FEED OUTLOOK
FDS-0399
United States Department of Agriculture
Economic Research Service

Approved by the World Agricultural Outlook Board
March 15, 1999

## HIGHLIGHTS

o Corn Export Forecast Increased 75 Million Bushels
o Corn Ending Stocks Projection Dropped to 1,711 Million Bushels
o Forecast Corn Price Up Slightly, But Remains Low
o Domestic Market Continues Strong

## FEED GRAIN EXPORT FORECAST UP, ENDING STOCKS DOWN

There were no changes in feed grain supply estimates this month, but forecast exports are up because of improved sales prospects for corn. U.S. feed grain exports in 1998/99 are forecast at 51.1 million metric tons, up about 2 million tons from a month ago, and up nearly 6 million from the previous year. There were no other changes in trade or other uses. Thus, forecast total use was raised about 2 million tons to 263.4 million tons, and ending stocks reduced to 48.8 million.

Compared with 1997/98, both supply and use are up significantly. Total feed grain use in 1998/99 is expected to rise 11.5 million tons from last year, with domestic disappearance record high and exports showing improvement. Feed grain supply, however, is up 22 million tons, and carryout stocks are forecast to rise nearly 11 million tons, a similar increase to the year before.

## CORN CARRYOUT TRIMMED

Ending stocks of corn for 1998/99 are projected at 1,711 million bushels, down 75 million this month because of larger expected exports. However, ending stocks are up about 30 percent from 1997/98, and the largest since 1992/93, when they reached 2,113 million bushels. The stocks-to-use ratio is projected at 18.3 percent, also the largest since 24.9 percent in 1992/93.

Stocks estimates for all the grains as of March 1 will be released on March 31. This will provide a benchmark to gauge the pace of disappearance for the December-February quarter. Prospective Plantings will also be released that day, providing farmers' spring planting intentions. Most analysts expect corn plantings in 1999 to decline slightly and soybean acres to increase from 1998.

## CORN EXPORT FORECAST RAISED TO 1,800 MILLION BUSHELS

U.S. 1998/99 corn exports are forecast to reach 1,800 million bushels, up 75 million bushels this month. Reduced competition from South Africa, and increased imports by Mexico and

Brazil underlie improved prospects for U.S. exports. U.S. exports in 1998/99 are forecast up 20 percent from a year ago.

According to U.S. Export Sales, as of March 4, both shipments to date and outstanding sales were 20 percent ahead of last year's pace. Shipments are up 134 percent to South Korea, 83 percent to Mexico, and 33 percent to Egypt, more than offsetting modest declines to Japan and Taiwan.

Production prospects for corn in South Africa dropped this month from 9 million tons to 7 million. Until early February, the growing season had been unusually favorable, with abundant soil moisture and mild temperatures. However, several weeks of dry weather during February were followed by record high temperatures in early March. Since it is customary in South Africa to plant some corn early and some later, it is likely that the later planted corn will suffer much more damage from this drought than the earlier planted corn. Reduced production prospects will curtail exports, now forecast at 750,000 tons in 1998/99 (October/September), down 1 million tons from last month. The United States is unlikely to export directly to some of South Africa's customers, especially Iran. But if Argentina sends more corn to those markets, it will have less corn to sell in direct competition with the United States.

Corn production forecasts declined this month for Mexico and Brazil, boosting prospects for imports. Mexico's corn production is divided into a main crop and a second crop, and with low water supplies in reservoirs, and more attractive prices for some other crops, area planted to the second corn crop is not matching earlier expectations. Mexico's corn production forecast was reduced 0.5 million tons to 17.5 million, while imports increased by the same amount to 4.75 million. In Brazil, dryness in the southernmost region caused some intended corn area to be shifted to soybeans, and also reduced corn yield prospects. Forecast corn production dropped 1 million tons, but expected imports are up only 300,000 tons because of Brazil's weak macro-economic outlook and foreign exchange constraints.

The U.S. share of world corn trade is expected to reach 72 percent in $1998 / 99$, up sharply from 59 percent a year earlier, and slightly above the 70 percent share posted in 1996/97. But this is still much less than the 81 percent share reached in 1995/96 when China was not a major corn exporter and Argentina's production was lower. Current low corn prices are limiting the incentives for all exporters, and Argentina's corn area declined this year. Although corn supplies are large, China is exporting less aggressively. With China's internal corn prices much higher than low world corn prices, costly subsidies must be used in order to move corn into export channels.

