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# Feed Outlook

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## Record Corn Crop Expected

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The next release is October 16, 2007.

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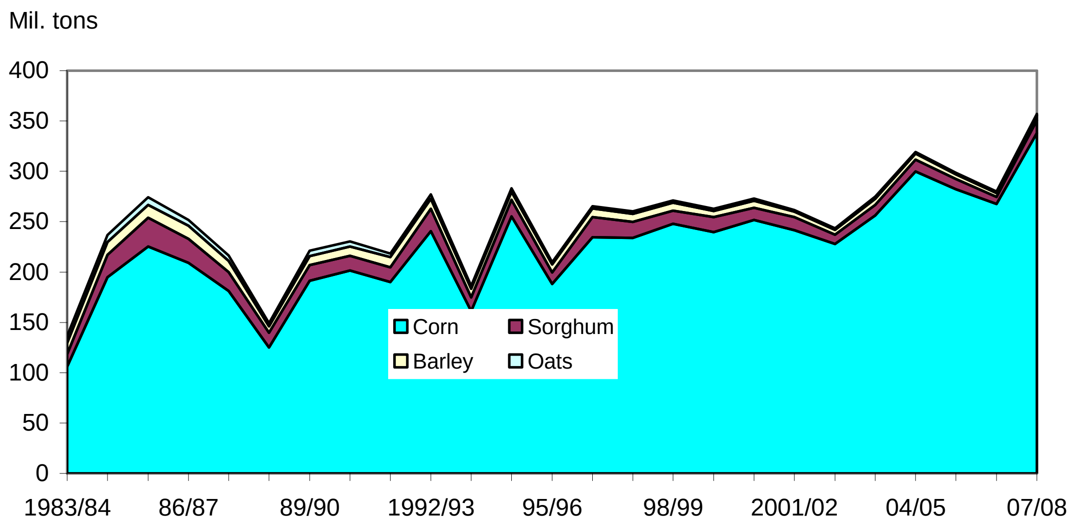
Approved by the World Agricultural Outlook Board.

Corn production is forecast at a record 13.3 billion bushels, up 254 million from last month, because of higher yields. The forecast yield of 155.8 bushels per acre would be the second highest ever. Sorghum yields are also forecast at a record 73.9 bushels per acre. Sorghum production is forecast at 495 million bushels. Ethanol production forecast was lowered for both 2006/07 and in 2007/08, based on current capacity and reported production. Exports were raised this month to offset lower grains production in other parts of the world. Prices for feed grains remain strong, supported by record wheat and strong soybean prices.

Figure 1
**U.S. feed grain production**




Source: USDA, *Grain: World Markets and Trade (Grain Circular).*

# Domestic Outlook

## *2007 Feed Grain Supplies Record Large*

U.S. feed grain production in 2007 is forecast at a record 357 million metric tons, up 7 million from a month ago, and up 77 million from 2006. Corn and sorghum production are both up from last month and last year.  Forecast beginning stocks are up fractionally from last month but down 23 million tons from the previous year. Feed grain supply in 2007/08 is forecast at a record 392 million tons, up 7 million tons from last month and up 55 million from 2006/07.

Total feed grain use in 2007/08 is up 3 million tons this month at a record 345 million.  Total use is up 40 million from 2006/07. Higher feed and residual use and exports account for the month-to-month increase in total use as corn ethanol use and sorghum (food, seed, and industrial) use are both lowered.

When converted to a September-August marketing year, feed and residual use for the four feed grains plus wheat in 2007/08 is projected to total 168 million tons, up 3 million from last month and up 13 million from 2006/07. Corn is estimated to account for 89 percent of the feed and residual use in 2007/08, down from 95 percent in 2006/07.

The projected index of grain-consuming animal units (GCAU) for 2007/08 was up 0.3 million units this month and up 0.1 million from 2006/07.  The change in GCAUs year-to-year was caused by increases in hogs, dairy cows, and poultry. GCAUs for cattle-on-feed were lower than in 2006/07, caused by a shifting of cattle marketing from 2007 into 2008.  Because of the drought in 2006, cattle were placed earlier in 2006/07, resulting in GCAUs for cattle-on-feed being higher than in 2005/06.  The grain used per GCAU in 2007/08 is expected be 1.83 tons, up from 1.80 tons last month and 1.68 tons in 2006/07.

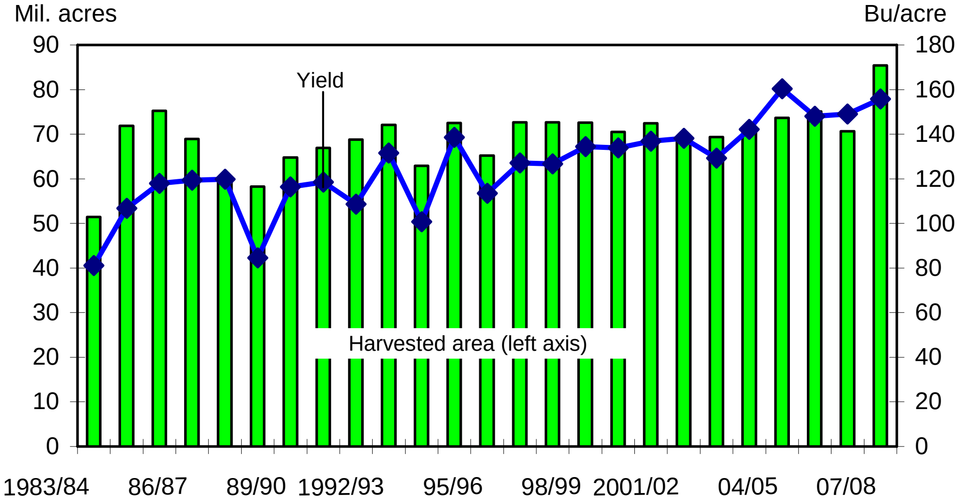
## *Record Corn Crop Forecast*

Corn production in 2007 is forecast at 13.308 billion bushels, up 254 million bushels from last month and 2.773 billion bushels above 2006.  The crop survey reflects September 1 conditions.  The average corn yield is forecast at 155.8 bushels per acre, compared with last month's estimate of 152.8 bushels and the actual 2006 yield of 149.1 bushels.  September data indicate the highest plant population on record for the 10 objective yield States (Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin).  Record stalk and ear counts were recorded in Illinois, Indiana, Iowa, Nebraska, Ohio, South Dakota, and Wisconsin.  Minnesota had a record number of plants per acre, while indicated ears per acre were the highest since 2004.

