

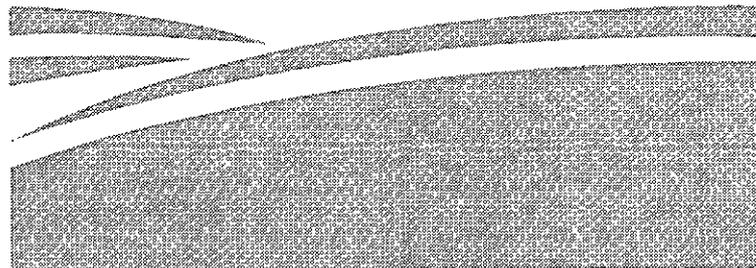
Washington, D.C.

Cr Pr 2-3 (97)

# Small Grains

## 1997 Summary

USDA



United States Department of Agriculture

---

**All wheat** production totaled 2.53 billion bushels in 1997, up 1 percent from the last forecast and 11 percent better than the 1996 crop. This is the biggest production since 1990 and the 5th largest on record. Area for grain increased slightly from September 1 to 63.6 million acres, up 1 percent from last year. The derived U.S. yield is a record high 39.7 bushels per acre. This is 3.4 bushels better than in 1996.

**Oat** production in 1997 totaled 176 million bushels, 13 percent above last year's record low crop. Despite the increased production over 1996, the 1997 crop is still the third lowest production on record since 1866. Yield per harvested acre for grain averaged 60.5 bushels, up 2.7 bushels from 1996 and the third highest yield on record. Area harvested for grain, at 2.91 million acres, was up 8 percent from last year, and is the second lowest harvested acreage since estimates were first made.

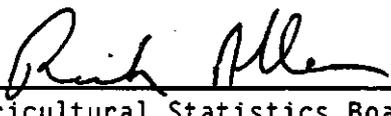
**Barley** production in 1997 was estimated at 374 million bushels, down 1 percent from the September forecast and 5 percent below last year's estimate. Average yield per acre, at 58.3 bushels, was down 0.2 bushels from 1996. The area harvested for grain was estimated at 6.43 million acres, 5 percent less than a year ago.

---

This report was approved on September 30, 1997.



Acting Secretary of  
Agriculture  
Richard E. Rominger



Agricultural Statistics Board  
Chairperson  
Rich Allen

Small Grains - Annual Summary: Area Planted,  
United States, 1995-97.  
(Domestic Units)

Crop	Area Planted		
	1995	1996 1/	1997
	1,000 Acres		
Oats	6,336	4,661	5,169
Barley	6,689	7,144	6,910
All Wheat	69,132	75,621	70,989
Winter	48,686	51,958	48,342
Durum	3,436	3,630	3,250
Other Spring	17,010	20,033	19,397
Rye	1,602	1,467	1,433

1/ Revised.

Small Grains - Annual Summary: Area Harvested,  
United States, 1995-97  
(Domestic Units)

Crop	Area Harvested		
	1995	1996 1/	1997
	1,000 Acres		
Oats	2,962	2,685	2,911
Barley	6,279	6,767	6,425
All Wheat	60,945	62,927	63,577
Winter	40,972	39,679	41,813
Durum	3,356	3,556	3,107
Other Spring	16,617	19,692	18,657
Rye	385	347	341

1/ Revised.

Small Grains - Annual Summary: Yield,  
United States, 1995-97  
(Domestic Units)

Crop	Yield		
	1995	1996 1/	1997
	Bushels		
Oats	54.7	57.8	60.5
Barley	57.3	58.5	58.3
All Wheat	35.8	36.3	39.7
Winter	37.7	37.2	45.0
Durum	30.5	32.6	27.7
Other Spring	32.2	35.1	29.9
Rye	26.1	26.0	26.1

1/ Revised.

Small Grains - Annual Summary: Production,  
United States, 1995-97  
(Domestic Units)

Crop	Production		
	1995	1996 1/	1997
	1,000 Bushels		
Oats	162,027	155,273	176,104
Barley	359,562	395,751	374,478
All Wheat	2,182,591	2,285,133	2,526,552
Winter	1,544,653	1,477,058	1,882,609
Durum	102,280	116,090	86,193
Other Spring	535,658	691,985	557,750
Rye	10,064	9,016	8,912

1/ Revised.

Small Grains - Annual Summary: Area Planted,  
United States, 1995-97  
(Metric Units)

Crop	Area Planted		
	1995	1996 1/	1997
	Hectares		
Oats	2,564,120	1,886,260	2,091,840
Barley	2,706,970	2,891,110	2,796,410
All Wheat	27,977,030	30,603,060	28,728,540
Winter	19,702,740	21,026,880	19,563,520
Durum	1,390,510	1,469,020	1,315,240
Other Spring	6,883,780	8,107,150	7,849,770
Rye	648,310	593,680	579,920

1/ Revised.

Small Grains - Annual Summary: Area Harvested,  
United States, 1995-97  
(Metric Units)

Crop	Area Harvested		
	1995	1996 1/	1997
	Hectares		
Oats	1,198,690	1,086,590	1,178,050
Barley	2,541,050	2,738,540	2,600,130
All Wheat	24,663,830	25,465,930	25,728,980
Winter	16,580,960	16,057,690	16,921,300
Durum	1,358,140	1,439,080	1,257,370
Other Spring	6,724,730	7,969,160	7,550,300
Rye	155,810	140,430	138,000

1/ Revised.