CORN FOOD, SEED, AND INDUSTRIAL (FSI) USE RISING
Food, seed and industrial (FSI) use of corn in 1998/99 was not changed this month and is expected to total 1,870 million bushels, up from 1,782 million in $1997 / 98$. Ethanol production in January 1999 was up 6 percent from the year earlier and stocks at the end of the month were up 13 percent from 1998. This is in line with expectations and thus FSI use was not changed. Ethanol data are available from the "Monthly Oxygenate Telephone Report" published by the Energy Information Administration and available from:
ftp://ftp.eia.doe.gov/pub/oil_gas/petroleum/data_publications/monthly_oxygenate_report/.

## FEED AND RESIDUAL USE UNCHANGED FROM LAST MONTH

Feed and residual use of the four feed grains plus wheat in 1998/99 is expected to total 166 million metric tons, up from 164 million used in September 1997-August 1998, but
unchanged from last month. Corn is expected to represent 87 percent of feed and residual use in 1998/99.

The index of grain consuming animal units (GCAU's) for 1998/99 is expected to be the same as 1997/98's 88 million. The grain used per GCAU in 1998/99 would be 1.90 tons, up 1 percent from 1997/98. In the index components, GCAU's for hogs, broilers, and layers are up from the previous year.

The number of cattle on feed on February 1, 1999, was 10.5 million head, down from 10.8 million the previous year. In 1999, beef production is expected to total 25.3 million pounds, down from 25.7 million pounds in 1998. With the decline in beef production, feed needs are likely to be down slightly from the prior year.

The number of dairy cows on farms during January 1999 in the 20 selected States was 7.7 million head, down 19,000 head from 1998. In January 1999, milk production in the 20 States was up 3.7 percent from the previous year's 11.7 million pounds. Milk production in 1999 is expected to total 160.1 billion pounds, up from 156.9 billion in 1998. Thus with the increased milk production per cow, feed use by the dairy industry will continue strong.

Broiler and egg production in 1999 are expected to increase from expected 1998 levels and maintain strong demand for feed grains. Broiler chicks placed on feed in the 15 major States in the week ending March 6 were up 2 percent from last year. On February 27, placements were up 4 percent, an indication of continued increases in broiler production in about 2 months when the birds are processed. Broiler production in 1999 is expected to increase 6 percent from 1998 as producers respond to strong domestic demand. Turkey poults placed for domestic slaughter in January 1999 were down 7 percent from the year earlier, and the cumulative placements for 1999 slaughter are also down 7 percent. Placements and production are likely to pick up in the second half of the year. In 1999, turkey production may be about the same as the 5.3 billion pounds produced in 1998. The average number of layers during January was up 3 percent from January 1998. Egg producers are expected to produce 6.8 billion dozen eggs in 1999, up 3 percent from 1998.

## FORECAST PRICE OF CORN BUMPED UP SLIGHTLY, MARKET PRICES FAIRLY STEADY

The forecast range of corn prices received by farmers for 1998/99 was narrowed this month, up 10 cents on the low end to $\$ 1.90$ to $\$ 2.10$ per bushel. The average January farm price was $\$ 2.06$ per bushel, while the preliminary February price was $\$ 2.01$, with both months about 50 cents lower than a year earlier. Central Illinois cash prices have been relatively steady, hovering between $\$ 2.00$ and $\$ 2.10$ per bushel since mid-December, about 50-55 cents below a year earlier. After sinking through much of February, futures prices for corn have strengthened in the last 2 weeks, with the May Chicago Board of Trade contract price recovering to more than $\$ 2.20$ per bushel in the last few days. Corn prices have been relatively resilient in the face of sharp declines in soybean markets over the last several weeks because of the much stronger export prospects for corn and expectations for declining corn plantings.

