
SMALL GRAINS

1979 Annual Summary and 1980 Crop Winter Wheat and Rye Seedings



Crop
Reporting
Board

Economics, Statistics, and
Cooperatives Service

U.S. Department
of Agriculture
Washington, D.C.
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December 21, 1979
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ACREAGE, YIELD, AND PRODUCTION, UNITED STATES--ANNUAL
(DOMESTIC UNITS)

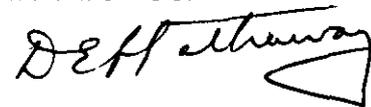
CROP AND UNIT	AREA HARVESTED			YIELD PER ACRE			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES						1,000		
OATS BU	13,452	11,426	9,831	55.8	52.2	54.4	750,901	595,882	534,386
BARLEY "	9,564	9,247	7,468	43.9	48.6	50.6	420,159	449,177	378,067
ALL WHEAT "	66,461	56,942	62,600	30.6	31.6	34.2	2,036,318	1,797,528	2,141,732
WINTER "	48,664	39,015	43,572	31.6	32.0	36.9	1,537,113	1,247,706	1,608,897
DURUM "	3,025	4,024	3,932	26.4	33.1	27.1	79,964	133,328	106,654
OTHER SPRING "	14,772	13,903	15,096	28.4	30.0	28.2	419,241	416,494	426,181
RYE "	704	995	949	24.6	26.3	25.9	17,312	26,160	24,549
RICE CWT 1/2	2,249.0	2,970.0	2,979.0	4,412	4,484	4,588	99,223	133,170	136,667

1/ YIELD IN POUNDS.

ACREAGE, YIELD, AND PRODUCTION, UNITED STATES--ANNUAL
(METRIC UNITS)

CROP	AREA HARVESTED			YIELD PER HECTARE			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	HECTARES			METRIC TONS					
OATS	5 443 890	4 623 990	3 978 510	2.00	1.87	1.95	10 899 300	8 649 200	7 756 590
BARLEY	3 870 460	3 742 170	3 022 220	2.36	2.61	2.72	9 147 880	9 779 670	8 231 440
ALL WHEAT	26 896 100	23 043 860	25 333 590	2.06	2.12	2.30	55 419 490	48 920 690	58 288 400
WINTER	19 693 830	15 788 980	17 633 150	2.12	2.15	2.48	41 833 360	33 956 990	43 787 000
DURUM	1 224 190	1 628 470	1 591 240	1.78	2.23	1.82	2 176 260	3 628 590	2 902 650
OTHER SPRING	5 978 080	5 626 410	6 109 200	1.91	2.01	1.90	11 409 870	11 335 110	11 598 750
RYE	284 900	402 670	384 050	1.54	1.65	1.62	439 750	664 490	623 570
RICE	910 150	1 201 930	1 205 570	4.94	5.03	5.14	4 500 680	6 040 490	6 199 110

APPROVED:


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UNITED STATES CROP SUMMARY
(DOMESTIC UNITS)

ITEM	CROP OF		
	1978	1979	1980 ^{1/}
WINTER WHEAT:			
AREA SEEDED (1,000 ACRES)	47,893	51,919	56,841
YIELD PER SEEDED ACRE (BU)	26.1	31.0	27.6
PRODUCTION (1,000 BU)	1,247,706	1,608,897	1,567,817
AREA SEEDED AS % OF PREVIOUS YEAR	85.1	108.4	109.5
AREA FOR GRAIN AS % OF AREA SEEDED	81.5	83.9	84.2
RYE:			
AREA SEEDED (1,000 ACRES)	2,985	3,077	2,646
AREA SEEDED AS % OF PREVIOUS YEAR	112.6	103.1	86.0

^{1/} INDICATED DEC 1, 1979.

UNITED STATES CROP SUMMARY
(METRIC UNITS)

ITEM	CROP OF		
	1978	1979	1980 ^{1/}
WINTER WHEAT:			
AREA SEEDED (HECTARES)	19 381 820	21 011 100	23 002 980
YIELD PER SEEDED HECTARE (METRIC TONS)	1.75	2.08	1.85
PRODUCTION (METRIC TONS)	33 956 990	43 787 000	42 668 990
RYE:			
AREA SEEDED (HECTARES)	1 208 000	1 245 230	1 070 810

^{1/} INDICATED DEC 1, 1979.

SMALL GRAINS - ANNUAL SUMMARY

OATS: Oats production in 1979 is estimated at 534 million bushels (7.76 million metric tons), 10 percent less than the 1978 crop of 596 million bushels (8.65 million metric tons) and 29 percent less than the 1977 crop. This is the lowest production since 1881. Fewer acres harvested for grain in 1979 more than offset higher yields and resulted in the smaller production. The 9.83 million acres (3.98 million hectares) harvested for grain is 14 percent below a year ago and the smallest acreage harvested since 1869. Yield per harvested acre averaged 54.4 bushels compared with 52.2 bushels a year earlier. This is the third highest yield on record, exceeded only by the 55.9 bushels per acre in 1971 and the 55.8 bushels per acre in 1977. Acres abandoned and used for purposes other than grain accounted for 30.5 percent of the planted acres compared with 29.7 percent of the 1978 crop.

Seeding was delayed in the major producing areas of the North because of a late, wet spring. In South Dakota, seeding was not completed until the end of May. North Dakota farmers finished planting by mid-June. Growing conditions were favorable in most areas of the Nation except in the Northwest where dry weather hampered development. Harvest progressed slightly behind normal because of wet conditions.

BARLEY: Production of barley in 1979 totaled 378 million bushels (8.23 million metric tons), 16 percent less than in 1978 and 10 percent below 1977. The smaller crop was the result of a large reduction in acreage which more than offset record yields.

Acreage harvested for grain is estimated at 7.47 million acres (3.02 million hectares), 19 percent less than 1978 and 22 percent below 1977. This is the smallest area harvested since 1934 when just over 6.58 million acres (2.66 million hectares) were harvested. Yield per harvested acre averaged a record 50.6 bushels, 2.0 bushels above the previous record set last year.

Spring planting in the Dakotas, Minnesota, and Montana got off to a slow start because of wet, cool weather. Conditions following planting were generally favorable in California, the Dakotas, and Minnesota, but hot, dry weather in Idaho, Montana, and Washington reduced yields.

Harvest operations in the upper North Central States started later than normal because of the late maturity of the crop, humid weather, and frequent showers. The 1979 harvest advanced to about normal by early September and was nearly complete by the third week in September.

