

WORLD AGRICULTURAL SUPPLY AND DEMAND ESTIMATES

U.S. DEPARTMENT OF AGRICULTURE
Economics and Statistics Service
Foreign Agricultural Service

Approved by The World Food and Agricultural Outlook and Situation Board

WASDE-108

October 24, 1980

1979/80 Carryover Stocks of Corn Below Expectations

U.S. carryover stocks of corn on October 1, 1980 totaled 1.60 billion bushels, up over 300 million from a year earlier, but about 100 million below the expected level. Corn feeding during the June-September period was much higher than expected, exceeding last year's level by more than a tenth. Thus, for the 1979/80 marketing year, feed use of corn reached 4.43 billion bushels, up 5-1/2 percent from 1978/79. Feed use of feed grains in 1979/80 totaled nearly 137 million tons, about 3 percent above 1978/79, and the highest level of feeding since 1973/74.

With smaller-than-expected carryin stocks, total corn supplies in 1980/81 are now forecast at 8.07 billion bushels, down 11 percent from 1979/80. No changes were made in the 1980/81 utilization estimates. The tighter supplies and expected higher prices will likely cause a 5 percent reduction in feed use of corn in 1980/81, and a 7 percent reduction in total feed grains fed.

Carryover stocks of corn in 1980/81 are forecast at 600 million bushels, 100 million below the previous estimate. Feed grain stocks in 1980/81 will likely decline to 22 million tons, 30 million below 1979/80.

The corn price forecast has been increased to reflect the tighter supply situation. Corn prices at the farm for the 1980/81 season are forecast at \$3.30 to \$3.75 per bushel compared with the previous estimate of \$3.15 to \$3.50.

Wheat Outlook Unchanged

U.S. wheat stocks on October 1, 1980, totaled 2.47 billion bushels, 9 percent above a year ago, but in line with expectations. Wheat feeding during June-September was about 65 million bushels, slightly above last year's level. The wheat feeding estimate of 125 million bushels for the 1980/81 crop year is unchanged from the previous estimate.

The seed use estimate was increased 5 million bushels reflecting the likelihood of larger wheat acreage in 1981. Carryover stocks of wheat for 1980/81 are forecast at slightly more than 900 million bushels, the same level as in 1979/80.

No changes were made in the U.S. rice supply-utilization estimates.

* This report reflects changes in the U.S. Grains situa- *
* tion, based primarily on information contained in the *
* October 23 Grain Stocks report. *

GRAINS—UNITED STATES

```

*****
Item          : Wheat : Rice . : Corn  : Feed  : Total
               :      : (Rough):      : grains1/:grains2/
*****
               :      : Million metric tons
1978/79
Beginning stocks : 32.0   1,2   28.0   41.2   74.5
Production       : 48.9   6.0  180.0  217.4  273.0
  Supply, total 3/ : 81.0   7.3  208.1  258.9  348.0
Feed and residual : 4.9    ---  106.6  133.1  138.2
Food & other use  : 18.4   2.2   14.6   19.7   40.6
Exports          : 32.5   3.5   54.2   60.2   96.2
  Use, total      : 55.8   5.7  175.4  213.0  275.0
Ending stocks    : 25.2   1.4   32.7   45.9   72.8
Average farm price 4/ : 109    180   89    ---    ---
1979/80 (estimated)
Beginning stocks : 25.2   1.4   32.7   45.9   72.8
Production       : 58.3   6.0  197.2  233.9  298.8
  Supply, total 3/ : 83.5   7.4  229.9  280.0  371.8
Feed and residual : 2.5    ---  112.5  136.7  139.4
Food & other use  : 19.0   2.1   15.8   20.9   42.3
Exports          : 37.4   3.8   61.0   70.5  111.8
  Use, total      : 58.9   5.9  189.3  228.1  293.5
Ending stocks    : 24.6   1.2   40.6   51.9   78.0
Average farm price 4/ : 140    234   98    ---    ---
1980/81 (projected)
Beginning stocks : 24.6   1.2   40.6   51.9   78.0
Production       : 64.3   6.5  164.3  192.4  263.6
  Supply, total 3/ : 88.9   7.6  204.9  244.5  341.7
Feed use         : 3.4    ---  106.7  126.5  130.1
Food & other use  : 19.3   2.3   18.2   23.2   45.0
Exports          : 41.5   4.1   64.8   72.9  118.7
  Use, total      : 64.2   6.4  189.7  222.6  293.8
Ending stocks    : 24.7   1.2   15.2   21.9   47.9
Average farm price 4/ : 145-156 220-254 130-148 --- ---
*****