Average corn prices received by farmers have inched up from their harvesttime lows in recent months, but a substantial portion of the crop was sold below $\$ 2.00$ a bushel in the first 3 months of the marketing year (September-August). In the last 2 years, an average of 30 percent of the crop was marketed between September and November, and 61 percent was marketed by the end of February. Anecdotal information suggests the pace may be slower this year. As of late February, loan deficiency payments (LDPs) have been taken on nearly 4.5 billion bushels of corn nationally, but it is unknown how much of this corn was sold.

The preliminary farm price of sorghum was $\$ 1.70$ per bushel in February, about the same as $\$ 1.71$ in January. For the season to date, sorghum prices have averaged 86 percent of corn prices, below the historical 92-93 percent. The season-average price range was also narrowed to $\$ 1.65$ to $\$ 1.75$ per bushel. Barley and oats price forecasts were not adjusted this month. Feed barley prices received by farmers have been weak, given the abundance of feed grains available, averaging $\$ 1.54$ through the first 9 months of the marketing year (June-May). Malting barley prices have been stronger, and the premium over feed barley has averaged 81 cents per bushel, compared with a longer-term average of around 50 cents.

Hay prices strengthened in February, with the price received by farmers for all hay in February at $\$ 79$ per ton, up from $\$ 78.80$ in January, but down from $\$ 96.10$ in February 1998. All of the strength was in alfalfa hay. In February, prices received by farmers for alfalfa hay was $\$ 82$ per ton, up from $\$ 81.40$ in January, but down from $\$ 105$ in January 1998. Other hay prices continued to slip in February, down $\$ 0.60$ from the January price of $\$ 71$ per ton.

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1999. The next Feed Outlook will be released May 14. The summary of the annual
Feed Situation and Outlook Yearbook will be released on April 23.
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Table 1--Feed Grains: Marketing year supply and disappearance 1/

| $\begin{aligned} & \text { Year/ } \\ & \text { Qtr. } \end{aligned}$ | Beg. Produc- Im- Supply stocks tion ports |  |  |  | FSI | Feed \& resid. | $\begin{array}{r} \text { Ex- } \\ \text { ports } \end{array}$ | Total disp. | End. stks. | $\begin{gathered} \text { Farm } \\ \text { price } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { CORN } \\ & \text { 1996/97 } \end{aligned}$ | ----------------------Milion bushels---------------------1/bu |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Sep-Nov | 426 | 9,233 | 3 | 9,662 | 383 | 1,890 | 487 | 2,759 | 6,903 | 2.87 |
| Dec-Feb | 6,903 |  | 2 | 6,905 | 394 | 1,492 | 525 | 2,411 | 4,494 | 2.66 |
| Mar-May | 4,494 | --- | 4 | 4,498 | 465 | 1,106 | 431 | 2,001 | 2,497 | 2.77 |
| Jun-Aug | 2,497 | --- | 4 | 2,500 | 450 | 814 | 353 | 1,617 | 883 | 2.49 |
| Mkt. yr. | 426 | 9,233 | 13 | 9,672 | 1,692 | 5,302 | 1,795 | 8,789 | 883 | 2.71 |
| 1997/98 |  |  |  |  |  |  |  |  |  |  |
| Sep-Nov | 883 | 9,207 | 2 | 10,092 | 429 | 2,036 | 380 | 2,845 | 7,247 | 2.53 |
| Dec-Feb | 7,247 | --- | 1 | 7,248 | 418 | 1,510 | 380 | 2,308 | 4,940 | 2.55 |
| Mar-May | 4,940 | --- | 4 | 4,944 | 464 | 1,089 | 350 | 1,904 | 3,040 | 2.45 |
| Jun-Aug | 3,040 | --- | 2 | 3,042 | 470 | 870 | 394 | 1,734 | 1,308 | 2.12 |
| Mkt. yr. | . 883 | 9,207 | 9 | 10,099 | 1,782 | 5,505 | 1,504 | 8,791 | 1,308 | 2.43 |
| 1998/99 |  |  |  |  |  |  |  |  |  |  |
| Sep-Nov | 1,308 | 9,761 | 4 | 11,073 | 444 | 2,129 | 450 | 3,023 | 8,050 | 1.91 |
| Mkt. yr. | .1,308 | 9,761 | 12 | 11,081 | 1,870 | 5,700 | 1,800 | 9,370 | 1,711 | 1.90-2.10 |
| SORGHUM |  |  |  |  |  |  |  |  |  |  |
| 1996/97 |  |  |  |  |  |  |  |  |  |  |
| Sep-Nov | 18 | 795 | 0 | 814 | 15 | 276 | 56 | 346 | 467 | 2.45 |
| Dec-Feb | 467 | --- | 0 | 467 | 15 | 119 | 59 | 193 | 274 | 2.26 |
| Mar-May | 274 | --- | 0 | 274 | 10 | 85 | 61 | 155 | 119 | 2.41 |
| Jun-Aug | 119 | --- | 0 | 119 | 6 | 37 | 29 | 72 | 47 | 2.27 |
| Mkt. yr. | . 18 | 795 | 0 | 814 | 45 | 516 | 205 | 766 | 47 | 2.34 |
| 1997/98 |  |  |  |  |  |  |  |  |  |  |
| Sep-Nov | 47 | 634 | 0 | 681 | 18 | 239 | 49 | 307 | 374 | 2.26 |
| Dec-Feb | 374 | --- | 0 | 374 | 18 | 38 | 83 | 139 | 235 | 2.24 |
| Mar-May | 235 | --- | 0 | 235 | 12 | 71 | 55 | 139 | 96 | 2.16 |
| Jun-Aug | 96 | --- | 0 | 96 | 6 | 17 | 24 | 47 | 49 | 2.08 |
| Mkt. yr. | - 47 | 634 | 0 | 681 | 55 | 365 | 212 | 632 | 49 | 2.21 |
| 1998/99 |  |  |  |  |  |  |  |  |  |  |
| Sep-Nov | 49 | 520 | 0 | 569 | 15 | 180 | 41 | 235 | 334 | 1.68 |
| Mkt. yr. | . 49 | 520 | 0 | 569 | 45 | 275 | 185 | 505 | 64 | 1.65-1.75 |

