

AGRICULTURAL SUPPLY & DEMAND ESTIMATES



Approved by the World Food and Agricultural Outlook and Situation Board • USDA

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November 3, 1977

INCREASES IN U.S. 1977/78 WHEAT AND CORN EXPORTS MAY FOLLOW CUT IN SOVIET GRAIN C

The recently announced Soviet grain crop of 194 million metric tons is 13 percent less than last year's record. As a result of the reduced harvest and assuming the Soviet livestock and poultry industry continues to expand as planned the estimate of Soviet grain imports from all origins during 1977/78 (October-September) has been revised from 15 million to 20 to 25 million tons.

These developments--along with crop and market prospects outside the Soviet Union--are reflected in the following revisions in the 1977/78 U.S. supply-demand estimates for wheat and feed grains:

- * Increased exports--Soviet purchases from the United States during October 1977 to September 1978 may total around 15 million tons. The United States recently authorized the Soviets to buy up to this amount without further consultation. Projected U.S. wheat exports have been increased 50 million bushels to 1,100 million; corn exports have been increased 100 million bushels to 1,650 million.
- * Higher prices--The additional export demand is expected to strengthen farm prices for grains; however, supplies continue large. The downward revision in the Soviet grain crop estimate may also strengthen prices for soybeans and soybean meal.
- * Reduced feeding--Feed use of corn has been reduced slightly.

OUTLOOK '78

Watch for OUTLOOK '78--your source for the most up-to-date forecasts of what's going to happen to food and agriculture next year. Scheduled to get underway November 14 in Washington, D.C., the 1978 Food and Agricultural Outlook Conference has been broadened considerably this year to include more information on consumer concerns and world developments affecting U.S. trade. The Conference is open to the public and there is no charge to attend. If you can't attend the Conference in person, you may want to receive a copy of the Conference Proceedings, available soon after the close of the Conference. Just send a postcard request to: Donnell Royster, DA-ERS, Room 0054, South Building, Washington, D.C. 20250.

FEED GRAINS AND CORN (Domestic Measure) 1/

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*****
Commodity      : 1975/76 :1976/77 :      1977/78
                :          :Prelim. :Proj.: Prob.Variab.2/
*****
FEED GRAINS:   :
Area           :          :          :          :          :
  Planted      : 123.4   129.5   128.7
  Harvested    : 105.1   106.8   107.6
Yield per harv. :          :          :          :          :
  unit         : 1.93    1.99    2.04
                :          :          :          :          :
                :          :          :          :          :
  Beginning stocks : 16.8    19.0    32.9
  Production     : 203.3   212.4   219.9      +6 to -6
  Imports        : 0.5     0.3     0.3
  Supply, total  : 220.6   231.7   253.1
  Feed           : 127.7   123.2   131.2      +8 to -8
  Food, seed, & :          :          :          :          :
  indust. uses   : 18.8    19.8    20.4
  Domestic,     :          :          :          :          :
  total         : 146.5   143.0   151.6      +8 to -8
  Exports       : 55.1    55.8    54.1      +4 to -4
  Use, total     : 201.6   198.8   205.7     +10 to -10
  Ending stocks  : 19.0    32.9    47.4      +8 to -8
CORN:          :
Area           :          :          :          :          :
  Planted      : 78.2    84.1    82.4
  Harvested    : 67.2    71.1    69.5
Yield per     :          :          :          :          :
  harv. unit   : 86.2    87.4    90.8
                :          :          :          :          :
                :          :          :          :          :
  Begin. stocks : 359     398     879
  Production     : 5,797   6,216   6,303     +200 to -200
  Imports        : 2       2       1
  Supply, total  : 6,158   6,616   7,183
  Feed           : 3,558   3,538   3,775     +200 to -200
  Food, seed, & :          :          :          :          :
  indust. uses   : 491     515     530      +10 to -10
  Domestic,     :          :          :          :          :
  total         : 4,049   4,053   4,305     +200 to -200
  Exports       : 1,711   1,684   1,650     +150 to -150
  Use, total     : 5,760   5,737   5,955     +300 to -300
  Ending stocks  : 398     879     1,228     +300 to -300
  Season avg. farm :          :          :          :          :
  price ($/bu.) : 2.54    2.20    2.00 - 2.20
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1/ Marketing year beginning October 1 for corn and sorghum; June 1 for barley and oats. 2/ The "probable variability" reflects the SRS estimate of "root mean square error" for production. The chances are about 2 out of 3 that the final outcome would fall within the indicated range. Comparable estimates of variability are used for other items in the S/U balance.