Small Grains - Annual Summary: Yield,  
United States, 1995-97  
(Metric Units)

Crop	Yield		
	1995	1996 1/	1997
	Metric Tons		
Oats	1.96	2.07	2.17
Barley	3.08	3.15	3.14
All Wheat	2.41	2.44	2.67
Winter	2.54	2.50	3.03
Durum	2.05	2.20	1.87
Other Spring	2.17	2.36	2.01
Rye	1.64	1.63	1.64

1/ Revised.

Small Grains - Annual Summary: Production,  
United States, 1995-97  
(Metric Units)

Crop	Production		
	1995	1996 1/	1997
	Metric Tons		
Oats	2,351,820	2,253,780	2,556,140
Barley	7,828,540	8,616,460	8,153,300
All Wheat	59,400,400	62,191,130	68,761,480
Winter	42,038,570	40,198,930	51,236,220
Durum	2,783,610	3,159,450	2,345,790
Other Spring	14,578,220	18,832,750	15,179,470
Rye	255,640	229,020	226,380

1/ Revised.

Oats: Area Planted and Harvested, by State  
and United States, 1995-97

State:	Area Planted 1/			Area Harvested		
	1995	1996	1997	1995	1996 2/	1997
	1,000 Acres					
AL	50	40	45	23	20	23
AR	20	30	20	18	25	17
CA	350	300	350	30	30	35
CO	95	80	70	33	35	28
GA	75	70	70	35	35	40
ID	90	60	80	20	25	20
IL	500	90	100	80	70	75
IN	90	40	60	30	25	35
IA	750	285	330	225	190	245
KS	130	130	130	80	80	80
ME	30	31	28	27	28	25
MD	8	9	15	6	7	11
MI	110	70	100	90	60	90
MN	625	320	410	375	270	310
MO	45	52	40	29	29	27
MT	145	100	140	80	50	70
NE	155	165	130	90	105	70
NY	110	90	120	90	75	110
NC	60	50	55	30	20	25
ND	650	530	700	450	380	400
OH	120	120	130	100	90	100
OK	60	50	85	20	18	45
OR	75	80	80	35	35	30
PA	190	160	190	160	135	160
SC	55	50	50	35	30	30
SD	350	450	430	250	360	310
TX	650	650	550	120	100	110
UT	50	45	50	9	9	9
WA	32	28	35	14	14	17
WV	8	6	6	5	3	4
WI	590	430	510	340	300	330
WY	68	50	60	33	32	30
US	6,336	4,661	5,169	2,962	2,685	2,911

1/ Includes area planted in preceding fall.

2/ Revised.

Oats: Yield and Production, by State  
and United States, 1995-97

State:	Yield			Production		
	1995	1996 1/	1997	1995	1996 1/	1997
	Bushels			1,000 Bushels		
AL	35.0	45.0	50.0	805	900	1,150
AR	85.0	72.0	75.0	1,530	1,800	1,275
CA	85.0	75.0	70.0	2,550	2,250	2,450
CO	62.0	52.0	68.0	2,046	1,820	1,904
GA	50.0	64.0	56.0	1,750	2,240	2,240
ID	80.0	75.0	75.0	1,600	1,875	1,500
IL	67.0	66.0	74.0	5,360	4,620	5,550
IN	68.0	64.0	60.0	2,040	1,600	2,100
IA	65.0	68.0	73.0	14,625	12,920	17,885
KS	47.0	52.0	64.0	3,760	4,160	5,120
ME	60.0	75.0	70.0	1,620	2,100	1,750
MD	61.0	62.0	60.0	366	434	660
MI	57.0	60.0	61.0	5,130	3,600	5,490
MN	48.0	56.0	58.0	18,000	15,120	17,980
MO	47.0	53.0	62.0	1,363	1,537	1,674
MT	59.0	40.0	55.0	4,720	2,000	3,850
NE	50.0	71.0	65.0	4,500	7,455	4,550
NY	59.0	57.0	70.0	5,310	4,275	7,700
NC	65.0	60.0	68.0	1,950	1,200	1,700
ND	48.0	50.0	45.0	21,600	19,000	18,000
OH	69.0	57.0	78.0	6,900	5,130	7,800
OK	39.0	36.0	46.0	780	648	2,070
OR	97.0	97.0	95.0	3,395	3,395	2,850
PA	59.0	56.0	59.0	9,440	7,560	9,440
SC	45.0	54.0	60.0	1,575	1,620	1,800
SD	46.0	60.0	55.0	11,500	21,600	17,050
TX	42.0	34.0	52.0	5,040	3,400	5,720
UT	70.0	72.0	74.0	630	648	666
WA	80.0	80.0	80.0	1,120	1,120	1,360
WV	42.0	50.0	50.0	210	150	200
WI	55.0	58.0	63.0	18,700	17,400	20,790
WY	64.0	53.0	61.0	2,112	1,696	1,830
US	54.7	57.8	60.5	162,027	155,273	176,104

1/ Revised.

