

Feed Situation

Economics and
Statistics Service

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Approved by the
World Food and
Agricultural Outlook
and Situation Board



TABLE 1.--FEED GRAINS: MARKETING YEAR SUPPLY, DISAPPEARANCE, AREA AND PRICES, 1976-80^{1/}
(CORN, SORGHUM, OATS, BARLEY)

YEAR 2/	SUPPLY				DISAPPEARANCE				ENDING STOCKS			
	BEGIN- ING STOCKS	PRODUC- TION	IM- PORTS	TOTAL	DOMESTIC USE				PORTS	DISAP- PEARANCE	TOTAL	PRIV- ATE OWNED
					FOOD	ALCO- HOL BEVER- AGES	SEED	RESID- UAL				
MILLION METRIC TONS												
1976/77	17.2	193.5	0.3	211.0	11.5	4.8	1.6	112.6	130.5	50.6	181.1	---
1977/78	29.9	203.4	0.3	233.6	12.5	4.0	1.5	117.3	136.1	56.3	192.4	0.7
1978/79	41.2	217.4	0.3	258.9	13.2	5.1	1.4	133.1	152.8	60.2	213.0	3.7
1979/80 5/	45.8	233.9	0.3	280.0	14.1	5.4	1.4	135.9	156.8	71.3	228.1	7.7
1980/81*	51.9	192.3	0.3	244.5 (+ 5)	16.8	5.1	1.3	126.5 (+ 9)	149.7 (+ 9)	72.9	222.6 (+ 13)	21.9 (+ 7 - 5)
AREA												
NAT. PROGRAM	SET-ASIDE AND DIVERTED				HARVESTED FOR GRAIN				PER HECTARE	AVERAGE PRICE RECEIVED BY FARMERS	TOTAL PAYMENTS TO PARTICIPANTS	Govt. Support Program
MILLION HECTARES --												
METRIC TONS												
1976/77	36.0	---		52.1	43.0	4.50				182	7/ 225	
1977/78	36.0	---		52.2	43.7	4.65				176	8/ 570	
1978/79	39.4	3.4		49.7	42.3	5.14				196	9/ 1,023	
1979/80 5/	44.3	1.9		47.6	41.0	5.70				218	9/ 248	
1980/81	41.4	---		48.9	40.3	4.77				8/ 366		

1/ AGGREGATED DATA ON CORN, SORGHUM, OATS, AND BARLEY. 2/ THE MARKETING YEAR FOR CORN AND SORGHUM BEGINS OCT. 1, JUNE 1 FOR OATS AND BARLEY. 3/ UNCOMMITTED INVENTORY. 4/ INCLUDES TOTAL GOVERNMENT LOANS (ORIGINAL AND RESEAL). 5/ PRELIMINARY. 6/ EX-CLUSES SUPPORT PAYMENT. 7/ DISASTER PAYMENT. 8/ DEFICIENCY AND DISASTER PAYMENT. 9/ DEFICIENCY, DISASTER, AND DIVERSION PAYMENTS. *REFLECTS CRB ESTIMATE OF 'ROOT MEAN SQUARE ERROR' FOR PRODUCTION AND COMPARABLE ESTIMATES OF VARIABILITY FOR OTHER ITEMS. CHANCES ARE ABOUT 2 OUT OF 3 THE FINAL OUTCOME WOULD FALL WITHIN THE RANGES.

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Situation Coordinator
Walter Spilka, Jr.
(202) 447-8776

Principal Contributors
George Allen (202) 447-8444
George Rockwell, Jr. (202) 447-8444
Walter Spilka, Jr. (202) 447-8776

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U.S. Department of Agriculture
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SUMMARY

Feed Grain Prices Higher; U.S. Crop Prospects Reduced

Diminished U.S. crop prospects and the outlook for continued strong domestic and foreign demand will keep feed grain prices in 1980/81 well above 1979/80 and possibly at record levels. Corn prices are expected to average \$3.30 to \$3.75 per bushel, compared with \$2.50 last year. The previous season high corn price was \$3.03 per bushel in 1974/75.

Concern about future feed grain availabilities are mirrored in recent farm prices. The average farm price of corn is currently around \$3.15 per bushel, compared with the mid-September price of \$3.03 per bushel and a year-earlier October price of \$2.41. Sorghum prices currently are around \$3.10 per bushel, compared with the mid-September price of \$2.92 and \$2.18 a year ago.

Hot, dry weather during the summer severely reduced feed grain crop prospects in most of the major producing areas of the United States. The U.S. corn yield is expected to be down nearly 19 bushels per acre from last year's record of 109 bushels, with yield reductions of 16 to 34 bushels expected in the

major corn producing States of Illinois, Indiana, Iowa, and Nebraska. Sorghum yields nationally are projected to be down nearly 18 bushels per acre, while barley and oat yields may be down about 3 to 4 bushels from last year.

Total 1980 U.S. feed grain production (corn, sorghum, barley, and oats) is forecast at 192 million metric tons, down 18 percent from last year's record high 234 million metric tons. Total feed grain supply should be 244 million metric tons, 13 percent below the 1979/80 level.

The 1980 U.S. corn crop, based on October 1 conditions, is forecast at 6.47 billion bushels (164 million metric tons), 17 percent below the record 1979 crop of 7.8 billion bushels (198 million metric tons). With larger carryin stocks of 1.6 billion bushels (41 million metric tons), the total corn supply in 1980/81 should be just over 8 billion bushels (205 million metric tons), down about a tenth from 1979/80. Total disappearance should be a record 7.46 billion bushels (190 million metric tons), virtually unchanged from 1979/80. Prospects for record exports and the likelihood of record use of corn for food, seed, and industrial purposes are contributing to the disappearance

outlook. Ending stocks in 1980/81 should decline to about 600 million bushels (15 million metric tons), more than 60 percent below the 1979/80 level. The stock level is 8 percent of expected utilization, compared with 21 percent in 1979/80 and the record low of 7 percent in 1975/76.

Sorghum production, as of October 1, is estimated at 547 million bushels (13.9 million metric tons), a 33-percent decline from 1979/80. With much tighter sorghum supplies this year, both domestic use and exports will likely fall sharply. Ending stocks should decline to 71 million bushels (1.8 million metric tons).

Feed grain disappearance will total about 223 million metric tons, down 2 percent from 1979/80. The reduction in disappearance mainly reflects an expected 7-percent cutback in feed use. Tighter feed supplies, higher grain prices, and an expected substantial reduction in pork production point to lower feeding this year. Disappearance should exceed production by nearly 30 million tons, leaving a carryover—at 22 million tons—nearly 60 percent below 1979/80.

Currently, corn, sorghum, and barley are in release status in the farmer-owned reserve. Oats have been called from the reserve and producers have 90 days from notification of call to repay their loans or for-

feit their grain to the Commodity Credit Corporation. As of October 22, there were 602 million bushels (15.3 million metric tons) of corn, 12 million bushels (0.3 million metric tons) of sorghum, and 10 million bushels (0.2 million metric tons) of barley in the reserve.

Coarse grain production outside the United States in 1980/81 is projected to be up 30 million metric tons from the 1979/80 level of 493 million. Larger crops have been harvested in Canada and Western Europe, while smaller crops are expected in Australia and Eastern Europe. World coarse grain trade is expected to rise 1 million metric tons in 1980/81 (July/June) to 101 million metric tons. U.S. exports are likely to increase around 2 million tons to 73 million with increase also expected in Argentina and South Africa. The U.S. share of the world's coarse grain trade is expected to be 72 percent in 1980/81, about the same as last year.

A 13-percent smaller U.S. hay crop has sharply reduced hay availability and will lead to the smallest May 1 carryover since 1965. Average pasture and range conditions are currently rated far below the same time last year. Smaller availability and higher prices point to a 5- to 7-percent decline in soybean meal feed consumption in 1980/81.

SITUATION AND OUTLOOK FOR FEED GRAINS

Corn

1980/81 Supply Smaller; Use to be Record Large

The corn crop was forecast as of October 1 at 6.47 billion bushels, 17 percent below the record 1979 crop of 7.76 billion bushels. Acreage for harvest as grain was forecast at 71.2 million acres, fractionally larger than last year's harvested acreage. Yield per harvested acre was forecast at 90.8 bushels, sharply below last year's record yield of 109.4 bushels and the 1978 yield of 100.8 bushels. Most of the reduction in yield was due to drought and unusually high temperatures in several major producing States including Illinois, Indiana, Iowa, Nebraska and most of the Southeast. In contrast, yields were record high in Wisconsin, Michigan, and Ohio where moisture was adequate throughout most of the growing season.

A crop of this size and the October 1 old-crop carryover of 1,597 million bushels, largest since 1962, put the corn supply at 8,065 million bushels for 1980/81, 11 percent less than the 1979/80 record large supply. Corn disappearance during 1980/81, is projected to be around 7,465 million bushels, slightly

above the 1979/80 level. Domestic use is expected to be down about 3 percent from 1979/80 with an expected reduction in hog feeding and no growth in poultry feeding being partially offset by an increase in food, seed, and industrial uses. Larger use of corn for high fructose syrup and gasohol will likely boost total food, seed and industrial use to 715 million bushels in 1980/81, 90 million bushels above 1979/80. Exports are projected at 2,550 million bushels, 6 percent larger than 1979/80's record.

Prices to be Higher in 1980/81

Supply and use at these levels would leave carryover stocks of about 600 million bushels on October 1, 1981, a billion bushels below the year earlier level, and the smallest carryover since 1975/76. Prices at the farm in 1980/81 are likely to average \$3.30 to \$3.75 per bushel, compared with \$2.50 in 1979/80, and the previous record of \$3.03 per bushel in 1974/75. Prices are expected to reach call levels for corn in the farmer-owned reserve and all corn in the reserve is likely to be withdrawn. The carryover stock of 600 million bushels is expected to be entire-

ly free stocks as the CCC inventory of 260 million bushels will likely be sold during the marketing year. The CCC inventory consists mainly of grain purchased to offset the effects of the January 1980 suspension of exports to the USSR. CCC stocks cannot be sold back into the market at less than \$3.42 per bushel (105 percent of the \$3.26 per bushel call price) except corn used for gasohol production which may be sold at the release price of \$2.81 per bushel.

Grain Reserve Corn Continues In Release Status

As of October 1, corn in the farmer-owned reserve was still in release status and producers could continue to redeem their grain from the reserve without penalty. Storage payments to farmers for corn in the reserve were discontinued in all States except Montana, North Dakota, and South Dakota, where mid-month prices were below the reserve release level.

Sorghum

Crop and Supply Down a Third; Prices Strengthen

Sorghum production was forecast as of October 1 at 547 million bushels, a third less than the 1979 crop. This reduction reflects the drought and record high temperatures in the major producing States last summer. Planted acreage at 15.8 million acres, was 3 percent larger than last year, but acreage to be harvested for grain was estimated at 12.1 million acres, 6 percent less than in 1979 and 10 percent less than in 1978. Average yield per harvested acre was estimated at 45 bushels, compared with the 1979 record of 62.9 bushels and 55.1 bushels in 1978.

The 1980/81 sorghum supply of 693 million bushels is nearly a third less than the 1979/80 supply. Both domestic use and exports likely will be about a third smaller than last year because of the short supplies. At these levels, with domestic use of about 370 million bushels and exports of about 250 million bushels, carryover stocks at the end of 1980/81 would be down to a relatively low level of 71 million bushels, the smallest since 1975/76. There would

likely be no sorghum in the farmer-owned reserve; reserve or CCC inventory stocks were 14 million bushels at the end of 1979/80 while CCC inventory totaled 44 million bushels.

Prices To Strengthen

In mid-September, sorghum farm prices averaged \$2.92 per bushel (\$5.22 per cwt.) compared with \$2.37 (\$4.24 per cwt.) in September 1979. This was well above the farmer-owned reserve release level of \$2.68 (\$4.78 per cwt.) but below the call price of \$3.10 (\$5.54 per cwt.). Farmers, therefore, could continue to redeem their sorghum from the reserve without penalty through October. Storage payments for sorghum in the reserve have been stopped in all States except Minnesota and South Dakota—where average prices received by farmers in these two States are below the release level.