ALL WHEAT: Growers harvested 2.14 billion bushels (58.3 million metric tons) of wheat in 1979, second highest of record and 19 percent more than last year's 1.80 billion bushels (48.9 million metric tons). The crop was harvested from 62.6 million acres (25.3 million hectares), 10 percent more than a year ago. Nationally, yields averaged a record high 34.2 bushels per acre, up 2.6 bushels from last year.

WINTER WHEAT: Production of 1979 winter wheat totaled 1.61 billion bushels (43.8 million metric tons), 29 percent more than last year's 1.25 billion bushels (34.0 million metric tons) and the second largest crop of record. Growers harvested 43.6 million acres (17.6 million hectares) for grain, 12 percent more than last year. A record high yield of 36.9 bushels per acre this year exceeded by 1.5 bushels the previous record set in 1971. Nine States set new record high yields and one State equaled the previous record high.

Growers seeded 51.9 million acres (21.0 million hectares) for the 1979 crop, 8 percent more than in 1978. Planting of the 1979 crop got underway in late August 1978, in much of the Plains as well as the Pacific Northwest although dry conditions in the southern Plains delayed seedings. By mid-October progress of wheat seeding nationally was near the 1977 level with rains improving germination and growth in the southern Plains. Seedings were virtually complete by early November except for a few Corn Belt States, Texas and several of the Southeastern States.

The crop came out of dormancy in Texas during early March and made rapid growth in response to adequate moisture and higher temperatures. Great Plains States reported very little wind damage. Wheat maturity advanced to the heading stage as far north as Nebraska by June 1 but generally was lagging behind the 1978 progress. Subnormal temperatures and rain delayed maturity in Texas during early June while growers in the Pacific Northwest experienced dry conditions which stressed the crop. Scattered rain and below normal temperatures delayed harvest in all major producing States, but harvesting losses were not excessive.

OTHER SPRING WHEAT: The Nation's output of other spring wheat in 1979 is estimated at 426 million bushels (11.6 million metric tons), up 2 percent from both last year and 1977 and is the second highest of record. Harvested acres totaled 15.1 million acres (6.11 million hectares) compared with 13.9 million acres (5.63 million hectares) harvested a year ago. The average yield per acre for 1979 at 28.2 bushels compares with 30.0 bushels per acre realized in 1978.

Acres seeded amounted to 15.6 million acres (6.31 million hectares), 9 percent more than the 14.3 million acres (5.77 million hectares) seeded last year. Northern areas experienced a cool, wet early spring resulting in delayed planting but warmer and dryer conditions later in the spring allowed good progress.

Rain and humid weather slowed harvest in early September but favorable conditions returned and enabled farmers to catch up by the end of the month. In Washington, spring wheat matured rapidly because of the hot, dry weather, and harvest progressed speedily after August 1. North Dakota's spring wheat harvest was slowed by damp weather until mid-September but warm weather allowed farmers to complete harvest near the normal date. Montana wheat developed a little behind normal with a very hot, dry summer taking its toll on the crop.

DURUM WHEAT: Producers harvested 107 million bushels (2.90 million metric tons) of durum wheat during 1979, 20 percent less than last year's production of 133 million bushels (3.63 million metric tons), but well over the 80.0 million bushels (2.18 million metric tons) produced in 1977. A total of 3.93 million acres (1.59 million hectares) were harvested this season compared with 4.02 million acres (1.63 million hectares) a year ago. The 1979 yield of 27.1 bushels per acre is down 6.0 bushels from last year's record high 33.1 bushels.

Seeding of the 4.04 million acres (1.64 million hectares) was delayed in northern areas by cool, wet weather but conditions improved during May and rapid progress was made. Hot, dry weather in some of the major producing areas of the North caused emergence problems but conditions were generally favorable during July. In North Dakota, harvesting got underway on August 1 and good harvest weather enabled farmers to complete harvest by about the normal time.

RYE: U.S. farmers produced 24.5 million bushels (624 thousand metric tons) of rye in 1979, 6 percent less than last year's 26.2 million bushels (664 thousand metric tons), but 42 percent more than the 1977 crop. Growers harvested 949 thousand acres (384 thousand hectares) this year compared with 995 thousand acres (403 thousand acres) last year. Yields averaged 25.9 bushels per acre nationally, down 0.4 bushel from a year ago. North Dakota and South Dakota together account for nearly half of the 1979 rye production.

Farmers seeded 3.08 million acres (1.25 million hectares) during the fall of 1978 and spring of 1979 for the 1979 crop, 3 percent more than the previous year. Rye seeding got underway at about normal time with good progress made in most Northern Plains areas. Hot, dry conditions in the south and southeast during early fall caused delays in seeding with some farmers dusting in the seed. Rains during late November occurred in many southeastern areas which resulted in good germination, and good prospects for the crop.

The crop came through the winter in fair to good condition in the Northern Plains States. Early spring weather was wet and cold but dry weather prevailed in late spring and early summer. North Dakota growers started swathing by early August, but completed harvest later than normal. In the Southeast, moisture was adequate in the spring and harvest progressed well but behind normal.

RICE: Production of rice in 1979 is estimated at a record high 137 million hundredweight (6.20 million metric tons), 3 percent more than in 1978 and 38 percent more than in 1977. Growers harvested 2.98 million acres (1.21 million hectares), a record high and slightly more than last year. Yields averaged 4588 pounds per acre this year while last year's average was 4484. California rice yielded a record high 6450 pounds per acre, surpassing the previous high of 5810 pounds.

Long grain rice production at 84.9 million hundredweight (3.85 million metric tons) was slightly more than last year. Growers harvested 40.7 million hundredweight (1.85 million metric tons) of medium grain rice, 12 percent more than a year ago. Short grain rice production at 11.0 million hundredweight (501 thousand metric tons) was 7 percent less than in 1978.

Arkansas growers were delayed in planting but warmer temperatures in June aided the crop. The Louisiana crop was planted by late May while wet soils in Mississippi caused a lag in progress. Heavy rains in Texas also caused planting delays there. California seedings were later than normal but were completed by June 1.

Arkansas rice was over 80 percent headed by late August and harvest had started. By September 1 Texas growers were finishing the first cutting after delays caused by wet conditions and lodging. California rice harvest started in mid-September but rains later in the month caused some delays. Harvest activity was quite active in California during October and was over 85 percent completed by early November. Arkansas farmers were also nearing completion of harvest by early November. Both harvested acres and yield of second crop rice in Texas were below recent years.