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


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.

Table $2--$ Feed and residual use of wheat and coarse grains

| Year Beginning September 1 | Corn | Sorg. | Barley | Oats | $\begin{array}{r} \text { Feed } \\ \text { Grains } \end{array}$ | Wheat | $\begin{aligned} & \text { Total } \\ & \text { grains } \end{aligned}$ | Animal Units | Feed/ animal unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | --- | -- | Milli | metr | tons |  |  | Mil. | Tons |
| 1996/97 |  |  |  |  |  |  |  |  |  |
| Sep-Nov | 48.0 | 7.0 | 0.5 | 0.4 | 56.0 | -2.1 | 53.9 |  |  |
| Dec-Feb | 37.9 | 3.0 | 0.8 | 0.6 | 42.4 | 0.8 | 43.2 |  |  |
| Mar-May | 28.1 | 2.1 | 0.4 | 0.4 | 31.1 | -0.7 | 30.4 |  |  |
| Jun-Aug | 20.7 | 0.9 | 1.9 | 1.1 | 24.6 | 9.6 | 34.2 |  |  |
| Mkt. yr. | 134.7 | 13.1 | 3.6 | 2.6 | 154.0 | 7.7 | 161.7 | 85.3 | 1.89 |
| \% Change | 12.6 | 74.8 | -17.9 | 1.3 | 14.9 | 24.8 | 15.3 | 0.4 | 14.9 |
| 1997/98 |  |  |  |  |  |  |  |  |  |
| Sep-Nov | 51.7 | 6.1 | 0.3 | 0.5 | 58.5 | -3.1 | 55.5 |  |  |
| Dec-Feb | 38.3 | 1.0 | 0.6 | 0.6 | 40.6 | -0.0 | 40.5 |  |  |
| Mar-May | 27.7 | 1.8 | 0.3 | 0.4 | 30.2 | 0.3 | 30.5 |  |  |
| Jun-Aug | 22.1 | 0.4 | 2.2 | 1.3 | 26.0 | 11.6 | 37.6 |  |  |
| Mkt. yr. | 139.8 | 9.3 | 3.4 | 2.8 | 155.3 | 8.8 | 164.1 | 87.8 | $1.87$ |
| \% Change | 3.8 | -29.3 | -5.4 | 6.4 | 0.8 | 14.1 | 1.5 | 2.8 | -1.3 |
| 1998/99 |  |  |  |  |  |  |  |  |  |
| Sep-Nov | 54.1 | 4.6 | 0.5 | 0.6 | 59.7 | -2.0 | 57.7 |  |  |
| Mkt. yr. | 144.8 | 7.0 | 4.6 | 2.7 | 159.0 | 7.5 | 166.5 | 87.8 | 1.90 |
| \% Change | 3.5 | -24.6 | 32.0 | -1.4 | 2.4 | -14.9 | 1.5 | 0.0 | 1.4 |