Sorghum prices at the farm are expected to average \$3.20 to \$3.60 per bushel in 1980/81, compared with \$2.35 in 1979/80.

Barley

Crop Down; Total Use Nearly Matches 1979/80

The 1980 barley crop was 352 million bushels, 7 percent less than the 1979 crop. The reduction in the crop was due mainly to lower yields in the Dakotas and Minnesota. The national average yield of 47.7 bushels per harvested acre is down from 1979's record yield of 50.6 bushels. Total harvested acreage was 7.37 million, 1 percent below last year.

The barley supply for 1980/81 is estimated at 554 million bushels, 11 percent less than last year. Feeding of barley is expected to total about 185 million bushels, down from last year's 202 million. Food, seed, and industrial uses likely will total around 172 million bushels, virtually the same as the 170 million in 1979/80. Exports, however, may be around 75 million bushels, compared with 55 million last year.

Total disappearance would be about 432 million bushels, compared with 427 million in 1979/80. This would put carryover stocks at the end of 1980/81 at about 122 million bushels, down from 192 million bushels at the end of 1979/80.

Prices Strengthen

Farm prices of barley in mid-September averaged \$2.63 per bushel compared with \$2.33 last September. Prices for feed barley in the Minnesota, North Dakota, and South Dakota area were \$2.06 in mid-September. Barley currently is in release status and farmers may remove their grain from the reserve. Prices are expected to strengthen and will likely average \$2.60 to \$2.80 per bushel in 1980/81, compared with \$2.31 in 1979/80.

Oats

Supply Smaller; Prices Higher

The 1980 oats crop is forecast at 451 million bushels, 16 percent below 1979 and 24 percent less than 1978.

The oat supply for 1980/81 is estimated at 692 million bushels, compared with 822 million for 1979/80. Feeding use will be about 450 million bushels, down from last year's 498 million bushels. Exports likely will be about 10 million bushels, up from 4 million last year. Thus, use would total about 540 million bushels, compared with 582 million in 1979/80. Car-

ryover on May 31, 1981, would be about 150 million bushels, off from 240 million the year before.

Prices of oats at the farm likely will average \$1.60 to \$1.80 per bushel in 1980/81, compared with \$1.36 in 1979/80.

Oats were called from the farmer-owned reserve on September 17 when prices received by farmers had been above the \$1.68 per bushel call level for 5 consecutive days. Calling loans on oats in the reserve means farmers have 90 days from the date of notification of the call to repay their CCC reserve loans or forfeit the grain to CCC.

DOMESTIC FEED SITUATION

Total feed concentrates fed in 1980/81 (October/September) likely will be slightly more than 168 million metric tons, compared with 181 million in 1979/80. Corn feeding is estimated down 5.8 million tons while feed wheat and rye feeding is expected to increase by 0.8 million tons. Sorghum feeding, may be down a fourth, while oats, and barley could drop a tenth. Soybean meal feed consumption may show a decline of 5 to 7 percent reflecting higher prices and lower crush supplies. A cost-price squeeze on livestock and poultry producers suggest a substantial decline in feeding of feed grains and protein supplements in 1980/81. Price rationing for some feed proteins may encourage greater use of non-protein nitrogen, such as urea, for beef and dairy, which could help relieve upward price pressure on conventional protein feeds.

Corn is expected to make up 64 percent of total concentrates fed during 1980/81, compared with 62 percent in 1979/80 because of smaller supplies of other feed grains. Feed grains will total slightly more than three-fourths of total concentrates fed during 1980/81, about the same as for 1979/80. High-protein feed ingredients fed are expected to total slightly less than 22 million metric tons during 1980/81, about 4 percent less than a year earlier.

Current indications are that hog feed use in 1980/81 may be slightly more than 47 million metric tons, compared with 56 million in 1979/80. This would represent 28 percent of total projected feed concentrates fed. Pork production during the first half of the feeding year is expected to be 6 percent or more below a year earlier, while production in the second half may be 6 to 10 percent less than a year earlier. Average slaughter weights during 1980/81 are expected to be below the 1979/80 average slaughter weights, reflecting higher prices for feed concentrates.

Broiler production will probably continue to hold near the year earlier level during the first half of the feeding year before turning up slightly in the

second half. As a result, output for all of 1980/81 may be about the same as in 1979/80.

Laying hens and replacements will likely consume about 20 million metric tons of feed concentrates during 1980/81, about one million less than last year.

Dairy animals are expected to consume almost 30 million metric tons of feed concentrates during 1980/81, compared with 29 million tons last year. In many areas, good quality roughage feeds are in short supply which will make additional concentrate feeding necessary.

Although cattle on feed placements during 1980/81 are expected to be well above year-earlier levels, concentrates fed may actually be below 1979/80 levels. A larger share of cattle feedlot rations during 1980/81 are expected to consist of roughage feeds. And, most of the additional roughage will consist of corn and sorghum silage that was salvaged prior to and during the extremely hot, dry 1980 summer. With lower energy feed rations, time on feed will probably be longer for cattle placed on feed during 1980/81. However, in many areas late summer and fall rains have improved some pastures sufficiently so that many animals may enter feedlots at heavier weights, which would tend to reduce number of days-on-feed prior to finish weights. Like hogs, average slaughter weights for fed cattle during 1980/81 can be expected to average below the average slaughter weights of a year earlier.

Roughage Feeds

Pasture and range feed conditions, as of October 1, 1980, were in sharp contrast to year-earlier conditions. The U.S. average pasture-range index for October 1980 was 63—rated very poor; for October 1, 1979, the index was 81—rated good to excellent. September rains did not bring significant improvement, in part, much of the rainfall came in hard showers and penetration was limited. Cooler air finally pushed the heat wave of 1980, which began in mid-

June, out by the end of September. As fall weather approached, normal wheat pasture supplies were extremely limited and young stocker calves will have to be fed from silage and hay stocks. This, plus earlier hand roughage feeding, may mean some beef calves will enter feed lots at lighter weights, while other calves, earmarked for small grain fall pasturing, may be held for later marketings by cow-calf producers.

Total hay supplies of 144 million metric tons for 1980/81 are well below the record 160 million tons in 1979/80. With the anticipated increase in hay feeding during 1980/81, coupled with the 1980 production decline of nearly 18 million tons, May 1, 1981 stocks may be down to about 15 million metric tons, the smallest carryover stocks since 1965. Sep-

tember 15, 1980 hay prices received by farmers averaged 19 percent above September last year and were nearly 3.5 percent above August 1980 price levels.

Alfalfa hay made up 62 percent of total harvested hay in 1980, with an average acre yield of 2.9 tons compared with the 1979/80 average yield of 3.2 tons. This 9-percent drop in the alfalfa hay yield reflects the ability of alfalfa to withstand prolonged drought. All-other-hay acre yield dropped 15 percent in 1980 from the 1979 level.

Early reports indicate more corn and sorghum silage was produced during 1980 than in 1979. If early indications are correct, then the harvested roughage supply may provide sufficient cushion for extended hand feeding of roughage feeds without serious drawdown on carryover stocks.

WORLD GRAIN SITUATION

World Coarse Grain Crop to Decline

World 1980/81 coarse grain production is currently estimated at 716 million metric tons, a decrease of nearly 2 percent from 1979/80. Though a smaller crop is expected in the United States, foreign production is expected to be up 6 percent. Canada's production of nearly 22 million metric tons will be an increase of 16 percent over 1979/80 while Western Europe's crop is up 4 percent. Argentina's crop is now forecast at over 17 million metric tons, an increase of nearly 60 percent from 1979's drought stricken production. Slightly smaller crops are expected in Australia, South Africa, Thailand, and Eastern Europe.

Major Coarse Grain Producers

Country	Year Beginning October		
	1978	1979	1980
Million metric tons			
Canada	20.3	18.6	21.6
Australia	7.1	6.3	5.3
Argentina	17.2	10.7	17.1
South Africa	8.8	11.0	10.2
Thailand	3.3	3.6	3.5
Brazil	16.6	20.1	20.5
Western Europe	94.0	90.6	94.3
USSR	105.3	80.0	93.0
Eastern Europe	60.4	63.4	60.8
U.S.	218.1	234.5	192.8
Other	196.8	188.4	196.5
Total	747.9	727.2	715.6

World Grain Trade to Rise Slightly

World trade in coarse grains is expected to rise slightly in 1980/81 (July/June) to 101 million metric tons. This represents a slight increase from 1979/80. Increases should occur in the major exporting countries of Argentina, South Africa, and Thailand. Western Europe, with its record crops should also export more grain.

The United States, the world's largest coarse grain exporter, should increase its exports to 73 million metric tons, nearly 2 percent above 1979/80. A lot will depend on the final size of the crops in the Northern and Southern Hemisphere. The Australian crop is being stressed by dry conditions which should reduce their export availability, particularly of barley. As the Soviet Union purchases grain from other exporters, the United States stands to gain additional export markets. The United States should maintain a 72-percent share of the world coarse grain trade in 1980/81.

Among the major coarse grain importers, Japan and Mexico are expected to increase their imports from 1979/80. The Soviet Union and Western Europe are expected to decrease their coarse grain imports.

Major Coarse Grain Exporters and Importers¹

Item	Year Beginning July		
	1978	1979 ²	1980 ³
Million Metric Tons			
Major Exporters:			
Canada	3.9	4.9	4.0
Australia	2.5	4.2	2.4
Argentina	11.5	6.6	7.9
South Africa	2.9	2.8	3.7
Thailand	2.3	2.1	2.3
Western Europe	6.1	5.1	5.3
USSR	1.0	0.0	0.0
U.S.	56.9	71.6	73.0
Other	2.5	2.9	2.7
Total	89.6	100.2	101.3
Million Metric Tons			
Major Importers:			
Western Europe	24.2	24.1	23.5
USSR	9.9	18.5	15.5
Japan	17.9	18.9	19.1
Eastern Europe	9.7	11.1	10.7
China	3.1	1.9	2.0
Other	24.8	25.7	30.5
Total	89.6	100.2	101.3

¹ Coarse grains are corn, oats, sorghum, barley, rye, millet, and mixed grains. ² Preliminary. ³ Projected as of October 15, 1980.

TABLE 2--CORN: MARKETING YEAR SUPPLY, DISAPPEARANCE, AREA AND PRICES, 1976-80

YEAR BEGINNING OCT. 1	SUPPLY				DISAPPEARANCE				ENDING STOCKS SEPT. 30			
	DOMESTIC USE		FEED & SEED		PORTS		GOV. OWNED		PRIV. OWNED		TOTAL	
	BEGIN- NING STOCKS	PRODUC- TION	IM- PORTS	TOTAL	FOOD	ALCO.	RESID- UAL	PEARNCF	1/	2/	1/	2/
MILLION BUSHELS												
1976/77	399.1	6,266.4	2.5	6,668.0	419.5	73.9	19.9	3,586.5	4,090.8	1,684.1	5,733.9	---
1977/78	884.1	6,425.5	2.6	7,312.2	462.5	70.4	18.0	3,709.5	4,260.4	1,947.8	6,208.2	13.1
1978/79	1,010.0	7,086.7	1.2	8,191.9	487.7	69.3	18.0	4,198.1	4,773.1	2,133.1	6,906.2	99.7
1979/80 3/	1,285.7	7,763.8	1.0	9,050.5	523.0	81.0	20.1	4,396.4	5,020.5	2,432.6	7,453.1	256.3
1980/81*	1,597.4	6,466.6	1.0	8,065.0	625.2	70.0	19.8	4,200.0	4,915.0	2,550.0	7,455.0	600.0
	(± 220)	(± 220)			(± 300)	(± 335)	(± 200)	(± 315)	(± 450)	(± 200)	(+ 200 - 100)	
AREA												
YIELD				AVERAGE PRICES				GOVT. SUPPORT PROGRAM				
NAT. PROGRAM	SET- ASIDE	HAR- VESTED	PER ACRE	RECEIVED BY	CHICAGO	OMAHA	GULF PORT	NO. 2 NO. 2	NATIONAL AVG.	TARGET PRICE	TO PARTI- CIPANTS	TOTAL MIL. DOL.
PROGRAM	PLANTED	FOR GRAIN		HARVESTED BY FARMERS		NO. 2 YELLOW		;	;	;	;	
	DIV- ERTED			4/								
MILLION ACRES				BUSHELS				DOLLARS PER BUSHEL				
1976/77	5/	---	84.4	71.3	87.9	2.15	2.30	2.15	2.50	1.50	1.57	6/ 181
1977/78	60.9	---	83.6	70.9	90.7	2.02	2.26	2.08	2.51	2.00	2.00	6/ 281
1978/79	76.2	6.1	80.1	70.3	100.8	2.25	2.54	2.28	2.81	2.00	2.10	7/ 683
1979/80 3/	85.7	2.9	80.0	71.0	109.4	2.50	2.81	2.49	3.02	2.10	2.20	8/ 127
1980/81	81.7	---	83.5	71.2	90.8	3.30-3.75				2.25	2.35	6/ 275

1/ UNCOMMITTED INVENTORY. 2/ INCLUDES QUANTITY UNDER LOAN AND FARMER-OWNED RESERVE. 3/ PRELIMINARY. 4/ EXCLUDES SUPPORT PAYMENTS 5/ AVAILABLE FOR TOTAL FEED GRAINS ONLY. 6/ DISASTER PAYMENTS. 7/ DEFICIENCY, DISASTER, AND DIVERSION PAYMENTS. 8/ DISASTER AND DIVERSION PAYMENTS. *REFLECTS CRB ESTIMATE OF ROOT MEAN SQUARE ERROR FOR PRODUCTION AND COMPARABLE ABILITY FOR OTHER ITEMS. CHANCES ARE ABOUT 2 OUT OF 3 THE FINAL OUTCOME WOULD FALL WITHIN THE RANGES.