Projected corn ending stocks for 2006/07 are increased 5 million bushels from last month and are down 825 million from 2005/06.  Projected exports were raised 20 million bushels this month because of a strong export pace in recent weeks.  Corn used for ethanol production was lowered 25 million bushels, based on indications of declining plant capacity utilization and a slower-than-expected pace of startups.

Figure 2

**Corn harvested area and yield**




Sources: USDA, National Agricultural Statistics Service, *Quick Stats* and World Agricultural Outlook Board, *WASDE.*

Forecast 2007/08 corn use was increased 100 million bushels from last month to a record 12.8 billion bushels, up 1,420 million from expected 2006/07 use. Exports were increased 100 million bushels to 2.25 billion because of reduced supplies of feed grains and feed-quality wheat outside the United States. If realized, 2007/08 corn exports would be the highest since 1989/90. Feed and residual use of corn was raised 100 million bushels this month to 5.85 billion bushels because of higher yields, which are associated with increased residual use, and reduced availability of distillers' grains. Distillers' grain are expected to be lower than last month because of declining plant capacity utilization and sluggish startups, (based on Renewable Fuel Association plant numbers and ethanol production reported by The Energy Information Administration). Corn used for ethanol in 2007/08 was reduced 100 million bushels to 3.3 billion bushels, up from expected use of 2.125 billion bushels in 2006/07. Ending stocks of corn in 2007/08 are expected to total 1.675 billion bushels, up 159 million from last month, and up 533 million from 2006/07.

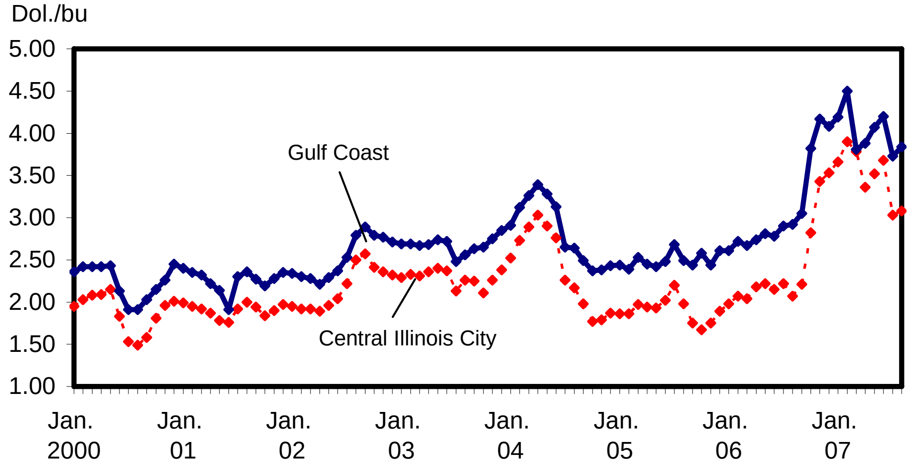
Supported by record wheat and strong soybean prices, the forecast corn price for 2007/08 is $2.80-$3.40 per bushel, unchanged from last month. In 2006/07, the season-average price received by farmers is expected to be $3.03 per bushel.

## *Sorghum Crop To Increase From Last Year*

Sorghum production is forecast at 495 million bushels in 2007, up 20 million bushels from last month and 217 million from a year ago. Based on September 1 conditions, yields are forecast at 73.9 bushels per acre, an increase of 3 bushels per acre from August and up 17.7 bushels from last year. Area harvested as grain is unchanged from August at 6.7 million acres, but is 36 percent higher than last year. Kansas, the largest sorghum producing-state, expects yields to increase by 5 bushels per acre over last month, and 21 bushels per acre over last year. Texas, the second largest sorghum producing state, expects a record yield of 69 bushels per acre, up 2 bushels from last month and 21 bushels from last year. Nebraska and Arkansas also are expecting record high yields.

Figure 3

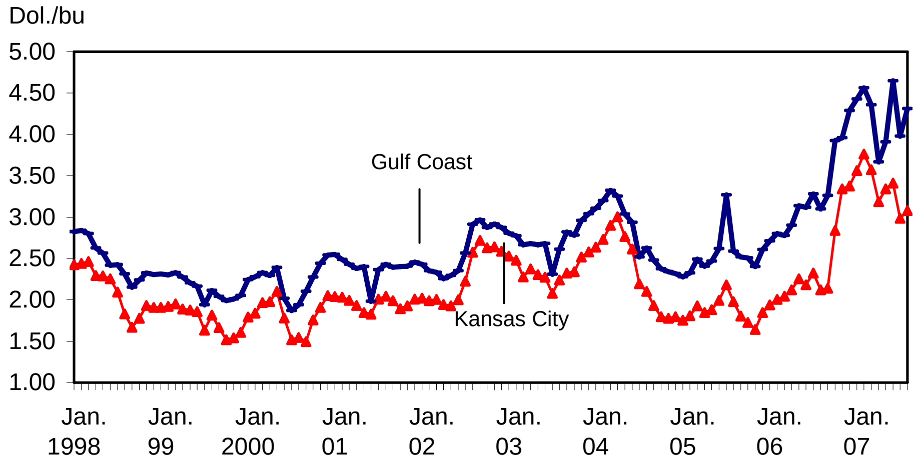
**Cash corn prices, number 2 yellow at selected locations, monthly. January 2000-August 2007**




Sources: USDA, Economic Research Service, *Feed Grains Database* and USDA, Agricultural Marketing Service at http://marketnews.usda.gov/portal/lg