AREA PLANTED 1977-79

STATE	OATS 1/			BARLEY 1/			ALL WHEAT		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES								
ALA	92	92	90				135	130	140
ARIZ				62	42	50	147	145	135
ARK	85	80	70				825	400	530
CALIF	400	380	350	1,150	1,100	900	915	770	867
COLO	115	121	115	280	280	310	3,030	3,038	3,245
DEL				34	33	33	40	29	32
FLA	33	3/					19	17	4/
GA	130	135	130	9	3/		135	160	190
IDAHO	66	65	63	1,000	950	880	1,330	1,360	1,615
ILL	390	430	355	10	10	8	1,650	1,050	1,360
IND	200	220	190	9	3/		1,350	900	1,000
IOWA	1,650	1,650	1,350				130	60	85
KANS	285	150	135	90	72	75	13,200	11,300	12,100
KY	36	36	36	39	37	32	380	280	380
LA	19	3/					50	40	48
MAINE	38	39	43						
MD	27	28	27	100	105	103	140	115	122
MICH	400	390	290	21	20	18	870	470	800
MINN	2,530	2,150	1,650	1,100	1,070	780	3,425	2,850	2,640
MISS	30	3/					140	100	160
MO	220	80	90	10	3/		2,000	960	1,780
MONT	312	400	360	1,550	1,500	1,100	5,400	5,100	5,985
NEBR	840	600	500	47	33	30	3,300	2,900	3,000
NEV	13	3/		21	22	24	30	29	30
N J	10	9	9	40	39	38	61	48	51
N MEX				35	33	36	555	527	560
N Y	340	350	330	11	11	12	190	86	170
N C	170	165	180	67	70	70	235	220	235
N DAK	1,900	1,350	1,050	2,690	2,500	1,700	9,960	9,750	9,900
OHIO	460	440	370	13	11	9	1,580	1,200	1,350
OKLA	280	260	230	140	100	80	7,800	7,000	7,000
OREG	140	130	125	210	200	180	1,308	1,295	1,450
PA	390	360	360	135	135	125	285	255	270
S C	117	135	110	24	27	26	107	95	120
S DAK	2,920	2,570	2,400	680	600	540	3,655	3,575	3,455
TENN	108	96	85	24	22	22	373	310	400
TEX	1,450	1,800	1,700	150	110	100	6,300	5,700	5,800
UTAH	20	21	21	144	152	142	251	256	278
VA	75	82	75	115	123	117	250	205	215
WASH	78	72	69	420	400	330	3,120	3,120	3,650
W VA	19	18	17	10	11	11	12	11	12
WIS	1,270	1,250	1,100	31	28	25	83	48	57
WYO	75	71	71	150	150	154	353	351	341
U S	17,733	16,245	14,146	10,621	9,996	8,060	75,119	66,255	71,558

SEE FOOTNOTES ON PAGE B-8.

AREA PLANTED 1977-79 CONTINUED

STATE	WINTER WHEAT 2/			DURUM WHEAT			OTHER SPRING WHEAT		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES								
ALA	135	130	140						
ARIZ	58	50	60	89	95	75			
ARK	825	400	530						
CALIF	885	650	820	30	120	47			
COLO	3,000	3,000	3,200				30	38	45
DEL	40	29	32						
FLA	19	17	4/						
GA	135	160	190						
IDAHO	950	870	980				380	490	635
ILL	1,650	1,050	1,360						
IND	1,350	900	1,000						
IOWA	130	60	85						
KANS	13,200	11,300	12,100						
KY	380	280	380						
LA	50	40	48						
MD	140	115	122						
MICH	870	470	800						
MINN	140	70	60	85	100	80	3,200	2,680	2,500
MISS	140	100	160						
MO	2,000	960	1,780						
MONT	3,050	2,900	3,000	230	300	335	2,120	1,900	2,650
NEBR	3,300	2,900	3,000						
NEV	17	12	14				13	17	16
N J	61	48	51						
N MEX	551	527	560	4	5/				
N Y	190	86	170						
N C	235	220	235						
N DAK	160	160	170	2,600	3,300	3,330	7,200	6,300	6,400
OHIO	1,580	1,200	1,350						
OKLA	7,800	7,000	7,000						
OREG	1,230	1,150	1,180				78	135	270
PA	285	255	270						
S C	107	95	120						
S DAK	1,160	1,080	1,080	145	195	175	2,350	2,300	2,200
TENN	373	310	400						
TEX	6,300	5,700	5,800						
UTAH	225	221	235				26	35	43
VA	250	205	215						
WASH	2,920	2,800	2,850				200	320	800
W VA	12	11	12						
WIS	65	35	40				18	13	17
WYO	327	327	320				26	24	21
U S	56,295	47,893	51,919	3,183	4,110	4,042	15,641	14,252	15,597

SEE FOOTNOTES ON PAGE B-8.

AREA PLANTED 1977-79 CONTINUED

STATE	RYE ^{2/}			RICE		
	1977	1978	1979	1977	1978	1979
	1,000 ACRES					
ALA						
ARIZ						
ARK				840.0	1,100.0	1,140.0
CALIF				310.0	493.0	525.0
COLO	30	30	42			
DEL	30	35	40			
FLA						
GA	425	490	510			
IDAHO						
ILL	65	65	70			
IND	55	40	40			
IOWA	20	19	22			
KANS	60	90	90			
KY	56	59	66			
LA				480.0	590.0	530.0
MAINE						
MD	62	70	70			
MICH	175	130	135			
MINN	104	115	100			
MISS				112.0	220.0	210.0
MO	65	47	55	17.0	30.0	35.0
MONT						
NEBR	90	95	100			
NEV						
N J	76	76	79			
N MEX						
N Y	105	105	107			
N C	130	135	145			
N DAK	110	220	210			
OHIO	80	85	85			
OKLA	190	190	200			
OREG	35	36	40			
PA	65	65	65			
S C	120	125	130			
S DAK	175	240	280			
TENN	22	24	4/			
TEX	150	150	170	502.0	560.0	560.0
UTAH						
VT						
VA	150	180	180			
WASH	23	23	4/			
W VA						
WIS	35	40	40			
WYO	9	6	6			
U S	2,652	2,985	3,077	2,261.0	2,993.0	3,000.0

- 1/ INCLUDES AREA PLANTED IN PRECEDING FALL.
- 2/ AREA PLANTED IN PRECEDING FALL.
- 3/ ESTIMATES DISCONTINUED AFTER 1977 CROP.
- 4/ ESTIMATES DISCONTINUED AFTER 1978 CROP.
- 5/ BEGINNING IN 1978 INCLUDED IN WINTER WHEAT.

