



United States  
Department of  
Agriculture

National  
Agricultural  
Statistics  
Service



# Small Grains 2004 Summary

## September 2004

Cr Pr 2-3 (04)

# USDA





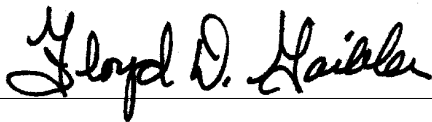
**All wheat** production totaled 2.16 billion bushels in 2004, up 2 percent from the last forecast but 8 percent below 2003. Grain area is 50.2 million acres, down 5 percent from last year. The U.S. yield is 43.1 bushels per acre, down 1.1 bushels from a year ago. Levels of production and change from last year by type are: winter wheat, 1.50 billion bushels, down 13 percent; other spring wheat, 574 million bushels, up 8 percent; and Durum wheat, 90.5 million bushels, down 6 percent.

**Oat** production is estimated at 117 million bushels, 9 percent below the August 1 forecast and 19 percent below last year's 144 million bushels. The estimated yield is 64.5 bushels per acre, down 1.5 bushels from August and down 0.5 bushel from a year ago. Record high yields are estimated in South Dakota and Washington. Harvested area is 1.81 million acres, 7 percent below the August 1 forecast and 19 percent below last year. This is the smallest acreage harvested for grain on record, continuing a steady downward trend.

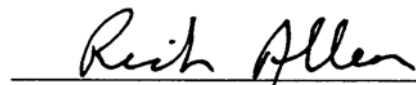
**Barley** production is estimated at 280 million bushels, up 3 percent from the August 1 forecast and up 1 percent from last year. Average yield per acre, at a record high 69.5 bushels, is up 3.8 bushels from the last forecast and 10.6 bushels above 2003. The area harvested for grain is estimated at 4.03 million acres, down 3 percent from August and 15 percent below a year ago. The increase from the previous production forecast is mostly due to Montana, where harvested area is up 50,000 acres and the yield increased by 8 bushels per acre. For Idaho, North Dakota, and Washington, yields increased from August but are more than offset by decreases in the harvested acreage, resulting in lower production.

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This report was approved on September 30, 2004.



Acting Secretary of  
Agriculture  
Floyd D. Gaibler



Agricultural Statistics Board  
Chairperson  
Rich Allen

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**Oats: Area Planted and Harvested, by State  
and United States, 2002-2004**

State	Area Planted <sup>1</sup>			Area Harvested		
	2002	2003	2004	2002	2003	2004
	<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>
CA	260	260	240	32	35	25
CO	65	100	75	8	15	20
GA	90	100	90	25	30	25
ID	125	120	90	25	25	20
IL	65	60	55	45	50	35
IN	20	25	25	14	15	12
IA	290	220	220	175	130	140
KS	140	140	120	60	70	40
ME	28	27	34	27	26	32
MI	80	90	80	65	75	65
MN	420	350	310	265	265	200
MO	65	30	26	35	18	13
MT	135	120	105	50	45	40
NE	175	220	140	55	90	55
NY	75	85	65	65	70	50
NC	65	55	55	25	22	25
ND	670	620	490	300	360	225
OH	70	80	65	55	60	50
OK	85	70	50	20	25	15
OR	70	60	50	30	20	20
PA	140	140	130	115	110	110
SC	50	40	40	25	20	20
SD	470	420	380	120	230	170
TX	750	625	680	140	140	160
UT	60	65	60	4	6	8
WA	32	35	20	13	15	7
WI	430	380	340	250	230	210
WY	70	60	50	15	23	15
US	4,995	4,597	4,085	2,058	2,220	1,807

<sup>1</sup> Includes area planted in preceding fall.

**Oats: Yield and Production, by State  
and United States, 2002-2004**

State	Yield			Production		
	2002	2003	2004	2002	2003	2004
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
CA	82.0	80.0	85.0	2,624	2,800	2,125
CO	50.0	65.0	55.0	400	975	1,100
GA	60.0	56.0	50.0	1,500	1,680	1,250
ID	70.0	65.0	72.0	1,750	1,625	1,440
IL	73.0	89.0	70.0	3,285	4,450	2,450
IN	62.0	70.0	75.0	868	1,050	900
IA	76.0	83.0	72.0	13,300	10,790	10,080
KS	52.0	65.0	43.0	3,120	4,550	1,720
ME	85.0	78.0	75.0	2,295	2,028	2,400
MI	64.0	70.0	68.0	4,160	5,250	4,420
MN	56.0	71.0	70.0	14,840	18,815	14,000
MO	51.0	67.0	50.0	1,785	1,206	650
MT	46.0	44.0	60.0	2,300	1,980	2,400
NE	43.0	73.0	68.0	2,365	6,570	3,740
NY	64.0	63.0	65.0	4,160	4,410	3,250
NC	55.0	59.0	70.0	1,375	1,298	1,750
ND	42.0	59.0	62.0	12,600	21,240	13,950
OH	61.0	66.0	63.0	3,355	3,960	3,150
OK	37.0	36.0	37.0	740	900	555
OR	84.0	75.0	100.0	2,520	1,500	2,000
PA	61.0	59.0	55.0	7,015	6,490	6,050
SC	46.0	56.0	55.0	1,150	1,120	1,100
SD	45.0	68.0	82.0	5,400	15,640	13,940
TX	44.0	45.0	40.0	6,160	6,300	6,400
UT	85.0	82.0	78.0	340	492	624
WA	65.0	50.0	88.0	845	750	616
WI	60.0	67.0	65.0	15,000	15,410	13,650
WY	50.0	48.0	53.0	750	1,104	795
US	56.4	65.0	64.5	116,002	144,383	116,505