Barley: Area Planted and Harvested, by State  
and United States, 1995-97

State:	Area Planted 1/			Area Harvested		
	1995	1996 2/	1997	1995	1996 2/	1997
	1,000 Acres					
AZ	25	55	70	21	54	67
CA	260	250	230	200	200	180
CO	110	100	95	100	92	90
DE	40	25	40	37	23	35
ID	780	750	780	760	730	760
KS	10	13	10	9	11	8
KY	18	22	16	15	20	14
MD	65	55	55	62	49	50
MI	25	28	26	23	25	24
MN	610	550	580	580	520	540
MT	1,300	1,300	1,300	1,200	1,200	1,200
NE	8	20	10	6	17	8
NV	6	6	5	4	5	4
NJ	5	3	5	5	3	4
NC	35	25	24	30	20	20
ND	2,300	2,650	2,400	2,250	2,600	2,250
OK	6	6	10	5	3	8
OR	105	160	130	95	150	120
PA	80	80	80	75	75	75
SC	6	5	4	5	4	3
SD	180	160	145	160	145	130
TX	15	16	10	7	11	5
UT	100	110	100	93	100	95
VA	100	90	80	80	75	65
WA	300	450	500	290	440	490
WI	100	90	80	72	75	65
WY	100	125	125	95	120	115
US	6,689	7,144	6,910	6,279	6,767	6,425

1/ Includes area planted in preceding fall.

2/ Revised.

Barley: Yield and Production, by State  
and United States, 1995-97

State:	Yield			Production		
	1995	1996 1/	1997	1995	1996 1/	1997
	----- Bushels -----			----- 1,000 Bushels -----		
AZ	90.0	105.0	102.0	1,890	5,670	6,834
CA	70.0	60.0	55.0	14,000	12,000	9,900
CO	100.0	108.0	112.0	10,000	9,936	10,080
DE	80.0	68.0	89.0	2,960	1,564	3,115
ID	80.0	73.0	79.0	60,800	53,290	60,040
KS	35.0	33.0	40.0	315	363	320
KY	70.0	74.0	75.0	1,050	1,480	1,050
MD	81.0	61.0	80.0	5,022	2,989	4,000
MI	50.0	48.0	60.0	1,150	1,200	1,440
MN	50.0	64.0	51.0	29,000	33,280	27,540
MT	52.0	43.0	53.0	62,400	51,600	63,600
NE	37.0	53.0	51.0	222	901	408
NV	80.0	95.0	105.0	320	475	420
NJ	65.0	60.0	75.0	325	180	300
NC	60.0	65.0	70.0	1,800	1,300	1,400
ND	45.0	55.0	45.0	101,250	143,000	101,250
OK	34.0	23.0	42.0	170	69	336
OR	76.0	64.0	69.0	7,220	9,600	8,280
PA	69.0	67.0	68.0	5,175	5,025	5,100
SC	42.0	50.0	60.0	210	200	180
SD	38.0	44.0	38.0	6,080	6,380	4,940
TX	46.0	34.0	47.0	322	374	235
UT	90.0	82.0	86.0	8,370	8,200	8,170
VA	84.0	68.0	85.0	6,720	5,100	5,525
WA	72.0	62.0	76.0	20,880	27,280	37,240
WI	48.0	53.0	55.0	3,456	3,975	3,575
WY	89.0	86.0	80.0	8,455	10,320	9,200
US	57.3	58.5	58.3	359,562	395,751	374,478

1/ Revised.

All Wheat: Area Planted and Harvested, by State  
and United States, 1995-97

State:	Area Planted 1/			Area Harvested		
	1995	1996 2/	1997	1995	1996 2/	1997
	1,000 Acres					
AL	120	110	140	80	80	100
AZ	125	180	100	122	178	98
AR	1,100	1,300	880	1,000	1,240	820
CA	650	780	655	493	688	544
CO	2,940	3,070	3,153	2,738	2,268	2,900
DE	70	80	75	68	78	73
FL	20	13	17	12	10	15
GA	350	400	400	300	350	360
ID	1,410	1,620	1,510	1,330	1,560	1,440
IL	1,480	1,650	1,200	1,390	1,100	1,150
IN	700	850	700	660	720	660
IA	50	60	30	35	45	27
KS	11,700	11,800	11,400	11,000	8,800	11,000
KY	650	700	700	460	530	530
LA	100	140	130	80	130	115
MD	230	235	220	225	227	215
MI	630	700	550	620	630	540
MN	2,298	2,595	2,520	2,245	2,542	2,465
MS	180	245	200	165	230	175
MO	1,350	1,600	1,100	1,230	1,250	1,040
MT	5,720	6,640	6,240	5,435	6,360	5,930
NE	2,150	2,300	2,000	2,100	2,100	1,900
NV	12	21	18	10	19	16
NJ	36	46	35	32	38	34
NM	460	470	430	150	110	285
NY	130	160	140	125	150	135
NC	720	630	730	640	590	670
ND	11,290	12,680	11,570	11,118	12,515	11,025
OH	1,230	1,400	1,200	1,210	1,330	1,090
OK	6,900	7,000	6,800	5,200	4,900	5,400
OR	980	990	1,005	904	955	970
PA	190	195	180	185	190	175
SC	300	280	310	280	270	300
SD	2,883	4,325	4,170	2,752	3,854	3,469
TN	600	620	560	340	400	370
TX	5,800	6,000	6,300	2,800	2,900	4,100
UT	173	205	200	166	188	189
VA	300	300	280	275	275	250
WA	2,700	2,800	2,700	2,595	2,745	2,595
WV	15	14	13	12	11	9
WI	155	157	153	143	135	142
WY	235	260	275	220	236	256
US	69,132	75,621	70,989	60,945	62,927	63,577

1/ Includes area planted in preceding fall.  
2/ Revised.