OATS

STATE	AREA HARVESTED			YIELD			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES			BUSHEL			1,000 BUSHEL		
ALA	25	30	25	41.0	40.0	41.0	1,025	1,200	1,025
ARK	50	55	32	70.0	73.0	65.0	3,500	4,015	2,080
CALIF	104	105	85	51.0	48.0	55.0	5,304	5,088	4,675
COLO	31	40	50	46.0	44.0	50.0	1,426	1,760	2,500
FLA 1/1	12			45.0			540		
GA	55	65	59	50.0	53.0	54.0	2,750	3,445	3,186
IDAHO	45	49	44	57.0	64.0	52.0	2,565	3,135	2,288
ILL	340	285	270	61.0	56.0	60.0	20,740	15,960	16,200
IND	150	165	145	53.0	54.0	61.0	7,950	8,910	8,845
IOWA	1,350	1,050	1,000	61.0	58.0	63.0	82,350	60,900	63,000
KANS	210	105	85	45.0	39.0	44.0	9,450	4,095	3,740
KY	9	7	8	35.0	42.0	41.0	315	294	328
LA 1/1	7			54.0			378		
MAINE	30	35	39	50.0	66.0	62.0	1,500	2,376	2,418
MD	22	23	22	54.0	54.0	55.0	1,188	1,242	1,210
MICH	340	360	270	55.0	57.0	61.0	18,700	20,520	16,470
MINN	2,380	1,830	1,490	68.0	54.0	57.0	161,840	98,820	84,930
MISS 1/1	13			45.0			585		
MO	145	35	45	50.0	38.0	45.0	7,250	1,330	2,025
MONT	140	208	140	40.0	51.0	39.0	5,600	10,608	5,460
NEBR	700	450	380	58.0	47.0	53.0	40,600	21,150	20,140
NEV 1/1	4			55.0			220		
N J	9	8	8	43.0	48.0	50.0	387	384	400
N Y	290	300	290	53.0	59.0	62.0	15,370	17,700	17,980
N C	75	95	95	42.0	55.0	56.0	3,150	5,225	5,320
N DAK	1,500	1,220	840	40.0	54.0	44.0	60,000	65,880	36,960
OHIO	420	400	340	59.0	61.0	70.0	24,780	24,400	23,800
OKLA	130	95	95	46.0	36.0	48.0	5,980	3,420	4,550
OREG	80	70	65	65.0	55.0	64.0	5,200	4,550	4,160
PA	350	340	335	53.0	53.0	55.0	18,550	18,020	18,425
S C	55	75	59	46.0	52.0	54.0	2,530	3,900	3,186
S DAK	2,450	2,210	1,970	54.0	46.5	50.0	132,300	102,765	98,500
TENN	25	25	27	43.0	45.0	41.0	1,075	1,125	1,107
TEX	600	430	400	40.0	32.0	42.0	24,000	13,760	15,800
UTAH	10	12	12	55.0	48.0	59.0	550	576	708
VA	34	36	35	44.0	45.0	49.0	1,496	1,620	1,715
WASH	35	30	33	43.0	58.0	53.0	1,505	1,740	1,749
W VA	12	12	12	41.0	42.0	51.0	492	504	612
WIS	1,170	1,120	980	65.0	56.0	57.0	76,050	62,720	55,860
WYO	45	49	46	38.0	56.0	44.0	1,710	2,744	2,024
U S	13,452	11,426	9,431	55.8	52.2	54.4	750,901	595,882	534,386

1/ ESTIMATES DISCONTINUED AFTER 1977 CROP.

BARLEY

STATE	AREA HARVESTED			YIELD			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES			BUSHELS			1,000 BUSHELS		
ARIZ	55	35	43	76.0	71.0	75.0	4,180	2,485	3,225
CALIF	950	950	790	56.0	48.0	60.0	53,200	45,600	47,400
COLO	230	240	290	59.0	64.0	69.0	13,570	15,360	20,010
DEL	22	24	25	44.0	44.0	45.0	968	1,056	1,125
GA	1/1	7		37.0			259		
IDAHO	940	930	850	47.0	60.0	58.0	44,180	55,800	49,300
ILL	9	7	7	42.0	36.0	47.0	378	252	329
IND	1/1	8		40.0			320		
KANS	78	60	60	36.0	44.0	45.0	2,808	2,640	2,700
KY	25	23	25	46.0	43.0	50.0	1,150	989	1,250
MD	70	85	88	49.0	46.0	49.0	3,430	3,910	4,312
MICH	19	19	17	52.0	47.0	47.0	988	893	799
MINN	1,080	1,050	770	51.0	49.5	53.0	55,080	51,975	40,810
MO	1/1	8		37.0			296		
MONT	1,430	1,375	1,040	36.5	43.0	39.0	52,195	59,125	40,560
NEBR	43	29	28	45.0	38.0	43.0	1,935	1,102	1,204
NEV	19	20	22	65.0	60.0	60.0	1,235	1,200	1,320
N J	17	20	18	48.0	46.0	51.0	816	920	918
N MEX	26	25	27	51.0	57.0	58.0	1,326	1,425	1,566
N Y	10	10	11	44.0	42.0	48.0	440	420	528
N C	55	59	61	40.0	51.0	51.0	2,200	3,009	3,111
N DAK	2,530	2,450	1,650	39.0	46.0	46.0	98,670	112,700	75,900
OHIO	11	10	9	51.0	48.0	52.0	561	480	468
OKLA	120	80	55	35.0	34.0	46.0	4,200	2,720	2,530
OREG	190	185	160	47.0	50.0	50.0	8,930	9,250	8,000
PA	125	125	115	50.0	47.0	47.0	6,250	5,875	5,405
S C	21	24	23	40.0	47.0	48.0	840	1,128	1,104
S DAK	640	565	500	42.0	37.0	40.0	26,880	20,905	20,000
TENN	13	13	13	39.0	34.0	46.0	507	442	598
TEX	85	40	50	40.0	27.0	46.0	3,400	1,080	2,300
UTAH	115	135	131	54.0	56.0	69.0	6,210	7,560	9,039
VA	92	101	100	44.0	50.0	52.0	4,048	5,050	5,200
WASH	350	380	315	27.0	51.0	54.0	9,450	23,180	17,010
W VA	9	10	10	42.0	44.0	41.0	378	440	410
WIS	29	27	24	54.0	49.0	49.0	1,566	1,323	1,176
WYO	133	141	141	55.0	63.0	60.0	7,315	8,883	8,460
U S	9,564	9,247	7,468	43.9	48.6	50.6	420,159	449,177	378,067

1/ ESTIMATES DISCONTINUED AFTER 1977 CROP.