**Barley: Area Planted and Harvested, by State  
and United States, 2002-2004**

State	Area Planted <sup>1</sup>			Area Harvested		
	2002	2003	2004	2002	2003	2004
	<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	46	32	40	40	30	38
CA	130	100	110	75	58	75
CO	85	85	80	72	82	77
DE	25	25	29	23	21	26
ID	730	750	680	710	720	650
KS	8	9	15	7	8	12
KY	9	9	9	7	8	8
ME	28	28	23	27	27	22
MD	43	43	42	39	36	39
MI	14	15	14	13	14	12
MN	190	190	130	150	170	115
MT	1,180	1,150	1,000	930	850	830
NE	6	6	6	4	4	3
NV	4	5	4	2	3	2
NJ	4	4	3	3	3	2
NY	11	15	14	10	13	10
NC	25	20	23	17	14	15
ND	1,600	2,050	1,600	1,300	1,980	1,490
OH	7	7	5	6	6	4
OR	78	70	75	68	60	66
PA	70	75	65	60	65	55
SD	80	75	70	45	55	50
UT	70	45	50	34	35	40
VA	75	75	55	41	45	40
WA	350	320	250	340	310	245
WI	55	55	45	35	35	30
WY	85	90	90	65	75	75
US	5,008	5,348	4,527	4,123	4,727	4,031

<sup>1</sup> Includes area planted in preceding fall.



**Barley: Yield and Production, by State  
and United States, 2002-2004**

State	Yield			Production		
	2002	2003	2004	2002	2003	2004
	<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	110.0	118.0	110.0	4,400	3,540	4,180
CA	71.0	64.0	54.0	5,325	3,712	4,050
CO	104.0	109.0	118.0	7,488	8,938	9,086
DE	83.0	59.0	80.0	1,909	1,239	2,080
ID	77.0	66.0	92.0	54,670	47,520	59,800
KS	37.0	57.0	28.0	259	456	336
KY	65.0	75.0	77.0	455	600	616
ME	80.0	65.0	65.0	2,160	1,755	1,430
MD	82.0	57.0	73.0	3,198	2,052	2,847
MI	51.0	56.0	51.0	663	784	612
MN	41.0	75.0	70.0	6,150	12,750	8,050
MT	42.0	40.0	59.0	39,060	34,000	48,970
NE	32.0	50.0	54.0	128	200	162
NV	97.0	80.0	105.0	194	240	210
NJ	70.0	45.0	63.0	210	135	126
NY	47.0	50.0	53.0	470	650	530
NC	60.0	56.0	64.0	1,020	784	960
ND	45.0	60.0	62.0	58,500	118,800	92,380
OH	55.0	58.0	50.0	330	348	200
OR	53.0	64.0	73.0	3,604	3,840	4,818
PA	74.0	61.0	62.0	4,440	3,965	3,410
SD	35.0	53.0	63.0	1,575	2,915	3,150
UT	64.0	80.0	86.0	2,176	2,800	3,440
VA	77.0	62.0	74.0	3,157	2,790	2,960
WA	56.0	47.0	70.0	19,040	14,570	17,150
WI	47.0	55.0	55.0	1,645	1,925	1,650
WY	72.0	93.0	92.0	4,680	6,975	6,900
US	55.0	58.9	69.5	226,906	278,283	280,103