Figure 4

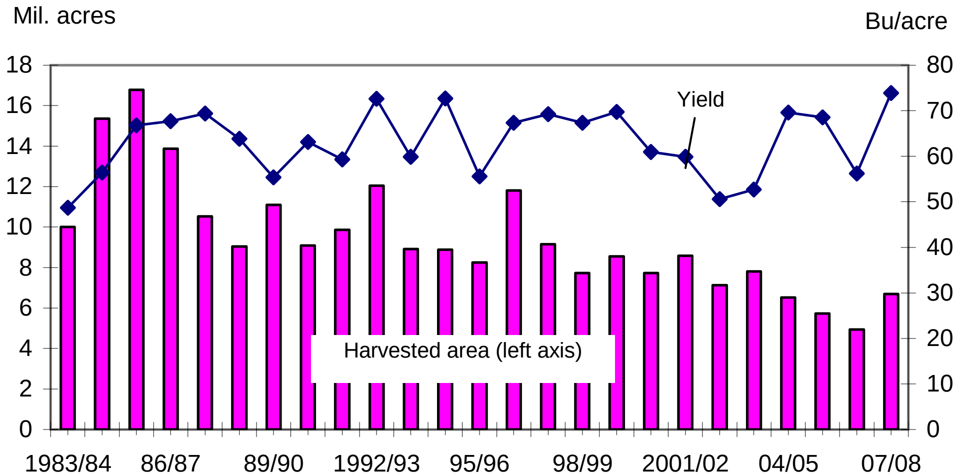
**Grain sorghum prices, number 2 yellow at selected locations, monthy, January 1998-August 2007**




Sources: USDA, Economic Research Service, *Feed Grains Database* and USDA, Agricultural Marketing Service at http://marketnews.usda.gov/portal/lg

Total use of sorghum for 2007/08 is projected at 465 million bushels, up 20 million from last month's projection, and up 160 million over 2006/07. Feed and residual use of sorghum is up 10 million bushels this month in response to higher production. Estimates of food, seed, and industrial use of sorghum were lowered this month by 10 million bushels to reflect the large domestic corn crop. Exports are projected 20 million bushels higher this month on tight foreign course grain supplies and strong foreign demand for sorghum. Ending stocks are unchanged from August, but up 30 million bushels from 2006/07.

Figure 5
**Sorghum harvested area and yield**




Sources: USDA, National Agricultural Statistics Service, *Quick Stats* and USDA, World Agricultural Outlook Board*, WASDE.*

In the 2006/07 marketing year, prices received by farmers for sorghum are expected to average $3.30 per bushel, 109 percent of the corn price. The projected season-average price in 2007/08 is unchanged from last month at $2.60-$3.20 per bushel, 93-94 percent of the projected corn price.

### *Barley and Oats Supply Unchanged*

Barley and oats production were not revised in the September Crop Production report. Any production revisions will be reported in the Small Grains 2007 Summary to be released September 28, 2007. Because of the tight supplies of feed grains in the EU-27, projected barley exports in 2007/08 were raised 5 million bushels this month to 25 million and stocks were lowered. Forecast oats imports were raised 5 million bushels, because of the large 2007 crop in Canada. Projected ending stocks were raised a corresponding amount, bringing stocks more in line with prior years.

Prices for 2006/07 were reported by NASS, and unchanged this month. Prices received by farmers for barley and oats in 2007/08 were raised to reflect strong prices to date. The barley price range was raised 20 cents on each end and the oats price range was raised 25 cents on each end.

# International Outlook

***Lower Foreign Coarse Grains Production Partly Offsets the U.S. Increase***

World coarse grains production for 2007/08 is projected to reach 1.062 million tons, up 2 million tons this month. This modest increase masks a 7-million-ton increase for U.S. production and a 5-million-ton decline in foreign output.

The largest 2007/08 foreign production decline was for the EU-27, dropping 3.2 million tons to 135.0 million. Forecast corn production was reduced 1.5 million tons, with reductions for Romania (-0.5 million), Bulgaria (-0.42 million), Hungary (-0.4 million), Spain (-0.3 million), and Italy (-0.2 million) more than offsetting small upward revisions to other EU countries. Hot, dry growing conditions during the summer in Southeast Europe damaged the corn crop, and that damage is becoming clearer as the plants mature. The EU-27 barley production forecast dropped 1.2 million tons this month to 57.3 million. The harvest is virtually complete, and country harvest reports are indicating reductions mostly caused by rain during the harvest. Declines for France, Germany, and several others countries more than offset an increase in Spain. EU-27 production forecasts for mixed grains and oats were also reduced this month.

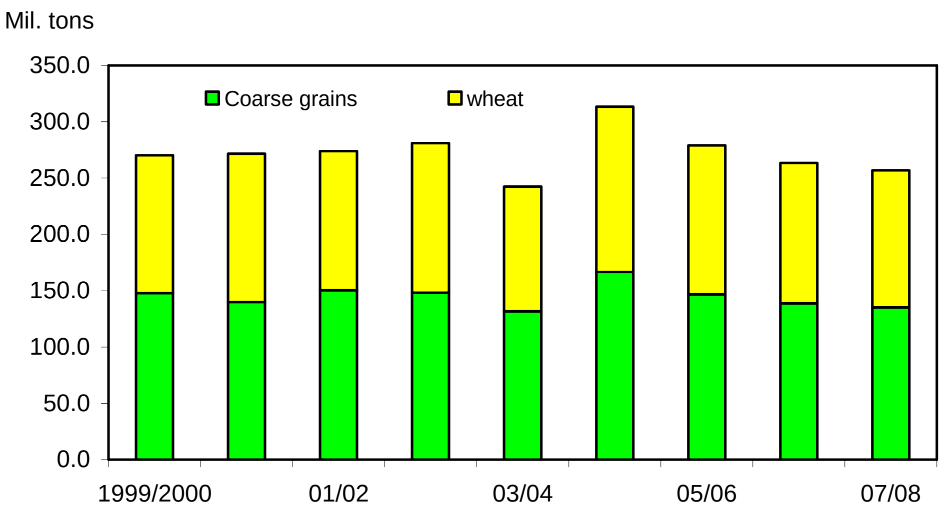
Prospects for 2007/08 corn production in Argentina were reduced 1.5 million tons to 22.5 million because the price of corn has declined compared with oilseeds, moderating the expected increase in corn planted area.. Corn harvested area is now forecast to increase 7 percent over (2009/07) instead of 14 percent.

China’s 2007/08 corn production prospects were trimmed 1 million tons to 147 million due to hot, dry conditions in parts of the Northeast corn belt.

