

AGRICULTURAL SUPPLY & DEMAND ESTIMATES



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

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October 26, 1977

RECORD OCTOBER WHEAT STOCKS; HEAVY WHEAT FEEDING CONFIRMED

All wheat stocks on October 1 totaled a record 2,397 million bushels, 10 percent more than a year earlier. The October 1 stock estimate implies wheat feeding during June-September was around 150 million bushels, the heaviest for that period since 1972/73. This was about in line with what was expected. But since the strong price advantage for feeding wheat was somewhat shorter lived than expected, the feed estimate for 1977/78 was lowered moderately to 220 million bushels, which would still be the largest since 1971/72.

OLD GRAIN CARRYOVER UP SHARPLY; FEED ESTIMATE INCREASED FOR 1977/78

The carryover of old crop feed grains into 1977/78 totaled 30 million metric tons, about as expected. This compares with 17 million tons a year earlier, and was the largest since 1973/74. Stocks of corn on October 1 amounted to 879 million bushels, more than double the 398 million of last year. The sorghum carryover of 91 million bushels was also up sharply.

The volume of feed grains fed in 1977/78 has been raised modestly from our last report since projected 1977/78 wheat feeding was reduced moderately and there are more cattle on feed than earlier expected. Nevertheless, feed grain supplies are large relative to prospective use, suggesting another sizable increase in carryover stocks during 1977/78.

RICE EXPORTS REVISED UPWARD

Projected U.S. rice exports for 1977/78 have been increased by 3.3 million cwt. (rough equivalent) since our last report--in light of unusually heavy commercial sales, particularly to the European Community, Saudi Arabia, the Ivory Coast, and Nigeria. This would bring the total to a near record 68.0 million cwt. Projected carryout stocks for 1977/78 are reduced accordingly, reflecting a continuation of tightening supplies and stronger prices.

WHEAT AND RICE (Domestic Measure) 1/

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*****
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    1,050   +100 to -100
Disappearance, total : 1,908  1,703  1,908   +135 to -135
Ending stocks  : 664    1,111  1,232   +165 to -165
Season average farm :
  price ($/bu.) : 3.55   2.85  2.10-2.30
RICE:
Area          :          : Million acres
  Allotment   : 1.80   1.80   1.80
  Planted     : 2.82   2.51   2.21
  Harvested   : 2.80   2.50   2.20
Yield per harvested : Pounds per acre
  unit       : 4,567  4,679  4,486
                :          : Million cwt.
Beginning stocks : 7.1    36.9   39.7
Production      : 128.0  117.0  98.8      +3 to -3
Imports        :
  Supply, total : 135.1  153.9  138.5
Domestic      : 40.2   42.8   45.3      +2 to -2
Exports       : 56.5   65.6   68.0      +5 to -5
Disappearance, total : 96.7  108.4  113.3     +5 to -5
Ending stocks  : 36.9   39.7   25.2     +7 to -7
Diff. unaccounted : +1.5   +5.8
Season average farm :
  price ($/cwt.) : 8.34   6.63  8.00-9.00
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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/

 Commodity :1975/76 :1976/77: 1977/78
 : :Prelim.:Proj.: Prob. Variab.3/

WHEAT:
 Area : Million hectares
 Planted : 30.4 32.5 30.1
 Harvested : 28.2 28.7 27.0
 Yield per harvested : Metric tons per hectare
 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 28.6 +2.7 to -2.7
 Disappearance, total: 51.9 46.3 51.9 +3.7 to -3.7
 Ending stocks : 18.1 30.2 33.5 +4.5 to -4.5
 Season average farm :
 price (\$/MT) : 130 105 77-85
 RICE:
 Area : Million hectares
 Allotment : 0.73 0.73 0.73
 Planted : 1.14 1.02 0.90
 Harvested : 1.13 1.01 0.89
 Yield per harvested : Metric tons per hectare
 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

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.

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          :          Million acres
  Planted     : 123.4   129.5   128.7
  Harvested   : 105.1   106.8   107.6
Yield per harv. :          Tons per acre
  unit       : 1.93    1.99    2.04
                :          Million short tons
Beginning stocks : 16.8    19.1    33.0
Production      : 203.3   212.4   219.9      +6 to -6
Imports        : 0.5     0.3     0.3
  Supply, total : 220.6   231.8   253.2
Feed          : 127.6   123.4   131.9      +8 to -8
Food, seed, & :
  indust. uses : 18.8    19.8    20.4
  Domestic,    :
  total       : 146.4   143.2   152.3      +8 to -8
Exports       : 55.1    55.6    51.3      +4 to -4
  Use, total   : 201.5   198.8   203.6     +10 to -10
Ending stocks  : 19.1    33.0    49.6      +8 to -8
CORN:
Area          :          Million acres
  Planted     : 78.2    84.1    82.4
  Harvested   : 67.2    71.1    69.5
Yield per     :          Bushels per acre
  harv. unit  : 86.2    87.4    90.8
                :          Million bushels
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   3,547   3,800     +200 to -200
Food, seed, & :
  indust. uses : 491     515     530      +10 to -10
  Domestic,    :
  total       : 4,049   4,062   4,330     +200 to -200
Exports      : 1,711   1,675   1,550     +150 to -150
  Use, total   : 5,760   5,737   5,880     +300 to -300
Ending stocks : 398     879     1,303     +300 to -300
Season avg. farm :
  price ($/bu.) : 2.54    2.20    1.90 - 2.10
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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.