SORGHUM, BARLEY, AND OATS (Domestic Measure) 1/

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*****
Commodity          : 1975/76 :1976/77 :      1977/78
                   :          :Prelim. : Proj.: Prob.Variab. 2/
*****
SORGHUM:          :          : Bushels per acre
Yield per harv. unit : 49.0    48.6    54.9
                   :          : Million bushels
Beginning stocks    : 35      52      91
Production         : 760     724     771      +35 to -35
Imports            :
Supply, total      : 795     776     862
Feed               : 508     433     475      +50 to -50
Food,seed,& indust. : 6        6        6
Domestic, total    : 514     439     481      +50 to -50
Exports            : 229     246     225      +25 to -25
Use, total         : 743     685     706      +60 to -60
Ending stocks      : 52      91      156      +50 to -50
S.av.farm price($/bu): 2.37    1.95    1.85-2.05
BARLEY:           :          : Bushels per acre
Yield per harv. unit : 43.9    44.8    42.2
                   :          : Million bushels
Beginning stocks    : 92      129     126
Production         : 384     377     405      +10 to -10
Imports            : 16      11      10
Supply, total      : 492     517     541
Feed               : 192     168     150      +25 to -25
Food,seed,& indust. : 147     157     164      + 5 to -5
Domestic, total    : 339     325     314      +25 to -25
Exports            : 24      66      60      + 5 to - 5
Use, total         : 363     391     374      +20 to -20
Ending stocks      : 129     127     167      +20 to -20
S.av.farm price($/bu): 2.43    2.29    1.65-1.85
OATS:             :          : Bushels per acre
Yield per harv. unit : 48.3    45.4    52.7
                   :          : Million bushels
Beginning stocks    : 224     208     168
Production         : 658     562     759      +25 to -25
Imports            : 1        1        1
Supply, total      : 883     771     928
Feed               : 574     504     540      +50 to -50
Food,seed,& indust. : 87      89      90      + 5 to -5
Domestic, total    : 661     593     630      +50 to -50
Exports            : 14      10      10      + 2 to -2
Use, total         : 675     603     640      +40 to -40
Ending stocks      : 208     168     288      +35 to -35
S.av.farm price($/bu): 1.46    1.55    1.05-1.15
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1/ Marketing year begins 10/1 for sorghum, 6/1 for barley & oats.
2/ The "probable variability" reflects SRS estimate of "root mean square error" for production. The chances are about 2 out of 3 that the final outcome would fall within the indicated range. Comparable estimates of variability are used for other items in the S/U balance.