All Wheat: Yield and Production, by State  
and United States, 1995-97

State:	Yield			Production		
	1995	1996 1/	1997	1995	1996 1/	1997
	----- Bushels -----			----- 1,000 Bushels -----		
AL	36.0	44.0	42.0	2,880	3,520	4,200
AZ	84.9	90.4	89.5	10,354	16,090	8,775
AR	47.0	54.0	48.0	47,000	66,960	39,360
CA	66.4	75.2	80.3	32,725	51,750	43,680
CO	38.4	33.3	32.7	105,260	75,500	94,700
DE	64.0	53.0	73.0	4,352	4,134	5,329
FL	32.0	38.0	39.0	384	380	585
GA	38.0	48.0	44.0	11,400	16,800	15,840
ID	77.7	76.4	79.2	103,320	119,200	114,060
IL	49.0	38.0	61.0	68,110	41,800	70,150
IN	60.0	38.0	58.0	39,600	27,360	38,280
IA	35.0	35.0	42.0	1,225	1,575	1,134
KS	26.0	29.0	46.0	286,000	255,200	506,000
KY	53.0	53.0	54.0	24,380	28,090	28,620
LA	36.0	43.0	37.0	2,880	5,590	4,255
MD	64.0	52.0	68.0	14,400	11,804	14,620
MI	60.0	38.0	62.0	37,200	23,940	33,480
MN	32.0	41.9	32.0	71,849	106,582	78,890
MS	38.0	49.0	43.0	6,270	11,270	7,525
MO	39.0	39.0	55.0	47,970	48,750	57,200
MT	36.0	27.8	31.3	195,750	176,960	185,630
NE	41.0	35.0	37.0	86,100	73,500	70,300
NV	85.0	86.8	98.4	850	1,650	1,575
NJ	57.0	46.0	60.0	1,824	1,748	2,040
NM	22.0	37.0	35.0	3,300	4,070	9,975
NY	55.0	43.0	56.0	6,875	6,450	7,560
NC	44.0	44.0	52.0	28,160	25,960	34,840
ND	27.0	31.6	24.3	300,300	395,130	267,695
OH	61.0	39.0	63.0	73,810	51,870	68,670
OK	21.0	19.0	33.0	109,200	93,100	178,200
OR	66.9	70.8	65.4	60,438	67,605	63,430
PA	55.0	48.0	52.0	10,175	9,120	9,100
SC	32.0	45.0	50.0	8,960	12,150	15,000
SD	33.0	36.1	28.6	90,736	139,270	99,213
TN	47.0	44.0	45.0	15,980	17,600	16,650
TX	27.0	26.0	29.0	75,600	75,400	118,900
UT	53.9	41.3	48.5	8,950	7,760	9,174
VA	64.0	53.0	68.0	17,600	14,575	17,000
WA	59.3	66.5	64.8	153,770	182,670	168,080
WV	52.0	45.0	54.0	624	495	486
WI	56.4	42.4	56.9	8,070	5,725	8,075
WY	36.2	25.6	32.3	7,960	6,030	8,276
US	35.8	36.3	39.7	2,182,591	2,285,133	2,526,552

1/ Revised.

Winter Wheat: Area Planted and Harvested, by State  
and United States, 1995-97

State:	Area Planted 1/			Area Harvested		
	1995	1996 2/	1997	1995	1996 2/	1997
	1,000 Acres					
AL	120	110	140	80	80	100
AZ	25	15	10	23	14	9
AR	1,100	1,300	880	1,000	1,240	820
CA	580	640	510	425	550	400
CO	2,900	3,000	3,100	2,700	2,200	2,850
DE	70	80	75	68	78	73
FL	20	13	17	12	10	15
GA	350	400	400	300	350	360
ID	830	900	920	770	860	870
IL	1,480	1,650	1,200	1,390	1,100	1,150
IN	700	850	700	660	720	660
IA	50	60	30	35	45	27
KS	11,700	11,800	11,400	11,000	8,800	11,000
KY	650	700	700	460	530	530
LA	100	140	130	80	130	115
MD	230	235	220	225	227	215
MI	630	700	550	620	630	540
MN	35	35	65	33	32	60
MS	180	245	200	165	230	175
MO	1,350	1,600	1,100	1,230	1,250	1,040
MT	1,500	2,150	1,600	1,370	1,980	1,450
NE	2,150	2,300	2,000	2,100	2,100	1,900
NV	5	10	12	4	9	11
NJ	36	46	35	32	38	34
NM	460	470	430	150	110	285
NY	130	160	140	125	150	135
NC	720	630	730	640	590	670
ND	40	80	70	38	75	55
OH	1,230	1,400	1,200	1,210	1,330	1,090
OK	6,900	7,000	6,800	5,200	4,900	5,400
OR	860	880	870	790	850	840
PA	190	195	180	185	190	175
SC	300	280	310	280	270	300
SD	1,600	2,000	1,650	1,520	1,580	1,050
TN	600	620	560	340	400	370
TX	5,800	6,000	6,300	2,800	2,900	4,100
UT	145	175	170	140	160	160
VA	300	300	280	275	275	250
WA	2,250	2,400	2,250	2,150	2,350	2,150
WV	15	14	13	12	11	9
WI	145	145	145	135	125	135
WY	210	230	250	200	210	235
US	48,686	51,958	48,342	40,972	39,679	41,813

1/ Includes area planted in preceding fall.  
2/ Revised.