ALL WHEAT

STATE	AREA HARVESTED			YIELD			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES			BUSHELS			1,000 BUSHELS		
ALA	90	65	95	24.0	26.0	26.0	2,520	1,690	2,470
ARIZ	140	138	125	72.0	70.0	76.3	10,080	9,660	9,540
ARK	660	300	420	39.0	37.0	35.0	25,740	11,100	14,700
CALIF	578	715	425	64.5	64.1	70.5	43,700	45,825	58,200
COLO	2,575	2,523	2,641	22.2	23.4	26.6	57,225	59,052	70,183
DEL	35	25	30	30.0	35.0	34.0	1,050	875	1,020
FLA 1/2	13	12		29.0	36.0		377	432	
GA	100	120	160	33.0	32.0	35.0	3,300	3,840	5,600
IDAHO	1,190	1,295	1,470	42.6	57.7	50.4	50,730	74,730	74,140
ILL	1,570	930	1,300	43.0	38.0	43.0	67,510	35,340	55,900
IND	1,240	815	945	45.0	39.0	47.0	55,800	31,785	44,415
IOWA	109	45	72	37.0	31.0	37.0	4,033	1,395	2,664
KANS	12,100	10,200	10,800	28.5	30.0	38.0	344,850	306,000	410,400
KY	274	195	290	37.0	35.0	38.0	10,138	6,825	11,020
LA	25	17	27	34.0	36.0	24.0	850	612	756
MD	120	102	114	36.0	37.0	37.0	4,320	3,774	4,218
MICH	825	450	785	40.0	40.0	43.0	33,000	18,000	33,755
MINN	3,327	2,776	2,576	39.6	33.6	35.1	131,894	93,225	90,384
MISS	105	65	115	34.0	31.0	32.0	3,570	2,015	3,680
MO	1,760	840	1,600	39.0	34.0	44.0	68,640	28,560	70,400
MONT	5,060	4,840	5,125	25.9	30.2	22.7	130,920	146,050	116,475
NEBR	2,950	2,550	2,550	35.0	32.0	34.0	103,250	81,600	86,700
NEV	28	26	27	55.7	59.2	59.6	1,560	1,540	1,610
N J	42	33	41	31.0	36.0	36.0	1,302	1,188	1,476
N MEX	425	306	398	21.5	18.0	22.0	9,137	5,508	8,756
N Y	175	75	160	39.0	35.0	41.0	6,825	2,625	6,560
N C	200	180	210	30.0	33.0	36.0	6,000	5,940	7,560
N DAK	9,254	9,585	9,600	24.8	29.8	26.3	229,907	286,065	252,235
OHIO	1,540	1,125	1,320	47.0	39.0	48.0	72,380	43,875	63,360
OKLA	6,500	5,400	5,700	27.0	27.0	38.0	175,500	145,800	216,600
OREG	1,230	1,225	1,245	38.7	42.4	42.6	47,620	51,925	57,310
PA	270	245	262	33.0	33.0	31.0	8,910	8,085	8,122
S C	95	78	109	29.0	33.0	33.0	2,755	2,574	3,597
S DAK	3,016	3,090	2,805	23.9	21.4	21.4	71,964	66,000	60,060
TENN	280	220	295	36.0	35.0	34.0	10,080	7,700	10,030
TEX	4,700	2,700	4,600	25.0	20.0	30.0	117,500	54,000	138,000
UTAH	204	223	250	23.1	29.9	26.7	4,716	6,670	5,680
VA	205	155	180	31.0	35.0	35.0	6,355	5,425	6,300
WASH	2,985	2,910	2,980	33.9	44.9	39.6	101,305	130,760	118,000
W VA	10	9	10	31.0	33.0	34.0	310	297	340
WIS	75	45	54	41.0	34.7	40.0	3,075	1,560	2,162
WYO	281	294	287	20.0	25.9	22.1	5,620	7,606	6,354
U S	65,461	56,942	62,600	30.5	31.6	34.2	2,036,318	1,797,528	2,141,732

1/ ESTIMATES DISCONTINUED AFTER 1978 CROP.

WINTER WHEAT

STATE	AREA HARVESTED			YIELD			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES			BUSHELS			1,000 BUSHELS		
ALA	90	65	95	28.0	26.0	25.0	2,520	1,690	2,470
ARIZ	55	47	55	72.0	70.0	78.0	3,960	3,290	4,290
ARK	660	300	420	39.0	37.0	35.0	25,740	11,100	14,700
CALIF	650	600	780	64.0	62.0	70.0	41,600	37,200	54,600
COLO	2,550	2,490	2,600	22.0	23.0	26.0	56,100	57,270	67,600
DEL	35	25	30	30.0	35.0	34.0	1,050	875	1,020
FLA	13	12		29.0	36.0		377	432	
GA	100	120	160	33.0	32.0	35.0	3,300	3,840	5,600
IDAHO	830	815	850	39.0	54.0	42.0	32,370	44,010	35,700
ILL	1,570	930	1,300	43.0	38.0	43.0	67,510	35,340	55,900
IND	1,240	815	945	45.0	39.0	47.0	55,800	31,785	44,415
IOWA	109	45	72	37.0	31.0	37.0	4,033	1,395	2,664
KANS	12,100	10,200	10,800	28.5	30.0	38.0	344,850	306,000	410,400
KY	274	195	290	37.0	35.0	38.0	10,138	6,825	11,020
LA	25	17	27	34.0	36.0	28.0	850	612	756
MO	120	102	114	36.0	37.0	37.0	4,320	3,774	4,218
MICH	825	450	785	40.0	40.0	43.0	33,000	18,000	33,755
MINN	105	58	51	33.0	29.0	35.0	3,465	1,682	1,785
MISS	105	65	115	34.0	31.0	32.0	3,570	2,015	3,680
MO	1,760	840	1,600	39.0	34.0	44.0	68,640	28,560	70,400
MONT	2,800	2,700	2,250	29.0	31.0	25.5	81,200	83,700	57,375
NEBR	2,950	2,550	2,550	35.0	32.0	34.0	103,250	81,600	86,700
NEV	16	11	13	60.0	65.0	70.0	960	715	910
N J	42	33	41	31.0	36.0	36.0	1,302	1,188	1,476
N MEX	421	306	398	21.0	18.0	22.0	8,841	5,508	8,756
N Y	175	75	160	39.0	35.0	41.0	6,825	2,625	6,560
N C	200	180	210	30.0	33.0	36.0	6,000	5,940	7,560
N DAK	104	135	120	23.0	29.0	22.0	2,392	3,915	2,640
OHIO	1,540	1,125	1,320	47.0	39.0	48.0	72,380	43,875	63,360
OKLA	6,500	5,400	5,700	27.0	27.0	38.0	175,500	145,800	216,600
OREG	1,160	1,100	1,000	39.0	43.0	48.0	45,240	47,300	48,000
PA	270	245	262	33.0	33.0	31.0	8,910	8,085	8,122
S C	95	78	109	29.0	33.0	33.0	2,755	2,574	3,597
S DAK	680	700	550	25.0	26.0	19.0	17,000	18,200	10,450
TENN	280	220	295	36.0	35.0	34.0	10,080	7,700	10,030
TEX	4,700	2,700	4,600	25.0	20.0	30.0	117,500	54,000	138,000
UTAH	180	194	210	23.0	29.0	24.0	4,140	5,625	5,040
VA	205	155	180	31.0	35.0	35.0	6,355	5,425	6,300
WASH	2,800	2,600	2,200	34.0	46.0	43.0	95,200	119,600	94,600
W VA	10	9	10	31.0	33.0	34.0	310	297	340
WIS	60	33	38	43.0	36.0	43.0	2,580	1,188	1,634
WYO	260	275	267	20.0	26.0	22.0	5,200	7,150	5,874
U S	48,664	39,015	43,572	31.6	32.0	36.9	1,537,113	1,247,706	1,608,897