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 South Panhandle 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 |
| 94/95 | 2.34 | 2.78 | 4.75 | 4.62 | 2.02 | 2.75 | 1.36 |
| 95/96 | 3.91 | 4.30 | 7.30 | 7.19 | 2.67 | 3.69 | 2.28 |
| 96/97 | 2.74 | 3.07 | 5.02 | 5.03 | 2.32 | 3.18 | 2.03 |
| 97/98 | 2.45 | 2.78 | 4.72 | 4.76 | 1.90 | 2.50 | 1.70 |
| $\begin{aligned} & \text { Monthly: } \\ & \text { 1997/98: } \end{aligned}$ |  |  |  |  |  |  |  |
| Oct | 2.66 | 3.05 | 4.91 | 5.16 | 2.05 | 2.74 | 1.75 |
| Nov | 2.70 | 2.98 | 4.91 | 5.09 | 1.98 | NQ | 1.65 |
| Dec | 2.60 | 2.89 | 4.82 | 5.02 | 1.66 | NQ | 1.71 |
| Jan | 2.60 | 2.90 | 4.88 | 5.04 | 1.58 | NQ | 1.68 |
| 1998/99: |  |  |  |  |  |  |  |
| Oct | 1.94 | 2.43 | 4.01 | 4.00 | NQ | NQ | 1.29 |
| Nov | 2.09 | 2.47 | 4.14 | 4.15 | NQ | NQ | 1.32 |
| Dec | 2.08 | 2.42 | 3.94 | 4.12 | NQ | NQ | 1.31 |
| Jan | 2.07 | 2.48 | 3.79 | 4.13 | NQ | NQ | 1.33 |

[^0]Feed Outlook / FDS-0399 /March 1999

Table 4--Selected feed and feed by-product prices

|  | Soybean <br> meal <br> 44\% slv. <br> Decatur, <br> IL <br> $1 /$ | Cottonseed 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, Lawrenceburg, IN 1/ | Wheat midlgs, Kansas City 1/ | Alfalfa farm price $2 \text { / }$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mkt. yr. |  |  |  |  |  |  |  |  |
| 94/95 | 151.77 | 112.64 | 82.77 | 221.95 | 170.51 | 106.70 | 65.04 | 92.10 |
| 95/96 | 217.27 | 186.12 | 116.47 | 319.35 | 222.07 | 151.37 | 118.08 | 87.20 |
| 96/97 | 260.37 | 191.47 | 93.05 | 341.50 | 272.44 | 142.87 | 91.18 | 101.80 |
| 97/98 | 186.55 | 150.40 | 69.65 | 290.45 | 192.56 | 109.76 | 76.30 | 107.00 |
| Monthly: |  |  |  |  |  |  |  |  |
| Oct | 216.00 | 189.10 | 73.75 | 343.75 | 260.40 | 128.75 | 89.40 | 106.00 |
| Nov | 231.60 | 189.10 | 73.25 | 351.25 | 221.10 | 133.00 | 101.50 | 107.00 |
| Dec | 214.90 | 190.50 | 78.20 | 350.50 | 226.60 | 125.80 | 91.70 | 102.00 |
| Jan | 193.10 | 153.10 | 76.90 | 321.90 | 189.50 | 124.10 | 95.30 | 102.00 |
| 1998/99: |  |  |  |  |  |  |  |  |
| Oct | 129.40 | 106.50 | 56.90 | 227.50 | 141.30 | 75.00 | 49.00 | 88.10 |
| Nov | 139.30 | 107.90 | 66.10 | 313.10 | 154.00 | 74.00 | 60.00 | 85.00 |
| Dec | 139.60 | 119.75 | 74.40 | 291.00 | 151.20 | 78.00 | 68.10 | 81.40 |
| Jan | 131.00 | 110.60 | 75.90 | 257.50 | 143.00 | 87.00 | 80.10 | 81.40 |