```

1/ Including corn. 2/ Includes rye. 3/ Including imports.
4/ Dollars per metric ton.

U.S. GRAIN CARRYOVER STOCKS, FARMER-OWNED RESERVE,
CCC INVENTORY, AND PRICES 1/

```

*****
Crop          :          : Estimated : Projected
               : 1978/79 : 1979/80 : 1980/81
*****
               :          : Million metric tons
WHEAT
Ending stocks, total : 25.2      24.6      24.7
  Farmer-owned reserve: 10.7       6.8       5.8
  CCC inventory       : 1.4       5.4       5.2
  Free stocks        : 13.1      12.4      13.7
Average farm price 2/ : 109       140       145-156
:
CORN
Ending stocks, total : 32.7      40.6      15.2
  Farmer-owned reserve: 13.7      16.2      ---
  CCC inventory       : 2.5       6.6       ---
  Free stocks        : 16.5      17.8      15.2
Average farm price 2/ : 89        98        130-148
:
TOTAL FEED GRAINS
Ending stocks, total : 45.9      51.9      21.9
  Farmer-owned reserve: 16.4      17.5      .1
  CCC inventory       : 3.8       7.8       ---
  Free stocks        : 25.7      26.6      21.8
:
RICE
Ending stocks, total : 1.4       1.2       1.2
  Farmer-owned reserve: ---       ---       ---
  CCC inventory       : .4        .1        ---
  Free stocks        : 1.0       1.1       1.2
Average farm price 2/ : 180      234      220-254
:
TOTAL GRAINS 3/
Ending stocks, total : 72.8      78.0      47.9
  Farmer-owned reserve: 27.1      24.3      5.9
  CCC inventory       : 5.6      13.3      5.2
  Free stocks        : 40.1      40.4      36.8
*****

```

1/ Farmer-owned reserves and CCC inventory are as of June 1 for wheat, Oct. 1 for feed grains, and August 1 for rice.

2/ Dollars per metric ton. 3/ Includes rye.

U.S. FEED GRAINS AND CORN 1/

```

*****
Commodity      : 1978/79 : 1979/80 : 1980/81 2/
                :          : Estimated : Proj. : Prob. variab.
*****
FEED GRAINS:
Area           :          : Million acres
  Planted      : 122.8   : 117.6   : 120.8
  Harvested    : 104.5   : 101.2   : 99.6
Yield per harv. :          : Metric tons
  acre         : 2.08    : 2.31    : 1.93
                :          : Million metric tons
Beginning stocks : 41.2    : 45.9    : 51.9
Production      : 217.4   : 233.9   : 192.4   +5 to -5
Imports         : .3      : .3      : .2
  Supply, total : 258.9   : 280.0   : 244.5   +5 to -5
Feed and residual : 133.1   : 136.7   : 126.5   +9 to -9
Food, seed, & ind. : 19.7    : 20.9    : 23.2    +1 to -1
  Domestic, total : 152.8   : 157.6   : 149.7   +9 to -9
Exports         : 60.2    : 70.5    : 72.9    +6 to -6
  Use, total     : 213.0   : 228.1   : 222.6   +13 to -13
Ending stocks   : 45.9    : 51.9    : 21.9    +7 to -4
                :
CORN:
Area           :          : Million acres
  Planted      : 80.1    : 80.0    : 83.5
  Harvested    : 70.3    : 71.0    : 71.2
Yield per harv. :          : Bushels
  acre         : 100.8   : 109.4   : 90.8
                :          : Million bushels
Beginning stocks : 1,104   : 1,286   : 1,597
Production      : 7,087   : 7,764   : 6,467   +220 to -220
Imports         : 1       : 1       : 1
  Supply, total : 8,192   : 9,051   : 8,065   +220 to -220
Feed and residual : 4,198   : 4,429   : 4,200   +300 to -300
Food, seed, & ind. : 575    : 625    : 715    +25 to -25
  Domestic, total : 4,773   : 5,054   : 4,915   +315 to -315
Exports         : 2,133   : 2,400   : 2,550   +200 to -200
  Use, total     : 6,906   : 7,454   : 7,465   +450 to -450
Ending stocks   : 1,286   : 1,597   : 600    +200 to -100
Avg. farm price 3/ : 2.25    : 2.50    : 3.30-3.75
*****