Winter Wheat: Yield and Production, by State  
and United States, 1995-97

State:	Yield			Production		
	1995	1996 1/	1997	1995	1996 1/	1997
	Bushels			1,000 Bushels		
AL	36.0	44.0	42.0	2,880	3,520	4,200
AZ	80.0	95.0	85.0	1,840	1,330	765
AR	47.0	54.0	48.0	47,000	66,960	39,360
CA	61.0	69.0	75.0	25,925	37,950	30,000
CO	38.0	32.0	32.0	102,600	70,400	91,200
DE	64.0	53.0	73.0	4,352	4,134	5,329
FL	32.0	38.0	39.0	384	380	585
GA	38.0	48.0	44.0	11,400	16,800	15,840
ID	76.0	80.0	80.0	58,520	68,800	69,600
IL	49.0	38.0	61.0	68,110	41,800	70,150
IN	60.0	38.0	58.0	39,600	27,360	38,280
IA	35.0	35.0	42.0	1,225	1,575	1,134
KS	26.0	29.0	46.0	286,000	255,200	506,000
KY	53.0	53.0	54.0	24,380	28,090	28,620
LA	36.0	43.0	37.0	2,880	5,590	4,255
MD	64.0	52.0	68.0	14,400	11,804	14,620
MI	60.0	38.0	62.0	37,200	23,940	33,480
MN	33.0	36.0	32.0	1,089	1,152	1,920
MS	38.0	49.0	43.0	6,270	11,270	7,525
MO	39.0	39.0	55.0	47,970	48,750	57,200
MT	40.0	32.0	39.0	54,800	63,360	56,550
NE	41.0	35.0	37.0	86,100	73,500	70,300
NV	100.0	100.0	100.0	400	900	1,100
NJ	57.0	46.0	60.0	1,824	1,748	2,040
NM	22.0	37.0	35.0	3,300	4,070	9,975
NY	55.0	43.0	56.0	6,875	6,450	7,560
NC	44.0	44.0	52.0	28,160	25,960	34,840
ND	30.0	30.0	21.0	1,140	2,250	1,155
OH	61.0	39.0	63.0	73,810	51,870	68,670
OK	21.0	19.0	33.0	109,200	93,100	178,200
OR	69.0	72.0	67.0	54,510	61,200	56,280
PA	55.0	48.0	52.0	10,175	9,120	9,100
SC	32.0	45.0	50.0	8,960	12,150	15,000
SD	37.0	35.0	30.0	56,240	55,300	31,500
TN	47.0	44.0	45.0	15,980	17,600	16,650
TX	27.0	26.0	29.0	75,600	75,400	118,900
UT	50.0	38.0	49.0	7,000	6,080	7,840
VA	64.0	53.0	68.0	17,600	14,575	17,000
WA	62.0	70.0	67.0	133,300	164,500	144,050
WV	52.0	45.0	54.0	624	495	486
WI	58.0	43.0	58.0	7,830	5,375	7,830
WY	36.0	25.0	32.0	7,200	5,250	7,520
US	37.7	37.2	45.0	1,544,653	1,477,058	1,882,609

1/ Revised.

Other Spring Wheat: Area Planted, Harvested, Yield, and Production  
by State and United States, 1995-97

State:	Area Planted			Area Harvested		
	1995	1996 1/	1997	1995	1996 1/	1997
	1,000 Acres					
CO	40	70	53	38	68	50
ID	580	720	590	560	700	570
MN	2,250	2,550	2,450	2,200	2,500	2,400
MT	3,950	4,200	4,350	3,800	4,100	4,200
NV	7	11	6	6	10	5
ND	8,300	9,600	8,800	8,200	9,500	8,400
OR	120	110	135	114	105	130
SD	1,250	2,300	2,500	1,200	2,250	2,400
UT	28	30	30	26	28	29
WA	450	400	450	445	395	445
WI	10	12	8	8	10	7
WY	25	30	25	20	26	21
US	17,010	20,033	19,397	16,617	19,692	18,657
	Yield			Production		
	1995	1996 1/	1997	1995	1996 1/	1997
	----- Bushels -----			----- 1,000 Bushels -----		
CO	70.0	75.0	70.0	2,660	5,100	3,500
ID	80.0	72.0	78.0	44,800	50,400	44,460
MN	32.0	42.0	32.0	70,400	105,000	76,800
MT	35.0	26.0	29.0	133,000	106,600	121,800
NV	75.0	75.0	95.0	450	750	475
ND	27.0	33.0	25.0	221,400	313,500	210,000
OR	52.0	61.0	55.0	5,928	6,405	7,150
SD	28.0	37.0	28.0	33,600	83,250	67,200
UT	75.0	60.0	46.0	1,950	1,680	1,334
WA	46.0	46.0	54.0	20,470	18,170	24,030
WI	30.0	35.0	35.0	240	350	245
WY	38.0	30.0	36.0	760	780	756
US	32.2	35.1	29.9	535,658	691,985	557,750

1/ Revised.

