

AGRICULTURAL SUPPLY & DEMAND ESTIMATES



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

#92

October 24, 1979

Feed Grain Stocks Increase from Year-Earlier Levels

Feed grain stocks at the end of the 1978/79 marketing year were 46 million tons. While nearly 5 million higher than a year ago, stocks were slightly below expected levels due to larger-than-anticipated sorghum feeding. The October 1 grain stocks report indicated a corn carryover of 1.29 billion bushels, up 16 percent from the 1.10 billion of a year ago. Sorghum stocks declined about 30 million bushels to 159 million.

Feed use of feed grains in 1978/79 was up 13 percent from 1977/78, due mainly to a sharp expansion in pork and poultry production. Domestic use and exports totaled 213 million tons, up 11 percent.

For 1979/80, sorghum feeding was increased as a result of higher-than-expected feed use during 1978/79. Utilization estimates for other feed grains were unchanged. Feed grain carryover at the end of 1979/80 is now expected to total 42 million tons, 1 million below the previous forecast. Of the total, about 1 million tons will likely remain in the ~~farmer-owned~~ reserve. The larger reserve forecast reflects the recently announced eligibility of 1978 and 1979 feed grain crops for immediate entry into the reserve.

Wheat Feeding Down Significantly

* Indicated wheat feeding during June-September was 30 million bushels, 100 million below the level of the past two years. The reduced feeding reflects higher wheat prices relative to competing grains, and generally favorable pasture and range conditions during most of the summer.

Wheat feeding for 1979/80 is currently projected at 100 million bushels, down 75 million from the previous estimate.

With lower expected feed use, carryover stocks for 1979/80 may only decline to around 850 million bushels, compared with the previous estimate of 775 million. Wheat reserve stocks may be slightly higher than previously forecast, again reflecting the recent changes in reserve eligibility.

Wheat prices have averaged about \$3.85 per bushel for the first five months of the marketing year, and are expected to average from \$3.60 to \$3.90 per bushel for the year.

* No changes were made in the rice supply-utilization *
* estimates. Also, current estimates for soybeans and *
* cotton are shown in Agricultural Supply and Demand *
* Estimates, #91, October 15, 1979. *

GRAINS--UNITED STATES

 Item : Wheat : Rice : Corn : Feed : Total
 : : (Rough): :Grains1/: Grains2/

: Million metric tons

1977/78	:					
Beginning stocks	:	30.3	1.8	22.5	29.9	62.1
Production	:	55.4	4.5	163.2	203.4	263.7
Supply, total 3/	:	85.7	6.3	185.7	233.6	326.1
	:					
Feed use*	:	5.0	---	94.2	117.3	122.5
Food & other use	:	18.1	1.7	14.0	18.8	38.9
Exports	:	30.6	3.3	49.5	56.3	90.2
Use, total	:	53.7	5.0	157.7	192.4	251.6
Ending stocks	:	32.0	1.2	28.0	41.2	74.5
Average farm price 4/	:	86	209	80	---	---
	:					
1978/79 (estimated)	:					
Beginning stocks	:	32.0	1.2	28.0	41.2	74.5
Production	:	49.0	6.1	179.9	217.3	273.1
Supply, total 3/	:	81.0	7.3	207.9	258.8	347.9
	:					
Feed use	:	4.9	---	106.4	133.1	138.2
Food & other use	:	18.4	2.2	14.6	19.7	40.6
Exports	:	32.5	3.5	54.3	60.2	96.2
Use, total	:	55.8	5.7	175.3	213.0	275.0
Ending stocks	:	25.2	1.5	32.6	45.8	72.7
Average farm price 4/	:	108	176	87	---	---
	:					
1979/80 (projected)	:					
Beginning stocks	:	25.2	1.5	32.6	45.8	72.7
Production	:	57.5	6.3	187.7	224.1	288.5
Supply, total 3/	:	82.8	7.7	220.4	270.2	361.5
	:					
Feed use	:	2.7	---	110.5	136.9	139.9
Food & other use	:	18.8	2.3	15.0	20.0	41.4
Exports	:	38.1	3.8	63.5	71.1	113.1
Use, total	:	59.6	6.1	189.0	228.0	294.4
Ending stocks	:	23.2	1.6	31.4	42.2	67.1
Average farm price 4/	:	132-143	193-215	93-104	---	---