**All Wheat: Area Planted and Harvested, by State  
and United States, 2002-2004**

State	Area Planted <sup>1</sup>			Area Harvested		
	2002	2003	2004	2002	2003	2004
	<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	150	150	120	60	75	60
AZ	99	119	105	99	119	103
AR	950	700	670	830	570	620
CA	625	870	680	390	525	420
CO	2,375	2,630	2,315	1,670	2,229	1,714
DE	55	50	50	53	47	47
FL	19	20	18	7	12	15
GA	330	380	330	190	230	190
ID	1,150	1,190	1,250	1,090	1,130	1,190
IL	660	850	920	630	810	900
IN	340	460	450	310	430	440
IA	20	25	28	16	21	24
KS	9,700	10,500	10,000	8,200	10,000	8,500
KY	530	500	530	330	350	380
LA	230	155	180	220	140	165
MD	185	165	160	170	145	145
MI	450	680	660	440	660	640
MN	2,040	1,877	1,728	1,834	1,825	1,656
MS	230	150	160	180	125	135
MO	900	960	1,050	760	870	930
MT	5,790	5,440	5,470	4,795	5,200	5,080
NE	1,650	1,900	1,850	1,520	1,820	1,650
NV	13	12	14	5	7	9
NJ	38	31	28	32	26	24
NM	480	500	490	150	140	300
NY	120	130	105	118	120	100
NC	600	530	600	430	410	460
ND	9,080	8,630	8,195	7,915	8,500	7,905
OH	860	1,060	920	810	1,000	890
OK	6,200	6,700	6,200	3,700	4,600	4,700
OR	945	1,115	1,000	840	1,080	955
PA	190	175	140	185	165	135
SC	200	200	190	170	185	180
SD	3,030	3,078	3,270	1,677	2,797	2,798
TN	470	430	400	300	270	280
TX	6,400	6,600	6,300	2,700	3,450	3,500
UT	155	177	143	110	137	132
VA	230	210	210	170	160	180
WA	2,450	2,400	2,330	2,390	2,345	2,275
WV	12	12	8	7	7	5
WI	208	212	247	192	180	231
WY	159	168	160	129	151	141
US	60,318	62,141	59,674	45,824	53,063	50,204

<sup>1</sup> Includes area planted in preceding fall.

**All Wheat: Yield and Production, by State  
and United States, 2002-2004**

State	Yield			Production		
	2002	2003	2004	2002	2003	2004
	<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	40.0	42.0	48.0	2,400	3,150	2,880
AZ	95.4	100.1	96.7	9,444	11,912	9,963
AR	46.0	50.0	53.0	38,180	28,500	32,860
CA	81.5	69.5	86.2	31,800	36,510	36,200
CO	22.8	35.1	27.4	38,100	78,160	46,880
DE	70.0	41.0	58.0	3,710	1,927	2,726
FL	35.0	41.0	45.0	245	492	675
GA	42.0	46.0	45.0	7,980	10,580	8,550
ID	71.9	74.9	85.5	78,410	84,660	101,710
IL	49.0	65.0	59.0	30,870	52,650	53,100
IN	53.0	69.0	62.0	16,430	29,670	27,280
IA	53.0	61.0	55.0	848	1,281	1,320
KS	33.0	48.0	37.0	270,600	480,000	314,500
KY	52.0	62.0	54.0	17,160	21,700	20,520
LA	40.0	41.0	50.0	8,800	5,740	8,250
MD	66.0	37.0	59.0	11,220	5,365	8,555
MI	67.0	68.0	64.0	29,480	44,880	40,960
MN	34.0	57.8	54.8	62,420	105,482	90,705
MS	40.0	49.0	53.0	7,200	6,125	7,155
MO	44.0	61.0	52.0	33,440	53,070	48,360
MT	23.1	27.4	34.3	110,735	142,330	174,330
NE	33.0	46.0	37.0	50,160	83,720	61,050
NV	81.6	78.4	106.7	408	549	960
NJ	57.0	42.0	47.0	1,824	1,092	1,128
NM	26.0	30.0	26.0	3,900	4,200	7,800
NY	58.0	53.0	53.0	6,844	6,360	5,300
NC	42.0	36.0	50.0	18,060	14,760	23,000
ND	27.3	37.3	39.2	216,095	317,090	309,660
OH	62.0	68.0	62.0	50,220	68,000	55,180
OK	28.0	39.0	35.0	103,600	179,400	164,500
OR	41.1	49.6	58.6	34,500	53,540	55,980
PA	53.0	43.0	49.0	9,805	7,095	6,615
SC	37.0	39.0	44.0	6,290	7,215	7,920
SD	26.4	42.3	46.0	44,247	118,391	128,610
TN	47.0	50.0	49.0	14,100	13,500	13,720
TX	29.0	28.0	31.0	78,300	96,600	108,500
UT	32.6	41.4	44.4	3,590	5,677	5,856
VA	61.0	46.0	55.0	10,370	7,360	9,900
WA	54.3	59.4	63.1	129,770	139,345	143,500
WV	48.0	41.0	52.0	336	287	260
WI	60.0	68.3	55.6	11,516	12,300	12,852
WY	19.2	27.1	26.6	2,471	4,095	3,750
US	35.0	44.2	43.1	1,605,878	2,344,760	2,163,520

