



United States
Department of
Agriculture

National
Agricultural
Statistics
Service



Small Grains 1999 Summary

September 1999

Cr Pr 2-3 (99)

USDA



Wheat production totaled 2.32 billion bushels in 1999, up less than 1 percent from the last forecast, but down 9 percent from 1998. Most of the production increase from the last forecast is due to the change in winter wheat production. Grain area is 54.3 million acres, down 8 percent from last year. The U.S. yield is 42.7 bushels per acre, down half a bushel from last year's record high.

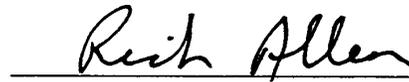
Oats production for the 1999 crop year is forecast at 147.9 million bushels, 11 percent smaller than the 1998 production. This is the lowest production since records were first kept in 1866. The forecasted yield, at 60.0 bushels per acre, is slightly below last year's 60.2 bushel yield. Area harvested and to be harvested for grain in 1999 is 2.47 million acres, 11 percent below 1998. This is the smallest acreage harvested for grain on record.

Barley production in 1999 is estimated at 284 million bushels, up 1 percent from the last forecast but down 19 percent from last year's estimate. This is the lowest production since 1953. Average yield per acre, at 59.5 bushels, is down 0.5 bushels from 1998. The area harvested for grain is estimated at 4.78 million acres, 19 percent less than a year ago. This is the lowest acreage since 1900.

This report was approved on September 30, 1999.



Acting Secretary of
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Richard E. Rominger



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**Oats: Area Planted and Harvested, by State
and United States, 1997-99**

State	Area Planted ¹			Area Harvested		
	1997	1998	1999	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
AL	35	35	40	20	17	20
AR	12	10	13	10	9	11
CA	350	320	275	30	30	30
CO	70	90	50	25	25	20
GA	65	50	60	30	25	25
ID	80	80	80	21	30	25
IL	100	85	75	75	70	60
IN	60	50	40	30	30	25
IA	330	280	250	230	185	175
KS	130	110	120	80	60	70
ME	26	25	27	23	24	22
MD	9	9	8	7	7	5
MI	95	110	100	80	100	75
MN	400	350	360	300	310	300
MO	40	22	35	25	13	22
MT	140	140	170	70	60	70
NE	160	170	135	90	95	75
NY	100	115	100	90	105	70
NC	55	40	60	25	20	30
ND	700	730	650	425	420	340
OH	120	120	120	90	100	100
OK	75	60	75	40	20	30
OR	80	65	40	31	35	20
PA	185	190	170	155	160	145
SC	50	40	55	25	25	35
SD	380	420	320	270	300	200
TX	550	600	670	130	130	110
UT	50	50	45	10	9	9
WA	35	30	30	17	15	15
WV	6	6	7	4	4	2
WI	510	430	430	320	300	300
WY	70	60	60	35	22	29
US	5,068	4,892	4,670	2,813	2,755	2,465

¹ Includes area planted in preceding fall.

**Oats: Yield and Production, by State
and United States, 1997-99**

State	Yield			Production		
	1997	1998	1999	1997	1998	1999
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
AL	48.0	48.0	44.0	960	816	880
AR	75.0	80.0	91.0	750	720	1,001
CA	80.0	75.0	85.0	2,400	2,250	2,550
CO	68.0	70.0	65.0	1,700	1,750	1,300
GA	56.0	53.0	55.0	1,680	1,325	1,375
ID	75.0	75.0	68.0	1,575	2,250	1,700
IL	74.0	56.0	71.0	5,550	3,920	4,260
IN	60.0	50.0	65.0	1,800	1,500	1,625
IA	73.0	59.0	65.0	16,790	10,915	11,375
KS	59.0	45.0	47.0	4,720	2,700	3,290
ME	73.0	73.0	80.0	1,679	1,752	1,760
MD	55.0	50.0	51.0	385	350	255
MI	61.0	48.0	65.0	4,880	4,800	4,875
MN	58.0	63.0	59.0	17,400	19,530	17,700
MO	61.0	47.0	46.0	1,525	611	1,012
MT	55.0	54.0	49.0	3,850	3,240	3,430
NE	65.0	56.0	62.0	5,850	5,320	4,650
NY	65.0	62.0	68.0	5,850	6,510	4,760
NC	64.0	58.0	68.0	1,600	1,160	2,040
ND	44.0	60.0	53.0	18,700	25,200	18,020
OH	74.0	65.0	70.0	6,660	6,500	7,000
OK	44.0	41.0	43.0	1,760	820	1,290
OR	92.0	110.0	100.0	2,852	3,850	2,000
PA	58.0	53.0	55.0	8,990	8,480	7,975
SC	56.0	45.0	52.0	1,400	1,125	1,820
SD	55.0	67.0	64.0	14,850	20,100	12,800
TX	52.0	53.0	44.0	6,760	6,890	4,840
UT	72.0	70.0	75.0	720	630	675
WA	80.0	75.0	75.0	1,360	1,125	1,125
WV	50.0	50.0	48.0	200	200	96
WI	63.0	61.0	62.0	20,160	18,300	18,600
WY	54.0	61.0	63.0	1,890	1,342	1,827
US	59.5	60.2	60.0	167,246	165,981	147,906