TABLE 3---SCRGHUM: MARKETING YEAR SUPPLY, DISAPPEARANCE, AREA AND PRICES, 1976-80

YEAR BEGIN- ING CCT. 1	SUPPLY				DISAPPEARANCE				ENDING STOCKS SEPT. 30			
	PRODUC- TION	IM- PORTS	TOTAL	DOMESTIC USE				EX- PORTS	TOTAL	GOVT. OWNED	PRI- VATELY OWNED	TOTAL
				ALCO.	FEED & REVER-	SEED & RESID-	UAL					
MILLION BUSHELS												
1976/77	51.4	719.8	771.2	1.2	2.9	2.2	427.6	433.9	246.1	679.9	---	91.3
1977/78	91.3	793.0	884.3	1.2	3.6	2.1	473.1	480.0	213.5	693.5	13.1	177.7
1978/79	190.8	747.8	938.6	1.5	3.2	2.3	565.6	572.6	206.6	779.2	43.6	115.8
1979/80 3/	159.4	814.3	973.7	1.0	4.2	1.8	495.9	502.9	325.0	827.9	43.9	101.9
1980/81*	145.8	547.0	692.8	1.2	4.5	1.1	365.0	371.8	250.0	621.8	71.0	(+ 15)
		(+ 25)	(+ 25)				(+ 30)	(+ 30)	(+ 25)	(+ 50)		
AREA												
YIELD				AVERAGE PRICES				GOVT. SUPPORT PROGRAM				
NAT. PROGRAM	SET- ASIDE	HAR- VESTED	PER ACRE	RECEIVED:	KANS. CITY	TEXAS	GULF PORTS:	NATIONAL NO. 2 FARMERS	NO. 2 YELLOW	AVG. LOAN RATE:	TARGET PRICE:	PAYMENTS TO PARTICI- PANTS
DTI- ERTED	PLANTED	VESTED	GRAIN	BY				4/				MIL. DOL.
MILLION ACRES				BUSHELS				DOLLARS PFR CUT*				
1976/77	5/	18.4	14.7	48.9	3.62	3.49	3.64	4.11	2.55	2.66	7/ 34	
1977/78	16.4	17.0	14.1	56.3	3.25	3.54	3.88	4.16	3.39	4.07	7/ 168	
1978/79	13.7	16.5	13.6	55.1	3.61	4.00	4.39	4.65	3.39	4.07	8/ 243	
1979/80 3/	15.9	15.4	12.9	62.9	4.20	4.64	4.97	5.54	3.57	4.18	8/ 99	
1980/81	12.3	15.8	12.1	45.0	5.71	6.43			3.82	4.46	6/ 60	

1/ UNCOMMITTED INVENTORY. 2/ INCLUDES QUANTITY UNDER LOAN AND FARMER-OWNED RESERVE. 3/ PRELIMINARY. 4/ EXCLUDES SUPPORT PAYMENTS. 5/ AVAILABLE FOR TOTAL FEED GRAINS ONLY. 6/ DISASTER PAYMENTS. 7/ DEFICIENCY AND DISASTER PAYMENTS. 8/ DEFICIENCY, DISASTER, AND DIVERSION PAYMENTS. *REFLECTS CRB ESTIMATE OF 'ROOT MEAN SQUARE' ERROR FOR PRODUCTION AND COMPARABLE ESTIMATES OF VARIABILITY FOR OTHER ITEMS. CHANGES ARE ABOUT 2 OUT OF 3 THE FINAL OUTCOME WOULD FALL WITHIN THE RANGES.

TABLE 4.--BARLEY: MARKETING YEAR SUPPLY, DISAPPEARANCE, AREA AND PRICES, 1976-80

YEAR BEGINNING JUNE 1	SUPPLY			DISAPPEARANCE			ENDING STOCKS MAY 31					
	BEGIN- NING STOCKS	PRODUC- TION	IM- PORTS	TOTAL	ALC.	FEED & SEED	RESID- UAL AGES	EX- PORTS	TOTAL DISAP- PEARANCE	GOVT. OWNED 1/ 2/	PRI- VATELY OWNED 1/ 2/	TOTAL
MILLION BUSHELS												
1976/77	127.9	372.5	10.8	511.2	8.6	131.5	17.9	161.3	319.3	66.2	385.5	---
1977/78	125.7	420.2	9.4	555.3	8.6	133.1	16.3	168.0	326.0	57.2	383.2	---
1978/79	172.1	449.2	10.5	631.8	8.6	147.5	14.7	206.6	377.4	25.7	403.1	2.5
1979/80 3/	228.7	378.1	11.8	618.6	8.6	147.9	13.5	202.1	372.1	54.8	426.9	3.2
1980/81*	191.7	351.6	10.6	523.9	8.6	149.3	14.0	185.0	356.9	75.0	431.9	1.22
								(+ 25)	(+ 25)	(+ 20)	(+ 40)	(+ 20)
AVERAGE PRICES												
DOLLARS PER BUSHL												
MIL. DOL.												
GOVT. SUPPORT PROGRAM												
NAT. PROGRAM	SET- ASIDE	HAR- VESTED	PER HARVESTED	RECEIVED BY	MINNEAPOLIS	PORTLAND	NATIONAL NO. 2 OR BETTER	NO. 3 OR WESTERN FEED	PORTLAND NO. 2 BETTER FEED	PORTLAND NO. 2 BETTER FEED	GOVT. PRICE AVG. LOAN RATE	TOTAL PAYMENTS
1976/77	5/	---	9.2	8.3	44.9	2.25	2.35	3.13	2.49	1.22	1.28	7/ 10
1977/78	11.7	---	10.6	9.6	43.9	1.78	1.68	2.27	2.15	1.63	2.15	8/ 121
1978/79	7.5	0.8	10.0	9.2	48.6	1.92	1.80	2.38	2.10	1.63	2.25	9/ 97
1979/80 3/	7.8	0.7	8.1	7.5	50.6	2.31	2.16	2.87	2.69	1.71	2.40	8/ 22
1980/81	8.4	---	8.3	7.4	47.7	2.60-2.80	2.36	6/ 3.31	5/ 2.90	1.83	2.55	8/ 31

1/ UNCOMMITTED INVENTORY. 2/ INCLUDES QUANTITY UNDER LOAN AND FARMER-OWNED RESERVE. 3/ PRELIMINARY. 4/ EXCLUDES "SUPPORT PAYMENTS." 5/ AVAILABLE FOR TOTAL FEED GRAINS ONLY. 6/ JUNE-SEPTEMBER 1980 AVERAGE. 7/ DISASTER PAYMENTS. 8/ DEFICIENCY AND DISASTER PAYMENTS. 9/ DEFICIENCY, DISASTER AND DIVERSION PAYMENTS. *REFLECTS CRB ESTIMATE OF 'ROOT MEAN SQUARE ERROR' FOR PRODUCTION AND COMPARABLE ESTIMATES OF VARIABILITY FOR OTHER ITEMS. CHANCES ARE 2 OUT OF 3 THE FINAL OUTCOME WOULD FALL WITHIN THE RANGES.

TABLE 5---CATS: MARKETING YEAR SUPPLY, DISAPPEARANCE, AREA AND PRICES, 1976-80

YEAR BEGINNING JUNE 1	SUPPLY			DISAPPEARANCE			ENDING STOCKS MAY 31		
	PRODUC- TION	IM- PORTS	TOTAL	DOMESTIC USE	EX- PORTS	TOTAL	GOVT. OWNED	VATELY OWNED	TOTAL
STOCKS	;	;	ALC.	SEED & BEVER- AGES	RESID- UAL	;	;	;	;
MILLION BUSHELS									
1976/77	205.2	546.3	752.9	42.7	---	45.7	490.0	578.4	9.6
1977/78	164.9	750.9	918.0	42.7	---	41.2	511.2	595.1	12.3
1978/79	310.6	595.9	907.2	42.0	---	35.8	530.0	607.8	12.7
1979/80 3/	286.7	534.4	822.0	43.4	---	36.6	498.3	578.3	4.1
1980/81*	239.6	450.7	691.8	45.6	---	34.2	450.0	529.8	10.0
					(± 25)	(± 25)	(± 25)	(± 5)	(± 25)
AVERAGE PRICES									
AREAS									
SET-	HAR-	RECEIVED	MINEAPOLIS	CHICAGO	PORTLAND	NATIONAL	TARGET	PAYMENTS	TOTAL
NAT.	ASIDE	VESTED	FOR	BY	;	NO. 2	NO. 2	PRICE	PRICES
PROGRAM	AND	PLANTED	HARVESTED	ACRE	;	WHITE	WHITE	LOAN RATE	TO PARTI-
4/	DIV.	4/	GRAIN	;	;	HEAVY	HEAVY	;	PARTS 4/
MILLION ACRES									
BUSHELS									
DOLLARS PER BUSHEL									
1976/77	---	16.7	11.9	45.7	1.56	1.74	1.80	1.71	0.72
1977/78	---	17.7	13.5	55.8	1.10	1.27	1.44	1.36	1.03
1978/79	---	16.2	11.4	52.2	1.20	1.43	1.79	1.37	1.03
1979/80 3/	---	14.1	9.8	54.4	1.36	1.57	1.87	1.60	1.08
1980/81	---	13.2	8.9	50.9	1.60-1.80	1.76	2.16	1.84	1.16
WIL. DOL.									

1/ UNCOMMITTED INVENTORY. 2/ INCLUDES QUANTITY UNDER LOAN AND FARMER-OWNED RESERVE. 3/ PRELIMINARY. 4/ NOT INCLUDED IN THE PROGRAM. 5/ EXCLUDES SUPPORT PAYMENTS. 6/ JUNE-SEPTEMBER 1980 AVERAGE. *REFLECTS CRB ESTIMATE OF 'ROOT MEAN SQUARE ERROR' FOR PRODUCTION AND COMPARABLE ESTIMATES OF VARIABILITY FOR OTHER ITEMS. CHANCES ARE ABOUT 2 OUT OF 3 THE FINAL OUTCOME WOULD FALL WITHIN THE RANGES.