1/ ESTIMATES DISCONTINUED AFTER 1978 CROP.

DURUM WHEAT

STATE	AREA HARVESTED			YIELD			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES			BUSHELS			1,000 BUSHELS		
ARIZ	85	91	70	72.0	70.0	75.0	6,120	6,370	5,250
CALIF	28	115	45	75.0	75.0	80.0	2,100	8,625	3,600
MINN	82	98	77	34.5	38.5	37.0	2,829	3,773	2,849
MONT	220	290	325	22.0	30.0	21.0	4,840	8,700	6,825
N MEX 1/	4			74.0			296		
N DAK	2,470	3,240	3,250	24.5	31.5	26.0	60,515	102,060	84,500
S DAK	136	190	165	24.0	20.0	22.0	3,264	3,800	3,630
U S	3,025	4,024	3,932	26.4	33.1	27.1	79,964	133,328	106,654

1/ BEGINNING IN 1978 INCLUDED IN WINTER WHEAT.

OTHER SPRING WHEAT

STATE	AREA HARVESTED			YIELD			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES			BUSHELS			1,000 BUSHELS		
COLO	25	33	41	45.0	54.0	63.0	1,125	1,782	2,583
IDAHO	360	480	620	51.0	54.0	62.0	18,360	30,720	38,440
MINN	3,140	2,620	2,450	40.0	33.5	35.0	125,600	87,770	85,750
MONT	2,040	1,850	2,550	22.0	29.0	20.5	44,880	53,650	52,275
NEV	12	15	14	50.0	55.0	50.0	600	825	700
N DAK	6,580	6,210	6,230	25.0	29.0	26.5	167,000	180,090	165,095
OREG	70	125	245	34.0	37.0	38.0	2,380	4,625	9,310
S DAK	2,200	2,200	2,090	23.5	20.0	22.0	51,700	44,000	45,980
UTAH	24	29	40	24.0	36.0	41.0	576	1,044	1,640
WASH	185	310	780	33.0	36.0	30.0	6,105	11,160	23,400
WIS	15	12	16	33.0	31.0	33.0	495	372	528
WYO	21	19	20	20.0	24.0	24.0	420	456	480
U S	14,772	13,903	15,096	28.4	30.0	28.2	419,241	416,494	426,181

WHEAT PRODUCTION BY CLASSES, UNITED STATES

YEAR	WINTER			SPRING			TOTAL
	HARD RED	SOFT RED	WHITE	HARD RED	DURUM	WHITE	
	1,000 BUSHELS						
1977	992,446	350,152	190,515	397,603	79,964	21,638	2,036,318
1978	836,295	201,761	209,660	379,104	133,328	37,390	1,797,528
1979	1,093,275	321,079	194,543	364,477	106,654	61,704	2,141,732
1980 1/	992,650	346,359	228,808				

1/ INDICATED DEC 1, 1979.

RYE

STATE	AREA HARVESTED			YIELD			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES			BUSHEL			1,000 BUSHEL		
COLO	4	5	5	20.0	21.0	20.0	80	105	100
DEL	4	4	4	25.0	25.0	24.0	100	100	96
GA	95	110	110	21.0	23.0	21.0	1,995	2,530	2,310
ILL	15	16	17	22.0	23.0	23.0	330	368	391
IND	10	9	8	26.0	25.0	26.0	260	225	208
IOWA	4	5	5	29.0	30.0	29.0	116	150	145
KANS	10	15	18	18.0	21.0	28.0	180	315	504
KY	4	4	4	27.0	27.0	24.0	108	108	96
MD	8	9	9	29.0	30.0	29.0	232	270	261
MICH	19	25	25	24.0	24.0	25.0	456	600	625
MINN	84	98	91	29.0	24.0	25.0	2,436	2,352	2,275
MO	6	7	8	27.0	25.0	23.0	162	175	184
NEBR	50	53	50	21.0	19.0	22.0	1,050	1,007	1,100
N J	9	11	10	29.0	23.0	25.0	261	253	250
N Y	9	9	10	31.0	31.0	32.0	279	279	320
N C	21	20	20	19.0	23.0	23.0	399	460	460
N DAK	80	205	185	26.0	31.0	29.0	2,080	6,355	5,180
OHIO	8	8	8	31.0	30.0	30.0	248	240	240
OKLA	34	30	35	19.0	19.0	26.0	646	570	910
OREG	5	7	7	25.0	25.0	24.0	125	175	168
PA	12	16	17	31.0	32.0	27.0	372	512	459
S C	32	38	31	20.0	22.0	21.0	640	836	651
S DAK	120	220	210	29.0	31.0	30.0	3,480	6,820	6,300
TENN 1/1	2	2		23.0	19.0		46	38	
TEX	25	29	27	16.0	14.0	19.0	400	406	513
VA	14	17	16	25.0	25.0	24.0	350	425	384
WASH 1/1	3	3		20.0	21.0		60	63	
WIS	14	17	16	26.0	21.0	23.0	364	357	368
WYO	3	3	3	19.0	22.0	17.0	57	66	51
U S	704	995	949	24.6	26.3	25.9	17,312	26,160	24,549

1/ ESTIMATES DISCONTINUED AFTER 1978 CROP.