**Barley: Area Planted and Harvested, by State
and United States, 1997-99**

State	Area Planted ¹			Area Harvested		
	1997	1998	1999	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
AZ	70	58	63	67	56	62
CA	230	170	170	150	125	125
CO	95	90	95	89	82	86
DE	40	34	30	35	30	26
ID	770	780	710	750	760	690
KS	10	8	16	8	8	13
KY	9	8	9	7	7	8
MD	55	60	55	50	54	50
MI	25	27	23	22	23	21
MN	500	440	200	460	415	180
MT	1,250	1,350	1,300	1,150	1,200	1,150
NE	10	10	5	9	8	3
NV	5	5	5	5	4	4
NJ	5	6	6	4	4	4
NC	24	25	24	20	20	19
ND	2,400	2,000	1,350	2,250	1,930	1,260
OK	6	7	4	5	5	3
OR	126	150	145	116	130	135
PA	72	80	75	68	75	70
SC	4	4	3	3	3	2
SD	130	115	80	120	95	74
TX	10	10	15	5	5	10
UT	100	95	90	95	85	83
VA	75	90	80	60	70	60
WA	490	530	500	480	520	490
WI	80	80	80	65	65	65
WY	115	105	90	105	85	85
US	6,706	6,337	5,223	6,198	5,864	4,778

¹ Includes area planted in preceding fall.

**Barley: Yield and Production, by State
and United States, 1997-99**

State	Yield			Production		
	1997	1998	1999	1997	1998	1999
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
AZ	102.0	110.0	114.0	6,834	6,160	7,068
CA	57.0	60.0	64.0	8,550	7,500	8,000
CO	108.0	115.0	105.0	9,612	9,430	9,030
DE	89.0	60.0	84.0	3,115	1,800	2,184
ID	79.0	78.0	78.0	59,250	59,280	53,820
KS	42.0	35.0	45.0	336	280	585
KY	70.0	63.0	80.0	490	441	640
MD	80.0	64.0	80.0	4,000	3,456	4,000
MI	58.0	50.0	66.0	1,276	1,150	1,386
MN	51.0	55.0	47.0	23,460	22,825	8,460
MT	53.0	48.0	50.0	60,950	57,600	57,500
NE	51.0	50.0	48.0	459	400	144
NV	100.0	100.0	90.0	500	400	360
NJ	74.0	58.0	79.0	296	232	316
NC	68.0	57.0	80.0	1,360	1,140	1,520
ND	45.0	55.0	49.0	101,250	106,150	61,740
OK	42.0	47.0	39.0	210	235	117
OR	69.0	62.0	51.0	8,004	8,060	6,885
PA	67.0	67.0	71.0	4,556	5,025	4,970
SC	60.0	47.0	60.0	180	141	120
SD	38.0	48.0	48.0	4,560	4,560	3,552
TX	47.0	43.0	35.0	235	215	350
UT	84.0	83.0	82.0	7,980	7,055	6,806
VA	82.0	61.0	82.0	4,920	4,270	4,920
WA	74.0	65.0	59.0	35,520	33,800	28,910
WI	55.0	52.0	52.0	3,575	3,380	3,380
WY	80.0	84.0	86.0	8,400	7,140	7,310
US	58.1	60.0	59.5	359,878	352,125	284,073