```

1/ Marketing year beginning October 1 for corn and sorghum; June 1 for barley and oats. 2/ The "probable variability" reflects the root mean square error and/or standard error of estimate from trend and judgment. Chances are about 2 out of 3 that the outcome will fall within the indicated ranges. 3/ Season average farm price, dollars per bushel.

U.S. SORGHUM, BARLEY AND OATS 1/

```

*****
Commodity      : 1978/79 : 1979/80 : 1980/81
                :          : Estimated : Proj. : Prob. variab 2/
*****
SORGHUM:
Yield/harv. acre :      :      :      :
                :      :      :      : Bushels
                : 55.1 : 62.9 : 45.0 :
                :      :      :      : Million bushels
Beginning stocks : 191  : 159  : 146  :
Production       : 748  : 814  : 547  : +25 to -25
Imports          :      :      :      :
  Supply, total  : 939  : 973  : 693  : +25 to -25
Feed and residual : 566  : 495  : 365  : +30 to -30
Food, seed, & ind. : 7    : 7    : 7    :
  Domestic, total : 573  : 502  : 372  : +30 to -30
Exports         : 207  : 325  : 250  : +25 to -25
  Use, total     : 780  : 827  : 622  : +50 to -50
Ending stocks   : 159  : 146  : 71   : +15 to -15
Avg. farm price 3/ : 2.02 : 2.35 : 3.20-3.60
BARLEY:
Yield/harv. acre :      :      :      :
                :      :      :      : Bushels
                : 48.6 : 50.6 : 47.7 :
                :      :      :      : Million bushels
Beginning stocks : 172  : 229  : 192  :
Production       : 449  : 378  : 352  :
Imports         : 10   : 12   : 10   :
  Supply, total  : 631  : 619  : 554  :
Feed and residual : 206  : 202  : 185  : +25 to -25
Food, seed, & ind. : 170  : 170  : 172  :
  Domestic, total : 376  : 372  : 357  : +25 to -25
Exports         : 26   : 55   : 75   : +20 to -20
  Use, total     : 402  : 427  : 432  : +40 to -40
Ending stocks   : 229  : 192  : 122  : +20 to -20
Avg. farm price 3/ : 1.92 : 2.31 : 2.60-2.80
OATS:
Yield/harv. acre :      :      :      :
                :      :      :      : Bushels
                : 52.2 : 54.4 : 50.9 :
                :      :      :      : Million bushels
Beginning stocks : 311  : 287  : 240  :
Production       : 596  : 534  : 451  :
Imports         : 1    : 1    : 1    :
  Supply, total  : 908  : 822  : 692  :
Feed and residual : 530  : 498  : 450  : +25 to -25
Food, seed, & ind. : 78   : 80   : 80   :
  Domestic, total : 608  : 578  : 530  : +25 to -25
Exports         : 13   : 4    : 10   : +5 to -5
  Use, total     : 621  : 582  : 540  : +25 to -25
Ending stocks   : 287  : 240  : 152  : +20 to -20
Avg. farm price 3/ : 1.20 : 1.36 : 1.60-1.80
*****

```

1/ Marketing year beginning October 1 for sorghum, June 1 for barley and oats. 2/ The "probable variability" reflects the root mean square error and/or standard error of estimate from trend and judgment. Chances are about 2 out of 3 that the outcome will fall within the indicated ranges. 3/ Season average farm price, dollars per bushel.