Australia’s 2007/08 barley crop projection was cut 1 million tons to 8 million as a dry, warm winter and early spring have reduced yield prospects. Forecast barley

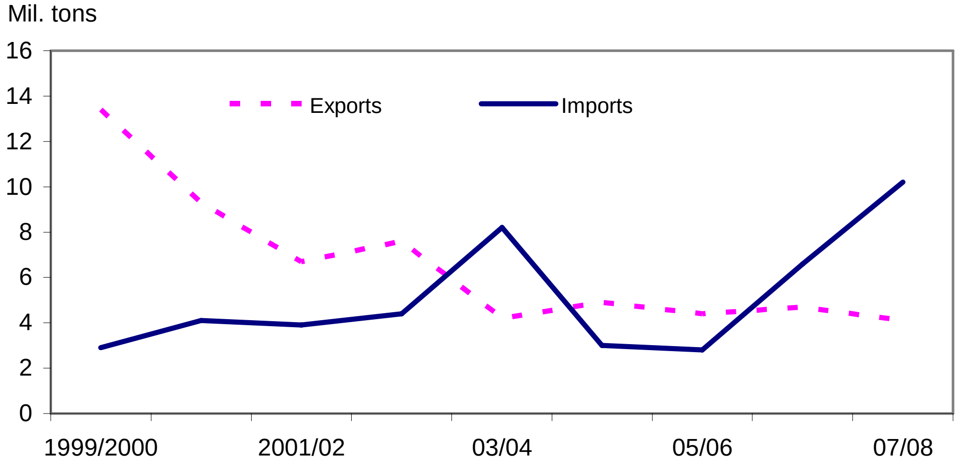
Figure 6

**EU 27's wheat and coarse grain production low for the last 2 years**




Source: USDA, Foreign Agricultural Service, *Grain: World Markets and Trade (Grain Circular).*

Figure 7
**EU-27's coarse grain exports and imports**




Sources :*USDA, Grain: World Markets and Trade (Grain Circular).*

production for Turkey was dropped 0.8 million tons to 6.5 million as harvest reports indicated low yields caused by dryness.

These and smaller reductions in projected 2007/08 coarse grains production more than offset increases for Brazil and the former Soviet Union (FSU). Brazil's projected corn production was increased 1 million tons to 51 million because corn prices in Brazil have been boosted by strong exports to the EU-27, which prefers non-GMO corn. Coarse grains production in the FSU was boosted 0.8 million tons to 53.3 million by a 0.5-million-ton increase for Belarus (barley, rye, and oats) and an increase for oats in Russia.

### *Increased Foreign Use Projected for 2007/08*

With U.S. domestic use changes mostly offsetting, increased foreign feed use boosted world coarse grains use 1.4 million tons to 1.06 million tons. With reduced wheat production projected this month, the EU-27 is expected to replace wheat with coarse grains in animal rations, boosting feed use of coarse grains 1.1 million tons to 109.7 million. The EU-27 projected feed use increased 0.8 million tons for sorghum and 0.7 million tons for corn, with increased imports projected for these crops. However, lower production is reducing prospects for barley feeding in the EU-27.

Projected 2007/08 feed use in the FSU increased 0.7 million tons to 35.3 million tons due to increased production. Coarse grains feed use for Israel was increased 0.4 million tons to 1.9 million as prices are expected to encourage increased imports and the feeding of corn instead of feed-quality wheat. These and smaller changes are partly offset by a reduction of 0.4 million tons in Argentina's expected feed use of corn as production prospects are trimmed.

## *Projected Foreign Stocks Reduction Partly Offsets U.S. Increase*

World 2007/08 coarse grains ending stocks are projected up 1.4 million tons to 132.2 million. A decline of 2.6 million tons in forecast foreign stocks partly offsets the U.S. increase. With reduced production and increased use, EU-27 coarse grains ending stocks are projected down 1.5 million tons this month to 10.3 million. Reduced corn production is contributing to a reduction in expected 2007/08 ending stocks for China (down 1.3 million tons) and Argentina (down 1.1 million). Australia's expected barley ending stocks are down 0.5 million tons due to reduced production. These declines in ending stocks were partly offset by increases in expected coarse grains ending stocks for Japan, Mexico, Iran, Brazil, and South Africa.

## *Record World Corn Trade in 2007/08 Boosts U.S. Export Prospects*

World corn trade in 2007/08 is projected to reach a record 90.4 million tons, up 3.7 million this month. Despite prices that are high by historical standards, demand for corn imports remains strong. EU-27 corn imports are forecast up 2.0 million tons this month to 8.0 million. Tight grain supplies in the EU-27 and high internal prices make imported corn attractive, and import licenses are large. Israel's expected corn imports are up 0.3 million tons to 1.5 million, with corn expected to replace feed-quality wheat. Turkey's corn imports are forecast to rise to 206.000 tons as reduced barley production will make it attractive to import corn in 2007/08. With reduced corn production, Canada's expected corn imports are up slightly. Also, the forecast for "unaccounted exports" (to countries not in the data base), were increased this month.

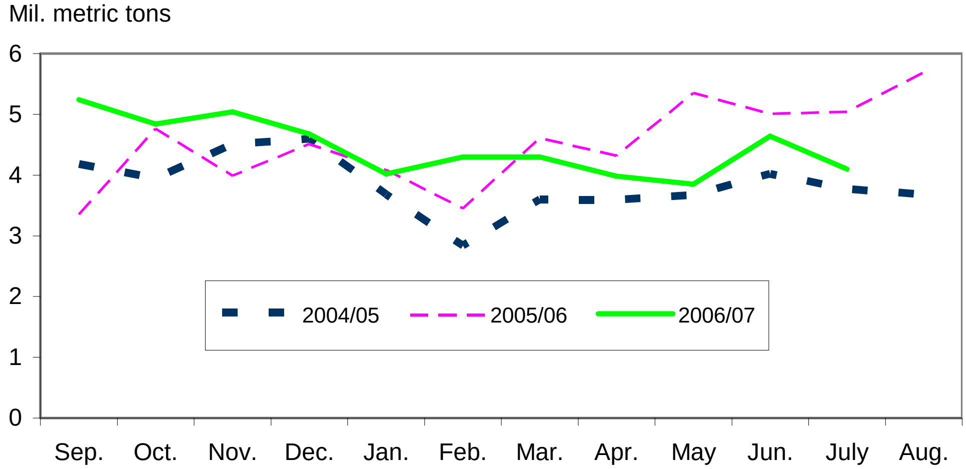
Brazil's corn exports for the 2007/08 (October-September) trade year are projected up 1.0 million tons to 8.0 million. Recent sales and shipments to the EU-27 and Iran are boosting Brazil's corn exports to record levels. Local marketing year 2006/07 (March 2007- February 2008) exports are forecast to reach a record 9.5 million tons. Brazil's 2006/07 corn imports are also up this month, boosted by increased exports from Paraguay. Paraguay's 2006/07 and 2007/08 corn exports are both raised.