**All Wheat: Area Planted and Harvested, by State
and United States, 1997-99**

State	Area Planted ¹			Area Harvested		
	1997	1998	1999	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
AL	130	120	140	90	85	90
AZ	100	153	86	98	152	85
AR	880	980	970	820	900	920
CA	655	680	590	544	555	455
CO	3,053	2,812	2,653	2,750	2,610	2,450
DE	75	75	75	73	73	70
FL	20	15	10	17	13	9
GA	400	290	300	350	240	225
ID	1,500	1,350	1,420	1,430	1,280	1,350
IL	1,150	1,250	1,050	1,090	1,200	1,010
IN	700	700	550	630	650	510
IA	27	40	40	25	32	31
KS	11,400	10,700	10,000	10,900	10,100	9,200
KY	650	750	650	420	550	410
LA	130	100	110	115	90	105
MD	215	225	215	210	215	200
MI	530	600	610	520	570	600
MN	2,520	2,015	2,195	2,415	1,982	2,140
MS	200	160	180	175	150	165
MO	1,150	1,350	980	1,080	1,250	920
MT	6,150	5,650	5,600	5,840	5,280	5,360
NE	2,000	1,900	2,000	1,900	1,800	1,800
NV	21	16	17	19	14	15
NJ	40	48	42	38	44	33
NM	430	415	445	285	265	270
NY	135	140	130	130	130	125
NC	730	730	650	670	680	580
ND	11,625	9,770	9,410	11,095	9,610	8,907
OH	1,180	1,200	1,050	1,090	1,160	1,030
OK	6,700	6,600	6,400	5,300	5,100	4,300
OR	955	910	870	935	885	783
PA	180	195	195	175	190	190
SC	310	265	225	300	240	220
SD	4,020	3,425	3,105	3,419	3,294	3,024
TN	550	570	500	360	370	310
TX	6,300	6,100	6,200	4,100	3,900	3,400
UT	195	179	176	189	173	170
VA	280	280	280	260	245	240
WA	2,690	2,670	2,525	2,580	2,565	2,290
WV	13	11	11	9	8	7
WI	163	148	133	152	142	127
WY	260	234	210	242	210	193
US	70,412	65,821	62,998	62,840	59,002	54,319

¹ Includes area planted in preceding fall.

**All Wheat: Yield and Production, by State
and United States, 1997-99**

State	Yield			Production		
	1997	1998	1999	1997	1998	1999
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
AL	42.0	42.0	48.0	3,780	3,570	4,320
AZ	89.5	104.2	97.9	8,775	15,840	8,325
AR	48.0	51.0	56.0	39,360	45,900	51,520
CA	76.6	69.5	83.0	41,680	38,550	37,785
CO	32.8	39.6	43.8	90,100	103,470	107,200
DE	73.0	51.0	57.0	5,329	3,723	3,990
FL	39.0	43.0	40.0	663	559	360
GA	44.0	43.0	43.0	15,400	10,320	9,675
ID	79.6	80.0	77.4	113,830	102,410	104,520
IL	61.0	48.0	60.0	66,490	57,600	60,600
IN	58.0	55.0	66.0	36,540	35,750	33,660
IA	42.0	44.0	43.0	1,050	1,408	1,333
KS	46.0	49.0	47.0	501,400	494,900	432,400
KY	54.0	45.0	60.0	22,680	24,750	24,600
LA	37.0	44.0	47.0	4,255	3,960	4,935
MD	68.0	50.0	60.0	14,280	10,750	12,000
MI	62.0	54.0	69.0	32,240	30,780	41,400
MN	32.0	40.6	39.8	77,300	80,444	85,210
MS	43.0	45.0	50.0	7,525	6,750	8,250
MO	54.0	46.0	48.0	58,320	57,500	44,160
MT	31.1	32.0	29.1	181,540	168,790	155,780
NE	37.0	46.0	48.0	70,300	82,800	86,400
NV	98.7	88.6	91.7	1,875	1,240	1,375
NJ	60.0	52.0	56.0	2,280	2,288	1,848
NM	35.0	30.0	38.0	9,975	7,950	10,260
NY	56.0	54.0	65.0	7,280	7,020	8,125
NC	51.0	41.0	49.0	34,170	27,880	28,420
ND	24.3	32.0	28.2	269,290	307,700	251,359
OH	63.0	64.0	70.0	68,670	74,240	72,100
OK	32.0	39.0	35.0	169,600	198,900	150,500
OR	64.6	65.0	44.3	60,390	57,490	34,659
PA	52.0	51.0	54.0	9,100	9,690	10,260
SC	50.0	32.0	43.0	15,000	7,680	9,460
SD	28.7	36.7	39.9	98,013	120,884	120,582
TN	45.0	41.0	54.0	16,200	15,170	16,740
TX	29.0	35.0	36.0	118,900	136,500	122,400
UT	46.3	51.1	52.6	8,742	8,834	8,940
VA	67.0	45.0	57.0	17,420	11,025	13,680
WA	64.0	61.4	54.2	165,120	157,425	124,140
WV	54.0	57.0	57.0	486	456	399
WI	56.1	53.8	58.9	8,531	7,635	7,480
WY	31.4	32.3	33.4	7,587	6,790	6,441
US	39.5	43.2	42.7	2,481,466	2,547,321	2,317,591