Table 5--Corn: Food, and industrial uses

| Year | HFCS | ```Glucose and dex.``` | Starch | ---AlC <br> Fuel | Bev. <br> \& Mfg | Cereals \& other products | $\begin{gathered} \text { Total } \\ \text { F\&I } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Million bushels |  |  |  |  |  |  |
| 1996/97 |  |  |  |  |  |  |  |
| Sep-Nov | 113.2 | 60.0 | 55.0 | 91.9 | 29.0 | 33.6 | 382.6 |
| Dec-Feb | 110.7 | 56.3 | 55.1 | 106.2 | 33.0 | 33.2 | 394.4 |
| Mar-May | 134.8 | 64.0 | 59.5 | 119.2 | 34.0 | 33.9 | 445.4 |
| Jun-Aug | 145.1 | 65.5 | 59.1 | 111.4 | 34.0 | 33.9 | 449.0 |
| Mkt year | 503.8 | 245.8 | 228.6 | 428.7 | 130.0 | 134.6 | 1,671.5 |
| 1997/98 |  |  |  |  |  |  |  |
| Sep-Nov | 122.8 | 63.4 | 59.6 | 116.1 | 33.2 | 34.0 | 429.1 |
| Dec-Feb | 116.8 | 56.2 | 56.7 | 122.2 | 32.8 | 33.6 | 418.3 |
| Mar-May | 139.4 | 60.7 | 58.3 | 118.3 | 33.5 | 34.4 | 444.5 |
| Jun-Aug | 153.4 | 64.7 | 58.9 | 124.6 | 33.5 | 34.4 | 469.4 |
| Mkt year | 532.3 | 244.9 | 233.5 | 481.1 | 133.0 | 136.5 | 1,761.2 |
| 1998/99 |  |  |  |  |  |  |  |
| Sep-Nov | 127.6 | 60.5 | 57.8 | 132.4 | 30.6 | 34.8 | 443.7 |
| Mkt year | 560.0 | 240.0 | 235.0 | 550.0 | 125.0 | 139.7 | 1,849.7 |

Table 6--Wholesale corn milling product and by-product prices

|  | Corn meal, yellow, New York | Brewers' grits, Chicago | Sugar, destrose, Midwest | HFCS, 42\% tank cars, Midwest | Corn starch, fob Midwest $3 /$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$/cwt | \$/cwt | cents/lb | cents/lb | \$/cwt |
| Mkt. yr. 1/ \$/cwt |  |  |  |  |  |
| 94/95 | 13.22 | 10.67 | 25.62 | 12.27 | 12.43 |
| 95/96 | 17.79 | 14.21 | 25.50 | 13.01 | 15.98 |
| 96/97 | 16.94 | 12.85 | 25.50 | 13.15 | 13.83 |
| 97/98 | 15.94 | 11.85 | 28.08 | 7.77 | 13.55 |
| $\begin{aligned} & \text { Monthly } \\ & \quad 1997 / 98: \end{aligned}$ |  |  |  |  |  |
| Nov | 16.50 | 12.40 | 25.50 | 8.30 | 13.80 |
| Dec | 16.26 | 12.16 | 25.50 | 8.30 | 14.05 |
| Jan | 16.02 | 11.92 | 25.50 | 8.50 | 13.63 |
| Feb | 16.10 | 12.00 | 25.50 | 8.50 | 13.66 |
| 1998/99: |  |  |  |  |  |
| Nov | 15.07 | 10.97 | 30.65 | 7.65 | 11.32 |
| Dec | 14.91 | 10.81 | 30.65 | 7.83 | 11.32 |
| Jan | 15.13 | 11.03 | 30.65 | 7.95 | 11.17 |
| Feb 2/ | 15.30 | 11.20 | 30.65 | 7.95 | 11.11 |

1/ Marketing year beginning September 1.
2/ Preliminary.
3/ Bulk-industrial, unmodified.