**Winter Wheat: Area Planted and Harvested, by State  
and United States, 2002-2004**

State	Area Planted <sup>1</sup>			Area Harvested		
	2002	2003	2004	2002	2003	2004
	<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	150	150	120	60	75	60
AZ	6	4	5	6	4	4
AR	950	700	670	830	570	620
CA	530	740	560	300	410	320
CO	2,350	2,600	2,300	1,650	2,200	1,700
DE	55	50	50	53	47	47
FL	19	20	18	7	12	15
GA	330	380	330	190	230	190
ID	670	760	750	630	720	700
IL	660	850	920	630	810	900
IN	340	460	450	310	430	440
IA	20	25	28	16	21	24
KS	9,700	10,500	10,000	8,200	10,000	8,500
KY	530	500	530	330	350	380
LA	230	155	180	220	140	165
MD	185	165	160	170	145	145
MI	450	680	660	440	660	640
MN	35	25	27	30	23	25
MS	230	150	160	180	125	135
MO	900	960	1,050	760	870	930
MT	1,450	1,900	1,900	780	1,820	1,630
NE	1,650	1,900	1,850	1,520	1,820	1,650
NV	6	7	6	3	3	3
NJ	38	31	28	32	26	24
NM	480	500	490	150	140	300
NY	120	130	105	118	120	100
NC	600	530	600	430	410	460
ND	80	130	245	65	120	225
OH	860	1,060	920	810	1,000	890
OK	6,200	6,700	6,200	3,700	4,600	4,700
OR	800	970	820	710	940	780
PA	190	175	140	185	165	135
SC	200	200	190	170	185	180
SD	1,300	1,650	1,650	670	1,430	1,250
TN	470	430	400	300	270	280
TX	6,400	6,600	6,300	2,700	3,450	3,500
UT	140	160	130	100	125	120
VA	230	210	210	170	160	180
WA	1,850	1,850	1,800	1,800	1,800	1,750
WV	12	12	8	7	7	5
WI	200	205	240	185	175	225
WY	150	160	150	125	145	135
US	41,766	45,384	43,350	29,742	36,753	34,462

<sup>1</sup> Includes area planted in preceding fall.

**Winter Wheat: Yield and Production, by State  
and United States, 2002-2004**

State	Yield			Production		
	2002	2003	2004	2002	2003	2004
	<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	40.0	42.0	48.0	2,400	3,150	2,880
AZ	86.0	103.0	90.0	516	412	360
AR	46.0	50.0	53.0	38,180	28,500	32,860
CA	76.0	61.0	85.0	22,800	25,010	27,200
CO	22.0	35.0	27.0	36,300	77,000	45,900
DE	70.0	41.0	58.0	3,710	1,927	2,726
FL	35.0	41.0	45.0	245	492	675
GA	42.0	46.0	45.0	7,980	10,580	8,550
ID	77.0	80.0	90.0	48,510	57,600	63,000
IL	49.0	65.0	59.0	30,870	52,650	53,100
IN	53.0	69.0	62.0	16,430	29,670	27,280
IA	53.0	61.0	55.0	848	1,281	1,320
KS	33.0	48.0	37.0	270,600	480,000	314,500
KY	52.0	62.0	54.0	17,160	21,700	20,520
LA	40.0	41.0	50.0	8,800	5,740	8,250
MD	66.0	37.0	59.0	11,220	5,365	8,555
MI	67.0	68.0	64.0	29,480	44,880	40,960
MN	36.0	42.0	40.0	1,080	966	1,000
MS	40.0	49.0	53.0	7,200	6,125	7,155
MO	44.0	61.0	52.0	33,440	53,070	48,360
MT	28.0	37.0	41.0	21,840	67,340	66,830
NE	33.0	46.0	37.0	50,160	83,720	61,050
NV	86.0	83.0	110.0	258	249	330
NJ	57.0	42.0	47.0	1,824	1,092	1,128
NM	26.0	30.0	26.0	3,900	4,200	7,800
NY	58.0	53.0	53.0	6,844	6,360	5,300
NC	42.0	36.0	50.0	18,060	14,760	23,000
ND	33.0	49.0	44.0	2,145	5,880	9,900
OH	62.0	68.0	62.0	50,220	68,000	55,180
OK	28.0	39.0	35.0	103,600	179,400	164,500
OR	42.0	51.0	61.0	29,820	47,940	47,580
PA	53.0	43.0	49.0	9,805	7,095	6,615
SC	37.0	39.0	44.0	6,290	7,215	7,920
SD	30.0	43.0	45.0	20,100	61,490	56,250
TN	47.0	50.0	49.0	14,100	13,500	13,720
TX	29.0	28.0	31.0	78,300	96,600	108,500
UT	32.0	41.0	43.0	3,200	5,125	5,160
VA	61.0	46.0	55.0	10,370	7,360	9,900
WA	58.0	65.0	67.0	104,400	117,000	117,250
WV	48.0	41.0	52.0	336	287	260
WI	61.0	69.0	56.0	11,285	12,075	12,600
WY	19.0	27.0	26.0	2,375	3,915	3,510
US	38.2	46.7	43.5	1,137,001	1,716,721	1,499,434

