United States
Department of
Agriculture

National
Agricultural
Statistics
Service

Small Grains
2003 Summary

September 2003

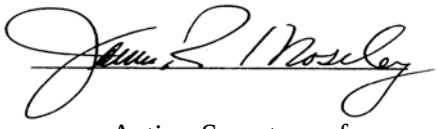
Cr Pr 2-3 (03)

All wheat production totaled 2.34 billion bushels in 2003, up 2 percent from the last forecast and 44 percent above 2002. Grain area is 52.8 million acres, up 15 percent from last year. The U.S. yield is 44.2 bushels per acre, up 8.9 bushels from a year ago. Levels of production and change from last year by type are: winter wheat, 1.71 billion bushels, up 49 percent; other spring wheat, 533 million bushels, up 35 percent; and Durum wheat, 96.6 million bushels, up 22 percent.

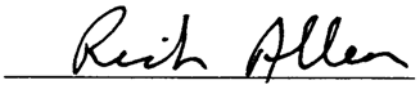
Oat production is estimated at 145 million bushels, 4 percent below the August 1 forecast but 22 percent above last year's 119 million bushels. The estimated yield is 65.0 bushels per acre, nearly the same as the August 1 forecast and up 8.3 bushels from a year ago. Record high yields are estimated in Illinois, Iowa, Kansas, Michigan, Missouri, Nebraska, and South Dakota. Harvested area is 2.22 million acres, 5 percent below the August 1 forecast but 6 percent above last year. Compared with the August 1 estimate, area harvested for grain declined 20,000 acres each in Colorado, Iowa, Kansas, Montana, Nebraska, and Wisconsin.

Barley production is estimated at 276 million bushels, down 2 percent from the last forecast but up 22 percent from last year. Average yield per acre, at 58.9 bushels, is up 1.4 bushels from the last forecast and 4.0 bushels above 2002. The area harvested for grain is estimated at 4.69 million acres, down 4 percent from August but 14 percent above a year ago. The harvested area is down from August due mostly to hot dry weather in Montana where farmers were diverting some barley from grain to hay.

This report was approved on September 30, 2003.



Acting Secretary of
Agriculture
James R. Moseley



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Oats: Area Planted and Harvested, by State and United States, 2001-2003

State	Area Planted [1]			Area Harvested		
	2001	2002	2003	2001	2002	2003
	1,000 Acres	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*
CA	260	260	260	15	27	35
CO	80	65	100	32	8	15
GA	100	90	100	35	25	30
ID	130	125	120	20	25	25
IL	60	65	60	40	50	50
IN	25	20	25	16	14	15
IA	240	290	220	130	175	130
KS	100	140	140	40	60	70
ME	33	30	31	31	29	30
MI	70	80	90	55	65	75
MN	300	420	350	210	285	265
MO	40	65	30	20	35	18
MT	130	145	120	60	55	45
NE	155	175	220	60	55	90
NY	95	70	85	80	55	70
NC	60	75	55	30	35	22
ND	575	670	620	240	290	360
OH	100	70	80	85	60	60
OK	55	85	70	10	30	25
OR	55	70	60	25	30	20
PA	150	140	140	115	115	110
SC	50	50	40	25	30	20
SD	350	450	420	130	100	230
TX	725	750	625	160	160	140
UT	60	60	65	6	5	6
WA	30	35	35	12	10	15
WI	300	430	380	195	250	230
WY	75	70	60	28	15	23
US	4,403	4,995	4,601	1,905	2,093	2,224

[1] Includes area planted in preceding fall.

Oats: Yield and Production, by State and United States, 2001-2003

State	Yield			Production		
	2001	2002	2003	2001	2002	2003
	Bushels	*Bushels*	*Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*
CA	60.0	80.0	80.0	900	2,160	2,800
CO	60.0	50.0	65.0	1,920	400	975
GA	65.0	60.0	56.0	2,275	1,500	1,680
ID	68.0	70.0	65.0	1,360	1,750	1,625
IL	80.0	69.0	89.0	3,200	3,450	4,450
IN	80.0	62.0	70.0	1,280	868	1,050
IA	70.0	76.0	83.0	9,100	13,300	10,790
KS	53.0	52.0	65.0	2,120	3,120	4,550
ME	75.0	90.0	78.0	2,325	2,610	2,340
MI	64.0	64.0	70.0	3,520	4,160	5,250
MN	60.0	56.0	71.0	12,600	15,960	18,815
MO	50.0	48.0	67.0	1,000	1,680	1,206
MT	40.0	49.0	44.0	2,400	2,695	1,980
NE	61.0	43.0	73.0	3,660	2,365	6,570
NY	69.0	66.0	63.0	5,520	3,630	4,410
NC	56.0	57.0	59.0	1,680	1,995	1,298
ND	62.0	44.0	59.0	14,880	12,760	21,240
OH	73.0	62.0	66.0	6,205	3,720	3,960
OK	38.0	37.0	36.0	380	1,110	900
OR	77.0	88.0	75.0	1,925	2,640	1,500
PA	65.0	61.0	59.0	7,475	7,015	6,490
SC	57.0	43.0	56.0	1,425	1,290	1,120
SD	60.0	45.0	68.0	7,800	4,500	15,640
TX	45.0	44.0	45.0	7,200	7,040	6,300
UT	65.0	90.0	82.0	390	450	492
WA	55.0	65.0	50.0	660	650	750
WI	64.0	60.0	67.0	12,480	15,000	15,410
WY	48.0	54.0	46.0	1,344	810	1,058
US	61.4	56.7	65.0	117,024	118,628	144,649

