-Feb	198	---	5	203	36	8	6	50	153	2.81
Mar-May	153	---	8	161	35	6	0	41	120	2.77
Mkt. yr.	69	278	21	368	146	84	19	248	120	2.83
2004/05										
June-Aug	120	279	5	405	40	73	1	114	290	2.71
Sep-Nov	290	---	4	294	35	7	6	48	246	2.41
Mkt. yr.	120	279	20	420	150	130	15	295	125	2.45-2.55
Oats:										
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	144	21	215	16	68	0.5	84	132	1.44
Sep-Nov	132	---	28	160	17	23	0.9	41	119	1.39
Dec-Feb	119	---	21	140	16	29	0.7	45	95	1.54
Mar-May	95	---	20	115	25	25	0.3	50	65	1.64
Mkt. yr.	50	144	90	285	73	144	2.5	220	65	1.48
2004/05										
June-Aug	65	116	16	197	16	65	0.5	81	116	1.37
Sep-Nov	116	---	26	142	17	19	0.8	37	105	1.45
Mkt. yr.	65	116	85	266	74	135	3.0	212	54	1.35-1.45

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	0.3	0.6	54.8	-2.0	52.7		
Dec-Feb	39.5	0.5	0.2	0.5	40.7	0.4	41.1		
Mar-May	29.0	0.8	0.0	0.4	30.3	-0.2	30.1		
June-Aug	22.3	-0.4	1.4	1.0	24.4	8.6	33.0		
Mkt. yr.	141.3	4.3	2.0	2.5	150.1	6.7	156.8	88.3	1.78
2003/04									
Sep-Nov	55.0	3.8	0.1	0.4	59.3	-1.7	57.6		
Dec-Feb	40.1	0.2	0.2	0.5	41.0	0.1	41.1		
Mar-May	29.5	0.5	0.1	0.4	30.6	-1.4	29.2		
June-Aug	22.7	0.0	1.6	1.0	25.3	7.3	32.5		
Mkt. yr.	147.3	4.6	2.0	2.3	156.1	4.3	160.4	89.6	1.79
2004/05									
Sep-Nov	55.4	3.7	0.1	0.3	59.5	-1.7	57.9		
Mkt. yr.	154.3	5.2	2.5	2.2	164.2	5.0	169.2	90.5	1.87

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
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
2003/04 3/	2.60	3.03	NQ	NQ	1.83	2.85	NQ
Monthly:							
2003:							
Sept.	2.25	2.63	NQ	NQ	1.80	2.70	NQ
Oct.	2.11	2.65	NQ	NQ	1.80	2.60	NQ
Nov.	2.26	2.75	NQ	NQ	1.80	2.63	NQ
Dec..	2.38	2.84	NQ	NQ	1.80	2.65	NQ
2004:							
Sept.	1.98	2.48	4.07	4.43	1.70	2.31	NQ
Oct.	1.77	2.48	3.84	4.24	2.29	1.61	NQ
Nov.	1.79	2.38	3.83	4.18	1.63	2.41	NQ
Dec. 3/	1.87	2.43	NQ	4.14	NQ	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.								
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
2003/04 3/	260.06	182.87	83.24	326.83	216.39	115.90	75.78	100.00
Monthly:								
2003:								
Sept.	217.95	153.20	65.10	246.90	207.00	NQ	68.70	90.10
Oct.	225.20	163.50	76.90	239.48	222.00	91.00	71.30	89.10
Nov.	242.00	185.00	100.00	321.88	263.70	105.00	86.50	86.80
Dec.	231.54	NQ	109.50	337.50	257.24	128.00	90.26	87.00
2004:								
Sept.	174.25	142.75	59.88	256.88	168.02	85.00	51.13	95.50
Oct.	154.25	126.75	54.75	241.25	126.31	88.00	44.88	97.80
Nov.	NQ	119.00	48.90	238.00	142.12	78.00	41.60	94.00
Dec. 3/	NQ	117.00	53.25	253.63	162.99	71.00	46.75	92.40