TABLE 6.--FEED GRAINS: FEED YEAR SUPPLY AND DISAPPEARANCE, SPECIFIED PERIODS: 1975/80 ^{1/}

		SUPPLY		DISAPPEARANCE		ENDING STOCKS	
YEAR AND PERIODS BEGINNING		PRODUC- TION	IM- PORTS	DOMESTIC USE		EX- PORTS	TOTAL
OCT. 1	JAN.-MAR.	TION	PORTS	TOTAL	ALCO.	DISA- PEARANCE	GOU- VERNEMENT OWNED
JUNE-SEPT.	APR.-MAY	STOCKS	STOCKS	FOOD	BEVER- AGES	RESID- UAL	2/
FEED YEAR				AGES			3/
							MILLION METRIC TONS
1975/76							
OCT.-DEC.	26.4	167.2	0.1	193.7	2.8	1.1	55.1
JAN.-MAR.	138.6	---	0.1	138.7	2.8	0.1	51.8
APR.-MAY	86.9	---	0.1	86.9	0.9	1.2	35.6
JUNE-SEPT.	57.1	16.0	0.1	73.2	3.6	1.7	17.3
FEED YEAR	26.4	183.2	0.3	209.9	11.0	4.7	115.3
1976/77							
OCT.-DEC.	27.0	177.4	4/	204.4	2.7	1.0	37.1
JAN.-MAR.	148.6	---	0.1	148.7	2.7	1.1	33.1
APR.-MAY	99.0	---	0.1	99.1	2.0	0.9	16.7
JUNE-SEPT.	70.0	20.0	0.2	90.0	4.0	1.7	24.8
FEED YEAR	27.0	197.4	0.4	224.8	11.4	4.7	112.7
1977/78							
OCT.-DEC.	43.4	183.3	0.1	226.8	2.9	1.4	39.0
JAN.-MAR.	170.9	---	0.1	171.0	2.9	1.1	34.2
APR.-MAY	120.3	---	0.1	120.3	2.1	1.1	31.6
JUNE-SEPT.	88.5	18.5	0.1	107.1	4.6	1.2	27.1
FEED YEAR	43.4	201.8	0.3	245.5	12.5	4.8	117.9
1978/79							
OCT.-DEC.	52.7	199.0	0.1	251.8	3.2	1.2	44.0
JAN.-MAR.	190.4	---	0.1	190.5	3.0	1.2	38.3
APR.-MAY	135.0	---	0.1	135.2	2.3	0.9	21.2
JUNE-SEPT.	99.4	16.0	0.1	115.5	4.7	1.7	30.1
FEED YEAR	52.7	215.0	0.4	268.1	13.2	5.0	1.4
1979/80 ^{5/}							
OCT.-DEC.	55.0	217.9	0.1	273.0	3.4	1.2	45.7
JAN.-MAR.	203.4	---	0.1	203.5	3.1	1.2	0.3
APR.-MAY	142.1	---	0.1	142.1	2.3	1.0	0.9
JUNE-SEPT.	105.8	14.2	0.1	120.1	5.3	2.0	1.1
FEED YEAR	55.0	232.1	0.3	287.4	14.1	5.4	1.4

^{1/} DATA MAY NOT ADD TO TOTALS DUE TO INDEPENDENT ROUNDING. ^{2/} UNCOMMITTED INVENTORY. ^{3/} INCLUDES QUANTITY UNDER LOAN AND FARMER-OWNED RESERVE. ^{4/} LESS THAN 50,000 METRIC TONS. ^{5/} PRELIMINARY.

TABLE 7--CORN: MARKETING YEAR SUPPLY AND DISAPPEARANCE, SPECIFIED PERIODS, 1975-80 1/

		SUPPLY						DISAPPEARANCE						ENDING STOCKS					
		YEAR AND PERIODS	BEGINNING STOCKS	PRODUCTION	IM-PORTS	TOTAL	DOMESTIC USE	ALCOHOL	BEVERAGES	RESIDUAL AGES	EXPORTS	DISEASE	PEASANTS	GOVT OWNED	TOTAL OWNED	PRI-2/ TOTAL	END STOCKS		
OCT.	1	361.4	5,829.0	0.6	6,191.0	100.2	16.3	--	1,156.2	1,270.7	453.7	1,724.4	--	4,466.6	4,466.6				
JAN.-MAR.		4,466.6	5	467.1	100.4	157.5	4.0	1,108.1	1,228.2	405.9	1,634.1	--	2,833.0	2,833.0					
APR.-MAY		2,833.0	---	0.1	2,833.1	66.8	14.2	12.1	553.8	666.9	319.4	966.3	--	1,866.8	1,866.8				
JUNE-SEPT.		1,866.8	---	0.6	1,867.4	133.4	24.9	4.0	775.6	955.9	532.4	1,668.3	--	359.1	359.1				
MKT. YEAR		361.4	5,829.0	1.8	6,192.2	398.8	71.1	20.1	3,591.7	4,001.7	1,711.4	5,793.1	--	399.1	399.1				
1976/77																			
OCT.-DEC.		399.1	6,266.4	0.6	6,666.1	98.6	15.4	--	1,164.6	1,278.6	498.0	1,776.6	--	4,889.5	4,889.5				
JAN.-MAR.		4,889.5	---	0.3	4,889.8	98.8	18.2	4.0	1,076.2	1,197.2	399.5	1,596.7	--	3,293.1	3,293.1				
APR.-MAY		3,293.1	---	0.5	3,293.6	74.5	14.8	11.9	555.5	646.7	282.1	928.8	--	2,364.8	2,364.8				
JUNE-SEPT.		2,364.8	---	1.1	2,365.9	147.6	25.6	4.0	800.2	977.3	504.5	1,481.8	--	884.1	884.1				
MKT. YEAR		399.1	6,266.4	2.5	6,668.0	119.5	73.9	19.9	3,586.5	4,099.8	1,684.1	5,783.9	--	884.1	884.1				
1977/78																			
OCT.-DEC.		884.1	6,425.5	0.7	7,310.3	107.2	15.7	--	1,266.1	1,389.0	418.3	1,807.3	0.2	5,502.8	5,503.0				
JAN.-MAR.		5,503.0	---	0.9	5,503.9	108.4	17.0	3.6	1,032.2	1,122.9	414.5	1,626.7	0.2	3,817.0	3,817.0				
APR.-MAY		3,817.2	---	0.3	3,817.5	78.1	13.4	10.8	567.6	669.9	370.2	1,040.1	0.2	2,357.2	2,357.2				
JUNE-SEPT.		2,357.4	---	0.7	2,358.1	168.8	24.3	3.6	792.6	989.3	744.8	1,736.1	13.1	1,090.9	1,090.9				
MKT. YEAR		884.1	6,425.5	2.6	7,312.2	462.5	70.4	18.0	3,709.5	4,260.4	1,697.8	6,208.2	13.1	1,090.9	1,090.9				
1978/79 4/																			
OCT.-DEC.		1,104.0	7,086.7	0.1	8,190.8	119.7	17.1	--	1,397.4	1,534.2	454.0	1,980.2	77.3	6,125.3	6,125.3				
JAN.-MAR.		6,102.6	---	0.4	6,203.0	108.4	16.9	3.6	1,224.5	1,353.4	426.3	1,779.7	98.8	4,324.5	4,324.5				
APR.-MAY		4,323.3	---	0.2	4,323.5	85.0	13.0	10.8	695.3	804.1	387.2	1,191.3	100.6	3,131.6	3,131.6				
JUNE-SEPT.		3,132.2	---	0.5	3,232.7	174.6	22.3	3.6	880.9	1,081.4	865.6	1,947.0	99.7	1,186.0	1,186.0				
MKT. YEAR		1,104.0	7,086.7	1.2	8,191.9	487.7	69.3	18.0	4,198.1	4,773.1	2,013.1	6,06.2	99.7	1,186.0	1,186.0				
1979/80 5/																			
OCT.-DEC.		1,285.7	7,763.8	0.3	9,049.8	124.7	15.9	--	1,173.5	1,614.1	662.9	2,271.0	99.7	6,673.1	6,673.1				
JAN.-MAR.		6,772.8	---	0.3	6,773.1	114.4	17.0	3.6	1,176.1	1,411.1	583.0	1,923.1	101.2	4,678.8	4,678.8				
APR.-MAY		4,780.0	---	0.1	4,780.1	87.0	15.0	13.5	691.8	807.3	385.6	1,192.9	180.5	3,587.2	3,587.2				
JUNE-SEPT.		3,587.2	---	0.3	3,587.5	196.9	33.1	3.0	955.0	1,188.0	802.1	1,990.1	256.3	1,361.1	1,361.1				
MKT. YEAR		1,285.7	7,763.8	1.0	9,050.5	523.0	81.0	20.1	4,396.4	5,020.5	2,432.6	7,453.1	256.3	1,341.1	1,341.1				

1/ DATA MAY NOT ADD TO TOTALS DUE TO INDEPENDENT ROUNDING. 2/ UNCOMMITTED INVENTORY. 3/ INCLUDES QUANTITY UNDER LOAN AND FARMER-OWNED RESERVE. 4/ PRELIMINARY.

5/ ESTIMATED.

TABLE 8.--SORGHUM: MARKETING YEAR SUPPLY AND DISAPPEARANCE, SPECIFIED PERIODS, 1975/80 1/

YEAR AND PERIODS	BEGIN- NING STOCKS	SUPPLY			DISAPPEARANCE			ENDING STOCKS		
		PRODUC- TION	IM- PORTS	DOMESTIC USE			PORTS	DISP- PEARANCE:	TOTAL OWNED 2/	PRIV- ATELY OWNED
				FOOD	ALC.	FEED & SEED				
MILLION BUSHELS										
1975/76										
OCT.-DEC.	35.0	753.0	---	788.0	0.3	0.7	250.1	251.1	63.4	314.5
JAN.-MAR.	473.5	---	---	473.5	0.4	0.6	156.4	157.6	68.0	225.6
APR.-MAY	247.9	---	---	247.9	0.1	1.6	71.7	73.8	20.4	54.2
JUNE-SEPT.	153.0	4/	153.0	0.4	0.9	0.7	23.1	25.1	77.2	102.3
MKT. YEAR	35.0	753.0	4/	788.0	1.2	2.8	501.3	507.6	229.0	736.6
1976/77										
OCT.-DEC.	51.4	719.8	---	771.2	0.3	0.7	215.9	216.9	61.8	278.7
JAN.-MAR.	492.5	---	---	492.5	0.4	0.6	111.6	111.8	83.1	195.9
APR.-MAY	296.6	4/	296.6	0.2	0.5	1.3	63.7	65.7	34.4	100.1
JUNE-SEPT.	198.5	---	---	196.5	0.3	0.1	36.0	38.4	66.8	105.2
MKT. YEAR	51.4	719.8	4/	771.2	1.2	2.9	2.1	427.6	433.8	246.1
1977/78										
OCT.-DEC.	91.3	793.0	---	884.3	0.3	0.8	208.3	209.2	56.0	265.2
JAN.-MAR.	619.1	---	---	619.1	0.1	0.9	135.5	136.7	68.0	204.7
APR.-MAY	414.4	---	---	414.4	0.2	0.6	56.4	58.5	35.8	94.2
JUNE-SEPT.	320.1	4/	320.1	0.6	1.3	0.6	73.1	75.6	53.7	129.3
MKT. YEAR	91.3	793.0	4/	888.3	1.2	3.6	2.1	473.1	480.0	213.5
1978/79 5/										
OCT.-DEC.	190.0	747.8	---	938.6	0.3	1.1	249.7	251.1	46.6	297.7
JAN.-MAR.	600.9	---	---	640.9	0.4	0.4	152.4	153.4	68.3	221.7
APR.-MAY	419.2	4/	419.2	0.2	0.4	1.4	66.0	68.0	28.0	96.0
JUNE-SEPT.	323.2	---	323.2	0.6	1.3	0.7	91.5	100.1	63.7	130.5
MKT. YEAR	190.0	747.8	4/	938.6	1.5	3.2	2.3	565.6	572.6	206.6
1979/80 6/										
OCT.-DEC.	159.4	814.3	---	973.7	0.3	1.3	251.7	253.3	74.2	327.5
JAN.-MAR.	666.2	---	---	646.2	0.3	0.9	144.9	143.3	108.5	251.8
APR.-MAY	394.4	---	394.4	0.2	0.3	1.2	56.1	57.8	60.3	118.1
JUNE-SEPT.	276.3	4/	276.3	0.2	1.7	0.4	46.2	48.5	82.0	130.5
MKT. YEAR	159.4	814.3	4/	973.7	1.0	4.2	1.8	495.9	502.9	325.0

1/ DATA MAY NOT ADD TO TOTALS DUE TO INDEPENDENT ROUNDING.
 2/ UNCOMMITTED INVENTORY.
 3/ INCLUDES QUANTITY UNDER LOAN AND FARMER-
 OWNED RESERVE.
 4/ LESS THAN 50,000 BUSHELS.
 5/ PRELIMINARY.
 6/ ESTIMATED.