Barley: Area Planted and Harvested, by State and United States, 2001-2003

State	Area Planted [1]			Area Harvested		
	2001	2002	2003	2001	2002	2003
	1,000 Acres	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*
AZ	42	46	32	40	40	30
CA	160	130	100	110	75	58
CO	90	85	85	80	72	82
DE	29	25	25	26	23	21
ID	700	730	750	670	710	720
KS	9	8	9	8	7	8
KY	9	10	9	8	8	8
ME	27	27	28	26	26	27
MD	55	45	45	51	41	38
MI	21	20	15	18	19	14
MN	160	210	190	145	165	170
MT	1,100	1,200	1,100	720	950	810
NE	5	6	6	4	5	4
NV	4	4	5	1	2	3
NJ	5	4	4	4	3	3
NY	15	11	14	12	10	12
NC	28	31	20	18	20	14
ND	1,500	1,600	2,050	1,450	1,240	1,980
OH	6	6	7	5	5	6
OR	110	78	70	100	68	60
PA	70	70	75	60	60	65
SD	90	80	75	78	45	55
UT	85	70	45	65	45	35
VA	70	75	75	50	40	45
WA	430	350	320	420	340	310
WI	47	60	55	35	40	35
WY	100	90	90	85	70	75
US	4,967	5,071	5,299	4,289	4,129	4,688

[1] Includes area planted in preceding fall.

Barley: Yield and Production, by State and United States, 2001-2003

State	Yield			Production		
	2001	2002	2003	2001	2002	2003
	Bushels	*Bushels*	*Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*
AZ	110.0	110.0	118.0	4,400	4,400	3,540
CA	53.0	68.0	64.0	5,830	5,100	3,712
CO	107.0	100.0	109.0	8,560	7,200	8,938
DE	77.0	84.0	59.0	2,002	1,932	1,239
ID	75.0	76.0	66.0	50,250	53,960	47,520
KS	50.0	34.0	57.0	400	238	456
KY	85.0	64.0	75.0	680	512	600
ME	70.0	80.0	65.0	1,820	2,080	1,755
MD	75.0	82.0	57.0	3,825	3,362	2,166
MI	56.0	52.0	56.0	1,008	988	784
MN	55.0	39.0	75.0	7,975	6,435	12,750
MT	41.0	42.0	39.0	29,520	39,900	31,590
NE	45.0	43.0	50.0	180	215	200
NV	90.0	97.0	80.0	90	194	240
NJ	54.0	74.0	45.0	216	222	135
NY	51.0	47.0	50.0	612	470	600
NC	67.0	69.0	56.0	1,206	1,380	784
ND	55.0	46.0	60.0	79,750	57,040	118,800
OH	76.0	48.0	58.0	380	240	348
OR	45.0	50.0	64.0	4,500	3,400	3,840
PA	70.0	74.0	61.0	4,200	4,440	3,965
SD	52.0	41.0	53.0	4,056	1,845	2,915
UT	68.0	64.0	80.0	4,420	2,880	2,800
VA	75.0	77.0	62.0	3,750	3,080	2,790
WA	50.0	54.0	47.0	21,000	18,360	14,570
WI	52.0	45.0	55.0	1,820	1,800	1,925
WY	82.0	70.0	95.0	6,970	4,900	7,125
US	58.2	54.9	58.9	249,420	226,573	276,087

All Wheat: Area Planted and Harvested, by State and United States, 2001-2003

State	Area Planted [1]			Area Harvested		
	2001	2002	2003	2001	2002	2003
	1,000 Acres	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*
AL	170	150	150	70	60	75
AZ	94	99	119	93	99	119
AR	1,100	960	700	970	840	570
CA	615	625	805	461	390	485
CO	2,397	2,375	2,630	2,044	1,674	2,229
DE	60	60	50	57	58	47
FL	10	19	20	9	7	12
GA	300	350	380	200	200	230
ID	1,280	1,260	1,240	1,200	1,200	1,170
IL	750	680	850	720	650	810
IN	400	350	460	380	330	430
IA	25	20	21	18	16	19
KS	9,800	9,600	10,400	8,200	8,100	10,000
KY	550	550	480	360	340	330
LA	175	230	155	160	220	140
MD	190	195	165	175	180	145
MI	570	500	680	560	490	660
MN	1,867	2,040	1,877	1,815	1,834	1,825
MS	250	250	150	225	205	125
MO	900	900	960	760	760	870
MT	5,360	5,790	5,290	4,215	4,765	5,050
NE	1,750	1,650	1,900	1,600	1,520	1,820
NV	15	13	12	3	5	7
NJ	31	38	31	27	32	26
NM	500	520	500	240	170	140
NY	125	130	130	120	128	120
NC	680	650	530	470	480	410
ND	9,450	9,080	8,630	9,080	7,920	8,500
OH	950	860	1,060	900	810	1,000
OK	5,600	6,100	6,600	3,700	3,600	4,600
OR	910	950	1,115	855	850	1,080
PA	170	190	175	160	185	165
SC	220	210	200	210	190	185
SD	3,025	3,030	3,028	2,044	1,630	2,747
TN	500	470	430	340	300	270
TX	5,600	6,400	6,600	3,200	2,700	3,450
UT	160	155	175	141	136	135
VA	200	230	210	170	170	160
WA	2,490	2,420	2,400	2,380	2,365	2,345
WV	12	12	12	8	7	7
WI	178	198	212	167	177	180
WY	168	159	168	126	124	151
US	59,597	60,468	61,700	48,633	45,917	52,839