Durum Wheat: Area Planted, Harvested, Yield, and Production  
by State and United States, 1995-97

State:	Area Planted			Area Harvested		
	1995	1996 1/	1997	1995	1996 1/	1997
1,000 Acres						
AZ	100	165	90	99	164	89
CA	70	140	145	68	138	144
MN	13	10	5	12	10	5
MT	270	290	290	265	280	280
ND	2,950	3,000	2,700	2,880	2,940	2,570
SD	33	25	20	32	24	19
US	3,436	3,630	3,250	3,356	3,556	3,107
	Yield			Production		
	1995	1996 1/	1997	1995	1996 1/	1997
Bushels			1,000 Bushels			
AZ	86.0	90.0	90.0	8,514	14,760	8,010
CA	100.0	100.0	95.0	6,800	13,800	13,680
MN	30.0	43.0	34.0	360	430	170
MT	30.0	25.0	26.0	7,950	7,000	7,280
ND	27.0	27.0	22.0	77,760	79,380	56,540
SD	28.0	30.0	27.0	896	720	513
US	30.5	32.6	27.7	102,280	116,090	86,193

1/ Revised.

Wheat: Production by Class, United States, 1995-1997 1/

Year	Winter			Spring			Total
	Hard Red	Soft Red	White	Hard Red	Durum	White	
1,000 Bushels							
1995	825,042	455,568	264,043	475,046	102,280	60,612	2,182,591
1996 2/	761,412	422,019	293,627	630,866	116,090	61,119	2,285,133
1997	1,120,891	483,890	277,828	500,643	86,193	57,107	2,526,552

1/ Wheat class estimates are based on the latest varietal data available.

2/ Revised.

Wheat Class Percentage Estimates

The following percentages are the basis for the U.S. wheat production by class estimates each year. These estimates are based on the latest varietal survey data available. The percentages used for the 1997 end-of-season production by class estimates will be used during the 1998 forecast season. However, if an unusual situation significantly distorts a State's typical distribution, then updated percentages are used during the forecasts. (Note: Idaho, Oregon, and Washington use production percents).

Wheat: Acreage Distribution, by Class, by States, 1996-97

State	Winter						Other Spring			
	Hard Red		Soft Red		White		Hard Red		White	
	1996	1997	1996	1997	1996	1997	1996	1997	1996	1997
	Percent									
AL			100	100						
AZ	100	100								
AR			100	100						
CA	86	86			14	14				
CO	100	100					84	84	16	16
DE			100	100						
FL			100	100						
GA			100	100						
ID	15	13			85	87	20	30	80	70
IL	2	2	98	98						
IN			100	100						
IA	70	70	30	30						
KS	99	99	1	1						
KY	4	4	96	96						
LA	2	2	98	98						
MD			100	100						
MI			50	50	50	50				
MN	100	100					100	100		
MS			100	100						
MO	3	3	97	97						
MT	98	99			2	1	99	99	1	1
NE	100	100								
NV					100	100	12	12	88	88
NJ			100	100						
NM	100	100								
NY	1	1	2	2	97	97				
NC			100	100						
ND	100	100					100	100		
OH			100	100						
OK	99	99	1	1						
OR	1	2			99	98	13	15	87	85
PA			100	100						
SC			100	100						
SD	100	100					100	100		
TN			100	100						
TX	94	94	6	6						
UT	93	93			7	7	71	71	29	29
VA			100	100						
WA	10	9			90	91	33	28	67	72
WV			100	100						
WI			93	93	7	7	100	100		
WY	100	100					97	97	3	3

Winter Wheat: Head Population

The National Agricultural Statistics Service conducted objective yield surveys in 10 winter wheat States this year. Randomly selected plots in winter wheat fields were visited monthly from May through harvest to obtain specific counts and measurements. Data in this table are derived actual field counts and as such are not official estimates.

Winter Wheat: Heads per Square Foot,  
Selected States, 1993-97

State and Month :		1993	:	1994	:	1995	:	1996	:	1997
		Number								
CO	July	40.0	:	41.6	:	52.9	:	33.5	:	41.5
	Final	39.7	:	41.6	:	51.6	:	33.5	:	41.3
IL	July	46.8	:	45.8	:	56.4	:	40.2	:	56.7
	Final	46.0	:	45.8	:	56.4	:	40.2	:	56.6
KS	July	50.2	:	49.6	:	54.5	:	35.5	:	48.1
	Final	49.1	:	49.6	:	55.0	:	35.6	:	48.1
MO	July	44.9	:	39.4	:	49.8	:	42.8	:	53.8
	Final	44.7	:	39.4	:	49.8	:	43.3	:	53.8
MT	July	34.6	:	31.0	:	31.0	:	29.3	:	30.9
	Final	35.3	:	31.4	:	33.7	:	28.7	:	32.3
NE	July	50.4	:	45.7	:	60.3	:	42.9	:	48.4
	Final	49.8	:	45.9	:	58.8	:	42.6	:	47.9
OH	July	43.1	:	47.1	:	53.9	:	43.1	:	53.6
	Final	42.8	:	47.1	:	52.9	:	43.6	:	53.5
OK	July	45.1	:	48.0	:	43.4	:	32.5	:	52.8
	Final	45.1	:	48.0	:	43.4	:	32.5	:	53.2
TX	July	35.3	:	35.6	:	37.9	:	32.2	:	42.9
	Final	35.4	:	35.8	:	38.2	:	32.3	:	42.3
WA	July	31.1	:	32.0	:	29.3	:	38.1	:	32.8
	Final	30.7	:	31.9	:	29.3	:	37.9	:	32.9