U.S. corn exports in 2007/08 are projected up 2.5 million tons to 57.0 million tons, the highest since 1994/95. Local marketing year (September-August) corn exports are forecast to reach 2.25 billion bushels, up 100 million bushels this month. According to *U.S. Export Sales*, corn sales for 2007/08 are up dramatically. As of September 6, 2007, outstanding corn sales had reached 15.8 million tons, up 37 percent from the previous year.

U.S. 2007/08 sorghum exports are raised 0.6 million tons this month to 5.6 million (up 20 million bushels to 220 million). U.S. sales to the EU-27 have been strong, boosting their sorghum forecast imports of 0.5 million tons to 1.5 million. As of September 6, 2007, outstanding sales of U.S. sorghum had reached 3.2 million tons, up 438 percent from the previous year.

Figure 8

**Monthly U.S. corn exports**




Source: Bureau of the Census at http://www.usatradeonline.gov/

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## *Data*

Feed Grains Database (http://www.ers.usda.gov/data/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.

## *Related Websites*

WASDE (http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1194)
Grain Circular (http://www.fas.usda.gov/grain/circular/2007/09-07/graintoc.htm)
World Agricultural Production (http://www.fas.usda.gov/wap_arc.asp)
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 2/ | Feed & resid. | Ex- ports | Total disp. | End. stocks | Farm price |
|---|---|---|---|---|---|---|---|---|---|---|
| **Corn** | | | | | ----Million bushels---- | | | | | $/bu |
| 2004/05 | | | | | | | | | | |
| Sep-Nov | 958 | 11,807 | 2 | 12,767 | 643 | 2,173 | 499 | 3,314 | 9,452 | 2.12 |
| Dec-Feb | 9,452 | --- | 2 | 9,454 | 637 | 1,622 | 439 | 2,698 | 6,756 | 2.05 |
| Mar-May | 6,756 | --- | 4 | 6,760 | 700 | 1,311 | 428 | 2,440 | 4,321 | 2.00 |
| June-Aug | 4,321 | --- | 3 | 4,324 | 707 | 1,052 | 452 | 2,210 | 2,114 | 2.03 |
| Mkt. yr. | 958 | 11,807 | 11 | 12,776 | 2,687 | 6,157 | 1,818 | 10,662 | 2,114 | 2.06 |
| 2005/06 | | | | | | | | | | |
| Sep-Nov | 2,114 | 11,114 | 2 | 13,230 | 697 | 2,241 | 477 | 3,415 | 9,815 | 1.83 |
| Dec-Feb | 9,815 | --- | 1 | 9,816 | 708 | 1,647 | 474 | 2,829 | 6,987 | 1.99 |
| Mar-May | 6,987 | --- | 4 | 6,991 | 774 | 1,293 | 562 | 2,630 | 4,362 | 2.11 |
| June-Aug | 4,362 | --- | 1 | 4,363 | 802 | 974 | 620 | 2,396 | 1,967 | 2.12 |
| Mkt. yr. | 2,114 | 11,114 | 9 | 13,237 | 2,981 | 6,155 | 2,134 | 11,270 | 1,967 | 2.00 |
| 2006/07 | | | | | | | | | | |
| Sep-Nov | 1,967 | 10,535 | 1 | 12,503 | 792 | 2,183 | 596 | 3,570 | 8,933 | 2.58 |
| Dec-Feb | 8,933 | --- | 2 | 8,934 | 818 | 1,536 | 513 | 2,866 | 6,068 | 3.14 |
| Mar-May | 6,068 | --- | 5 | 6,074 | 918 | 1,144 | 478 | 2,540 | 3,534 | 3.44 |
| Mkt. yr. | 1,967 | 10,535 | 10 | 12,512 | 3,500 | 5,750 | 2,120 | 11,370 | 1,142 | 3.03 |
| 2007/08 | | | | | | | | | | |
| Mkt. yr. | 1,142 | 13,308 | 15 | 14,465 | 4,690 | 5,850 | 2,250 | 12,790 | 1,675.03 | 2.80-3.40 |
| **Sorghum** | | | | | | | | | | |
| 2004/05 | | | | | | | | | | |
| Sep-Nov | 33.55 | 453.65 | 0.00 | 487.20 | 13.58 | 147.48 | 43.95 | 205.00 | 282.21 | 1.78 |
| Dec-Feb | 282.21 | --- | 0.00 | 282.21 | 13.44 | 9.96 | 55.28 | 78.68 | 203.52 | 1.66 |
| Mar-May | 203.52 | --- | 0.02 | 203.54 | 14.22 | 24.93 | 51.22 | 90.37 | 113.17 | 1.69 |
| June-Aug | 113.17 | --- | 0.00 | 113.17 | 13.66 | 8.97 | 33.60 | 56.23 | 56.94 | 2.13 |
| Mkt. yr. | 33.55 | 453.65 | 0.03 | 487.23 | 54.90 | 191.34 | 184.04 | 430.29 | 56.94 | 1.79 |
| 2005/06 | | | | | | | | | | |
| Sep-Nov | 56.94 | 392.93 | 0.00 | 449.87 | 12.28 | 107.22 | 39.99 | 159.50 | 290.38 | 1.67 |
| Dec-Feb | 290.38 | --- | 0.00 | 290.38 | 15.51 | 24.38 | 57.35 | 97.24 | 193.14 | 1.73 |
| Mar-May | 193.14 | --- | 0.00 | 193.14 | 11.82 | 3.68 | 62.77 | 78.27 | 114.86 | 2.09 |
| June-Aug | 114.86 | --- | 0.00 | 114.86 | 10.42 | 4.59 | 34.20 | 49.20 | 65.66 | 2.48 |
| Mkt. yr. | 56.94 | 392.93 | 0.00 | 449.88 | 50.02 | 139.87 | 194.32 | 384.21 | 65.66 | 1.86 |
| 2006/07 | | | | | | | | | | |
| Sep-Nov | 65.66 | 277.54 | 0.00 | 343.20 | 13.22 | 81.37 | 36.42 | 131.01 | 212.19 | 2.98 |
| Dec-Feb | 212.19 | --- | 0.04 | 212.23 | 13.23 | 9.28 | 47.50 | 70.01 | 142.22 | 3.54 |
| Mar-May | 142.22 | --- | 0.00 | 142.22 | 13.84 | 18.63 | 34.88 | 67.34 | 74.88 | 3.57 |
| Mkt. yr. | 65.66 | 277.54 | 0.04 | 343.24 | 45.00 | 110.00 | 150.00 | 305.00 | 38.24 | 3.30 |
| 2007/08 | | | | | | | | | | |
| Mkt. yr. | 38.24 | 494.75 | 0.00 | 532.99 | 55.00 | 190.00 | 220.00 | 465.00 | 67.99 | 2.60-3.20 |