**Winter Wheat: Area Planted and Harvested, by State
and United States, 1997-99**

State	Area Planted ¹			Area Harvested		
	1997	1998	1999	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
AL	130	120	140	90	85	90
AZ	10	8	11	9	8	10
AR	880	980	970	820	900	920
CA	510	500	500	400	380	370
CO	3,000	2,750	2,600	2,700	2,550	2,400
DE	75	75	75	73	73	70
FL	20	15	10	17	13	9
GA	400	290	300	350	240	225
ID	910	820	760	860	770	710
IL	1,150	1,250	1,050	1,090	1,200	1,010
IN	700	700	550	630	650	510
IA	27	40	40	25	32	31
KS	11,400	10,700	10,000	10,900	10,100	9,200
KY	650	750	650	420	550	410
LA	130	100	110	115	90	105
MD	215	225	215	210	215	200
MI	530	600	610	520	570	600
MN	65	60	40	60	57	35
MS	200	160	180	175	150	165
MO	1,150	1,350	980	1,080	1,250	920
MT	1,600	1,400	1,050	1,450	1,250	970
NE	2,000	1,900	2,000	1,900	1,800	1,800
NV	15	7	11	14	6	10
NJ	40	48	42	38	44	33
NM	430	415	445	285	265	270
NY	135	140	130	130	130	125
NC	730	730	650	670	680	580
ND	75	70	60	65	60	57
OH	1,180	1,200	1,050	1,090	1,160	1,030
OK	6,700	6,600	6,400	5,300	5,100	4,300
OR	830	810	710	815	790	630
PA	180	195	195	175	190	190
SC	310	265	225	300	240	220
SD	1,650	1,500	1,300	1,150	1,420	1,260
TN	550	570	500	360	370	310
TX	6,300	6,100	6,200	4,100	3,900	3,400
UT	170	155	150	165	150	145
VA	280	280	280	260	245	240
WA	2,250	2,200	1,900	2,150	2,100	1,670
WV	13	11	11	9	8	7
WI	155	140	125	145	135	120
WY	240	220	200	225	200	185
US	47,985	46,449	43,425	41,340	40,126	35,542

¹ Includes area planted in preceding fall.

**Winter Wheat: Yield and Production, by State
and United States, 1997-99**

State	Yield			Production		
	1997	1998	1999	1997	1998	1999
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
AL	42.0	42.0	48.0	3,780	3,570	4,320
AZ	85.0	90.0	105.0	765	720	1,050
AR	48.0	51.0	56.0	39,360	45,900	51,520
CA	70.0	60.0	78.0	28,000	22,800	28,860
CO	32.0	39.0	43.0	86,400	99,450	103,200
DE	73.0	51.0	57.0	5,329	3,723	3,990
FL	39.0	43.0	40.0	663	559	360
GA	44.0	43.0	43.0	15,400	10,320	9,675
ID	80.0	82.0	76.0	68,800	63,140	53,960
IL	61.0	48.0	60.0	66,490	57,600	60,600
IN	58.0	55.0	66.0	36,540	35,750	33,660
IA	42.0	44.0	43.0	1,050	1,408	1,333
KS	46.0	49.0	47.0	501,400	494,900	432,400
KY	54.0	45.0	60.0	22,680	24,750	24,600
LA	37.0	44.0	47.0	4,255	3,960	4,935
MD	68.0	50.0	60.0	14,280	10,750	12,000
MI	62.0	54.0	69.0	32,240	30,780	41,400
MN	32.0	27.0	30.0	1,920	1,539	1,050
MS	43.0	45.0	50.0	7,525	6,750	8,250
MO	54.0	46.0	48.0	58,320	57,500	44,160
MT	38.0	39.0	38.0	55,100	48,750	36,860
NE	37.0	46.0	48.0	70,300	82,800	86,400
NV	100.0	100.0	95.0	1,400	600	950
NJ	60.0	52.0	56.0	2,280	2,288	1,848
NM	35.0	30.0	38.0	9,975	7,950	10,260
NY	56.0	54.0	65.0	7,280	7,020	8,125
NC	51.0	41.0	49.0	34,170	27,880	28,420
ND	22.0	35.0	37.0	1,430	2,100	2,109
OH	63.0	64.0	70.0	68,670	74,240	72,100
OK	32.0	39.0	35.0	169,600	198,900	150,500
OR	66.0	67.0	47.0	53,790	52,930	29,610
PA	52.0	51.0	54.0	9,100	9,690	10,260
SC	50.0	32.0	43.0	15,000	7,680	9,460
SD	30.0	43.0	47.0	34,500	61,060	59,220
TN	45.0	41.0	54.0	16,200	15,170	16,740
TX	29.0	35.0	36.0	118,900	136,500	122,400
UT	46.0	50.0	52.0	7,590	7,500	7,540
VA	67.0	45.0	57.0	17,420	11,025	13,680
WA	66.0	65.0	58.0	141,900	136,500	96,860
WV	54.0	57.0	57.0	486	456	399
WI	57.0	55.0	60.0	8,265	7,425	7,200
WY	31.0	32.0	33.0	6,975	6,400	6,105
US	44.6	46.9	47.8	1,845,528	1,880,733	1,698,369