TABLE 9.--BARLEY: MARKETING YEAR SUPPLY AND DISAPPEARANCE, SPECIFIED PERIODS, 1976-80^{1/}

YEAR AND PERIODS	SUPPLY						DISAPPEARANCE						ENDING STOCKS					
	BEGIN- NING STOCKS	PRODUC- TION		IM- PORTS		TOTAL	DOMESTIC USE			EX- PORTS	GOV. OWNED			PRI- VATELY OWNED	TOTAL			
		FOOD	BEVER- AGES	ALC.	SEED		FEED	AGE'S	PORTS		DIA- PARANCE	2/	3/					
MILLION BUSHELS																		
1976/77																		
JUNE-SEPT.	127.9	372.5	5.6	506.0	2.9	48.2	1.4	77.2	129.7	15.0	144.7	---	---	361.3	361.3			
OCT.-DEC.	361.3	---	1.0	362.1	2.1	28.2	3.5	30.5	63.3	27.8	91.1	---	---	271.2	271.2			
JAN.-MAR.	271.2	---	2.6	273.8	2.1	30.6	4.3	35.8	72.8	12.9	85.7	---	---	188.1	188.1			
APR.-MAY	188.1	---	1.6	189.7	1.5	24.5	9.7	17.8	53.5	10.5	64.0	---	---	125.7	125.7			
MKT. YEAR	127.9	372.5	10.8	511.2	8.6	131.5	17.9	161.3	319.3	66.2	305.5	---	---	125.7	125.7			
1977/78																		
JUNE-SEPT.	125.7	420.2	5.1	551.0	2.9	46.7	1.4	59.9	110.9	34.9	145.8	---	---	405.2	405.2			
OCT.-DEC.	405.2	---	1.8	407.0	2.1	28.2	2.2	30.9	63.9	14.4	77.8	---	---	329.2	329.2			
JAN.-MAR.	329.2	---	1.8	331.0	2.1	32.2	4.3	51.5	90.7	2.3	93.0	---	---	238.0	238.0			
APR.-MAY	238.0	---	0.7	238.7	1.5	25.4	8.4	25.7	61.0	5.6	66.6	---	---	172.1	172.1			
MKT. YEAR	125.7	420.2	9.4	555.3	8.6	133.1	16.3	168.0	326.0	57.2	363.2	---	---	172.1	172.1			
1978/79																		
JUNE-SEPT.	172.1	449.2	2.7	624.0	2.9	52.5	1.2	77.6	134.2	18.8	153.0	0.8	470.2	471.0				
OCT.-DEC.	471.0	---	2.8	473.8	2.1	33.0	2.2	41.5	78.8	4.7	83.5	1.4	388.9	388.9				
JAN.-MAR.	390.3	---	3.0	393.3	2.1	35.5	3.7	55.3	96.6	0.9	97.4	2.3	293.6	293.6				
APR.-MAY	295.5	---	2.0	297.9	1.5	26.5	7.6	32.2	67.8	1.4	69.2	2.5	226.2	226.2				
MKT. YEAR	172.1	449.2	10.5	631.8	8.6	147.5	14.7	206.6	377.4	25.7	403.1	2.5	226.2	226.2				
1979/80 ^{4/}																		
JUNE-SEPT.	228.7	378.1	3.7	610.5	2.9	51.9	1.2	85.7	141.7	9.9	151.6	2.9	456.0	458.9				
OCT.-DEC.	458.9	---	2.8	463.7	2.1	33.5	2.2	38.2	76.0	22.4	98.4	3.1	360.2	363.3				
JAN.-MAR.	363.3	---	3.2	366.5	2.1	32.4	3.9	56.3	94.7	11.1	105.8	3.3	257.4	260.7				
APR.-MAY	266.7	---	2.1	266.8	1.5	30.1	6.2	24.9	59.7	11.4	71.1	3.2	188.5	191.7				
MKT. YEAR	228.7	378.1	11.8	616.6	8.6	147.9	13.5	202.1	372.1	54.8	426.9	3.2	188.5	191.7				
1980/81 ^{5/}																		
JUNE-SEPT.	193.7	351.6	3.5	546.8	3.0	50.0	1.0	79.4	133.4	24.9	158.3	3.4	385.1	388.5				
OCT.-DEC.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
JAN.-MAR.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
APR.-MAY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MKT. YEAR	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

^{1/} DATA MAY NOT ADD TO TOTALS DUE TO INDEPENDENT ROUNDING. ^{2/} UNCOMMITTED INVENTORY. ^{3/} PRELIMINARY. ^{4/} ESTIMATED. ^{5/} FARMER-OWNED RESERVE.^{1/} / INCLUDES QUANTITY UNDER LOAN AND FARMER-OWNED RESERVE. ^{2/} / PRELIMINARY. ^{3/} / ESTIMATED.

YEAR AND PERIODS BEGINNING JUNE 1	SUPPLY			DISAPPEARANCE			ENDING STOCKS		
	PRODUC- TION	PORTS:	DOMESTIC USE		FEED:	SEED:	PORTS:	DISAP- PEARANCE:	GOVT. OWNED:
			FOOD	ALCOHOL					
MILLION BUSHELS									
1976/77									
JUNE-SEPT.	205.2	5	0.1	751.6	14.5	---	2.3	197.5	214.3
OCT.-DEC.	532.9	---	0.1	532.5	10.6	---	2.3	103.4	116.3
JAN.-MAR.	412.5	---	0.6	413.1	10.7	---	9.1	133.7	153.5
APR.-MAY	259.1	---	0.6	259.7	6.9	---	32.0	55.4	94.3
MKT. YEAR	205.2	546.3	1.4	752.9	42.7	---	45.7	490.0	578.4
1977/78									
JUNE-SEPT.	164.9	750.9	1.1	916.9	14.6	---	2.1	220.6	237.3
OCT.-DEC.	676.9	---	0.5	677.4	10.9	---	2.1	92.5	104.6
JAN.-MAR.	565.0	---	0.4	565.4	10.3	---	8.2	126.7	145.2
APR.-MAY	418.7	---	0.2	418.9	6.9	---	2.6	87.8	71.3
MKT. YEAR	164.9	750.9	2.2	918.0	42.7	---	41.2	511.2	595.1
1978/79									
JUNE-SEPT.	310.6	595.9	0.3	906.8	14.8	---	1.9	221.1	237.8
OCT.-DEC.	661.1	---	0.1	661.2	10.4	---	1.9	86.1	98.4
JAN.-MAR.	559.4	---	0.2	559.6	10.8	---	7.7	149.8	168.3
APR.-MAY	390.6	---	0.1	390.7	6.0	---	24.3	73.0	103.3
MKT. YEAR	310.6	595.9	0.7	907.2	42.0	---	35.8	530.0	607.8
1979/80 4/									
JUNE-SEPT.	286.7	534.4	0.3	821.4	14.5	---	2.0	229.5	246.0
OCT.-DEC.	574.5	---	0.2	574.7	11.1	---	1.9	77.3	90.3
JAN.-MAR.	482.5	---	0.2	482.7	11.0	---	7.5	120.1	138.6
APR.-MAY	343.6	---	0.2	343.8	6.8	---	25.2	78.4	102.4
MKT. YEAR	286.7	534.4	0.9	822.0	43.4	---	36.6	498.3	578.3
1980/81 5/									
JUNE-SEPT.	239.6	450.7	0.6	690.9	15.0	---	1.0	195.9	211.9
OCT.-DEC.									
JAN.-MAR.									
APR.-MAY									
MKT. YEAR									

1/ DATA MAY NOT ADD TO TOTALS DUE TO INDEPENDENT ROUNDING. 2/ UNCOMMITTED INVENTORY. 3/ INCLUDES QUANTITY UNDER LOAN AND FARMER-OWNED RESERVE. 4/ PRELIMINARY. 5/ ESTIMATED.

Table 11.--Cash prices at principal markets, 1976-80

1/ Prior to June 1977, No. 3 Feed. 2/ Prior to October 1977, 70% or better plump. *Preliminary.

Source: Grain Market News, AMS, USDA.

Table 12.--Average prices received by farmers, United States, by months, 1976-80

Year beginning	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Average weighted by sales
	<u>Dollars</u>												
<u>CORN, per bushel 2/</u>													
1976	2.33	2.02	2.24	2.34	2.34	2.35	2.31	2.25	2.12	1.88	1.63	1.60	2.15
1977	1.67	1.88	1.97	2.00	2.03	2.15	2.24	2.29	2.28	2.16	2.01	1.98	2.02
1978	1.97	2.02	2.09	2.11	2.18	2.22	2.27	2.35	2.49	2.64	2.54	2.51	2.25
1979	2.41	2.27	2.38	2.45	2.39	2.40	2.36	2.42	2.49	2.73	2.92	*3.03	
1980													
<u>SORGHUM, per 100 pounds 2/</u>													
1976	3.68	3.30	3.51	3.59	3.51	3.55	3.44	3.20	3.12	2.84	2.63	2.52	3.62
1977	2.80	3.03	3.05	3.15	3.20	3.39	3.62	3.66	3.64	3.50	3.37	3.22	3.25
1978	3.35	3.45	3.58	3.54	3.55	3.54	3.58	3.66	4.30	4.46	4.27	4.24	3.61
1979	3.90	3.99	3.90	4.01	3.98	4.05	3.96	4.04	4.58	5.02	5.12	*5.22	
1980													
<u>OATS 2/</u>													
1976	1.64	1.64	1.48	1.49	1.46	1.45	1.51	1.58	1.63	1.64	1.64	1.52	1.56
1977	1.29	1.02	.93	.94	1.04	1.10	1.13	1.18	1.22	1.17	1.19	1.24	1.10
1978	1.16	1.08	1.06	1.06	1.08	1.15	1.19	1.22	1.25	1.27	1.29	1.29	1.20
1979	1.35	1.33	1.24	1.29	1.31	1.40	1.31	1.39	1.37	1.34	1.38	1.43	1.36
1980	1.48	1.50	1.53	*1.63									
<u>BARLEY 2/</u>													
1976	2.60	2.51	2.35	2.33	2.22	2.11	2.08	2.19	2.19	2.25	2.22	2.12	2.25
1977	1.93	1.53	1.53	1.69	1.63	1.82	1.79	1.90	1.98	1.90	1.93	2.15	1.78
1978	2.04	1.83	1.86	1.85	1.90	1.93	1.90	1.95	1.87	1.98	1.96	2.07	1.92
1979	2.30	2.22	2.23	2.33	2.32	2.40	2.31	2.27	2.23	2.18	2.15	2.21	2.31
1980	2.36	2.52	2.59	*2.63									
<u>HAY</u>													
1976	64.10	59.60	59.00	58.70	60.80	60.10	59.00	59.00	60.90	62.70	63.90	63.20	60.30
1977	68.10	61.30	56.80	52.50	50.00	48.20	48.50	49.50	50.50	51.80	51.40	51.40	54.00
1978	55.30	51.20	49.20	49.00	47.80	47.10	46.40	47.30	48.90	50.70	50.20	49.90	49.80
1979	65.60	57.80	56.20	57.50	59.20	60.80	60.30	61.00	60.20	59.70	60.70	63.40	59.70
1980	70.60	64.60	66.50	68.20	70.50								

1/ Includes an allowance for unredeemed loans and purchase agreement deliveries valued at the average loan rate, by States; excludes government payments. 2/ Prior to January 1977 mid-month prices.

*Preliminary (mid-month price).

Source: Agricultural Prices, Crop Reporting Board, USDA.