SORGHUM, BARLEY, AND OATS (Metric Measure) 1/ 2/

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*****
Commodity          : 1975/76 :1976/77 : 1977/78
                   :          :Prelim. : Proj.: Prob.Variab. 3/
*****
SORGHUM:          :          : Metric tons per hectare
Yield per harv. unit : 3.07   3.05   3.44
                   :          : Million Metric tons
Beginning stocks    : 0.9    1.3    2.3
Production         : 19.3   18.4   19.6   +0.9 to -0.9
Imports            :
  Supply, total    : 20.2   19.7   21.9
Feed               : 13.0   11.1   12.1   +1.3 to -1.3
Food,seed,& indust. : 0.1    0.1    0.1
  Domestic, total  : 13.1   11.2   12.2   +1.3 to -1.3
Exports            : 5.8    6.2    5.7   +0.6 to -0.6
  Use, total       : 18.9   17.4   17.9   +1.5 to -1.5
Ending stocks      : 1.3    2.3    4.0   +1.3 to -1.3
Seas. av. price ($/MT): 93     78     73-81
BARLEY:           :          : Metric tons per hectare
Yield per harv. unit : 2.36   2.41   2.27
                   :          : Million metric tons
Beginning stocks    : 2.0    2.8    2.7
Production         : 8.4    8.2    8.8   +0.2 to -0.2
Imports            : 0.4    0.2    0.2
  Supply, total    : 10.8   11.2   11.7
Feed               : 4.3    3.6    3.2   +0.5 to -0.5
Food,seed,& indust. : 3.2    3.4    3.6   +0.1 to -0.1
  Domestic, total  : 7.5    7.0    6.8   +0.5 to -0.5
Exports            : 0.5    1.4    1.3   +0.1 to -0.1
  Use, total       : 8.0    8.4    8.1   +0.4 to -0.4
Ending stocks      : 2.8    2.8    3.6   +0.4 to -0.4
Seas. av. price ($/MT): 112    105    76-85
OATS:             :          : Metric tons per hectare
Yield per harv. unit : 1.73   1.63   1.89
                   :          : Million metric tons
Beginning stocks    : 3.3    3.0    2.4
Production         : 9.5    8.2    11.0   +0.4 to -0.4
Imports            : 4/     4/     4/
  Supply, total    : 12.8   11.2   13.4
Feed               : 8.3    7.4    7.8   +0.7 to -0.7
Food,seed,& indust. : 1.3    1.3    1.3   +0.1 to -0.1
  Domestic, total  : 9.6    8.7    9.1   +0.7 to -0.7
Exports            : 0.2    0.1    0.1   4/
  Use, total       : 9.8    8.8    9.2   +0.6 to -0.6
Ending stocks      : 3.0    2.4    4.2   +0.5 to -0.5
Seas. av. price ($/MT): 101    107    72-79
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1/ Oct. 1 for sorghum, June 1 for barley/oats. 2/ Conv. factors: Hectare=2.471 acres; metric ton=39.368 bu.(sorghum); 45.930 (barley); and 68.894 (oats). 3/The "probable variability" reflects SRS estimate of "root mean sq. error" for production. Chances are about 2 out of 3 that final outcome would fall within indicated range. Comparable estimates of variability are used for other items in S/U balance. 4/Less than 0.05 mil. MT.

WHEAT AND RICE (Domestic Measure) 1/

 Commodity : 1975/76 : 1976/77 : 1977/78
 : : Prelim. : Proj.:Prob.Variab.2/

WHEAT: : Million acres
 Area :
 Planted : 75.1 80.2 74.4
 Harvested : 69.6 70.8 66.6
 Yield per harvested : Bushels per acre
 unit : 30.7 30.3 30.4
 : Million bushels
 Beginning stocks : 435 664 1,111
 Production : 2,135 2,147 2,027 +30 to -30
 Imports : 2 3 2
 Supply total : 2,572 2,814 3,140
 Domestic :
 Food : 559 553 558 +10 to -10
 Seed : 95 88 80 +5 to -5
 Feed : 81 112 220 +30 to -30
 Domestic, total : 735 753 858 +45 to -45
 Exports : 1,173 950 1,100 +100 to -100
 Disappearance, total : 1,908 1,703 1,958 +135 to -135
 Ending stocks : 664 1,111 1,182 +165 to -165
 Season average farm :
 price (\$/bu.) : 3.55 2.85 2.15-2.35

RICE: :
 Area : Million acres
 Allotment : 1.80 1.80 1.80
 Planted : 2.82 2.51 2.21
 Harvested : 2.80 2.50 2.20
 Yield per harvested : Pounds per acre
 unit : 4,567 4,679 4,486
 : Million cwt.
 Beginning stocks : 7.1 36.9 39.7
 Production : 128.0 117.0 98.8 +3 to -3
 Imports :
 Supply, total : 135.1 153.9 138.5
 Domestic : 40.2 42.8 45.3 +2 to -2
 Exports : 56.5 65.6 68.0 +5 to -5
 Disappearance, total : 96.7 108.4 113.3 +5 to -5
 Ending stocks : 36.9 39.7 25.2 +7 to -7
 Diff. unaccounted : +1.5 +5.8
 Season average farm :
 price (\$/cwt.) : 8.34 6.63 8.00-9.00