**Other Spring Wheat: Area Planted, Harvested, Yield, and Production
by State and United States, 1997-99**

State	Area Planted			Area Harvested		
	1997	1998	1999	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
CO	53	62	53	50	60	50
ID	590	530	660	570	510	640
MN	2,450	1,950	2,150	2,350	1,920	2,100
MT	4,250	3,800	4,150	4,100	3,600	4,000
NV	6	9	6	5	8	5
ND	8,800	6,700	5,900	8,400	6,600	5,600
OR	125	100	160	120	95	153
SD	2,350	1,900	1,750	2,250	1,850	1,710
UT	25	24	26	24	23	25
WA	440	470	625	430	465	620
WI	8	8	8	7	7	7
WY	20	14	10	17	10	8
US	19,117	15,567	15,498	18,323	15,148	14,918
	Yield			Production		
	1997	1998	1999	1997	1998	1999
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
CO	74.0	67.0	80.0	3,700	4,020	4,000
ID	79.0	77.0	79.0	45,030	39,270	50,560
MN	32.0	41.0	40.0	75,200	78,720	84,000
MT	29.0	30.0	27.0	118,900	108,000	108,000
NV	95.0	80.0	85.0	475	640	425
ND	25.0	32.0	30.0	210,000	211,200	168,000
OR	55.0	48.0	33.0	6,600	4,560	5,049
SD	28.0	32.0	35.0	63,000	59,200	59,850
UT	48.0	58.0	56.0	1,152	1,334	1,400
WA	54.0	45.0	44.0	23,220	20,925	27,280
WI	38.0	30.0	40.0	266	210	280
WY	36.0	39.0	42.0	612	390	336
US	29.9	34.9	34.1	548,155	528,469	509,180

**Durum Wheat: Area Planted, Harvested, Yield, and Production
by State and United States, 1997-99**

State	Area Planted			Area Harvested		
	1997	1998	1999	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
AZ	90	145	75	89	144	75
CA	145	180	90	144	175	85
MN	5	5	5	5	5	5
MT	300	450	400	290	430	390
ND	2,750	3,000	3,450	2,630	2,950	3,250
SD	20	25	55	19	24	54
US	3,310	3,805	4,075	3,177	3,728	3,859
	Yield			Production		
	1997	1998	1999	1997	1998	1999
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
AZ	90.0	105.0	97.0	8,010	15,120	7,275
CA	95.0	90.0	105.0	13,680	15,750	8,925
MN	36.0	37.0	32.0	180	185	160
MT	26.0	28.0	28.0	7,540	12,040	10,920
ND	22.0	32.0	25.0	57,860	94,400	81,250
SD	27.0	26.0	28.0	513	624	1,512
US	27.6	37.0	28.5	87,783	138,119	110,042

Wheat: Production by Class, United States, 1997-99 ¹

Year	Winter			Spring			Total
	Hard Red	Soft Red	White	Hard Red	White	Durum	
	<i>1,000 Bushels</i>						
1997	1,098,303	471,987	275,238	491,324	56,831	87,783	2,481,466
1998	1,179,452	442,677	258,604	486,370	42,099	138,119	2,547,321
1999	1,054,996	451,801	191,572	453,978	55,202	110,042	2,317,591

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

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 or class survey data available. These end-of-season percentages will be used during the 2000 forecast season. However, if an unusual situation significantly distorts a State's usual distribution, then updated percentages are used during the forecasts. (Note: the Idaho, Oregon, and Washington percentages are based on their estimates of production by class).

Wheat: Acreage Distribution by Class and State, 1998-99

State	Winter						Oth Spr (excl Durum)			
	Hard Red		Soft Red		White		Hard Red		White	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>						
AL			100	100						
AZ	100	100								
AR			100	100						
CA	95	95			5	5				
CO	100	100					84	84	16	16
DE			100	100						
FL			100	100						
GA			100	100						
ID	13	16			87	84	50	43	50	57
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	5	3	47	58	48	39				
MN	100	100					100	100		
MS			100	100						
MO	3	3	97	97						
MT	99	99			1	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	2	1			98	99	15	27	85	73
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	7	8			93	92	24	26	76	74
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 12 winter wheat estimating states during the year; Idaho and Oregon were added back. 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.