**Other Spring Wheat: Area Planted, Harvested, Yield, and Production  
by State and United States, 2002-2004**

State	Area Planted			Area Harvested		
	2002	2003	2004	2002	2003	2004
	<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	25	30	15	20	29	14
ID	480	430	500	460	410	490
MN	2,000	1,850	1,700	1,800	1,800	1,630
MT	3,750	2,900	3,000	3,450	2,750	2,900
NV	7	5	8	2	4	6
ND	6,900	6,500	6,200	5,900	6,400	6,000
OR	145	145	180	130	140	175
SD	1,700	1,400	1,600	1,000	1,340	1,530
UT	15	17	13	10	12	12
WA	600	550	530	590	545	525
WI	8	7	7	7	5	6
WY	9	8	10	4	6	6
US	15,639	13,842	13,763	13,373	13,441	13,294
	Yield			Production		
	2002	2003	2004	2002	2003	2004
	<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	90.0	40.0	70.0	1,800	1,160	980
ID	65.0	66.0	79.0	29,900	27,060	38,710
MN	34.0	58.0	55.0	61,200	104,400	89,650
MT	22.0	22.0	31.0	75,900	60,500	89,900
NV	75.0	75.0	105.0	150	300	630
ND	28.0	39.5	41.0	165,200	252,800	246,000
OR	36.0	40.0	48.0	4,680	5,600	8,400
SD	24.0	42.0	47.0	24,000	56,280	71,910
UT	39.0	46.0	58.0	390	552	696
WA	43.0	41.0	50.0	25,370	22,345	26,250
WI	33.0	45.0	42.0	231	225	252
WY	24.0	30.0	40.0	96	180	240
US	29.1	39.5	43.1	388,917	531,402	573,618

**Durum Wheat: Area Planted, Harvested, Yield, and Production  
by State and United States, 2002-2004**

State	Area Planted			Area Harvested		
	2002	2003	2004	2002	2003	2004
	<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	93	115	100	93	115	99
CA	95	130	120	90	115	100
MN	5	2	1	4	2	1
MT	590	640	570	565	630	550
ND	2,100	2,000	1,750	1,950	1,980	1,680
SD	30	28	20	7	27	18
US	2,913	2,915	2,561	2,709	2,869	2,448
	Yield			Production		
	2002	2003	2004	2002	2003	2004
	<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	96.0	100.0	97.0	8,928	11,500	9,603
CA	100.0	100.0	90.0	9,000	11,500	9,000
MN	35.0	58.0	55.0	140	116	55
MT	23.0	23.0	32.0	12,995	14,490	17,600
ND	25.0	29.5	32.0	48,750	58,410	53,760
SD	21.0	23.0	25.0	147	621	450
US	29.5	33.7	37.0	79,960	96,637	90,468

**Wheat: Production by Class, United States, 2002-2004 <sup>1</sup>**

Year	Winter			Spring			Total
	Hard Red	Soft Red	White	Hard Red	White	Durum	
	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
2002	620,328	320,968	195,705	351,439	37,478	79,960	1,605,878
2003	1,070,996	380,435	265,290	499,674	31,728	96,637	2,344,760
2004	856,211	380,305	262,918	530,152	43,466	90,468	2,163,520

<sup>1</sup> 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 2005 forecast season. However, if an unusual situation significantly distorts a State's usual distribution, then updated percentages will be used to forecast the production by class. (Note: the Idaho, Oregon, and Washington percentages are based on their estimates of production by class).

**Wheat: Production Distribution by Class and State, 2003-2004**

State	Winter						Oth Spr (excl Durum)			
	Hard Red		Soft Red		White		Hard Red		White	
	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AL			100	100						
AZ	100	100								
AR			100	100						
CA	92	90			8	10				
CO	95	93			5	7	84	80	16	20
DE			100	100						
FL			100	100						
GA			100	100						
ID	17	16			83	84	54	55	46	45
IL	2	1	98	99						
IN			100	100						
IA	60	60	40	40						
KS	95	95			5	5				
KY	4	4	96	96						
LA	4	4	96	96						
MD			100	100						
MI	3	3	53	53	44	44				
MN	100	100					100	100		
MS			100	100						
MO	4	5	96	95						
MT	97	97			3	3	99	99	1	1
NE	98	98			2	2				
NV					100	100	10	10	90	90
NJ			100	100						
NM	100	100								
NY	2	1	16	21	82	78				
NC			100	100						
ND	100	100					100	100		
OH			100	100						
OK	99	98	1	1		1				
OR	2	2			98	98	30	19	70	81
PA			100	100						
SC			100	100						
SD	100	100					100	100		
TN			100	100						
TX	92	92	8	8						
UT	75	75			25	25	60	65	40	35
VA			100	100						
WA	6	4			94	96	37	34	63	66
WV			100	100						
WI			96	96	4	4	100	100		
WY	100	100					99	95	1	5



## Winter Wheat: Head Population

The National Agricultural Statistics Service conducted objective yield surveys in 10 winter wheat estimating States during 2004. 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 actual field counts from this survey.