 1/ Marketing year beginning June 1 for wheat, Aug. 1 for rice.
 2/ The "probable variability" reflects the SRS estimate of "root
 mean square error" for production. The chances are about 2 out
 of 3 that the final outcome would fall within the indicated
 range. Comparable estimates of variability are used for other
 items in the S/U balance.

WHEAT AND RICE (Metric Measure) 1/ 2/

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*****
Commodity          :1975/76 :1976/77:      1977/78
                   :          :Prelim.:Proj.: Prob. Variab.3/
*****
WHEAT:
Area               :          :          :          :
  Planted          :   30.4   32.5   30.1
  Harvested       :   28.2   28.7   27.0
Yield per harvested :          :          :          :
  unit            :    2.1    2.0    2.0
                   :          :          :          :
                   :          :          :          : Million metric tons
Beginning stocks  :   11.8   18.1   30.2
Production       :   58.1   58.4   55.2   +0.8 to -0.8
Imports         :    0.1    0.1    0.1
  Supply total   :   70.0   76.6   85.5
Domestic
  Food          :   15.2   15.1   15.2   +0.3 to -0.3
  Seed         :    2.6    2.4    2.2   +0.1 to -0.1
  Feed        :    2.2    3.0    6.0   +0.8 to -0.8
Domestic, total :   20.0   20.5   23.4   +1.2 to -1.2
Exports       :   31.9   25.8   29.9   +2.7 to -2.7
  Disappearance, total: 51.9   46.3   53.3   +3.7 to -3.7
Ending stocks  :   18.1   30.2   32.2   +4.5 to -4.5
Season average farm :
  price ($/MT)   :   130    105   79-86
RICE:
Area               :          :          :          :
  Allotment      :    0.73   0.73   0.73
  Planted        :    1.14   1.02   0.90
  Harvested     :    1.13   1.01   0.89
Yield per harvested :          :          :          :
  unit          :    5.12   5.24   5.03
                   :          :          :          :
                   :          :          :          : Million metric tons
Beginning stocks  :    0.32   1.67   1.81
Production       :    5.80   5.31   4.48   +0.14 to -0.14
Imports         :
  Supply, total  :    6.12   6.98   6.29
Domestic       :    1.82   1.94   2.05   +0.09 to -0.09
Exports        :    2.56   2.98   3.08   +0.23 to -0.23
  Disappearance, total: 4.39   4.92   5.14   +0.23 to -0.23
Ending stocks   :    1.67   1.81   1.14   +0.32 to -0.32
Difference unaccounted: +0.06   +.26
Season average farm :
  price ($/MT)   :   184    146   176-198
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1/ Marketing year beginning June 1 for wheat, August 1 for rice.
2/ Conversion factor: Hectare = 2.471 acres; Metric ton = 2204.6 pounds or 36.7437 bushels (wheat); 22.046 cwt (rice). 3/ The "probable variability" reflects the SRS estimate of "root mean square error" for production. The chances are about 2 out of 3 that the final outcome would fall within the indicated range. Comparable estimates of variability are used for other items in the S/U balance.

INTERAGENCY COMMITTEE MEMBERS

WHEAT: Bruce R. Weber, Chairman, ASCS; James J. Naive, ERS;
Donald J. Novotny, FAS.

RICE: George H. Schaefer, Chairman, ASCS; James J. Naive, ERS;
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FEED GRAINS: Orville I. Overboe, Chairman, ASCS; James J. Naive,
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NOTE TO USERS

Totals on tables in this report may not add and conversions
between measures may not be exact due to rounding.