continued--

Table 1--Feed grains:  Marketing year supply and disappearance (cont.) 1/

| Year/ Qtr. | Beg. stocks | Produc- tion | Im- ports | Supply | FSI 2/ | Feed & resid. | Ex- ports | Total disp. | End. stocks | Farm price |
|---|---|---|---|---|---|---|---|---|---|---|
| **Barley** | | | | | ------Million bushels---- | | | | | $/bu |
| 2004/05 | | | | | | | | | | |
| June-Aug | 120 | 280 | 5 | 405 | 41 | 71 | 2 | 115 | 290 | 2.68 |
| Sep-Nov | 290 | --- | 4 | 294 | 35 | 7 | 6 | 48 | 246 | 2.40 |
| Dec-Feb | 246 | --- | 1 | 247 | 35 | 15 | 7 | 57 | 191 | 2.41 |
| Mar-May | 191 | --- | 2 | 192 | 47 | 9 | 8 | 64 | 128 | 2.41 |
| Mkt. yr. | 120 | 280 | 12 | 412 | 158 | 103 | 23 | 284 | 128 | 2.48 |
| 2005/06 | | | | | | | | | | |
| June-Aug | 128 | 212 | 2 | 342 | 43 | 34 | 10 | 87 | 255 | 2.47 |
| Sep-Nov | 255 | --- | 1 | 256 | 36 | -1 | 13 | 48 | 208 | 2.45 |
| Dec-Feb | 208 | --- | 1 | 209 | 33 | 8 | 1 | 42 | 167 | 2.48 |
| Mar-May | 167 | --- | 2 | 168 | 45 | 10 | 5 | 60 | 108 | 2.77 |
| Mkt. yr. | 128 | 212 | 5 | 346 | 158 | 52 | 28 | 238 | 108 | 2.53 |
| 2006/07 | | | | | | | | | | |
| June-Aug | 108 | 180 | 1 | 289 | 40 | 35 | 2 | 76 | 213 | 2.72 |
| Sep-Nov | 213 | --- | 4 | 217 | 33 | 2 | 9 | 44 | 173 | 2.74 |
| Dec-Feb | 173 | --- | 3 | 176 | 34 | 17 | 8 | 59 | 117 | 3.00 |
| Mar-May | 117 | --- | 4 | 121 | 49 | 2 | 2 | 52 | 69 | 3.10 |
| Mkt. yr. | 108 | 180 | 12 | 300 | 156 | 55 | 20 | 231 | 69 | 2.85 |
| 2007/08 | | | | | | | | | | |
| Mkt. yr. | 69 | 223 | 15 | 307 | 155 | 60 | 25 | 240 | 67 | 2.95-3.55 |
| **Oats** | | | | | | | | | | |
| 2004/05 | | | | | | | | | | |
| June-Aug | 65 | 116 | 16 | 197 | 16 | 65 | 0.6 | 81 | 116 | 1.37 |
| Sep-Nov | 116 | --- | 26 | 142 | 17 | 19 | 0.8 | 37 | 105 | 1.44 |
| Dec-Feb | 105 | --- | 26 | 131 | 16 | 32 | 0.7 | 49 | 82 | 1.64 |
| Mar-May | 82 | --- | 22 | 104 | 25 | 20 | 0.6 | 46 | 58 | 1.68 |
| Mkt. yr. | 65 | 116 | 90 | 271 | 74 | 136 | 2.7 | 213 | 58 | 1.48 |
| 2005/06 | | | | | | | | | | |
| June-Aug | 58 | 115 | 20 | 193 | 16 | 64 | 0.4 | 80 | 114 | 1.55 |
| Sep-Nov | 114 | --- | 22 | 135 | 17 | 22 | 0.4 | 40 | 96 | 1.58 |
| Dec-Feb | 96 | --- | 28 | 124 | 16 | 32 | 0.6 | 49 | 75 | 1.76 |
| Mar-May | 75 | --- | 21 | 96 | 25 | 17 | 0.7 | 43 | 53 | 1.80 |
| Mkt. yr. | 58 | 115 | 91 | 264 | 74 | 136 | 2.1 | 211 | 53 | 1.63 |
| 2006/07 | | | | | | | | | | |
| June-Aug | 53 | 94 | 28 | 174 | 16 | 57 | 1.0 | 74 | 100 | 1.73 |
| Sep-Nov | 100 | --- | 34 | 134 | 17 | 18 | 0.5 | 36 | 99 | 1.82 |
| Dec-Feb | 99 | --- | 21 | 120 | 16 | 32 | 0.5 | 49 | 71 | 2.17 |
| Mar-May | 71 | --- | 23 | 94 | 25 | 18 | 0.6 | 43 | 51 | 2.44 |
| Mkt. yr. | 53 | 94 | 106 | 253 | 74 | 125 | 3 | 201 | 51 | 1.87 |
| 2007/08 | | | | | | | | | | |
| Mkt. yr. | 51 | 98 | 110 | 260 | 75 | 130 | 2.0 | 207 | 53 | 1.85-2.45 |

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.

2/  Grain used for food, seed or industrial purposes.

Source: Stocks and production data from Data and Statistics at
http://www.nass.usda.gov/Data_and_Statistics/Quick_Stats/index.asp: Trade data from Foreign Trade Statistics, at
http://www.census.gov/foreign-trade/www/; and other categories calculated by USDA, Economic Research Service.