Rye: Area Planted and Harvested, by State  
and United States, 1995-97

State:	Area Planted 1/			Area Harvested		
	1995	1996 2/	1997	1995	1996 2/	1997
	1,000 Acres					
CO	15	28	28	2	3	3
GA	300	300	300	55	70	65
IL	55	50	55	8	6	8
IN	20	20	15	4	2	2
KS	100	60	50	20	5	10
MD	30	25	25	5	2	3
MI	90	80	80	16	13	16
MN	30	25	25	21	20	21
NE	60	50	45	20	22	17
NJ	40	25	20	8	3	5
NY	42	49	40	9	8	8
NC	100	90	80	25	20	15
ND	25	20	25	22	16	23
OH	45	35	30	5	3	3
OK	180	200	200	45	60	55
PA	50	60	50	10	6	10
SC	50	40	35	20	20	15
SD	55	40	40	50	36	35
TX	150	120	130	20	10	10
VA	90	80	80	5	10	5
WI	75	70	80	15	12	12
US	1,602	1,467	1,433	385	347	341

1/ Includes area planted in preceding fall.

2/ Revised.

Rye: Yield and Production, by State  
and United States, 1995-97

State:	Yield			Production		
	1995	1996 1/	1997	1995	1996 1/	1997
	----- Bushels -----			-- -- -- 1,000 Bushels -- -- --		
CO	30.0	25.0	23.0	60	75	69
GA	21.0	26.0	22.0	1,155	1,820	1,430
IL	30.0	31.0	30.0	240	186	240
IN	29.0	22.0	32.0	116	44	64
KS	20.0	30.0	30.0	400	150	300
MD	34.0	25.0	21.0	170	50	63
MI	34.0	27.0	26.0	544	351	416
MN	29.0	24.0	26.0	609	480	546
NE	24.0	19.0	20.0	480	418	340
NJ	38.0	27.0	35.0	304	81	175
NY	35.0	28.0	32.0	315	224	256
NC	20.0	25.0	28.0	500	500	420
ND	33.0	33.0	29.0	726	528	667
OH	36.0	31.0	43.0	180	93	129
OK	18.0	15.0	23.0	810	900	1,265
PA	33.0	36.0	40.0	330	216	400
SC	22.0	26.0	29.0	440	520	435
SD	33.0	41.0	21.0	1,650	1,476	735
TX	19.0	19.0	33.0	380	190	330
VA	35.0	33.0	40.0	175	330	200
WI	32.0	32.0	36.0	480	384	432
US	26.1	26.0	26.1	10,064	9,016	8,912

1/ Revised.

**Oats:** Production of oats in 1997 totaled 176 million bushels, 13 percent above last year's record low crop. Despite the increased production over 1996, the 1997 crop is still the third lowest production on record since 1866. Grain yield per harvested acre averaged 60.5 bushels, up 2.7 bushels from 1996 and the third highest yield on record. Area harvested for grain, at 2.91 million acres, was up 8 percent from last year, and is the second lowest harvested acreage since estimates were first made.

Final oat production was down 6 percent from the forecast in the August "**Crop Production**" report. Harvested acres declined 10% from last month's estimate. In North Dakota, harvested area declined due to a regional hay shortage and low grain yields. Similar circumstances were reported in several other States in the northern Plains and upper Mississippi Valley. Yield was up 2.4 bushels from the August forecast. In North Dakota and surrounding States, the lowest yielding acres were harvested for hay, thus increasing yield. Also, oat growers in several eastern Corn Belt States realized record or near record yields.

The start of oat planting was delayed by extensive flooding in the Red River Valley of North Dakota and Minnesota. Cool, wet soils in the Northwest also delayed planting. Soil moisture supplies were adequate for the growing season, except in the northern Plains. There hot, dry weather allowed the crop to catch up to the normal pace of development but stressed the crop during critical stages of growth. During August, generally hot, dry weather across the U.S. provided ideal harvest condition. Oats harvested in the 9 major producing States was 91 percent complete by August 31, 5 percentage points ahead of the 5-year average.

**Barley:** Production in 1997 was estimated at 374 million bushels, down 5 percent from last year's estimate. Average yield per acre, at 58.3 bushels, was down 0.2 bushels from 1996. The area harvested for grain was estimated at 6.43 million acres, 5 percent less than a year ago.

Production was 1 percent below the September 1 forecast. Area harvested increased slightly from the previous forecast, but average yield per acre declined one bushel.

North Dakota continued to rank as the number one barley producing State, followed by Montana, Idaho, Washington, and Minnesota. These five States produced over three-fourths of the 1997 barley crop. Harvest in North Dakota began winding down through September, on pace with a year ago but ahead of normal. Acres harvested for other uses or abandoned increased from the previous year due to dry conditions in the western portion of the State, head disease in the east, and a regional shortage of hay. North Dakota yields dropped 10 bushels from 1996 to 45.0 bushels per acre. Conversely, yields in Montana increased 10 bushels over 1996 as timely rains during the growing season helped set the stage for an excellent year. The eastern portion of the State experienced some drought like conditions early in the summer, but late rains proved beneficial and boosted yields. Spring field preparation progressed at a much slower rate across Washington due to cold, wet conditions. Seedings progressed at a below normal rate early in the season, but reached normal progress by mid-May. The crop was slower to develop due to cool temperatures, but conditions throughout most of the year were rated as good to excellent. Average yield in Washington, at 76.0 bushels per acre, surpassed the previous record of 75.0 bushels set in 1980.