[1] Includes area planted in preceding fall.

All Wheat: Yield and Production, by State and United States, 2001-2003

State	Yield			Production		
	2001	2002	2003	2001	2002	2003
	Bushels	*Bushels*	*Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*
AL	48.0	40.0	42.0	3,360	2,400	3,150
AZ	91.6	95.5	100.1	8,517	9,455	11,912
AR	52.0	46.0	50.0	50,440	38,640	28,500
CA	76.1	80.8	70.2	35,105	31,500	34,070
CO	33.8	23.0	35.1	69,168	38,460	78,160
DE	61.0	70.0	41.0	3,477	4,060	1,927
FL	41.0	43.0	41.0	369	301	492
GA	53.0	41.0	46.0	10,600	8,200	10,580
ID	71.0	73.1	74.6	85,150	87,660	87,300
IL	61.0	49.0	65.0	43,920	31,850	52,650
IN	66.0	53.0	69.0	25,080	17,490	29,670
IA	54.0	50.0	61.0	972	800	1,159
KS	40.0	33.0	48.0	328,000	267,300	480,000
KY	66.0	53.0	62.0	23,760	18,020	20,460
LA	50.0	40.0	41.0	8,000	8,800	5,740
MD	63.0	66.0	37.0	11,025	11,880	5,365
MI	64.0	67.0	68.0	35,840	32,830	44,880
MN	43.9	33.9	57.8	79,655	62,240	105,482
MS	52.0	44.0	49.0	11,700	9,020	6,125
MO	54.0	45.0	61.0	41,040	34,200	53,070
MT	22.9	23.1	27.2	96,570	109,895	137,530
NE	37.0	32.0	46.0	59,200	48,640	83,720
NV	90.0	81.0	78.4	270	405	549
NJ	45.0	58.0	42.0	1,215	1,856	1,092
NM	34.0	22.0	30.0	8,160	3,740	4,200
NY	53.0	58.0	53.0	6,360	7,424	6,360
NC	39.0	42.0	36.0	18,330	20,160	14,760
ND	32.2	27.3	37.3	292,400	216,610	317,090
OH	67.0	62.0	68.0	60,300	50,220	68,000
OK	33.0	28.0	39.0	122,100	100,800	179,400
OR	38.2	40.0	49.6	32,650	34,010	53,540
PA	52.0	54.0	43.0	8,320	9,990	7,095
SC	43.0	37.0	39.0	9,030	7,030	7,215
SD	37.6	25.9	42.3	76,766	42,235	116,241
TN	54.0	46.0	50.0	18,360	13,800	13,500
TX	34.0	29.0	28.0	108,800	78,300	96,600
UT	42.8	36.0	41.4	6,034	4,892	5,585
VA	60.0	63.0	46.0	10,200	10,710	7,360
WA	55.7	54.8	59.4	132,580	129,695	139,345
WV	58.0	48.0	41.0	464	336	287
WI	64.1	60.9	68.3	10,708	10,771	12,300
WY	24.2	19.2	26.9	3,048	2,376	4,065
US	40.2	35.3	44.2	1,957,043	1,619,001	2,336,526

Winter Wheat: Area Planted and Harvested, by State and United States, 2001-2003

State	Area Planted [1]			Area Harvested		
	2001	2002	2003	2001	2002	2003
	1,000 Acres	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*
AL	170	150	150	70	60	75
AZ	6	10	4	6	10	4
AR	1,100	960	700	970	840	570
CA	530	530	675	380	300	370
CO	2,350	2,350	2,600	2,000	1,650	2,200
DE	60	60	50	57	58	47
FL	10	19	20	9	7	12
GA	300	350	380	200	200	230
ID	760	730	760	710	690	720
IL	750	680	850	720	650	810
IN	400	350	460	380	330	430
IA	25	20	21	18	16	19
KS	9,800	9,600	10,400	8,200	8,100	10,000
KY	550	550	480	360	340	330
LA	175	230	155	160	220	140
MD	190	195	165	175	180	145
MI	570	500	680	560	490	660
MN	15	35	25	13	30	23
MS	250	250	150	225	205	125
MO	900	900	960	760	760	870
MT	1,300	1,450	1,800	870	750	1,720
NE	1,750	1,650	1,900	1,600	1,520	1,820
NV	9	6	7	2	3	3
NJ	31	38	31	27	32	26
NM	500	520	500	240	170	140
NY	125	130	130	120	128	120
NC	680	650	530	470	480	410
ND	150	80	130	80	70	120
OH	950	860	1,060	900	810	1,000
OK	5,600	6,100	6,600	3,700	3,600	4,600
OR	750	800	970	700	710	940
PA	170	190	175	160	185	165
SC	220	210	200	210	190	185
SD	1,300	1,300	1,600	370	625	1,380
TN	500	470	430	340	300	270
TX	5,600	6,400	6,600	3,200	2,700	3,450
UT	140	140	160	125	125	125
VA	200	230	210	170	170	160
WA	1,850	1,800	1,850	1,750	1,750	1,800
WV	12	12	12	8	7	7
WI	170	190	205	160	170	175
WY	160	150	160	120	120	145
US	41,078	41,845	44,945	31,295	29,751	36,541