**Winter Wheat: Heads per Square Foot,
Selected States, 1995-99 ¹**

State	Month	1995	1996	1997	1998	1999
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
CO	July	52.9	33.5	41.5	40.3	42.1
	Final	51.6	33.5	41.3	39.3	43.4
ID	July	44.6				45.0
	Final	44.0				44.1
IL	July	56.4	40.2	56.7	51.1	59.7
	Final	56.4	40.2	56.6	51.2	59.6
KS	July	54.5	35.5	48.1	51.3	49.4
	Final	55.0	35.6	48.1	51.3	49.4
MO	July	49.8	42.8	30.9	43.6	47.0
	Final	49.8	43.3	32.3	43.6	46.9
MT	July	31.0	29.3	30.9	37.2	37.0
	Final	33.7	28.7	32.3	38.8	36.3
NE	July	60.3	42.9	48.4	56.4	59.8
	Final	58.8	42.6	47.9	56.7	57.9
OH	July	53.9	43.1	53.6	55.4	57.0
	Final	52.9	43.6	53.5	55.1	57.3
OK	July	43.4	32.5	52.8	39.9	40.2
	Final	43.4	32.5	53.2	40.1	40.1
OR	July	31.4				29.3
	Final	31.9				29.2
TX	July	37.9	32.2	42.9	39.6	40.7
	Final	38.2	32.3	42.3	39.7	40.7
WA	July	29.3	38.1	32.8	38.2	35.1
	Final	29.3	37.9	32.9	37.7	34.9

**Rye: Area Planted and Harvested by State
and United States, 1997-99**

State	Area Planted ¹			Area Harvested		
	1997	1998	1999	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
CO	28	33	28	2	3	2
GA	300	250	230	65	50	50
IL	55	50	40	8	9	7
IN	15	15	20	2	2	2
KS	50	80	90	10	15	10
MD	25	25	30	3	3	5
MI	75	65	105	15	15	21
MN	20	30	30	16	27	25
NE	35	30	45	12	12	15
NJ	20	38	20	5	5	4
NY	40	50	45	7	15	15
NC	80	90	100	15	20	28
ND	22	65	40	19	61	37
OH	30	35	35	4	4	4
OK	200	300	300	60	70	55
PA	50	60	65	10	15	15
SC	35	30	35	10	20	20
SD	30	40	24	26	35	23
TX	130	120	140	10	20	25
VA	80	80	80	5	5	8
WI	80	80	80	12	12	12
US	1,400	1,571	1,582	316	418	383

¹ Includes area planted in preceding fall.

**Rye: Yield and Production by State
and United States, 1997-99**

State	Yield			Production		
	1997	1998	1999	1997	1998	1999
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
CO	27.0	28.0	33.0	54	84	66
GA	22.0	21.0	21.0	1,430	1,050	1,050
IL	30.0	37.0	29.0	240	333	203
IN	32.0	38.0	35.0	64	76	70
KS	30.0	25.0	30.0	300	375	300
MD	25.0	32.0	31.0	75	96	155
MI	30.0	28.0	36.0	450	420	756
MN	25.0	31.0	31.0	400	837	775
NE	20.0	24.0	24.0	240	288	360
NJ	35.0	33.0	30.0	175	165	120
NY	33.0	35.0	38.0	231	525	570
NC	28.0	22.0	23.0	420	440	644
ND	27.0	42.0	41.0	513	2,562	1,517
OH	30.0	35.0	36.0	120	140	144
OK	18.0	22.0	19.0	1,080	1,540	1,045
PA	40.0	33.0	40.0	400	495	600
SC	25.0	20.0	25.0	250	400	500
SD	28.0	40.0	44.0	728	1,400	1,012
TX	33.0	20.0	18.0	330	400	450
VA	40.0	35.0	34.0	200	175	272
WI	36.0	30.0	32.0	432	360	384
US	25.7	29.1	28.7	8,132	12,161	10,993

**Small Grains - Annual Summary: Area Planted,
United States, 1997-99
(Domestic Units)**

Crop	Area Planted		
	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Oats	5,068	4,892	4,670
Barley	6,706	6,337	5,223
All Wheat	70,412	65,821	62,998
Winter	47,985	46,449	43,425
Durum	3,310	3,805	4,075
Other Spring	19,117	15,567	15,498
Rye	1,400	1,566	1,582