Table 13.--Livestock, poultry and milk-feed price ratios, by months, 1975-80

Year	:	:	:	:	:	:	:	:	:	:	:	:	:	:
beginning	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Average	
October	:	:	:	:	:	:	:	:	:	:	:	:	:	

Table 14.—Price trends, selected feeds and corn products

Item	Unit	Oct.-Sept.		1980		1980		May	June	July	August	September
		1979/80	1/	March	April	May	June					
<u>WHOLESALE, MOSTLY BULK 2/</u>												
Soybean meal, 44%, solvent, Decatur	Dol./ton	182	165	154	167	161	188					
Soybean meal, high protein, Decatur	"	198	180	168	181	175	207					
Cottonseed meal, 41%, expeller, Memphis	"	164	136	120	121	129	252					
Linseed meal, 34%, solvent, Minneapolis	"	154	150	137	134	132	198					
Peanut meal, 50%, S.E. mills	"	186	169	158	152	155	169					
Meat meal, 50%, Chicago	"	227	248	200	174	188	175					
Fishmeal, 65%, domestic, East Coast	"	380	399	375	355	342	245					
Gluten feed, 21%, Chicago	"	125	121	105	114	114	268					
Gluten meal, 60%, Chicago	"	248	222	206	212	220	233					
Brewers' dried grains, 24%, Chicago	"	110	96	93	105	104	107					
Distillers' dried grains, 28%, Cincinnati	"	138	124	121	123	126	132					
Feather meal, Jackson, Mississippi	"	235	261	218	174	171	245					
Wheat bran, Kansas City	"	95	98	83	80	77	93					
Wheat middlings, Kansas City	"	95 ^b	98	83	80	77	93					
Rice bran, Arkansas	"	79	60	66	70	70	81					
Hominy feed, Illinois Points	"	88	78	79	82	81	90					
Alfalfa meal, 17%, dehy., Kansas City	"	110	111	105	100	97	104					
Cane molasses, New Orleans	"	91	92	92	92	92	92					
Molasses beat pulp, Los Angeles	"	123	124	118	111	111	115					
Animal fat, Chicago	"	15.3	15.9	16.4	13.8	12.4	13.4					
Urea, 42%, N., Fort Worth	"	198	195	210	215	200	215					
Corn, No. 2, white, Kansas City	"	4.70	4.33	4.92	5.74	5.80	5.81					
<u>PRICES PAID, U.S. BASIS 3/</u>												
Soybean meal, 44%	Dol./cwt.	12.92	12.60	12.30	12.30	12.40	12.70					
Cortoneed meal, 41%	"	12.61	12.60	12.30	12.30	12.40	12.80					
Wheat bran	"	9.04	9.03	9.10	9.16	9.18	9.20					
Wheat middlings	"	8.39	8.88	8.87	8.89	8.83	8.90					
Broiler grower feed	Dol./ton	197	193	193	189	190	192					
Laying feed	"	178	174	173	176	176	179					
Turkey grower feed	"	210	203	200	204	208	213					
Chick starter	"	203	202	200	196	196	202					
Dairy feed, 16%	Dol./cwt.	168	164	164	165	167	170					
Beef cattle concentrate, 32-36%	"	10.68	10.70	10.40	10.50	10.70	11.30					
Hog concentrate, 38-42%, protein	"	14.28	14.10	13.40	13.70	13.50	14.20					
Stock salt	"	4.86	4.74	4.91	5.03	5.08	5.19					
<u>CORN PRODUCTS, WHOLESALE 4/</u>												
Corn meal, New York	Dol./cwt.	14.88	14.79	14.84	14.98	15.01	15.94					
White	"	11.19	10.79	10.86	10.98	11.01	11.94					
Yellow	"	8.88	8.52	8.49	8.63	8.76	9.58					
Grits (brewers'), Chicago	"	12.42	10.00	12.69	14.29	15.56	10.10					
Syrup, Chicago West	Cts./lb.	22.98	24.50	24.50	25.70	28.50	29.00					
Sugar (dextrose), Chicago West	"											
High-fructose (dry weight tank car)	"											
Chicago West												
Corn starch (f.o.b. Midwest)	Dol./cwt.	10.66	8.05	8.67	8.95	9.15	9.01					

^{1/} Preliminary. ^{2/} Feed Market News, AMS, USDA, except urea which is from Feedstuffs, Miller Publishing Co., Minneapolis, Minnesota. ^{3/} Agricultural Prices, CRB, USDA.^{4/} Milling and Baking News, Kansas City, Missouri, except starch which is from industry sources.

Table 15.--Feed grain price support loan status, 1977-80 crops, as of October 15, 1980

Item	Placed under loan	Redeemed by farmers	Delivered to CCC	In reserve program 1/	Loans outstanding	Total in reserves and loans outstanding 1/
<u>Million bushels</u>						
<u>CORN</u>						
1977	1,159	689	94	296	0	296
1978	641	486	1	149	5	154
1979	554	257	---	236	61	297
1980	8	2/	---	2/	7	7
<u>SORGHUM</u>						
1977	217	133	41	13	0	13
1978	92	84	5	3	2/	3
1979	64	49	---	10	6	16
1980	2	---	---	---	2	2
<u>OATS</u>						
1977	83	56	3	15	0	15
1978	25	22	2/	3	1	4
1979	12	9	---	2	2	4
1980	4	---	---	2/	4	4
<u>BARLEY</u>						
1977	87	65	3	5	0	5
1978	68	59	2/	5	4	9
1979	30	21	---	2	7	9
1980	13	2/	---	2/	13	13
<u>Dollars per bushel</u>						
	National average loan rate	Season average price received by farmers		Reserve release price 3/	Reserve call price 3/	
<u>CORN</u>						
1977	2.00	2.02				
1978	2.00	2.25				
1979	2.10	2.50				
1980	2.25	3.30-3.75		2.81	4/3.26	
<u>SORGHUM</u>						
1977	1.90	1.82				
1978	1.90	2.02				
1979	2.00	2.35				
1980	2.14	3.20-3.60		2.68	3.10	
<u>OATS</u>						
1977	1.03	1.10				
1978	1.03	1.20				
1979	1.08	1.36				
1980	1.16	1.60-1.80		1.45	1.68	
<u>BARLEY</u>						
1977	1.63	1.78				
1978	1.63	1.92				
1979	1.71	2.31				
1980	1.83	2.60-2.80		2.29	2.65	

1/ Reserve corn in release status; sorghum, barley, and oats under 1979 and earlier contracts have been called. 2/ Less than 500,000 bushels. 3/ Release prices are 125 percent and call prices are 145 percent of national average loan rates at time of release or call. 4/ Corn entered into the reserve prior to January 7, 1980 is subject to a call price of \$3.15 per bushel.

Source: Agricultural Stabilization and Conservation Service, USDA.

Table 16.--Consumption of feed by kind of livestock, 1974-80

Year beginning	Concentrates							Roughages		
	Feed	All	High	Other	Total	Soybean		Other		
	grains	grains	protein	feed	concen-	Corn	meal	hay		
	1/	2/	3/	4/	trates				5/	6/
<u>Million metric tons</u>										
DAIRY ANIMALS										
1974	19.3	19.7	2.1	4.7	26.5	13.3	1.4	31.9	58.5	
1975	19.3	19.6	2.2	4.8	26.7	13.5	1.6	27.7	63.4	
1976	19.7	20.5	2.0	4.6	27.1	15.4	1.4	29.6	66.1	
1977	20.8	21.2	2.1	4.2	27.7	16.3	1.6	31.9	70.4	
1978	20.7	20.9	2.4	4.2	27.5	16.0	1.7	34.4	69.8	
1979 7/	22.7	23.0	2.2	4.3	29.5	18.1	1.9	34.0	70.0	
1980 7/	21.8	22.1	2.4	4.1	29.5	18.9	1.6	N.A.	N.A.	
CATTLE ON FEED										
1974	21.0	21.9	1.0	2.4	25.2	14.2	.9	13.9	22.0	
1975	28.3	29.4	1.3	3.0	33.6	19.2	1.2	20.6	39.0	
1976	25.5	27.8	1.0	2.6	31.4	18.7	.8	13.0	22.8	
1977	29.0	30.3	1.2	2.5	34.0	21.5	1.0	7.6	15.1	
1978	29.8	30.3	1.2	2.5	34.0	20.9	.9	8.1	15.0	
1979 7/	28.4	28.9	1.1	2.7	32.7	20.9	.9	7.5	16.0	
1980 7/	26.5	28.4	1.1	1.6	31.1	21.3	.9	N.A.	N.A.	
OTHER BEEF CATTLE										
1974	7.4	7.5	.8	4.1	12.4	5.5	.5	64.8	58.2	
1975	7.6	7.7	.8	4.0	12.5	5.6	.7	54.7	60.1	
1976	7.2	7.5	.6	3.7	11.8	5.8	.5	59.9	65.1	
1977	7.2	7.3	.7	2.9	10.9	5.8	.6	61.8	65.5	
1978	7.1	7.1	1.0	2.8	10.9	5.5	.6	66.3	65.0	
1979 7/	7.5	7.6	.7	3.0	11.3	6.1	.5	73.1	64.2	
1980 7/	5.7	5.7	1.1	2.8	9.6	5.4	.7	N.A.	N.A.	
HENS AND PULLETS, CHICKENS RAISED										
1974	10.7	11.5	3.2	2.4	17.2	7.3	2.6	---	---	
1975	11.5	12.2	3.6	2.5	18.4	7.9	3.0	---	---	
1976	11.6	13.2	3.2	2.4	18.9	8.8	2.6	---	---	
1977	11.8	12.7	3.5	2.4	18.7	9.0	3.0	---	---	
1978	13.5	13.7	3.9	2.6	20.2	9.9	2.8	---	---	
1979 7/	14.1	14.8	4.1	2.1	21.0	10.8	3.2	---	---	
1980 7/	13.5	14.0	3.9	2.1	20.0	10.6	3.1	---	---	
BROILERS										
1974	4.8	5.0	2.8	.7	8.5	4.6	2.1	---	---	
1975	5.5	5.6	3.2	.8	9.7	5.2	2.7	---	---	
1976	7.1	7.5	3.3	.9	11.6	6.8	2.7	---	---	
1977	7.4	7.6	3.6	.8	12.0	7.1	3.1	---	---	
1978	9.0	9.1	4.0	.8	13.9	8.6	3.3	---	---	
1979 7/	9.8	10.0	4.6	.7	15.3	9.3	3.5	---	---	
1980 7/	9.3	9.4	4.3	.8	14.6	9.0	3.4	---	---	

Continued--

Table 16.--Consumption of feed by kind of livestock, 1974-80--Continued

Year beginning October 1	Concentrates							Roughages	
	Feed grains <u>1/</u>	All grains <u>2/</u>	High protein <u>3/</u>	Other feed <u>4/</u>	Total concen- trates	Corn <u>5/</u>	Soybean meal	Hay	harvested roughage <u>6/</u>
	Million metric tons								
	TURKEYS								
1974	1.6	1.7	1.4	0.3	3.4	1.3	0.8	---	---
1975	1.7	1.8	1.5	.3	3.6	1.5	1.1	---	---
1976	1.8	2.0	1.3	.3	3.6	1.6	.9	---	---
1977	2.1	2.2	1.6	.3	4.2	1.9	1.2	---	---
1978	2.5	2.6	1.9	.3	4.8	2.2	1.3	---	---
1979 <u>7/</u>	2.6	2.8	2.0	.2	5.0	2.4	1.3	---	---
1980 <u>7/</u>	2.5	2.6	1.8	.4	4.8	2.3	1.3	---	---
HOGS									
1974	24.4	24.7	4.4	2.2	31.2	22.1	3.9	---	---
1975	29.9	30.2	5.5	2.5	38.2	27.2	5.1	---	---
1976	34.9	35.8	5.2	2.5	43.5	32.6	4.7	---	---
1977	34.4	34.9	5.6	2.2	42.7	32.3	5.2	---	---
1978	42.0	42.2	6.9	2.4	51.5	39.4	5.8	---	---
1979 <u>7/</u>	45.8	46.2	6.8	2.6	55.6	42.9	6.4	---	---
1980 <u>7/</u>	39.4	39.9	6.0	2.1	47.2	37.2	5.5	---	---
OTHER LIVESTOCK AND UNALLOCATED									
1974	5.1	5.2	1.8	1.3	8.3	1.1	.4	11.0	.2
1975	4.8	4.9	1.9	1.3	8.0	1.1	.5	10.6	.3
1976	4.9	5.1	2.1	1.5	8.8	1.5	.5	11.8	.3
1977	4.8	4.9	2.0	1.3	8.2	1.5	.6	13.6	.3
1978	7.9	8.0	1.3	1.3	10.6	4.2	.5	14.6	.3
1979 <u>7/</u>	5.2	5.4	2.7	2.1	10.2	1.9	.6	15.0	.3
1980 <u>7/</u>	7.3	7.4	2.3	1.6	11.3	2.1	.6	N.A.	N.A.
ALL LIVESTOCK AND POULTRY									
1974	94.4	97.3	17.4	18.1	132.7	69.3	12.7	121.6	139.0
1975	108.6	111.6	20.1	19.1	150.7	81.2	15.8	113.6	162.7
1976	112.6	119.4	18.8	18.4	156.6	91.1	14.2	114.3	154.2
1977	117.5	121.2	20.5	16.8	158.4	95.2	16.3	114.9	151.2
1978	132.7	134.3	21.3	16.6	172.2	106.7	16.9	123.7	150.0
1979 <u>7/</u>	136.7	139.3	23.8	17.6	180.7	112.5	18.3	129.6	150.5
1980 <u>7/</u>	126.3	129.7	22.8	15.6	168.1	106.7	17.1	N.A.	N.A.