[1] Includes area planted in preceding fall.

Winter Wheat: Yield and Production, by State and United States, 2001-2003

State	Yield			Production		
	2001	2002	2003	2001	2002	2003
	Bushels	*Bushels*	*Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*
AL	48.0	40.0	42.0	3,360	2,400	3,150
AZ	100.0	100.0	103.0	600	1,000	412
AR	52.0	46.0	50.0	50,440	38,640	28,500
CA	70.0	75.0	61.0	26,600	22,500	22,570
CO	33.0	22.0	35.0	66,000	36,300	77,000
DE	61.0	70.0	41.0	3,477	4,060	1,927
FL	41.0	43.0	41.0	369	301	492
GA	53.0	41.0	46.0	10,600	8,200	10,580
ID	73.0	79.0	80.0	51,830	54,510	57,600
IL	61.0	49.0	65.0	43,920	31,850	52,650
IN	66.0	53.0	69.0	25,080	17,490	29,670
IA	54.0	50.0	61.0	972	800	1,159
KS	40.0	33.0	48.0	328,000	267,300	480,000
KY	66.0	53.0	62.0	23,760	18,020	20,460
LA	50.0	40.0	41.0	8,000	8,800	5,740
MD	63.0	66.0	37.0	11,025	11,880	5,365
MI	64.0	67.0	68.0	35,840	32,830	44,880
MN	29.0	30.0	42.0	377	900	966
MS	52.0	44.0	49.0	11,700	9,020	6,125
MO	54.0	45.0	61.0	41,040	34,200	53,070
MT	22.0	28.0	37.0	19,140	21,000	63,640
NE	37.0	32.0	46.0	59,200	48,640	83,720
NV	95.0	85.0	83.0	190	255	249
NJ	45.0	58.0	42.0	1,215	1,856	1,092
NM	34.0	22.0	30.0	8,160	3,740	4,200
NY	53.0	58.0	53.0	6,360	7,424	6,360
NC	39.0	42.0	36.0	18,330	20,160	14,760
ND	40.0	38.0	49.0	3,200	2,660	5,880
OH	67.0	62.0	68.0	60,300	50,220	68,000
OK	33.0	28.0	39.0	122,100	100,800	179,400
OR	40.0	41.0	51.0	28,000	29,110	47,940
PA	52.0	54.0	43.0	8,320	9,990	7,095
SC	43.0	37.0	39.0	9,030	7,030	7,215
SD	32.0	29.0	43.0	11,840	18,125	59,340
TN	54.0	46.0	50.0	18,360	13,800	13,500
TX	34.0	29.0	28.0	108,800	78,300	96,600
UT	42.0	35.0	41.0	5,250	4,375	5,125
VA	60.0	63.0	46.0	10,200	10,710	7,360
WA	61.0	59.0	65.0	106,750	103,250	117,000
WV	58.0	48.0	41.0	464	336	287
WI	65.0	62.0	69.0	10,400	10,540	12,075
WY	24.0	19.0	27.0	2,880	2,280	3,915
US	43.5	38.5	46.7	1,361,479	1,145,602	1,707,069

Other Spring Wheat: Area Planted, Harvested, Yield, and Production by State and United States, 2001-2003

State	Area Planted			Area Harvested		
	2001	2002	2003	2001	2002	2003
	1,000 Acres	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*
CO	47	25	30	44	24	29
ID	520	530	480	490	510	450
MN	1,850	2,000	1,850	1,800	1,800	1,800
MT	3,550	3,750	2,850	2,850	3,450	2,700
NV	6	7	5	1	2	4
ND	7,100	6,900	6,500	6,900	5,900	6,400
OR	160	150	145	155	140	140
SD	1,700	1,700	1,400	1,650	1,000	1,340
UT	20	15	15	16	11	10
WA	640	620	550	630	615	545
WI	8	8	7	7	7	5
WY	8	9	8	6	4	6
US	15,609	15,714	13,840	14,549	13,463	13,429
	Yield			Production		
	2001	2002	2003	2001	2002	2003
	Bushels	*Bushels*	*Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*
CO	72.0	90.0	40.0	3,168	2,160	1,160
ID	68.0	65.0	66.0	33,320	33,150	29,700
MN	44.0	34.0	58.0	79,200	61,200	104,400
MT	23.0	22.0	22.0	65,550	75,900	59,400
NV	80.0	75.0	75.0	80	150	300
ND	34.0	28.0	39.5	234,600	165,200	252,800
OR	30.0	35.0	40.0	4,650	4,900	5,600
SD	39.0	24.0	42.0	64,350	24,000	56,280
UT	49.0	47.0	46.0	784	517	460
WA	41.0	43.0	41.0	25,830	26,445	22,345
WI	44.0	33.0	45.0	308	231	225
WY	28.0	24.0	25.0	168	96	150
US	35.2	29.3	39.7	512,008	393,949	532,820