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	126.3	57.0	64.4	262.5	32.3	46.6	589.0
Dec-Feb	120.4	51.5	65.9	290.3	33.8	46.6	608.6
Mar-May	140.1	58.8	70.0	304.6	35.4	47.1	656.0
June-Aug	143.3	60.8	71.3	310.1	30.5	47.1	663.1
Mkt. year	530.1	228.1	271.5	1,167.5	132.0	187.4	2,516.7
2004/05							
Sep-Nov	123.8	56.8	70.8	308.1	32.5	47.0	639.1
Mkt. year	529.0	219.0	280.0	1,425.0	133.0	189.0	2,775.0

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/	17.11	13.08	21.81	12.48	13.03
Monthly					
2003/04:					
Oct.	16.52	12.42	20.88	11.75	12.64
Nov.	16.64	12.54	21.98	11.81	12.16
Dec.	16.81	12.71	21.98	12.75	12.34
Jan.	17.29	13.19	21.98	12.74	12.31
2004/05:					
Oct.	15.99	11.84	21.98	12.75	12.43
Nov.	15.98	12.33	22.82	12.75	11.77
Dec.	15.75	11.65	23.10	13.05	11.83
Jan. 2/	15.63	11.52	23.10	13.50	11.89

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-Dec.	Mkt. yr.	June-Dec.	June-Dec.
Oats:			Thousand tons		
Canada	843	582	1,206	784	586
Finland	360	221	185	101	31
Sweden	381	220	167	85	117
Total 1/	1,640	1,043	1,559	971	735
Barley, malting:					
Canada	317	279	321	141	158
Total 1/	360	279	400	193	179
Barley, other: 2/					
Canada	42	18.6	50	12	29
Total 1/	42	18.6	50	12	29

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	------2002/03-------- Mkt. yr.	Sept.-Dec.	------2003/04-------- Mkt. yr.	Sept.-Dec.	2004/2005 Sept.-Dec.
			1,000 metric tons		
Corn:					
Japan	14,383	4,711	14,611	4,643	5,342
Mexico	5,288	2,512	5,686	2,856	2,796
Taiwan	4,053	1,384	4,733	1,742	1,559
Egypt	2,686	632	3,220	1,296	1,236
S. Korea	273	81	3,666	182	854
Canada	3,946	1,447	2,014	1,006	1,009
Colombia	1,599	543	1,766	550	617
Venezuela	609	254	653	235	135
Algeria	898	464	1,270	542	441
Saudi Arabia	131	96	476	157	87
Dominican Republic	937	321	809	300	268
Israel	268	31	1,176	499	201
Syria	517	181	780	293	376
Turkey	981	-	654	0	0
Morocco	78	-	713	253	282
Costa Rica	529	182	565	157	169
Tunisia	123	20	618	174	97
Peru	42	27	148	20	117
Iran	--	-	64	-	-
Sub-Saharan Africa	347	210	233	48	66
Former USSR	--	-	60	12	8
Chile	--	0	20	19	0
EU-25	68	36	154	94	34
East Europe	--	-	--	-	-
China	--	0	1	1	0
Others	2,578	953	4,089	1,741	1,539
Total	40,334	14,085	48,180	16,819	17,233
Sorghum:					
Mexico	3,347	1,175	3,014	854	1,055
Japan	992	454	935	574	381
Israel	39	-	131	105	-
EU-25	183	0	852	430	16
Others	120	52	161	42	45
Total	4,681	1,681	5,093	2,005	1,497
	------2002/2003------ Mkt. yr.	June-Dec.	------2003/2004------ Mkt. yr.	June-Dec.	2004/2005 June-Dec.
Barley:					
Saudi Arabia	--	-	113	76	-
Japan	358	183	216	208	183
Mexico	25	15	15	11	15
Taiwan	0	0	0	0	0
Canada	203	109	37	28	109
Other	73	33	141	99	33
Total	659	341	409	346	341

1/ Totals may not add due to rounding.

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