ALASKA

CROP	AREA HARVESTED			YIELD			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			BUSHEL			1,000 BUSHEL		
OATS FOR GRAIN	400	600	300	49.0	48.0	52.0	19.6	28.8	15.6
BARLEY FOR GRAIN	2,600	4,000	5,800	48.5	37.5	49.5	126.0	150.0	287.0

RICE

STATE	AREA HARVESTED			YIELD			PRODUCTION		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	1,000 ACRES			POUNDS			1,000 CWT		
<u>LONG GRAIN RICE</u>									
ARK	690.0	908.0	975.0	4,125	4,400	4,275	28,463	39,952	41,681
LA	174.0	238.0	285.0	3,625	3,850	3,875	6,308	9,163	11,044
MISS	109.0	213.0	206.0	4,000	4,250	4,050	4,360	9,052	8,343
MO	14.0	28.0	32.0	3,675	4,300	3,800	515	1,204	1,216
TEX	480.0	538.0	536.0	4,700	4,725	4,225	22,560	25,421	22,646
U S	1,467.0	1,925.0	2,034.0	4,240	4,405	4,176	62,206	84,792	84,930
<u>MEDIUM GRAIN RICE</u>									
ARK	128.0	150.0	125.0	4,700	4,625	4,750	6,016	6,937	5,938
CALIF	140.0	294.0	373.0	5,775	5,200	6,500	8,085	15,288	24,245
LA	301.0	349.0	243.0	3,700	3,800	3,950	11,137	13,262	9,599
MISS	2.0	2.0	1.0	4,000	4,300	4,100	80	86	41
MO	3.0	1.6	3.0	3,800	4,750	3,900	114	76	117
TEX	21.0	20.0	19.0	4,000	4,025	4,000	840	805	760
U S	595.0	816.6	764.0	4,415	4,464	5,327	26,272	36,454	40,700
<u>SHORT GRAIN RICE</u>									
ARK	19.0	32.0	30.0	4,825	5,050	5,125	917	1,616	1,538
CALIF	168.0	196.0	149.0	5,850	5,250	6,325	9,828	10,290	9,424
MO		0.4			4,500			18	
TEX			2.0			3,750			75
U S	187.0	228.4	181.0	5,746	5,221	6,098	10,745	11,924	11,037
<u>ALL RICE</u>									
ARK	837.0	1,090.0	1,130.0	4,230	4,450	4,350	35,396	48,505	49,157
CALIF	308.0	490.0	522.0	5,810	5,220	6,450	17,913	25,578	33,669
LA	475.0	587.0	528.0	3,670	3,820	3,910	17,445	22,425	20,643
MISS	111.0	215.0	207.0	4,000	4,250	4,050	4,440	9,138	8,384
MO	17.0	30.0	35.0	3,700	4,330	3,810	629	1,298	1,333
TEX	501.0	558.0	557.0	4,670	4,700	4,220	23,400	26,226	23,481
U S	2,249.0	2,970.0	2,979.0	4,412	4,484	4,588	99,223	133,170	136,667

WINTER WHEAT: Farmers in the U.S. seeded 56.8 million acres (23.0 million hectares) of winter wheat in the fall of 1979 for the 1980 crop. This is 9 percent more than last year's 51.9 million acres (21.0 million hectares) and 19 percent more than the acreage planted two years ago.

Winter wheat production for 1980, based on condition of the crop on December 1, 1979, is forecast at 1.57 billion bushels (42.7 million metric tons). This is 3 percent less than the production in 1979. Seeded yield is forecast at 27.6 bushels per acre. In comparison, last year's average was 31.0 bushels per planted acre.

Growers in the North Central region increased their acreage 8 percent over last year. Increases by States ranged from 3 percent in Nebraska to 26 percent in Missouri.

Western wheat growers increased acreage from last year by 3 percent. All States except Montana whose growers reduced acreage by 13 percent reported acreage equal to or greater than last year. The Washington acreage is up 5 percent and Oregon up 3 percent.

Northeast and Southern States increased winter wheat acreage by 16 percent from a year ago. The two major producing States in the Southern region, Oklahoma and Texas, increased acreage 7 and 17 percent, respectively.

Winter wheat seeding got underway in late August and had reached the half way mark by late September. Growers in the Northern Great Plains were able to complete planting earlier than in recent years. September rainfall was very sparse in most of Texas, Oklahoma, and Kansas causing farmers to delay planting or to plant in dry soil. Dry soils also slowed seedings in the Pacific Northwest early in October but rains late in the month improved conditions. Wet soils curbed early October seeding in most of the Corn Belt. Planting progress in Georgia was ahead of average and far ahead of last year's dry fall seeding. Plantings in the U.S. were near completion by mid-November except in California. In Kansas, some farmers had to reseed because of damage from heavy rains.

On December 1, 1979, most of the crop had emerged except in Kansas, Oklahoma, and Texas. Kansas wheat stands were short and uneven in central and south central areas, but good elsewhere. Snowcover was variable over the Northern Plains giving some protection from winter weather. Colorado's wheat crop for 1980 is off to an excellent start with excellent stands reported in most areas. The crop rated mostly good in Illinois and Indiana.

RYE: Growers seeded 2.65 million acres (1.07 million hectares) of rye for all purposes in the fall of 1979. This is 14 percent less than the 1979 crop plantings of 3.08 million acres (1.25 million hectares) and 11 percent below 1978 crop seedings. Georgia, the State with the largest acreage, reduced planting by 12 percent. Major rye grain producing States in the North Central area (Minnesota, Nebraska, North Dakota, and South Dakota) reduced planted acres 35 percent from last year.

Rye seeding in North Dakota made good progress this fall and was nearly complete by the end of September. Current condition of the crop in the Dakotas is only fair because of a dry fall. Seeding in the central and southern Plains States was delayed by dry weather and some farmers dusted in the seed. Crop condition is fair. Conditions in Georgia are considerably better than last year when soils were extremely dry. North Carolina growers were nearing completion of seeding by December 9, near normal for the State.