Durum Wheat: Area Planted, Harvested, Yield, and Production by State and United States, 2001-2003

State	Area Planted			Area Harvested		
	2001	2002	2003	2001	2002	2003
	1,000 Acres	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*
AZ	88	89	115	87	89	115
CA	85	95	130	81	90	115
MN	2	5	2	2	4	2
MT	510	590	640	495	565	630
ND	2,200	2,100	2,000	2,100	1,950	1,980
SD	25	30	28	24	5	27
US	2,910	2,909	2,915	2,789	2,703	2,869
	Yield			Production		
	2001	2002	2003	2001	2002	2003
	Bushels	*Bushels*	*Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*
AZ	91.0	95.0	100.0	7,917	8,455	11,500
CA	105.0	100.0	100.0	8,505	9,000	11,500
MN	39.0	35.0	58.0	78	140	116
MT	24.0	23.0	23.0	11,880	12,995	14,490
ND	26.0	25.0	29.5	54,600	48,750	58,410
SD	24.0	22.0	23.0	576	110	621
US	30.0	29.4	33.7	83,556	79,450	96,637

Wheat: Production by Class, United States, 2001-2003 [1]

Year	Winter			Spring			Total
	Hard Red	Soft Red	White	Hard Red	White	Durum	
	1,000 Bushels	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*
2001	766,795	399,670	195,014	475,515	36,493	83,556	1,957,043
2002	612,015	332,303	201,284	353,744	40,205	79,450	1,619,001
2003	1,062,889	379,196	264,984	499,926	32,894	96,637	2,336,526

[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 2004 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, 2002-2003

State	Winter						Oth Spr (excl Durum)			
	Hard Red		Soft Red		White		Hard Red		White	
	2002	2003	2002	2003	2002	2003	2002	2003	2002	2003
	Percent	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*
AL			100	100						
AZ	100	100								
AR			100	100						
CA	95	92			5	8				
CO	100	95				5	84	84	16	16
DE			100	100						
FL			100	100						
GA			100	100						
ID	13	17			87	83	46	54	54	46
IL	2	2	98	98						
IN			100	100						
IA	60	60	40	40						
KS	99	95			1	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	3	4	97	96						
MT	97	97			3	3	99	99	1	1
NE	100	98				2				
NV					100	100	15	10	85	90
NJ			100	100						
NM	100	100								
NY	2	2	13	16	85	82				
NC			100	100						
ND	100	100					100	100		
OH			100	100						
OK	99	99	1	1						
OR	1	2			99	98	25	30	75	70
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	60	40	40
VA			100	100						
WA	5	6			95	94	35	37	65	63
WV			100	100						
WI			96	96	4	4	100	100		
WY	100	100					99	99	1	1

Winter Wheat: Head Population

The National Agricultural Statistics Service conducted objective yield surveys in 10 winter wheat estimating States during 2003. 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, 1999-2003

State	Month	1999	2000	2001	2002	2003
		Number	*Number*	*Number*	*Number*	*Number*
CO	July	42.1	48.0	34.2	35.9	38.9
	August	43.5	47.7	33.7	35.6	38.4
	Final	43.4	47.7	33.9	35.6	38.4
IL	July	59.7	55.0	53.1	59.4	56.5
	August	59.6	55.0	52.0	59.5	56.6
	Final	59.6	55.0	52.0	59.5	56.6
KS	July	49.4	46.5	39.7	41.7	50.4
	August	49.4	46.5	39.7	41.7	50.6
	Final	49.4	46.5	39.7	41.7	50.6
MO	July	47.0	49.9	47.7	54.8	51.3
	August	47.0	49.9	47.7	54.8	51.3
	Final	47.0	49.9	47.7	54.8	51.3
MT	July	37.0	41.3	25.6	36.3	44.5
	August	36.5	40.3	25.2	34.3	42.9
	Final	36.3	40.3	25.2	34.3	42.9
NE	July	59.8	57.5	46.6	52.4	59.5
	August	57.9	58.3	46.8	52.8	59.6
	Final	57.9	58.3	46.8	52.8	59.6
OH	July	57.0	59.5	52.0	58.5	53.1
	August	57.3	59.5	51.7	57.8	53.3
	Final	57.3	59.5	51.7	57.8	53.3
OK	July	40.2	40.2	32.5	40.2	46.8
	August	40.1	40.2	32.5	40.2	46.8
	Final	40.1	40.2	32.5	40.2	46.8
TX	July	40.7	31.4	33.4	34.2	36.3
	August	40.7	31.5	33.4	34.2	35.9
	Final	40.7	31.6	33.4	34.2	36.3
WA	July	35.1	40.6	37.3	37.8	37.2
	August	34.3	40.0	36.7	37.6	36.5
	Final	35.0	40.1	36.8	37.8	36.6