1/ Corn, sorghum, oats and barley.2/ Feed grains, wheat and rye.3/ Oilseed meals, animal and grain proteins.4/ Dry milling byproducts, fats and oils, alfalfa meal, molasses, screenings, salt, minerals and urea.5/ 44 percent crude protein content. Soybean meal consumption reflects adjustments for crude protein levels and net supply used for feed.6/ Silage, beet pulp and straw.7/ Preliminary.

N.A.=Not available.

Totals may not add due to independent rounding.

Table 17.--Feed concentrate balance, number of animal units,
and feed per unit, annual, 1974-80

Item	Year beginning October								
	1974	1975	1976	1977	1978	1979	<u>1/</u>	<u>2/</u>	
	<u>Million metric tons</u>								
Feed Grains	:								
Supply	:								
Carryover <u>3/</u>	:	21.5	15.3	17.2	29.9	41.2	45.9	53.4	
Production	:								
Corn	:	119.3	148.0	159.0	161.8	180.0	197.2	168.8	
Sorghum	:	15.8	19.1	18.4	20.1	18.7	20.4	13.8	
Oats	:	8.8	9.3	7.9	10.9	8.7	7.8	6.4	
Barley	:	6.6	8.1	8.1	9.1	9.8	8.2	7.4	
Total	:	150.5	184.5	193.4	201.9	217.2	233.6	196.4	
Imports	:	.5	.5	.3	.3	.3	.3	.2	
Wheat fed	:	1.7	1.5	6.6	5.0	4.9	2.6	3.4	
Rye fed	:	.2	.2	.2	.3	.2	.2	.2	
Byproduct feeds fed	:	29.5	33.3	31.1	33.8	34.5	38.1	34.1	
Total concentrate supply	:	203.9	235.3	248.8	271.2	298.3	320.7	287.7	
Concentrates fed	:								
Corn	:	81.9	90.4	91.1	93.8	105.0	112.5	106.7	
Sorghum	:	11.0	13.0	10.9	12.0	14.2	12.6	9.3	
Oats	:	8.6	7.9	7.3	7.4	7.7	7.2	6.5	
Barley	:	3.6	4.1	3.1	4.0	4.5	4.4	3.8	
Wheat and rye	:	1.9	1.7	6.8	5.3	5.1	2.8	3.4	
Oilseed meals	:	13.2	15.7	14.4	16.8	18.4	19.6	18.3	
Animal protein feeds	:	2.5	2.6	2.7	2.8	2.1	2.1	2.6	
Grain protein feeds	:	1.8	2.0	1.5	1.5	1.5	1.5	2.0	
Other byproduct feeds	:	12.0	13.0	12.4	12.7	13.0	14.8	15.5	
Total	:	136.5	150.4	150.2	156.3	172.2	177.5	168.1	
Grain-consuming animal units (GCAU's)	:	<u>Million units</u>							
Dairy cattle	:	12.5	12.3	12.3	12.2	12.0	12.1	12.3	
Cattle on feed	:	15.4	19.7	19.1	20.4	20.1	18.6	19.3	
Other cattle	:	5.9	5.6	5.3	4.8	4.5	4.6	4.7	
Hogs	:	17.6	16.4	19.4	21.1	21.5	23.7	21.5	
Poultry	:	17.2	18.0	18.3	18.8	20.1	20.7	21.0	
Other livestock	:	1.6	1.6	1.5	1.7	1.8	1.8	2.0	
Total	:	70.2	74.6	75.9	79.0	80.0	81.5	80.8	
Concentrates fed/GCAU	:	<u>Tons per unit</u>							
Four feed grains	:	1.50	1.55	1.48	1.48	1.64	1.63	1.53	
All concentrates	:	1.94	2.02	1.98	1.98	2.15	2.13	2.01	

1/ Preliminary.

2/ Forecast.

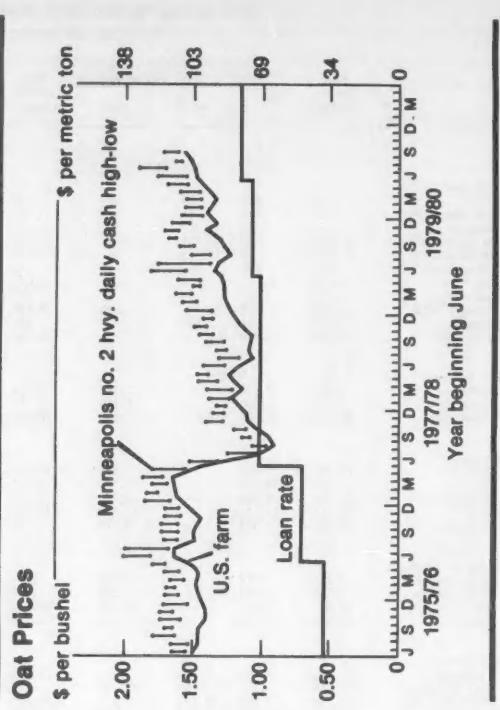
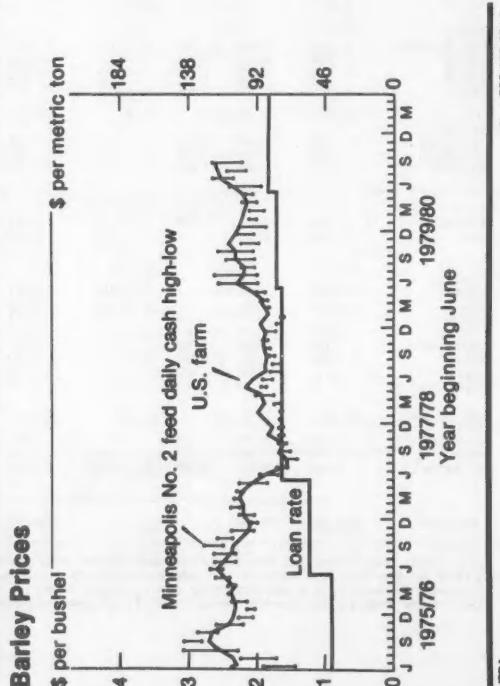
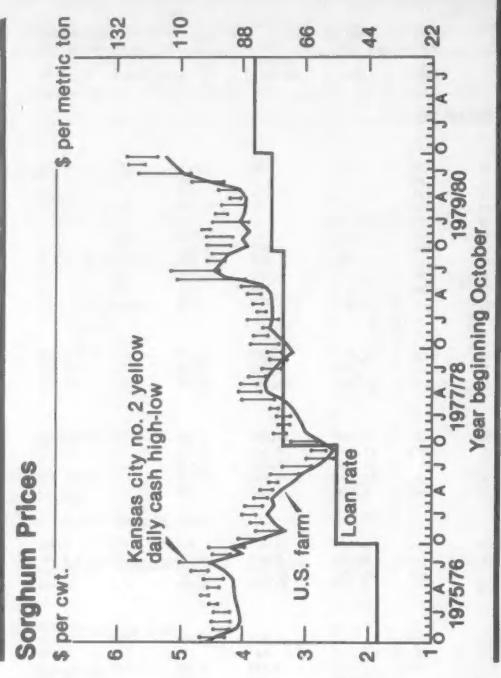
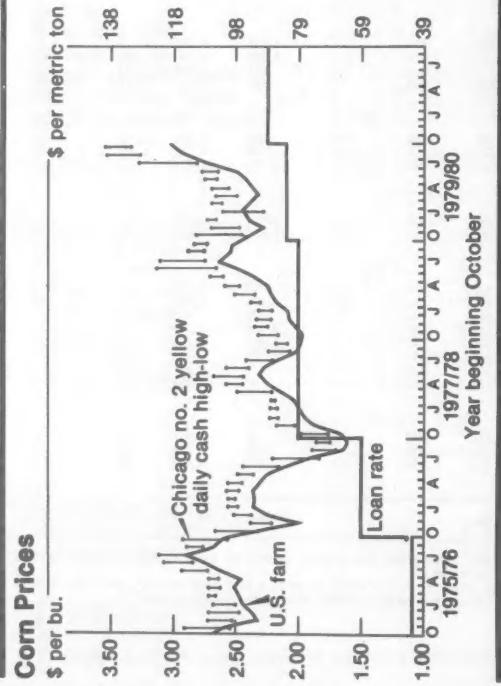
3/ Corn and sorghum October 1; oats and barley June 1.