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

GRAIN CARRYOVER STOCKS, FARMER-OWNED RESERVE,
CCC INVENTORY, AND PRICES

Crop : : Estimated : Projected
: 1977/78 1/ : 1978/79 : 1979/80

	Million metric tons		
WHEAT			
Ending stocks, total :	32.0	25.2	23.2
Farmer-owned reserve:	9.3	10.7	4.1
CCC inventory :	1.3	1.4	1.4
Average farm price 2/ :	86	108	132-143
CORN			
Ending stocks, total :	28.0	32.6	31.4
Farmer-owned reserve:	8.0	13.7	11.0
CCC inventory :	.3	2.5	2.5
Average farm price 2/ :	80	87	93-104
TOTAL FEED GRAINS			
Ending stocks, total :	41.2	45.8	42.2
Farmer-owned reserve:	10.2	16.4	13.3
CCC inventory :	.6	3.7	3.7
RICE			
Ending stocks, total :	1.2	1.5	1.6
Farmer-owned reserve:	---	---	---
CCC inventory :	.5	.4	.3
Average farm price 2/ :	209	176	193-215
TOTAL GRAINS 3/			
Ending stocks, total :	74.5	72.7	67.1
Farmer-owned reserve:	19.5	27.1	17.4
CCC inventory :	2.4	5.5	5.4

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.

FEED GRAINS AND CORN 1/

Commodity : 1977/78 : 1978/79 : 1979/80
: : Estimated : Proj. : Prob. variab.2/

FEED GRAINS: :
Area : Million acres
Planted : 128.9 122.6 117.6
Harvested : 108.0 104.3 99.9
Yield per harv. : Metric tons
acre : 1.88 2.08 2.24
: Million metric tons
Beginning stocks : 29.9 41.2 45.8
Production : 203.4 217.3 224.1 +6 to -6
Imports : .3 .3 .3
Supply, total : 233.6 258.8 270.2 +6 to -6
Feed : 117.3 133.1 136.9 +9 to -9
Food, seed, & ind. : 18.8 19.7 20.0
Domestic, total : 136.1 152.8 156.9 +9 to -9
Exports : 56.3 60.2 71.1 +5 to -5
Use, total : 192.4 213.0 228.0 +12 to -12
Ending stocks : 41.2 45.8 42.2 +8 to -8

CORN: :
Area : Million acres
Planted : 83.6 79.7 80.0
Harvested : 70.9 70.0 69.5
Yield per harv. : Bushels
acre : 90.7 101.2 106.4
: Million bushels
Beginning stocks : 884 1,104 1,285
Production : 6,425 7,082 7,390 +260 to -260
Imports : 3 1 1
Supply, total : 7,312 8,187 8,676 +260 to -260
Feed : 3,709 4,187 4,350 +300 to -300
Food, seed, & ind. : 551 575 590
Domestic, total : 4,260 4,762 4,940 +300 to -300
Exports : 1,948 2,140 2,500 +150 to -150
Use, total : 6,208 6,902 7,440 +400 to -400
Ending stocks : 1,104 1,285 1,236 +200 to -200
Avg. farm price 3/ : 2.02 2.20 2.35-2.65

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.