RELIABILITY OF DECEMBER 1 WINTER WHEAT PRODUCTION FORECAST

The winter wheat production forecast in this report is based on acreage and yield surveys conducted during November and early December. Acreage information was obtained through both a mailed survey and a probability area survey in which farmers were interviewed in person or by telephone. Yield forecasts are based on farmer appraisals of crop conditions obtained by a mail survey that centered on December 1. These surveys to obtain acreage and yield information are subject to sampling and non-sampling type errors that are common to all surveys. More importantly, the production forecast is subject to change due to future weather conditions and other factors that cannot be measured currently but directly affect final production.

To assist users in evaluating the reliability of the December 1 winter wheat production forecast, the "Root Mean Square Error", a statistical measure based on past performance, is computed. This is done by expressing the deviations between the December 1 production forecast and the final estimate as a percentage of the final estimate, and averaging the squared percentage deviations for the 1960-79 twenty-year period; the square root of the average becomes statistically the "Root Mean Square Error". Probability statements can be made concerning expected errors in the current forecast relative to the final end of season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent year forecasts.

The "Root Mean Square Error" for the December 1 winter wheat production forecast is 8.0 percent. This means that chances are 2 out of 3 that the current production forecast of 1568 million bushels will not be above or below the final estimate by more than 8.0 percent or approximately 125 million bushels. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 13.8 percent or approximately 216 million bushels. Differences between the December 1 winter wheat production forecast and the final estimate during the past 10 years (1970-79) have averaged 85 million bushels, ranging from virtually no change to 168 million bushels. The forecast was below the final estimate in 7 years and above in 3 years.

WINTER WHEAT

STATE	AREA SEEDED ^{1/}			1980 1979	PRODUCTION		
	CROP OF				CROP OF		
	1978	1979	1980		1978	1979	1980 ^{2/}
	1,000 ACRES			PERCENT	1,000 BUSHEL		
ALA	130	140	200	143	1,690	2,470	3,600
ARIZ	50	60	60	100	3,290	4,290	4,200
ARK	400	530	900	170	11,100	14,700	27,900
CALIF	650	820	1,100	134	37,200	54,600	63,800
COLO	3,000	3,200	3,500	109	57,270	67,600	84,000
DEL	29	32	38	119	875	1,020	1,254
FLA ^{3/}	17				432		
GA	160	190	400	211	3,840	5,600	10,800
IDAHO	870	980	980	100	44,010	35,700	38,220
ILL	1,050	1,360	1,570	115	35,340	55,900	59,660
IND	900	1,000	1,150	115	31,785	44,415	43,700
IOWA	60	85	100	118	1,395	2,664	3,000
KANS	11,300	12,100	12,800	106	306,000	410,400	332,800
KY	280	380	450	118	6,825	11,020	12,600
LA	40	48	60	125	612	756	960
MD	115	122	126	103	3,774	4,218	4,284
MICH	470	800	880	110	18,000	33,755	35,200
MINN	70	60	75	125	1,682	1,785	2,025
MISS	100	160	250	156	2,015	3,680	6,000
MO	960	1,780	2,250	126	28,560	70,400	72,000
MONT	2,900	3,000	2,600	87	83,700	57,375	72,800
NEBR	2,900	3,000	3,100	103	81,600	86,700	93,000
NEV	12	14	15	107	715	910	900
N J	48	51	52	102	1,188	1,476	1,716
N MEX	527	560	600	107	5,508	8,756	9,000
N Y	86	170	150	88	2,625	6,560	5,550
N C	220	235	300	128	5,940	7,560	8,700
N DAK	160	170	135	79	3,915	2,640	2,700
OHIO	1,200	1,350	1,500	111	43,875	63,360	55,500
OKLA	7,000	7,000	7,500	107	145,800	216,600	180,000
OREG	1,150	1,180	1,220	103	47,300	48,000	51,240
PA	255	270	260	96	8,085	8,122	8,320
S C	95	120	200	167	2,574	3,597	6,200
S DAK	1,080	1,080	1,150	106	18,200	10,450	16,100
TENN	310	400	500	125	7,700	10,030	13,000
TEX	5,700	5,800	6,800	117	54,000	138,000	88,400
UTAH	221	235	249	106	5,626	5,040	5,976
VA	205	215	235	109	5,425	6,300	6,815
WASH	2,800	2,850	3,000	105	119,600	94,600	126,000
W VA	11	12	11	92	297	340	297
WIS	35	40	50	125	1,188	1,634	1,800
WYO	327	320	325	102	7,150	5,874	7,800
U S	47,893	51,919	56,841	109	1,247,706	1,608,897	1,567,817

^{1/} TOTAL AREA SEEDED FOR ALL PURPOSES.

^{2/} INDICATED DEC 1, 1979.

^{3/} ESTIMATES DISCONTINUED AFTER 1978 CROP.

RYE

STATE	AREA SEEDED 1/			
	CROP OF			1980 1979
	1978	1979	1980	
	1,000 ACRES			PERCENT
COLO	30	42	29	69
DEL	35	40	34	85
GA	490	510	450	88
ILL	65	70	70	100
IND	40	40	35	88
IOWA	19	22	19	86
KANS	90	90	60	67
KY	59	66	54	82
MD	70	70	70	100
MICH	130	135	130	96
MINN	115	100	80	80
MO	47	55	40	73
NEBR	95	100	90	90
N J	76	79	78	99
N Y	105	107	98	92
N C	135	145	150	103
N DAK	220	210	100	48
OHIO	85	85	80	94
OKLA	190	200	200	100
OREG	36	40	42	105
PA	65	65	65	100
S C	125	130	126	97
S DAK	240	280	180	64
TENN 2/	24			
TEX	150	170	150	88
VA	180	180	170	94
WASH 2/	23			
WIS	40	40	40	100
WYO	6	6	6	100
U S	2,985	3,077	2,646	86

1/ TOTAL AREA SEEDED FOR ALL PURPOSES.

2/ ESTIMATES DISCONTINUED AFTER 1978 CROP.

I N D E X

	<u>PAGE</u>
ALASKA	B- 9
BARLEY	B- 5
OATS	B- 4
PLANTED ACREAGE	B- 1
RICE	B-10
RYE	B- 9
RYE (1980 CROP)	B-13
U S SUMMARY	A- 3
WHEAT, ALL	B- 6
WHEAT, BY CLASSES	B- 8
WHEAT, DURUM	B- 8
WHEAT, SPRING	B- 8
WHEAT, WINTER	B- 7
WHEAT, WINTER (1980 CROP)	B-12