**Small Grains - Annual Summary: Area Harvested,
United States, 1997-99
(Domestic Units)**

Crop	Area Harvested		
	1997	1998	1999
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Oats	2,813	2,755	2,465
Barley	6,198	5,864	4,778
All Wheat	62,840	59,002	54,319
Winter	41,340	40,126	35,542
Durum	3,177	3,728	3,859
Other Spring	18,323	15,148	14,918
Rye	316	418	383

**Small Grains - Annual Summary: Yield,
United States, 1997-99
(Domestic Units)**

Crop	Yield		
	1997	1998	1999
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>
Oats	59.5	60.2	60.0
Barley	58.1	60.0	59.5
All Wheat	39.5	43.2	42.7
Winter	44.6	46.9	47.8
Durum	27.6	37.0	28.5
Other Spring	29.9	34.9	34.1
Rye	25.7	29.1	28.7

**Small Grains - Annual Summary: Production,
United States, 1997-99
(Domestic Units)**

Crop	Production		
	1997	1998	1999
	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
Oats	167,246	165,981	147,906
Barley	359,878	352,125	284,073
All Wheat	2,481,466	2,547,321	2,317,591
Winter	1,845,528	1,880,733	1,698,369
Durum	87,783	138,119	110,042
Other Spring	548,155	528,469	509,180
Rye	8,132	12,161	10,993

**Small Grains - Annual Summary: Area Planted,
United States, 1997-99
(Metric Units)**

Crop	Area Planted		
	1997	1998	1999
	<i>Hectares</i>	<i>Hectares</i>	<i>Hectares</i>
Oats	2,050,970	1,979,740	1,889,900
Barley	2,713,850	2,564,520	2,113,700
All Wheat	28,495,030	26,637,100	25,494,660
Winter	19,419,050	18,797,450	17,573,660
Durum	1,339,520	1,539,850	1,649,110
Other Spring	7,736,460	6,299,810	6,271,890
Rye	566,570	633,740	640,220

**Small Grains - Annual Summary: Area Harvested,
United States, 1997-99
(Metric Units)**

Crop	Area Harvested		
	1997	1998	1999
	<i>Hectares</i>	<i>Hectares</i>	<i>Hectares</i>
Oats	1,138,390	1,114,920	997,560
Barley	2,508,270	2,373,100	1,933,610
All Wheat	25,430,720	23,877,520	21,982,360
Winter	16,729,880	16,238,590	14,383,490
Durum	1,285,700	1,508,680	1,561,700
Other Spring	7,415,130	6,130,240	6,037,170
Rye	127,880	169,160	155,000

**Small Grains - Annual Summary: Yield,
United States, 1997-99
(Metric Units)**

Crop	Yield		
	1997	1998	1999
	<i>Metric Tons</i>	<i>Metric Tons</i>	<i>Metric Tons</i>
Oats	2.13	2.16	2.15
Barley	3.12	3.23	3.20
All Wheat	2.66	2.90	2.87
Winter	3.00	3.15	3.21
Durum	1.86	2.49	1.92
Other Spring	2.01	2.35	2.30
Rye	1.62	1.83	1.80

**Small Grains - Annual Summary: Production,
United States, 1997-99
(Metric Units)**

Crop	Production		
	1997	1998	1999
	<i>Metric Tons</i>	<i>Metric Tons</i>	<i>Metric Tons</i>
Oats	2,427,570	2,409,210	2,146,850
Barley	7,835,420	7,666,620	6,184,960
All Wheat	67,534,440	69,326,720	63,074,490
Winter	50,227,040	51,185,160	46,222,030
Durum	2,389,060	3,758,980	2,994,850
Other Spring	14,918,330	14,382,570	13,857,610
Rye	206,560	308,900	279,240

Oats: Production for the 1999 crop year is forecast at 147.9 million bushels, 11 percent smaller than the 1998 production. This is the lowest production since records were first kept in 1866. The forecasted yield, at 60.0 bushels per acre, is slightly below last year's 60.2 bushel yield. Area harvested and to be harvested for grain in 1999 is 2.47 million acres, 11 percent below 1998. This is the smallest acreage harvested for grain on record.

Planting and crop development were ahead of normal in most of the Corn Belt States, especially east of the Mississippi River. In the northern Great Plains, planting was frequently delayed by wet weather and development remained behind normal for most of the summer. Early-season development was aided by adequate moisture supplies and warm weather, but a mid-season drought reduced yields in the mid-Atlantic and Northeast. Some fields were cut to supplement forage supplies in Pennsylvania and New York. In the Corn Belt, the hot, dry weather in July accelerated development and limited the crops' potential in some areas, but did not seriously affect yields. The oat harvest proceeded ahead of normal in the Corn Belt, where dry conditions prevailed during most of the harvest season. Wet weather periodically delayed progress in the upper Mississippi Valley and parts of the central and northern Great Plains.