All Spring Wheat: Head Population

The National Agricultural Statistics Service conducted objective yield surveys in three spring wheat producing States during 2003. 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, 1999-2003

Crop and State		1999	2000	2001	2002	2003 [1]
		Number	*Number*	*Number*	*Number*	*Number*
Other Spring						
MN	Final	49.4	52.5	49.1	50.6	55.9
MT	Final	24.5	27.4	22.9	24.0	25.0
ND	Final	37.1	46.6	41.2	40.0	43.0
Durum						
ND	Final	22.9	24.2	23.3	23.7	24.3

[1] Preliminary. Final counts will be published in the "Crop Production 2003 Summary".

Rye: Area Planted and Harvested by State and United States, 2001-2003

State	Area Planted [1]			Area Harvested		
	2001	2002	2003	2001	2002	2003
	1,000 Acres	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*	*1,000 Acres*
GA	300	260	270	35	45	50
ND	13	10	18	10	9	15
OK	250	300	280	50	65	90
SD	10	15	20	10	10	14
Oth Sts [2]	755	810	780	150	152	170
US	1,328	1,395	1,368	255	281	339

[1] Includes area planted in preceding fall.
[2] Other States include IL, KS, MI, MN, NE, NY, NC, PA, SC, TX, and WI.

Rye: Yield and Production by State and United States, 2001-2003

State	Yield			Production		
	2001	2002	2003	2001	2002	2003
	Bushels	*Bushels*	*Bushels*	*1,000 Bushels*	*1,000 Bushels*	*1,000 Bushels*
GA	25.0	16.0	16.0	875	720	800
ND	34.0	38.0	50.0	340	342	750
OK	23.0	20.0	24.0	1,150	1,300	2,160
SD	35.0	27.0	48.0	350	270	672
Oth Sts [1]	28.4	28.4	28.7	4,256	4,323	4,872
US	27.3	24.8	27.3	6,971	6,955	9,254

[1] Other States include IL, KS, MI, MN, NE, NY, NC, PA, SC, TX, and WI.

Small Grains - Annual Summary: Area Planted,
United States, 2001-2003
(Domestic Units)

Crop	Area Planted		
	2001	2002	2003
	1,000 Acres	*1,000 Acres*	*1,000 Acres*
Oats	4,403	4,995	4,601
Barley	4,967	5,071	5,299
All Wheat	59,597	60,468	61,700
Winter	41,078	41,845	44,945
Durum	2,910	2,909	2,915
Other Spring	15,609	15,714	13,840
Rye	1,328	1,395	1,368

Small Grains - Annual Summary: Area Harvested,
United States, 2001-2003
(Domestic Units)

Crop	Area Harvested		
	2001	2002	2003
	1,000 Acres	*1,000 Acres*	*1,000 Acres*
Oats	1,905	2,093	2,224
Barley	4,289	4,129	4,688
All Wheat	48,633	45,917	52,839
Winter	31,295	29,751	36,541
Durum	2,789	2,703	2,869
Other Spring	14,549	13,463	13,429
Rye	255	281	339

Small Grains - Annual Summary: Yield,
United States, 2001-2003
(Domestic Units)

Crop	Yield		
	2001	2002	2003
	Bushels	*Bushels*	*Bushels*
Oats	61.4	56.7	65.0
Barley	58.2	54.9	58.9
All Wheat	40.2	35.3	44.2
Winter	43.5	38.5	46.7
Durum	30.0	29.4	33.7
Other Spring	35.2	29.3	39.7
Rye	27.3	24.8	27.3

Small Grains - Annual Summary: Production,
United States, 2001-2003
(Domestic Units)

Crop	Production		
	2001	2002	2003
	1,000 Bushels	*1,000 Bushels*	*1,000 Bushels*
Oats	117,024	118,628	144,649
Barley	249,420	226,573	276,087
All Wheat	1,957,043	1,619,001	2,336,526
Winter	1,361,479	1,145,602	1,707,069
Durum	83,556	79,450	96,637
Other Spring	512,008	393,949	532,820
Rye	6,971	6,955	9,254

Small Grains - Annual Summary: Area Planted,
United States, 2001-2003
(Metric Units)

Crop	Area Planted		
	2001	2002	2003
	Hectares	*Hectares*	*Hectares*
Oats	1,781,850	2,021,430	1,861,980
Barley	2,010,100	2,052,180	2,144,450
All Wheat	24,118,310	24,470,790	24,969,370
Winter	16,623,860	16,934,250	18,188,790
Durum	1,177,650	1,177,240	1,179,670
Other Spring	6,316,810	6,359,300	5,600,910
Rye	537,430	564,540	553,620

Small Grains - Annual Summary: Area Harvested,
United States, 2001-2003
(Metric Units)