U.S. WHEAT AND RICE 1/

```

*****
Commodity      : 1978/79 : 1979/80 :      1980/81
                :           : Estimated : Proj. : Prob. variab. 2/
*****
WHEAT:
Area           :           : Million acres
  Planted      : 66.3      : 71.6      : 80.9
  Harvested    : 56.9      : 62.6      : 71.6
Yield per harv. :           : Bushels
  acre         : 31.6      : 34.2      : 33.0
                :           : Million bushels
Beginning stocks : 1,177     : 925       : 903
Production      : 1,798     : 2,142     : 2,362   +35 to -35
Imports         : 1         : 2         : 2
  Supply, total : 2,976     : 3,069     : 3,267   +35 to -35
Food           : 591       : 596       : 605     +5 to -5
Seed           : 87        : 101       : 105     +5 to -5
Feed and residual : 179      : 94        : 125     +50 to -50
  Domestic, total : 857      : 791       : 835     +55 to -55
Exports        : 1,194     : 1,375     : 1,525   +100 to -100
  Use, total     : 2,051     : 2,166     : 2,360   +125 to -125
Ending stocks   : 925       : 903       : 907     +125 to -125
Avg. farm price 3/ : 2.98     : 3.82     : 3.95-4.25
RICE (rough equiv.) :
Area           :           : Million acres
  Allotment     : 1.80      : 1.80      : 1.80
  Planted       : 2.99      : 3.00      : 3.36
  Harvested     : 2.97      : 2.87      : 3.34
Yield per harv. :           : Pounds
  acre         : 4,484     : 4,586     : 4,269
                :           : Million cwt.
Beginning stocks : 27.4      : 31.6      : 25.7
Production      : 133.2     : 131.6     : 142.8   +4 to -4
Imports         : .1        : .1        : ---
  Supply, total : 160.7     : 163.3     : 168.5   +4 to -4
Domestic       : 48.0      : 46.9      : 50.0     +2 to -2
Exports        : 76.9      : 84.5      : 90.0     +5 to -5
  Use, total     : 124.9     : 131.4     : 140.0   +6 to -6
Ending stocks   : 31.6      : 25.7      : 25.5     +5 to -5
Dif. unactd.   : +4.2      : +6.2      : +3.0 4/
Avg. farm price 3/ : 8.16     : 10.60    : 10.00-11.50
*****

```

1/ Marketing year beginning June 1 for wheat and August 1 for rice.
 2/ The "probable variability" reflects the root mean square error and/or standard error of estimate from trend and judgment. Chances are about 2 out of 3 that the outcome will fall within the indicated ranges. 3/ Season average farm price, dollars per bushel for wheat and dollars per hundredweight for rice. 4/ Projected based on historical relationships.

The World Agricultural Supply and Demand Estimates were approved by
the Interagency Commodity Estimates Committees for:

FEED GRAINS: Paul Meyers, Chairman, WFAOSB; Jim Rudbeck, FAS;
Orville I. Overboe, ASCS; Ralph Tapp, AMS; Bruce Wright, ESS.

WHEAT: Paul Meyers, Chairman, WFAOSB; Larry Hall, FAS; David
Spalding, AMS; Randell Weber, ASCS; Bruce Wright, ESS.

RICE: Paul Meyers, Chairman, WFAOSB; Frank Gomme, FAS; Charles
Hunley, AMS; George Schaefer, ASCS; Bruce Wright, ESS.

Conversion Factors

Bushels to metric tons	480-lb. bales to metric tons
Wheat & soybeans = bushels x .027216	Cotton = bales x .217727
Barley = bushels x .021772	Cwt. to metric tons
Corn, sorghum, rye = bushels x .0254011	Rice = cwt. x .045359
Oats = bushels x .014515	Kilogram = 2.204622 pounds
1 hectare = 2.471044 acres	