Barley: Production in 1999 is estimated at 284 million bushels, 1 percent above the last forecast, but down 19 percent from last year's estimate. This is the lowest production since 1953. Average yield per acre, at 59.5 bushels, is up 1 bushel from the previous forecast, but down 0.5 bushels from 1998. The area harvested for grain is estimated at 4.78 million acres, down 1 percent from the last forecast and 19 percent less than a year ago. This is the lowest acreage since 1900.

North Dakota continued as the top ranked barley producing State, followed by Montana, Idaho, Washington, and Colorado. These five States produced nearly three-fourths of the 1999 barley crop. Harvest in North Dakota was only 71 percent complete by September 12, well behind the 5-year average of 95 percent. Condition of the crop declined throughout the month of August. North Dakota yields decreased 6 bushels from last year to 49.0 bushels per acre. Yields in Montana increased 2 bushels from last season. The crop was planted later than normal in some areas of the State due to significant moisture in the spring. The average yield in Idaho is equal to the year-ago level. Record high yields were achieved in Kentucky, New Jersey, North Carolina, and Pennsylvania.

Winter Wheat: The 1999 winter wheat crop production was estimated at 1.70 billion bushels. This is up 1 percent from the August forecast, but 10 percent below the 1998 level. The U.S. yield increased 0.4 bushels from August to 47.8 bushels per acre; a new record high average, nearly a bushel better than last year's former record. Acreage for grain was estimated at 35.5 million acres, down less than 1 percent from last forecast. This is the smallest harvested area since 1972. Planted area is 43.4 million acres, unchanged from the last forecast.

Hard Red Winter yields were generally up from the last forecast. A new Nebraska record yield was confirmed along with record setting, or tying yields in Arizona, Colorado, New Mexico, South Dakota, Texas and Utah.

Soft Red Winter producing states yields per acre harvested averaged higher than August 1. Many southeastern States' yields are at record levels. Ohio's yield is a new high, as are Indiana, Michigan, and Wisconsin's yields. Oregon yields turned out even lower than expected. Idaho's average yield is up 2.0 bushels. Washington growers harvested a good quality, average yielding crop. The New York wheat yield is a new record high.

Other Spring Wheat: Production in 1999 was estimated at 509 million bushels, up fractionally from the last forecast, but 4 percent less than in 1998. Harvested area is now 14.9 million acres, down 2 percent from last year. The U.S. yield was 34.1 bushels per acre, up slightly from the last forecast, but nearly a bushel less than last season.

Harvest in the northern Plains trailed average progress as of September 26, except for South Dakota's which finished several weeks ago. Most remaining spring wheat fields for harvest are in North Dakota, Montana, and Idaho in that order. Washington's average yield is up from the last forecast as was Idaho's, but the Oregon average plummeted. Hard Red Spring State yields were generally unchanged from September. Objective Yield survey data showed plant populations at above average levels in Minnesota and Montana. Weight per head remained below average in Minnesota and North Dakota.

Durum Wheat: Durum production for 1999 totaled 110 million bushels, down slightly from September 1 and 20 percent less than last year. Grain area now totals 3.86 million acres, down 1 percent from the last forecast, but still 4 percent more than a year ago. The U.S. yield was forecast at 28.5 bushels per acre, up three-tenths from the last forecast, but 8.5 bushels per acre below 1998. North Dakota's Durum harvest was only 69 percent complete as of September 26 well behind the average 91 percent. Quality of the remaining wheat has been compromised by sprouting and related moisture damage.

Rye: Production for 1999 is estimated at 11.0 million bushels. Production is down 10 percent from last year largely due to an 8 percent drop in acres cut for grain. Harvested area totaled 383,000 acres. The U.S. yield, at 28.7 bushels per acre, is down 0.4 bushels from last season. Of the four largest producing States, North and South Dakota and Oklahoma had large percentage drops in production. Only Georgia was near last year's level.

The next "Small Grains Summary" report will be released at 8:30 a.m. ET on September 29, 2000.

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USDA to Hold Public Forum

October 18, 1999

Holiday Inn Mart Plaza

Chicago, Illinois

The National Agricultural Statistics Service will be organizing an open forum for Data Users. The purpose will be to provide updates on pending changes in the USDA statistical and information programs, and to seek comments and input from data users. Other agencies to be represented will include the Agricultural Marketing Service, the Economic Research Service, the Foreign Agricultural Service, and the World Agricultural Outlook Board.

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