Crop	Area Harvested		
	2001	2002	2003
	Hectares	*Hectares*	*Hectares*
Oats	770,930	847,020	900,030
Barley	1,735,720	1,670,970	1,897,190
All Wheat	19,681,290	18,582,150	21,383,410
Winter	12,664,770	12,039,930	14,787,780
Durum	1,128,680	1,093,880	1,161,060
Other Spring	5,887,830	5,448,340	5,434,580
Rye	103,200	113,720	137,190

Small Grains - Annual Summary: Yield,
United States, 2001-2003
(Metric Units)

Crop	Yield		
	2001	2002	2003
	Metric Tons	*Metric Tons*	*Metric Tons*
Oats	2.20	2.03	2.33
Barley	3.13	2.95	3.17
All Wheat	2.71	2.37	2.97
Winter	2.93	2.59	3.14
Durum	2.01	1.98	2.27
Other Spring	2.37	1.97	2.67
Rye	1.72	1.55	1.71

Small Grains - Annual Summary: Production,
United States, 2001-2003
(Metric Units)

Crop	Production		
	2001	2002	2003
	Metric Tons	*Metric Tons*	*Metric Tons*
Oats	1,698,600	1,721,880	2,099,570
Barley	5,430,480	4,933,040	6,011,080
All Wheat	53,261,980	44,061,990	63,589,820
Winter	37,053,390	31,178,180	46,458,800
Durum	2,274,020	2,162,270	2,630,030
Other Spring	13,934,570	10,721,530	14,500,980
Rye	177,070	176,670	235,060

Oats: Production is estimated at 145 million bushels, 4 percent below the August 1 forecast but 22 percent above last year's 119 million bushels. The estimated yield is 65.0 bushels per acre, nearly the same as the August 1 forecast and up 8.3 bushels from a year ago. Record high yields are estimated in Illinois, Iowa, Kansas, Michigan, Missouri, Nebraska, and South Dakota. Harvested area is 2.22 million acres, 5 percent below the August 1 forecast but 6 percent above last year. Compared with the August 1 estimate, area harvested for grain declined 20,000 acres each in Colorado, Iowa, Kansas, Montana, Nebraska, and Wisconsin.

Wet conditions delayed planting during early April in the Corn Belt and Ohio Valley. During mid-April, wet conditions continued in the Ohio Valley, while dryer conditions allowed planting to progress in the Corn Belt. At the end of the month, planting continued at a rapid pace in the Corn Belt and gained momentum in the Ohio and Upper Mississippi Valleys.

In early May, a series of thunderstorms in the Plains, Midwest, and East enhanced soil moisture for the emerging crop, while delaying planting of the late crop in the Ohio Valley. By mid-May, planting was nearing completion in all States except North Dakota, Pennsylvania, and Wisconsin, where planting progressed behind the 5-year average. Below normal temperatures during early June, hindered vegetative growth along the Atlantic Coast.

In July, fields entered the heading stage and matured ahead of normal in all States except Pennsylvania and Wisconsin. By July 21, the oat crop was 97 percent headed, 2 percent below the average for this date. Harvest began around mid-July in all areas except Minnesota, North Dakota, and Wisconsin. Progress was slow during the remainder of the month, with the northern Corn Belts slightly behind average and harvest of the late crop in the Ohio Valley well behind average by months end. Harvest continued in August with few delays. By the end of the month, harvest in all States except Pennsylvania advanced to near normal levels. On September 2, harvest was 97 percent complete, slightly ahead of the 5-year average of 94 percent.

Barley: Production is estimated at 276 million bushels, down 2 percent from the last forecast but up 22 percent from last year's estimate. Average yield per acre, at 58.9 bushels, is up 1.4 bushels from the last forecast and 4.0 bushels above 2002. The area harvested for grain is estimated at 4.69 million acres, 14 percent above a year ago. The increase in production over last year was due to both an increase in harvested area, especially in North Dakota which increased by 740,000 acres, and generally favorable weather across the northern Great Plains and other western barley areas. Arizona, Kansas, and Wyoming achieved record high yields and Minnesota tied its record high yield.

This year's barley crop got an early start in the northern Great Plains as farmers took advantage of favorable weather. By April 27, planting in the five major barley-producing States was 41 percent complete, 10 points ahead of the 5-year average, and emergence, at 12 percent, was 2 points ahead of the average. Barley was reported 98 percent planted and 87 percent emerged by June 1, three and 6 points ahead of the 5-year average, respectively. Wet, cool conditions hampered planting in the Atlantic Coast barley regions from North Carolina to Maine.

Barley developed rapidly in the northern Great Plains as the favorable weather continued. By July 6, the barley crop in the major producing States was 65 percent headed, 11 points ahead of the average. Despite early concerns about the availability of irrigation water in the northern Rockies, supplies remained adequate. On July 27, heading was 100 percent complete in Washington and Idaho, and virtually complete elsewhere. In the five reporting States, barley was rated 59 percent good to excellent. In Minnesota and North Dakota, crop condition was rated 85 and 80 percent good to excellent, respectively. However, in Montana, unusually hot weather in July and August led some farmers to cut their barley for hay. Excessive rain, with cool temperatures continued to hinder crop development in the Mid-Atlantic States where Maryland and Delaware barley experienced high mortality from standing water and cold soils.