**Winter Wheat: Heads per Square Foot,  
Selected States, 2000-2004**

State	Month	2000	2001	2002	2003	2004
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
CO	July	48.0	34.2	35.9	38.9	32.8
	August	47.7	33.7	35.6	38.4	32.1
	Final	47.7	33.9	35.6	38.4	32.1
IL	July	55.0	53.1	59.4	56.5	51.0
	August	55.0	52.0	59.5	56.6	51.0
	Final	55.0	52.0	59.5	56.6	51.0
KS	July	46.5	39.7	41.7	50.4	41.2
	August	46.5	39.7	41.7	50.6	41.4
	Final	46.5	39.7	41.7	50.6	41.4
MO	July	49.9	47.7	54.8	51.3	51.8
	August	49.9	47.7	54.8	51.3	51.8
	Final	49.9	47.7	54.8	51.3	51.8
MT	July	41.3	25.6	36.3	44.5	40.2
	August	40.3	25.2	34.3	42.9	40.4
	Final	40.3	25.2	34.3	42.9	40.4
NE	July	57.5	46.6	52.4	59.5	43.0
	August	58.3	46.8	52.8	59.6	43.2
	Final	58.3	46.8	52.8	59.6	43.2
OH	July	59.5	52.0	58.5	53.1	52.1
	August	59.5	51.7	57.8	53.3	52.1
	Final	59.5	51.7	57.8	53.3	52.1
OK	July	40.2	32.5	40.2	46.8	40.5
	August	40.2	32.5	40.2	46.8	40.5
	Final	40.2	32.5	40.2	46.8	40.5
TX	July	31.4	33.4	34.2	36.3	31.7
	August	31.5	33.4	34.2	35.9	31.7
	Final	31.6	33.4	34.2	36.3	31.7
WA	July	40.6	37.3	37.8	37.2	36.4
	August	40.0	36.7	37.6	36.5	36.7
	Final	40.1	36.8	37.8	36.6	36.7

## All Spring Wheat: Head Population

The National Agricultural Statistics Service conducted objective yield surveys in three spring wheat producing States during 2004. Randomly selected plots in wheat fields were visited monthly from August through harvest to obtain specific counts and measurements. Data in this table are actual field counts from this survey.

**All Spring Wheat: Heads per Square Foot,  
Selected States, 2000-2004**

Crop and State		2000	2001	2002	2003	2004 <sup>1</sup>
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
<b>Other Spring</b>						
MN	Final	52.5	49.1	50.6	55.9	55.0
MT	Final	27.4	22.9	24.0	25.0	26.9
ND	Final	46.6	41.2	40.0	43.0	46.7
<b>Durum</b>						
ND	Final	24.2	23.3	23.7	24.3	27.2

<sup>1</sup> Preliminary. Final counts will be published in the "Crop Production 2004 Summary".

**Rye: Area Planted and Harvested by State  
and United States, 2002-2004**

State	Area Planted <sup>1</sup>			Area Harvested		
	2002	2003	2004	2002	2003	2004
	<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>
GA	240	270	250	35	50	25
ND	10	18	25	7	15	20
OK	280	260	300	65	70	110
SD	15	20	20	10	14	11
Oth Sts <sup>2</sup>	810	780	785	146	170	154
US	1,355	1,348	1,380	263	319	320

<sup>1</sup> Includes area planted in preceding fall.

<sup>2</sup> Other States include IL, KS, MI, MN, NE, NY, NC, PA, SC, TX, and WI.

**Rye: Yield and Production by State  
and United States, 2002-2004**

State	Yield			Production		
	2002	2003	2004	2002	2003	2004
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
GA	16.0	16.0	24.0	560	800	600
ND	30.0	50.0	39.0	210	750	780
OK	20.0	22.0	18.0	1,300	1,540	1,980
SD	27.0	48.0	59.0	270	672	649
Oth Sts <sup>1</sup>	28.4	28.7	29.9	4,148	4,872	4,606
US	24.7	27.1	26.9	6,488	8,634	8,615

<sup>1</sup> Other States include IL, KS, MI, MN, NE, NY, NC, PA, SC, TX, and WI.

**Small Grains - Annual Summary: Area Planted,  
United States, 2002-2004  
(Domestic Units)**

Crop	Area Planted		
	2002	2003	2004
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Oats	4,995	4,597	4,085
Barley	5,008	5,348	4,527
All Wheat	60,318	62,141	59,674
Winter	41,766	45,384	43,350
Durum	2,913	2,915	2,561
Other Spring	15,639	13,842	13,763
Rye	1,355	1,348	1,380

**Small Grains - Annual Summary: Area Harvested,  
United States, 2002-2004  
(Domestic Units)**

Crop	Area Harvested		
	2002	2003	2004
	<i>1,000 Acres</i>	<i>1,000 Acres</i>	<i>1,000 Acres</i>
Oats	2,058	2,220	1,807
Barley	4,123	4,727	4,031
All Wheat	45,824	53,063	50,204
Winter	29,742	36,753	34,462
Durum	2,709	2,869	2,448
Other Spring	13,373	13,441	13,294
Rye	263	319	320

**Small Grains - Annual Summary: Yield,  
United States, 2002-2004  
(Domestic Units)**

Crop	Yield		
	2002	2003	2004
	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>
Oats	56.4	65.0	64.5
Barley	55.0	58.9	69.5
All Wheat	35.0	44.2	43.1
Winter	38.2	46.7	43.5
Durum	29.5	33.7	37.0
Other Spring	29.1	39.5	43.1
Rye	24.7	27.1	26.9