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 |
| **2004/05** | | | | | | | | | |
| Sep-Nov | 55.2 | 3.7 | 0.2 | 0.3 | 59.4 | -1.5 | 57.9 | | |
| Dec-Feb | 41.2 | 0.3 | 0.3 | 0.5 | 42.3 | 0.1 | 42.4 | | |
| Mar-May | 33.3 | 0.6 | 0.2 | 0.4 | 34.5 | -0.8 | 33.6 | | |
| June-Aug | 26.7 | 0.2 | 0.7 | 1.0 | 28.7 | 7.2 | 35.8 | | |
| Mkt. yr. | 156.4 | 4.9 | 1.4 | 2.2 | 164.9 | 4.9 | 169.8 | 90.0 | 1.89 |
| **2005/06** | | | | | | | | | |
| Sep-Nov | 56.9 | 2.7 | 0.0 | 0.4 | 60.0 | -1.7 | 58.3 | | |
| Dec-Feb | 41.8 | 0.6 | 0.2 | 0.5 | 43.2 | 0.1 | 43.3 | | |
| Mar-May | 32.9 | 0.1 | 0.2 | 0.3 | 33.5 | -1.3 | 32.2 | | |
| June-Aug | 24.7 | 0.1 | 0.8 | 0.9 | 26.5 | 5.8 | 32.3 | | |
| Mkt. yr. | 156.3 | 3.6 | 1.1 | 2.1 | 163.2 | 3.0 | 166.1 | 91.1 | 1.82 |
| **2006/07** | | | | | | | | | |
| Sep-Nov | 55.4 | 2.1 | 0.0 | 0.4 | 57.9 | -1.2 | 56.7 | | |
| Dec-Feb | 39.0 | 0.2 | 0.4 | 0.5 | 40.1 | 0.7 | 40.9 | | |
| Mar-May | 29.1 | 0.5 | 0.0 | 0.3 | 29.9 | -1.8 | 28.1 | | |
| Mkt. yr. | 146.1 | 2.8 | 1.3 | 2.1 | 152.3 | 2.3 | 154.6 | 91.8 | 1.68 |
| **2007/08** | | | | | | | | | |
| Mkt. yr. | 148.6 | 4.8 | 1.1 | 1.7 | 156.2 | 11.7 | 167.8 | 91.9 | 1.83 |

Source: Calculated by 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 |
| 2003/04 | 2.60 | 3.03 | NQ | NQ | 1.83 | 2.85 | NQ |
| 2004/05 | 1.87 | 2.44 | 3.87 | 4.23 | 1.74 | 2.46 | 1.88 |
| 2005/06 3/ | 1.98 | 2.65 | 3.76 | 4.88 | 1.70 | 2.70 | 1.98 |
| Monthly: | | | | | | | |
| **2006** | | | | | | | |
| Apr. | 2.18 | 2.74 | 3.69 | 5.18 | 1.70 | 2.90 | 2.00 |
| May | 2.22 | 2.81 | 4.04 | 5.60 | 1.70 | 2.96 | 2.13 |
| June | 2.15 | 2.78 | 4.02 | 5.57 | 1.69 | 3.02 | 2.21 |
| July | 2.22 | 2.90 | 4.14 | 5.86 | 1.65 | 3.10 | 2.25 |
| **2007** | | | | | | | |
| Apr. | 3.36 | 3.88 | 6.28 | 6.55 | 3.33 | 4.26 | 2.82 |
| May | 3.52 | 4.07 | 6.29 | 6.98 | 3.42 | 4.42 | 2.76 |
| June | 3.68 | 4.20 | 6.43 | 8.30 | 3.53 | 4.53 | 2.90 |
| July 3/ | 3.03 | 3.73 | 5.57 | 7.11 | 3.36 | 4.41 | 2.69 |

1/ Marketing year beginning September 1.

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

Source: USDA, Agricultural Marketing Service, http://marketnews.usda.gov/portal/lg.

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. | | | | | | | | |
| 2003/04 | 260.06 | 182.87 | 83.24 | 327.30 | 216.39 | 118.50 | 75.78 | 90.80 |
| 2004/05 | 187.80 | 125.92 | 52.60 | 267.78 | 165.09 | 75.15 | 37.40 | 98.60 |
| 2005/06 3/ | 174.73 | 144.36 | 55.45 | 273.50 | 150.53 | 86.56 | 63.22 | 104.00 |
| Monthly: | | | | | | | | |
| **2005/06** | | | | | | | | |
| Apr. | 174.64 | 144.38 | 57.88 | 250.63 | 149.70 | 95.00 | 50.21 | 108.00 |
| May | 175.77 | 131.50 | 60.38 | 251.70 | 139.69 | 92.00 | 49.20 | 114.00 |
| June | 177.66 | 135.00 | 58.25 | 250.00 | 145.46 | 87.00 | 61.95 | 112.00 |
| July | 168.97 | 132.50 | 56.13 | 240.00 | 144.61 | 83.00 | 69.83 | 111.00 |
| **2006/07** | | | | | | | | |
| Apr. | 189.37 | 148.25 | 72.82 | 363.33 | 213.55 | 131.00 | 62.90 | 127.00 |
| May | 198.66 | 137.00 | 59.50 | 344.00 | 204.26 | 105.00 | 57.43 | 145.00 |
| June | 229.70 | 131.25 | 62.25 | 352.75 | 217.01 | 105.00 | 50.75 | 137.00 |
| July 3/ | 222.05 | 137.50 | 66.40 | 398.50 | 217.01 | 105.00 | 37.38 | 137.00 |

1/ Marketing year beginning September 1. 2/ Marketing year beginning May 1. 3/ Preliminary. NQ=No quote.
Sources: USDA, Agricultural Marketing Service at http://marketnews.usda.gov/portal/lg, and
USDA, National Agricultural Statistics Service at http://www.nass.usda.gov/Data_and_Statistics/Quick_Stats/index.asp.

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 | | | |
| **2005/06** | | | | | | | |
| Sep-Nov | 127.0 | 55.3 | 70.4 | 364.3 | 33.0 | 47.3 | 697.3 |
| Dec-Feb | 120.1 | 51.9 | 67.2 | 386.6 | 34.6 | 47.3 | 707.8 |
| Mar-May | 137.3 | 59.1 | 67.5 | 406.5 | 36.2 | 47.8 | 754.5 |
| June-Aug | 144.2 | 63.0 | 70.2 | 445.3 | 31.2 | 47.8 | 801.7 |
| Mkt. year | 528.6 | 229.3 | 275.4 | 1,602.8 | 135.0 | 190.2 | 2,961.3 |
| **2006/07** | | | | | | | |
| Sep-Nov | 122.8 | 60.5 | 69.2 | 458.7 | 33.0 | 47.5 | 791.8 |
| Dec-Feb | 113.9 | 52.8 | 65.7 | 503.2 | 34.6 | 47.5 | 817.6 |
| Mar-May | 134.9 | 62.1 | 67.5 | 545.9 | 36.7 | 47.7 | 894.7 |
| Mkt. year | 510.0 | 240.0 | 275.0 | 2,125.0 | 136.0 | 190.4 | 3,476.4 |
| **2007/08** | | | | | | | |
| Mkt. year | 515.0 | 243.0 | 280.0 | 3,300.0 | 136.5 | 192.8 | 4,667.3 |