**Winter Wheat:** The 1997 winter wheat production was estimated at 1.88 billion bushels, up 1 percent from the August forecast and 27 percent more than 1996. This is the largest production level since 1990. Yields averaged

a record high 45.0 bushels per acre. This is up 0.4 bushels from the last forecast and nearly eight bushels per acre better than the 1996 average. Harvested area was estimated at 41.8 million acres, up 1 and 5 percent from August and last year, respectively, largely due to an increase in the Kansas harvested area.

Hard Red Winter yields were generally unchanged from August 1. Final survey data confirmed Kansas' record crop and that Oklahoma had averaged the highest yield per acre since 1988. Colorado and South Dakota growers averaged a bushel less than the last forecast. But Montana's final yield increased two bushels per acre.

Most Soft Red Winter producing states enjoyed better yields than had been expected earlier. Spectacular increases were noted in the Delmarva region, New Jersey and West Virginia resulting in record or near records in all cases. The Carolina yields were unchanged and equaled record highs. The Illinois and Ohio yields are new record highs. Missouri's average yield dropped to 55 - still an all time high.

Washington growers' average yields were up from the August forecast while Oregon's dropped. Idaho's average equals the previous record high, as does New York's. Michigan yields were at a new high average.

**Other Spring Wheat:** Production in 1997 was estimated at 558 million bushels, down 1 percent from the September forecast and 19 percent less than in 1996. Harvested area was 18.7 million acres, down 5 percent from last year. A decrease in North Dakota more than offset the Minnesota increased grain area. The U.S. yield was 29.9 bushels per acre, down a tenth of a bushel from September, and 5.2 bushels per acre below last season's average. This is the lowest U.S. yield since 1989.

Harvest progress neared, or was at completion in most states as of September 21. The predominantly White spring growing area in the Pacific Northwest realized better than expected yields with Idaho up 5 bushels and Washington up one from the last forecast. The Washington yields equal the record high for spring wheat. Hard Red Spring states yields ended up a little lower than the last forecast as both Minnesota and South Dakota declined a bushel. Objective Yield survey data showed little change in head populations and in gross weight from earlier in the month.

**Durum wheat:** Durum production for 1997 was estimated to total 86.2 million bushels, down 4 percent from the last forecast and 26 percent less than in 1996. The U.S. yield is placed at 27.7 bushels per acre, down 0.4 bushels from the last forecast to the lowest average in eight years. Area for grain now totals 3.11 million acres, down 3 and 13 percent from the last forecast and 1996, respectively. As of September 21, 92 percent of the North Dakota Durum area was combined. This compares to 80 percent last year and the 70 percent average.

**Rye:** Production for 1997 was estimated at 8.91 million bushels, down 1 percent from 1996. Harvested area was 341,000 acres, down 2 percent. The U.S. yield was placed at 26.1 bushels per acre, up 0.1 bushels from 1996. Both the area and production level are the lowest on record.

**Index**

	Page	
	Tables	Narrative
Crop Summary.....	A-2	
Oats.....	A-6	B-1
Barley.....	A-8	B-1
Rye.....	A-18	B-2
Wheat, All.....	A-10	
Wheat, Durum.....	A-14	B-2
Wheat, Other Spring.....	A-14	B-2
Wheat, Winter.....	A-12	B-1

The next "**Small Grains Summary**" report will be released in September 1998.

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, USDA, Washington, D.C., 20250, or call 1-800-245-6340 (voice) or 202-720-1127 (TDD). USDA is an equal employment opportunity employer.

## **ACCESS TO REPORTS!!**

---

For your convenience, there are several ways to obtain NASS reports, data products, and services:

### **INTERNET ACCESS**

All NASS reports are available free of charge on the worldwide Internet. For access, connect to the Internet and go to the NASS Home Page at: <http://www.usda.gov/nass/>. Select "Today's Reports" or Publications and then Reports by Calendar or Publications and then Search, by Title or Subject.

### **E-MAIL SUBSCRIPTION**

All NASS reports are available by subscription free of charge direct to your e-mail address. Send an e-mail message to: [usda-reports@usda.mannlib.cornell.edu](mailto:usda-reports@usda.mannlib.cornell.edu). In the body of the message type the word: **list**.

### **AUTOFAX ACCESS**

NASSFax service is available for some reports from your fax machine. Please call 202-720-2000, using the handset attached to your fax. Respond to the voice prompts. Document 0411 is a list of available reports.

-----

### **PRINTED REPORTS OR DATA PRODUCTS**

CALL OUR TOLL-FREE ORDER DESK: 800-999-6779 (U.S. and Canada)  
Other areas, please call 703-834-0125      FAX: 703-834-0110  
(Visa, MasterCard, check, or money order acceptable for payment.)

-----

### **ASSISTANCE**

For **assistance** with general agricultural statistics or further information about NASS or its products or services, contact the **Agricultural Statistics Hotline** at 800-727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

---