**Small Grains - Annual Summary: Production,  
United States, 2002-2004  
(Domestic Units)**

Crop	Production		
	2002	2003	2004
	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>	<i>1,000 Bushels</i>
Oats	116,002	144,383	116,505
Barley	226,906	278,283	280,103
All Wheat	1,605,878	2,344,760	2,163,520
Winter	1,137,001	1,716,721	1,499,434
Durum	79,960	96,637	90,468
Other Spring	388,917	531,402	573,618
Rye	6,488	8,634	8,615

**Small Grains - Annual Summary: Area Planted,  
United States, 2002-2004  
(Metric Units)**

Crop	Area Planted		
	2002	2003	2004
	<i>Hectares</i>	<i>Hectares</i>	<i>Hectares</i>
Oats	2,021,430	1,860,360	1,653,160
Barley	2,026,690	2,164,280	1,832,030
All Wheat	24,410,090	25,147,840	24,149,470
Winter	16,902,280	18,366,450	17,543,310
Durum	1,178,860	1,179,670	1,036,410
Other Spring	6,328,950	5,601,720	5,569,750
Rye	548,350	545,520	558,470

**Small Grains - Annual Summary: Area Harvested,  
United States, 2002-2004  
(Metric Units)**

Crop	Area Harvested		
	2002	2003	2004
	<i>Hectares</i>	<i>Hectares</i>	<i>Hectares</i>
Oats	832,850	898,410	731,270
Barley	1,668,540	1,912,970	1,631,310
All Wheat	18,544,510	21,474,070	20,317,060
Winter	12,036,290	14,873,570	13,946,430
Durum	1,096,310	1,161,060	990,680
Other Spring	5,411,920	5,439,440	5,379,950
Rye	106,430	129,100	129,500

**Small Grains - Annual Summary: Yield,  
United States, 2002-2004  
(Metric Units)**

Crop	Yield		
	2002	2003	2004
	<i>Metric Tons</i>	<i>Metric Tons</i>	<i>Metric Tons</i>
Oats	2.02	2.33	2.31
Barley	2.96	3.17	3.74
All Wheat	2.36	2.97	2.90
Winter	2.57	3.14	2.93
Durum	1.98	2.27	2.49
Other Spring	1.96	2.66	2.90
Rye	1.55	1.70	1.69

**Small Grains - Annual Summary: Production,  
United States, 2002-2004  
(Metric Units)**

Crop	Production		
	2002	2003	2004
	<i>Metric Tons</i>	<i>Metric Tons</i>	<i>Metric Tons</i>
Oats	1,683,760	2,095,710	1,691,070
Barley	4,940,300	6,058,900	6,098,520
All Wheat	43,704,840	63,813,910	58,881,370
Winter	30,944,100	46,721,490	40,807,910
Durum	2,176,150	2,630,030	2,462,140
Other Spring	10,584,590	14,462,390	15,611,320
Rye	164,800	219,310	218,830

**Oats:** Production is estimated at 117 million bushels, 9 percent below the August 1 forecast and 19 percent below last year's 144 million bushels. The estimated yield is 64.5 bushels per acre, down 1.5 bushels from August and down 0.5 bushel from a year ago. Record high yields are estimated in South Dakota and Washington. Harvested area is 1.81 million acres, 7 percent below the August 1 forecast and 19 percent below last year. This is the smallest acreage harvested for grain on record, continuing a steady downward trend. Compared with last year, area harvested for grain declined 65,000 acres in Minnesota, 135,000 acres in North Dakota, and 60,000 acres in South Dakota.

During April, much of the Corn Belt and Great Plains regions experienced favorable weather conditions and adequate soil moisture, allowing planting to progress ahead of normal. In the Ohio and upper Mississippi Valleys, planting continued at a rapid pace through month's end. By April 25, the major oat-producing States had 61 percent of the acreage planted compared with 40 percent for the five year average.

The northern Great Plains received frequent showers around mid-May which provided much-needed moisture for the emerging crop. However, below normal temperatures slowed crop development slightly. In the Corn Belt, beneficial rains allowed for adequate growth and development. By the end of May, 92 percent had emerged compared with 87 percent for the five year average. During June, cooler weather in the northern Great Plains began to slow crop development, while in the Corn Belt, lower temperatures did not have much of an adverse effect on the crop.

During July, fields entered the heading stage and matured at a near normal pace in all States except Minnesota, where cool weather caused progress to lag. By August 1, harvest had begun in all States, but was behind normal due to continued cool weather and areas of thunderstorms. By the end of the month favorably drier conditions allowed harvest to advance to near normal levels, except in Minnesota and North Dakota. On September 5, harvest was 90 percent complete in Minnesota and 79 percent complete in North Dakota, compared with 97 percent and 87 percent for their respective five year averages. Elsewhere, harvest was virtually complete.

**Barley:** Production is estimated at 280 million bushels, up 3 percent from the August 1 forecast and up 1 percent from last year's estimate. Average yield per acre, at 69.5 bushels, is up 3.8 bushels from the last forecast and 10.6 bushels above 2003. The area harvested for grain is estimated at 4.03 million acres, 15 percent below a year ago. Nationally, harvested area is the smallest since 1894 but yield is a new record high, 7.0 bushels above the previous record of 62.5 bushels set in 1992. Record State yields were set in Colorado, Idaho, Montana, Nebraska, and South Dakota.