Source: Calculated by USDA, 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/ | | | | | |
| 2004/05 | 15.95 | 11.88 | 23.06 | 13.07 | 12.07 |
| 2005/06 | 15.70 | 11.65 | 23.68 | 12.89 | 12.18 |
| 2006/07 2/ | 18.41 | 14.30 | 28.05 | 15.67 | 15.37 |
| Monthly | | | | | |
| **2006** | | | | | |
| May | 16.64 | 12.53 | 24.10 | 13.00 | 12.91 |
| June | 15.34 | 11.82 | 24.10 | 13.00 | 12.94 |
| July | 15.87 | 11.76 | 24.10 | 13.00 | 12.82 |
| Aug. | 15.49 | 11.38 | 24.10 | 13.00 | 13.00 |
| **2007** | | | | | |
| May | 18.99 | 14.89 | 28.35 | 15.88 | 15.52 |
| June | 18.87 | 14.77 | 28.10 | 15.88 | 16.00 |
| July | 17.82 | 13.72 | 28.35 | 15.88 | 16.75 |
| Aug. 2/ | 18.00 | 13.89 | 28.35 | 15.88 | 14.47 |

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

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

| Country/region | ------2005/2006------ | | ------2006/2007------ | | 2007/2008 |
|---|---|---|---|---|---|
| | Mkt. yr. | June-July | Mkt. yr. | June-July | June-July |
| **Oats:** | | | Thousand tons | | |
| Canada | 1,367 | 175 | 1,818 | 211 | 148 |
| Finland | 137 | 57 | | | |
| Sweden | 67 | 23 | 12 | | 12 |
| Total 1/ | 1,572 | 255 | 1,831 | 211 | 160 |
| **Barley, malting:** | | | | | |
| Canada | 88 | 18 | 232 | 13 | 54 |
| Total 1/ | 89 | 18 | 232 | 13 | 54 |
| **Barley, other:** 2/ | | | | | |
| Canada | 28 | 5 | 31 | 2 | 18 |
| Total 1/ | 28 | 5 | 31 | 3 | 18 |

1/ Totals may not add due to rounding. 2/ Mainly consists of barley for feeding and also includes seed barley.
Source: U.S. Dept. of Commerce, Bureau of the Census, at http://www.census.gov/foreign-trade/www/.

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

| Country/region | ------2004/05-------- | | ------2005/06-------- | | 2006/2007 |
|---|---|---|---|---|---|
| | Mkt. yr. | Sept.-July | Mkt. yr. | Sept.-July | Sept.-July |
| | | | 1,000 metric tons | | |
| **Corn** | | | | | |
| Japan | 15,511 | 14,270 | 15,950 | 14,506 | 13,443 |
| Mexico | 5,885 | 5,476 | 6,336 | 5,722 | 8,206 |
| South Korea | 2,102 | 1,783 | 5,587 | 4,910 | 3,703 |
| China (Taiwan) | 4,339 | 4,004 | 4,652 | 4,410 | 3,935 |
| Egypt | 3,854 | 3,482 | 4,045 | 3,288 | 2,895 |
| Colombia | 2,044 | 1,878 | 2,704 | 2,435 | 2,963 |
| Canada | 2,375 | 2,195 | 1,882 | 1,668 | 1,793 |
| Algeria | 1,073 | 909 | 1,235 | 1,054 | 815 |
| Morocco | 825 | 825 | 1,094 | 995 | 673 |
| Dominican Republic | 989 | 867 | 1,035 | 941 | 1,073 |
| Indonesia | 43 | 43 | 965 | 858 | 104 |
| Syria | 1,291 | 1,213 | 829 | 736 | 1,427 |
| Guatemala | 656 | 608 | 718 | 646 | 681 |
| Costa Rica | 547 | 542 | 682 | 627 | 586 |
| Israel | 423 | 423 | 620 | 512 | 800 |
| Saudi Arabia | 137 | 137 | 564 | 451 | 355 |
| El Salvador | 511 | 475 | 499 | 478 | 506 |
| Cuba | 450 | 405 | 422 | 422 | 462 |
| Peru | 232 | 223 | 421 | 381 | 263 |
| Tunisia | 209 | 189 | 394 | 354 | 428 |
| Honduras | 322 | 309 | 353 | 308 | 326 |
| Ecuador | 321 | 321 | 339 | 281 | 390 |
| Panama | 298 | 289 | 332 | 277 | 291 |
| Jordan | 299 | 299 | 319 | 244 | 320 |
| Chile | 0 | 0 | 299 | 245 | 298 |
| All other countries | 1,443 | 1,338 | 1,925 | 1,762 | 2,314 |
| World | 46,181 | 42,502 | 54,201 | 48,511 | 49,050 |
| **Sorghum** | | | | | |
| Mexico | 3,016 | 2,931 | 3,138 | 3,036 | 1,786 |
| Japan | 1,147 | 1,052 | 1,161 | 1,047 | 667 |
| Sub-Saharan Africa | 301 | 265 | 491 | 421 | 424 |
| European Union-27 | 169 | 169 | 67 | 67 | 619 |
| All other countries | 42 | 40 | 79 | 78 | 26 |
| World | 4,675 | 4,457 | 4,936 | 4,649 | 3,523 |
| | -----2005/2006------ | | ------2006/2007------ | | 2007/2008 |
| | Mkt. yr. | Jun.-July | Mkt. yr. | Jun.-July | Jun.-July |
| **Barley** | | | | | |
| Mexico | 179 | 84 | 293 | 11 | 0 |
| Japan | 32 | 7 | 49 | 6 | 2 |
| Canada | 49 | 9 | 40 | 4 | 8 |
| Tunisia | 59 | | 22 | | |
| All other countries | 287 | 18 | 38 | 0 | 11 |
| World | 606 | 118 | 441 | 21 | 21 |

1/ Totals may not add due to rounding.

Source: U.S. Dept. of Commerce, Bureau of the Census, at http://www.census.gov/foreign-trade/www/.