Barley harvest advanced to 92 percent complete by August 31, well ahead of the normal pace of 77 percent. Warm temperatures in the Great Plains promoted ripening. The harvest in both Minnesota and Washington were 99 percent complete, compared to the average of 89 and 83 percent, respectively. Harvest in the Mid-Atlantic States extended through the end of July, far behind normal due to the continued wet conditions.

Winter Wheat: The 2003 winter wheat production is estimated at 1.71 billion bushels. This is down less than 1 percent from the August forecast but 49 percent above last year's drought reduced crop. The U.S. yield decreased 0.2 bushel from August to 46.7 bushels per acre. This is 8.2 bushels above last year's final yield, and the third highest yield on record. Acreage for grain is estimated at 36.5 million acres, up slightly from the last forecast and 23 percent above 2002. Planted area is 44.9 million acres, up 1 percent from the last forecast.

Hard Red Winter (HRW) yields rebounded from last year's drought stressed levels, except in Texas where conditions were dry again this year. Excellent spring weather during the grain filling stage of development led to very good yields, with record high levels noted in Oklahoma, Iowa, and North Dakota. Overall, HRW production totals 1.06 billion bushels, up 74 percent from last year.

Soft Red Winter (SRW) producing States' yields were better than a year ago, except in the central and northern Atlantic Coast States where excessive moisture led to disease problems. The largest gains were noted in the Corn Belt, where ample spring precipitation was received. Overall, SRW production is up 14 percent from 2002 and totals 379 million bushels.

White Winter production, at 265 million bushels, is up 32 percent from last year. Yields improved significantly from last year in Oregon and Washington, and slightly in Idaho. Increased acreage planted to Hard White Winter varieties in Colorado, Kansas, and Nebraska also contributed to the increase in White Winter production.

Other Spring Wheat: Production in 2003 is estimated at 533 million bushels, up 8 percent from the last forecast and 35 percent above 2002. Harvested area is 13.4 million acres, slightly lower than the August forecast and last year. The U.S. yield is 39.7 bushels per acre, 3.1 bushels higher than the last forecast and 10.4 bushels better than last year's drought reduced crop.

Harvest progressed well ahead of average due to warm, dry weather during August and early September. Most States recorded higher yields than last year, with very large increases in the Dakotas, Minnesota, and Wisconsin. In Idaho, increases from last year in irrigated yields more than offset declines in the non-irrigated crop. Oregon yields were better than last year, but still below average due to moisture shortages. In Washington, hot dry weather in July resulted in lower yields than a year ago. Montana experienced extreme heat and limited moisture during July and August, which held yields at last year's low level. Excellent growing conditions resulted in record high yields in Minnesota, South Dakota, and Wisconsin, and the second highest yield in North Dakota. The Colorado yield is less than half of last year's level, when nearly all of the non-irrigated crop was abandoned. Objective yield survey data showed plant populations at average levels in Montana, above average in North Dakota, and near record high levels in Minnesota. Weight per head was well above average in Minnesota and North Dakota but far below average in Montana.

Durum Wheat: Durum production for 2003 totaled 96.6 million bushels, up 11 percent from August 1 and 22 percent more than last year. Grain area harvested totaled 2.87 million acres, up 5 percent from the last forecast and 6 percent above a year ago. The U.S. yield is estimated at 33.7 bushels per acre, up 1.8 bushel from the last forecast and 4.3 bushels per acre above 2002. North Dakota's Durum harvest was 92 percent complete as of September 7, compared to only 40 percent last year, and 57 percent for the 5-year average.

Rye: Production for 2003 is estimated at 9.25 million bushels, up 33 percent from last year's near record low. Harvested area totaled 339,000 acres, 21 percent above 2002. The U.S. yield, at 27.3 bushels per acre, is up 2.5 bushels from last year. Oklahoma, the largest producing State, matched its second highest yield on record, and North Dakota and South Dakota set new record high yields.

Information Contacts

Listed below are the commodity specialists in the Crops Branch of the National Agricultural Statistics Service to contact for additional information.

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The next "*Small Grains 2004 Summary*" report will be released at 8:30 a.m. ET on September 30, 2004.

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USDA Data Users' Forum

October 20, 2003

Holiday Inn Mart Plaza

Chicago, Illinois

The USDA's National Agricultural Statistics Service will hold a public forum for open exchange between Federal agricultural statistics agencies and data users on October 20, 2003. Agency representatives will provide updates on pending changes in the various statistical and information programs and will seek comments from data users. The USDA's Agricultural Marketing Service, Economic Research Service, Foreign Agricultural Service, and World Agricultural Outlook Board, as well as the U.S. Census Bureau's Foreign Trade Division, will also participate in the forum.

For registration details or additional information about the Data Users' Forum, see the NASS homepage at www.usda.gov/nass/ or contact Karlyn McCutcheon of NASS at (202) 690-8141 or at karlyn_mccutcheon@nass.usda.gov.

This Data Users' Forum precedes an Industry Outlook Meeting that will be held at the same location on October 21, 2003. 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 for it, contact the Livestock Marketing Information Center at (720) 544-2941 or (720) 544-2940.