FEED GRAINS AND CORN (Metric Measure) 1/ 2/

 Commodity : 1975/76 :1976/77 : 1977/78
 : : Prelim. : Proj.:Prob.Variab.3/

FEED GRAINS:					
Area	:		Million hectares		
Planted	:	49.9	52.3	52.1	
Harvested	:	42.5	43.2	43.5	
Yield per harvested unit	:	4.34	Metric tons per hectare		
	:		4.46	4.59	
	:		Million metric tons		
Beginning stocks	:	15.2	17.3	29.9	
Production	:	184.4	192.7	199.5	+5 to -5
Imports	:	0.5	0.3	0.3	
Supply, total	:	200.1	210.3	229.7	
Feed	:	115.7	112.0	119.7	+7 to -7
Food, seed, and industrial uses	:	17.1	18.0	18.5	
Domestic, total	:	132.8	130.0	138.2	+7 to -7
Exports	:	50.0	50.4	46.5	+4 to -4
Use, total	:	182.8	180.4	184.7	+9 to -9
Ending stocks	:	17.3	29.9	45.0	+7 to -7

CORN:					
Area	:		Million hectares		
Planted	:	31.6	34.0	33.3	
Harvested	:	27.2	28.8	28.1	
Yield per harvested unit	:	5.41	Metric tons per hectare		
	:		5.49	5.70	
	:		Million metric tons		
Beginning stocks	:	9.1	10.1	22.4	
Production	:	147.3	157.9	160.1	+5.1 to -5.1
Imports	:	0.1	0.1	4/	
Supply, total	:	156.5	168.1	182.5	
Feed	:	90.4	90.2	96.5	+5.1 to -5.1
Food, seed, and industrial uses	:	12.5	13.1	13.5	+0.2 to -0.2
Domestic, total	:	102.9	103.2	110.0	+5.1 to -5.1
Exports	:	43.5	42.5	39.4	+3.8 to -3.8
Use, total	:	146.4	145.7	149.4	+7.6 to -7.6
Ending stocks	:	10.1	22.4	33.1	+7.6 to -7.6
Seas. av. price(\$/MT):	:	100	87	75 - 83	

 1/ Marketing year beginning October 1 for corn and sorghum; June 1 for barley and oats. 2/ Conversion factors: Hectare = 2.471 acres; Metric ton = 2204.6 pounds (feed grains); 39.368 bushels (corn). 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. 4/ Less than 0.05 mil. metric tons.

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     429     475      +50 to -50
Food,seed,& indust. : 6       6       6
  Domestic, total : 514     435     481      +50 to -50
Exports           : 229     250     225      +25 to -25
  Use, total      : 743     685     706      +60 to -60
Ending stocks     : 52      91      156      +50 to -50
S.av.farm price($/bu): 2.37    1.95    1.80-2.00
BARLEY:           :          : Bushels per acre
Yield per harv. unit : 43.9    44.8    42.2
                   :          : Million bushels
Beginning stocks   : 92      129     127
Production        : 384     377     405      +10 to -10
Imports           : 16      11      10
  Supply, total   : 492     517     542
Feed              : 192     167     150      +25 to -25
Food,seed,& indust. : 147     157     164      + 5 to -5
  Domestic, total : 339     324     314      +25 to -25
Exports           : 24      66      60      + 5 to - 5
  Use, total      : 363     390     374      +20 to -20
Ending stocks     : 129     127     168      +20 to -20
S.av.farm price($/bu): 2.43    2.29    1.60-1.80
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    1.00-1.10
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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/

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	10.9	12.1	+1.3 to -1.3
Food, seed, & indust.	:	0.1	0.1	0.1	
Domestic, total	:	13.1	11.0	12.2	+1.3 to -1.3
Exports	:	5.8	6.4	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	71-79	
BARLEY:	:				Metric tons per hectare
Yield per harv. unit	:	2.36	2.41	2.27	
	:				Million metric tons
Beginning stocks	:	2.0	2.8	2.8	
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	11.8	
Feed	:	4.3	3.6	3.3	+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	6.9	+0.5 to -0.5
Exports	:	0.5	1.4	1.3	+0.1 to -0.1
Use, total	:	8.0	8.4	8.2	+0.4 to -0.4
Ending stocks	:	2.8	2.8	3.6	+0.4 to -0.4
Seas. av. price (\$/MT)	:	112	105	73-83	
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	69-76	

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.

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.

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. In fact, the many varied sessions should hold something of interest for just about everyone.

The outlook sessions will focus on the latest thinking on the U.S. agricultural and general economies, world trade, weather, retail food supplies and prices, implications of new farm and food policy, food marketing and distribution, and food and diets. Details regarding outlook for major farm commodities will be discussed in separate sessions, and there will also be sessions on farm inputs, on natural resources and the environment, and on how outlook information is derived

The Conference is open to the public and there is no charge to attend. This year proceedings have been revamped to allow lots of time for questions and answers. 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, USDA-ERS, Room 0054, South Building, Washington, D.C. 20250.