SORGHUM, BARLEY AND OATS 1/

Commodity : 1977/78 : 1978/79 : 1979/80
: : Estimated : Proj. : Prob. variab.2/

SORGHUM: : Bushels
Yield/harv. acre : 56.3 55.1 63.0
: Million bushels
Beginning stocks : 91 191 159
Production : 793 748 817 +40 to -40
Imports :
Supply, total : 884 939 976 +40 to -40
Feed : 473 573 560 +30 to -30
Food, seed, & ind. : 7 7 7
Domestic, total : 480 580 567 +30 to -30
Exports : 213 200 250 +30 to -30
Use, total : 693 780 817 +45 to -45
Ending stocks : 191 159 159 +45 to -45
Avg. farm price 3/ : 1.82 2.00 2.20-2.45

BARLEY: : Bushels
Yield/harv. acre : 43.9 48.4 48.9
: Million bushels
Beginning stocks : 126 172 227
Production : 420 447 364
Imports : 9 10 10
Supply, total : 555 629 601
Feed : 168 206 205 +25 to -25
Food, seed, & ind. : 158 170 170
Domestic, total : 326 376 375 +25 to -25
Exports : 57 26 50 +20 to -20
Use, total : 383 402 425 +40 to -40
Ending stocks : 172 227 176 +30 to -30
Avg. farm price 3/ : 1.78 1.90 2.20-2.40

OATS: : Bushels
Yield/harv. acre : 55.8 52.2 53.1
: Million bushels
Beginning stocks : 165 311 289
Production : 751 601 531
Imports : 2 1 1
Supply, total : 918 913 821
Feed : 512 533 530 +50 to -50
Food, seed, & ind. : 84 78 80
Domestic total : 596 611 610 +50 to -50
Exports : 11 13 10 +2 to -2
Use, total : 607 624 620 +50 to -50
Ending stocks : 311 289 201 +35 to -35
Avg. farm price 3/ : 1.10 1.18 1.25-1.45

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.

WHEAT AND RICE 1/

 Commodity : 1977/78 : 1978/79 : 1979/80
 : : Estimated: Proj.: Prob. variab. 2/

WHEAT:
 Area : Million acres
 Planted : 75.1 66.1 71.2
 Harvested : 66.5 56.8 62.2
 Yield per harv. : Bushels
 acre : 30.6 31.6 34.0
 : Million bushels
 Beginning stocks : 1,112 1,177 925
 Production : 2,036 1,799 2,114 +25 to -25
 Imports : 2 1 2
 Supply, total : 3,150 2,977 3,041 +25 to -25
 Food : 586 591 595 +5 to -5
 Seed : 80 87 95 +5 to -5
 Feed and residual : 183 180 100 +30 to -30
 Domestic, total : 849 858 790 +35 to -35
 Exports : 1,124 1,194 1,400 +100 to -100
 Use, total : 1,973 2,052 2,190 +110 to -110
 Ending stocks : 1,177 925 851 +110 to -110
 Avg. farm price 3/ : 2.33 2.94 3.60-3.90
 RICE (rough):
 Area : Million acres
 Allotment : 1.80 1.80 1.80
 Planted : 2.26 3.00 3.05
 Harvested : 2.25 2.98 3.02
 Yield per harv. : Pounds
 acre : 4,412 4,493 4,568
 : Million cwt.
 Beginning stocks : 40.5 27.4 31.6
 Production : 99.2 133.8 137.8 +3 to -3
 Imports : .1 .1
 Supply, total : 139.8 161.3 169.4 +3 to -3
 Domestic : 37.7 48.0 50.5 +2 to -2
 Exports : 72.8 76.9 83.0 +5 to -5
 Use, total : 110.5 124.9 133.5 +6 to -6
 Ending stocks : 27.4 31.6 35.9 +6 to -6
 Dif. unactd. : +1.9 +4.8
 Avg. farm price 3/ : 9.49 8.00 8.75-9.75

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.

The Agricultural Supply and Demand Estimates Tables were prepared
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Conversion Factors

Bushels to metric tons

Wheat & soybeans = bushels x .027216
Barley = bushels x .021772
Corn, sorghum,
rye = bushels x .025401
Oats = bushels x .014515

Area

1 acre = .404694 hectares

1 hectare = 2.4710 acres

480 lb. bales to metric tons

Cotton = bales x .217727

Cwt. to metric tons

Rice = cwt. x .0453592

Kilograms to pounds

Kilogram = 2.2046 pounds