This year's barley crop got an early start in the five major-producing States, with planting and emergence advancing well ahead of the 5-year average. However, as below-normal temperatures prevailed across the northern Great Plains and northern Corn Belt throughout the summer, development lagged behind the normal pace. On August 29, harvest was 61 percent complete, 29 points behind last year and 14 points behind normal. With maturity delayed by the cool summer conditions, Minnesota growers had harvested just 50 percent of their acreage, 37 points behind normal, while North Dakota producers, with 57 percent of their acreage harvested, trailed the normal pace by 21 points.

**Winter Wheat:** The 2004 winter wheat production is estimated at 1.50 billion bushels. This is up nearly 1 percent from the August forecast but 13 percent below last year's crop. The U.S. yield is 43.5 bushels per acre, up 0.7 bushel from August but 3.2 bushels below last year's final yield. Acreage for grain is estimated at 34.5 million acres, 6 percent below 2003. Planted area is 43.4 million acres, down 4 percent from the previous year.

Hard Red Winter (HRW) harvested acreage was down significantly from last year in the central Great Plains and Montana due to fewer planted acres and higher than normal abandonment. Dry spring conditions led to lower yields in all Plains States, except Texas and South Dakota. Timely rains in South

Dakota and Montana resulted in better yields than in 2003. Yields in Texas rebounded from below average levels last year. Overall, HRW production totals 856 million bushels, down 20 percent from last year.

Soft Red Winter (SRW) producing States' yields improved significantly from poor yields last year in the South and along the Atlantic coast. Yields declined from very good levels last year in most other States. Overall, SRW production is down fractionally from 2003 and totals 380 million bushels.

White Winter production, at 263 million bushels, is down 1 percent from last year. Improved yields more than offset lower acreage in the Pacific Northwest (Idaho, Oregon, and Washington). Excellent irrigated and non-irrigated yields in Idaho resulted in a State level yield equal to the record high set in 2000.

**Other Spring Wheat:** Production in 2004 is estimated at 574 million bushels, up 5 percent from the last forecast and up 8 percent from 2003. Harvested area is 13.3 million acres, 1 percent lower than last year. The U.S. yield is a record high 43.1 bushels per acre, 3.6 bushels better than last year and 1.3 bushels higher than the previous record set in 1992.

Dry spring conditions resulted in timely seeding of the crop. Early planting combined with timely rains resulted in rapid emergence. Crop development slowed throughout the summer due to cool temperatures and frequent precipitation, especially in Minnesota, North Dakota, and Montana. Cool, damp weather continued into August and September, delaying harvest progress. As of September 26, only 88 percent of the crop was harvested, 10 points behind the 5-year average.

Yields are better than last year in all States except Minnesota and Wisconsin, with large increases in most States. Objective yield survey data showed very high plant populations and weight per head in Minnesota, North Dakota, and Montana. Timely rains in eastern Idaho resulted in very good dryland yields.

**Durum Wheat:** Production for 2004 totaled 90.5 million bushels, up 2 percent from August 1, but 6 percent less than last year. Grain area harvested totaled 2.45 million acres, 15 percent below a year ago. The U.S. yield is estimated at 37.0 bushels per acre, up 1.7 bushels from the last forecast and 3.3 bushels per acre above 2003. North Dakota's Durum harvest was only 42 percent complete as of September 12, more than 2 weeks behind the 5-year average and 3 weeks behind last year.

**Rye:** Production for 2004 is estimated at 8.62 million bushels, down fractionally from last year. Harvested area totaled 320,000 acres, up 1,000 from 2003. The U.S. yield, at 26.9 bushels per acre, is down 0.2 bushel from last year. Oklahoma leads the Nation in production and recorded their largest crop on record. South Dakota set a new record high yield, breaking last year's record by 11 bushels per acre.

## Information Contacts

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### 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).

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# **USDA Data Users' Meeting**

**October 18, 2004**

**Hampton Inn & Suites**

**Chicago, Illinois**

**(312) 832-0330**

The USDA's 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 various statistical and information programs and seek comments and input from data users. Other USDA agencies to be represented will include the Agricultural Marketing Service, the Economic Research Service, the Foreign Agricultural Service, and World Agricultural Outlook Board. The Foreign Trade Division from the Census Bureau will also be included in the meeting.

For registration details or additional information for the Data Users' Meeting, see the NASS homepage at [www.usda.gov/nass/](http://www.usda.gov/nass/) or contact Karlyn McCutcheon (NASS) at (202) 690-8141 or at [karlyn\\_mccutcheon@nass.usda.gov](mailto:karlyn_mccutcheon@nass.usda.gov).

This Data Users' Meeting precedes an Industry Outlook meeting that will be held at the same location on October 19, 2004. The Outlook meeting brings together analysts from various commodity sectors to discuss the outlook situation. For more information about the outlook meeting and to register contact Jim Robb (Livestock and Marketing Information Center) at (720) 544-2941 or at [robb@lmic.info](mailto:robb@lmic.info).