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

| Country/region | Mkt. yr. | $\begin{gathered} 1996 / 97--- \\ \text { Jun-Dec } \end{gathered}$ | Mkt. yr. | $\begin{gathered} 7 / 98---- \\ \text { Jun-Dec } \end{gathered}$ | $\begin{aligned} & 1998 / 99 \\ & \text { Jun-Dec } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OATS -------------------Thousand |  |  |  |  |  |
| Canada | 1,440 | 932 | 1,282 | 1,017 | 838 |
| Finland | 99 | 22 | 161 | 76 | 130 |
| Sweden | 140 | 34 | 176 | 87 | 288 |
| Total 1/ | 1,680 | 987 | 1,696 | 1,209 | 1,257 |
| BARLEY, MALTING 73080 |  |  |  |  |  |
| Canada | 608 | 352 | 733 | 450 | 308 |
| Total 1/ | 609 | 352 | 733 | 450 | 308 |
| BARLEY, OTHER $2 /$ |  |  |  |  |  |
| Canada | 191 | 100 | 112 | 71 | 67 |
| Total 1/ | 192 | 100 | 143 | 72 | 67 |

1/ Totals may not add due to rounding.
2/ Mainly consists of barley for feeding, and also includes seed barley.
Source: Bureau of the Census

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

| Country/region | $\begin{aligned} & \text {------1996/97--- } \\ & \text { Mkt. yr. Sep-Dec } \end{aligned}$ |  | Mkt. yr. | $\begin{aligned} & 7 / 98------ \\ & \text { Sep-Dec } \end{aligned}$ | $\begin{aligned} & \text { 1998/99 } \\ & \text { Sep-Dec } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CORN |  |  |  |  |  |
| Japan | 14,821 | 4,681 | 14,497 | 5,311 | 4,804 |
| Taiwan | 5,482 | 1,804 | 3,758 | 1,761 | 1,467 |
| Former USSR | 184 | 69 | 23 | 22 | 0 |
| South Africa | 81 | 0 | 0 | 0 | 0 |
| Sub-Saharan Africa | 272 | 48 | 336 | 61 | 75 |
| EU | 1,704 | 152 | 135 | 6 | 185 |
| Egypt | 2,292 | 856 | 1,808 | 731 | 840 |
| Canada | 833 | 357 | 1,423 | 557 | 301 |
| China | 53 | 53 | 212 | 0 | 154 |
| East Europe | 385 | 385 | 19 | 19 | 0 |
| Algeria | 869 | 318 | 861 | 368 | 367 |
| S. Korea | 5,369 | 2,714 | 3,484 | 789 | 1,699 |
| Mexico | 3,155 | 1,430 | 4,116 | 841 | 1,971 |
| Others | 10,081 | 4,247 | 7,444 | 2,730 | 4,331 |
| Total | 45,581 | 17,114 | 38,117 | 13,196 | 16,195 |
| SORGHUM |  |  |  |  |  |
| Mexico | 2,111 | 777 | 3,222 | 801 | 785 |
| Japan | 2,102 | 806 | 1,650 | 938 | 561 |
| Others | 948 | 334 | 463 | 94 | 59 |
| Total | 5,161 | 1,917 | 5,334 | 1,833 | 1,405 |
|  | --- | 96/97--- | ----19 | /98---- | 1998/99 |
|  | Mkt. yr. | Jun-Dec | Mkt. yr. | Jun-Dec | Jun-Dec |
|  |  |  |  |  |  |
| Saudi Arabia | 88 | 32 | 922 | 922 | 0 |
| Israel | 28 | 28 | 0 | 0 | 0 |
| Jordan | 50 | 50 | 53 | 53 | 0 |
| Japan | 175 | 113 | 290 | 232 | 258 |
| Mexico | 182 | 136 | 124 | 80 | 58 |
| Taiwan | 35 | 35 | 94 | 60 | 0 |
| Other | 220 | 86 | 135 | 91 | 66 |
| Total | 779 | 480 | 1,617 | 1437 | 381 |

1/ Totals may not add due to rounding. Source: Bureau of the Census


[^0]:    1/ Marketing year beginning September 1.
    2/ Marketing year beginning June 1. $N Q=$ No quote.