Table 18.--Feed grains: Deficit or surplus, by States, 1977, 1978, and 1979 1/

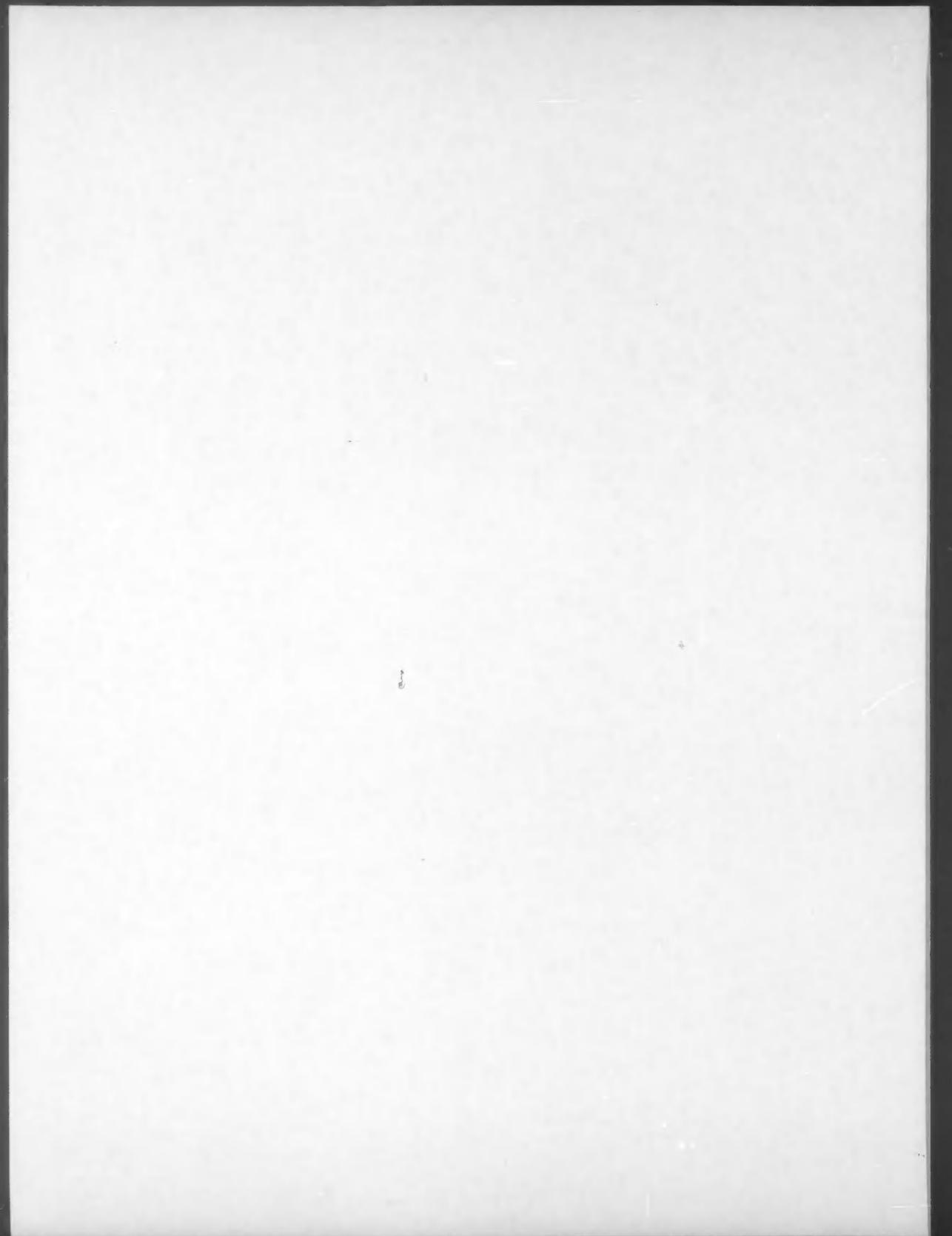
State	1977						1978						1979					
	Feed grains produced	Feed grains fed	Feed grains fed 2/	Production compared with amount fed Under	Production compared with amount fed Over	Feed grains produced	Feed grains fed	Feed grains fed 2/	Production compared with amount fed Under	Production compared with amount fed Over	Feed grains produced	Feed grains fed	Feed grains fed 2/	Production compared with amount fed Under	Production compared with amount fed Over			
	One thousand tons																	
Northeast:																		
Maine	24	932	908	---	38	1,174	1,136	---	39	1,156	1,117	---	419	2,526	678	---		
New Hampshire	---	136	136	---	---	148	148	---	---	149	149	---	412	412	412	---		
Vermont	---	373	373	---	---	401	401	---	---	412	412	---	246	246	246	---		
Massachusetts	---	235	235	---	---	242	242	---	---	27	27	---	27	27	27	---		
Rhode Island	---	26	26	---	---	29	29	---	---	419	219	---	419	219	219	---		
Connecticut	---	355	355	---	---	421	421	---	---	419	219	---	419	219	219	---		
New York	1,691	2,261	570	---	1,620	2,514	894	---	1,848	2,526	678	---	235	201	34	---		
New Jersey	211	204	7	270	211	59	59	---	3,672	4,034	562	---	500	911	407	---		
Pennsylvania	3,355	3,349	---	86	3,594	3,892	298	---	1,848	2,526	678	---	2,953	2,534	4,399	---		
Delaware	313	721	408	---	495	875	380	---	2,953	2,534	4,399	---	562	3,388	3,388	---		
Maryland	1,311	1,349	38	---	1,714	1,995	---	119	1,771	1,668	103	---	1,771	1,668	1,668	---		
Lake States:																		
Michigan	5,845	2,176	---	4,249	5,451	2,472	---	2,979	6,933	2,534	---	4,399	4,399	4,399	4,399	---		
Wisconsin	9,409	5,320	---	4,089	8,582	6,025	---	2,557	9,516	6,128	---	3,388	3,388	3,388	3,388	---		
Minnesota	20,711	6,529	---	14,182	20,853	7,601	---	13,252	19,300	8,221	---	11,079	11,079	11,079	11,079	---		
Corn Belt:																		
Ohio	11,052	3,324	---	7,728	11,015	3,630	---	7,385	12,081	3,596	---	8,485	8,485	8,485	8,485	---		
Indiana	17,904	4,720	---	13,184	18,012	5,577	---	12,435	18,761	5,723	---	13,038	13,038	13,038	13,038	---		
Illinois	33,031	6,550	---	26,481	33,730	7,279	---	26,451	38,436	7,324	---	31,112	31,112	31,112	31,112	---		
Iowa	31,966	14,548	---	17,418	42,067	16,533	---	25,534	46,562	16,525	---	50,037	50,037	50,037	50,037	---		
Missouri	7,663	4,344	---	3,319	7,284	5,130	---	2,154	8,087	5,073	---	3,014	3,014	3,014	3,014	---		
Northern Plains:																		
North Dakota	3,812	716	---	3,096	4,319	796	---	3,523	3,030	824	---	2,206	2,206	2,206	2,206	---		
South Dakota	6,785	5,458	---	1,327	7,425	3,295	---	4,130	8,342	3,500	---	4,842	4,842	4,842	4,842	---		
Nebraska	22,322	7,191	---	15,151	24,951	8,771	---	16,160	26,617	8,715	---	17,904	17,904	17,904	17,904	---		
Kansas	11,538	5,345	---	6,193	10,275	6,148	---	4,127	12,608	5,762	---	6,846	6,846	6,846	6,846	---		
Appalachian:																		
Virginia	995	1,491	496	---	1,573	1,765	192	---	1,597	1,954	357	---	357	357	357	357	---	
West Virginia	129	211	82	---	144	355	211	---	147	566	219	---	219	219	219	219	---	
North Carolina	2,662	3,854	1,191	---	3,686	4,672	986	---	3,879	4,938	1,059	---	1,059	1,059	1,059	1,059	---	
Kentucky	3,788	1,586	---	2,102	7,106	1,873	---	5,233	3,813	1,919	---	1,894	1,894	1,894	1,894	---		
Tennessee	1,387	1,597	210	---	1,283	1,880	597	---	1,598	1,818	220	---	220	220	220	220	---	
Southeast:																		
South Carolina	761	1,006	245	---	949	1,159	210	---	1,232	1,285	53	---	53	53	53	53	---	
Georgia	741	4,455	3,714	---	2,190	5,260	3,070	---	2,926	5,450	2,524	---	2,524	2,524	2,524	2,524	---	
Florida	302	2,023	1,721	---	539	2,271	1,752	---	534	2,406	1,872	---	1,872	1,872	1,872	1,872	---	
Alabama	340	3,247	2,907	---	816	3,806	2,990	---	902	3,939	3,037	---	3,037	3,037	3,037	3,037	---	
Delta States:																		
Mississippi	192	1,947	1,755	---	234	2,204	1,970	---	201	2,262	2,061	---	2,061	2,061	2,061	2,061	---	
Arkansas	487	3,806	3,319	---	449	4,560	4,111	---	398	4,748	4,350	---	4,350	4,350	4,350	4,350	---	
Louisiana	119	948	829	---	94	1,076	982	---	81	1,061	980	---	980	980	980	980	---	
Southern Plains:																		
Oklahoma	1,014	2,094	1,080	---	742	2,294	1,552	---	1,014	2,339	1,325	---	1,325	1,325	1,325	1,325	---	
Texas	11,445	8,069	---	3,376	10,658	9,650	---	1,008	10,822	9,593	---	1,229	1,229	1,229	1,229	---		
Mountain:																		
Montana	1,924	661	---	1,263	1,533	732	---	801	1,077	707	---	370	370	370	370	---		
Idaho	1,168	863	---	305	1,484	932	---	552	1,321	1,015	---	306	306	306	306	---		
Wyoming	274	271	---	3	319	300	---	19	306	286	---	20	20	20	20	---		
Colorado	2,834	3,151	317	---	2,875	3,738	863	---	3,396	3,469	73	---	73	73	73	73	---	
New Mexico	648	899	251	---	590	1,001	411	---	640	1,145	505	---	505	505	505	505	---	
Arizona	442	1,439	997	---	380	1,836	1,456	---	365	1,631	1,266	---	1,266	1,266	1,266	1,266	---	
Utah	190	590	400	---	225	652	427	---	270	671	401	---	401	401	401	401	---	
Nevada	34	87	53	---	29	170	141	---	32	184	152	---	152	152	152	152	---	
Pacific:																		
Washington	464	1,076	612	---	843	1,278	435	---	779	1,227	448	---	448	448	448	448	---	
Oregon	329	672	343	---	324	712	388	---	290	736	446	---	446	446	446	446	---	
California	2,434	6,823	4,389	---	2,534	7,744	5,210	---	2,401	7,699	5,298	---	5,298	5,298	5,298	5,298	---	

1/ Additional disappearance not included in this computation: Feed grains for seed, human food, and industry as well as those needed for export. Thus, this table probably overstates surpluses and understates deficits within each of the States.

2/ Computed for each State by multiplying the grain-consuming animal units in that State by 1.63503 tons in 1977, 1.8307 tons in 1978, and 1.8227 tons in 1979. These feeding rates were the average rates of feed grains disappearance per grain-consuming animal unit at the national level.

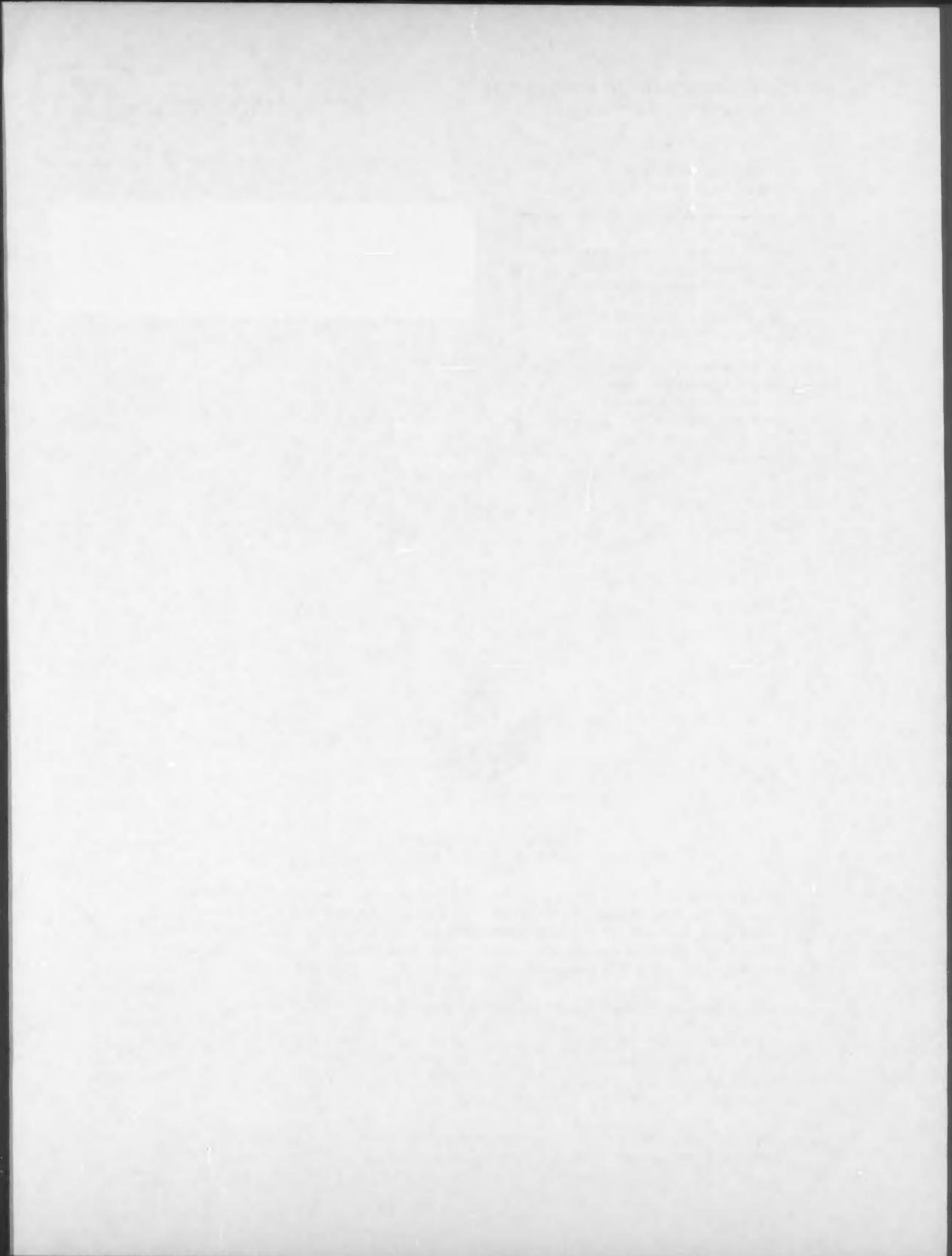












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