

**United States** Department of Agriculture

National Agricultural Statistics



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# **Small Grains 2014 Summary**

September 2014



**All wheat** production totaled 2.04 billion bushels in 2014, down 5 percent from the revised 2013 total. Area harvested for grain totaled 46.5 million acres, up 3 percent from the previous year. The United States yield is estimated at 43.8 bushels per acre, down 3.3 bushels from the previous year. The levels of production and changes from 2013 by type are winter wheat, 1.38 billion bushels, down 11 percent; other spring wheat, 601 million bushels, up 12 percent; and Durum wheat, 57.1 million bushels, down 2 percent.

**Oat** production is estimated at 70.5 million bushels, up 9 percent from the revised 2013 total but represents the fourth lowest production on record. Yield is estimated at 67.8 bushels per acre, up 3.7 bushels from the previous year. Harvested area, at 1.04 million acres, is 3 percent above last year. This is the third lowest acreage harvested for grain on record.

**Barley** production is estimated at 180 million bushels, down 17 percent from the revised 2013 total. Average yield per acre, at 73.4 bushels, is up 2.1 bushels from the previous year and represents a record high for the United States. Producers seeded 2.98 million acres in 2014, down 16 percent from last year. Harvested area, at 2.46 million acres, is down 19 percent from 2013.

This report was approved on September 30, 2014.

Secretary of Agriculture Designate Joseph W. Glauber

Agricultural Statistics Board Chairperson James M. Harris

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Oat Area Planted and Harvested, Yield, and Production - States and United States: 2012-2014

Ctata		Area planted 1			Area harvested	
State	2012	2013	2014	2012	2013	2014
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	60	60	50	15	20	15
Arkansas	12	11	12	7	7	8
California	230	150	110	25	15	10
Colorado	55	55	45	6	12	9
Georgia	60	50	60	20	18	20
Idaho	70	70	70	15	15	15
Illinois	30	40	35	20	25	25
Indiana	15	20	20	5	10	10
lowa	130	220	145	58	60	55
Kansas	105	100	85	30	20	15
Maine	29	28	32	28	26	31
Michigan	50	50	50	35	30	40
Minnesota	190	240	230	135	105	125
Missouri	20	30	25	8	14	13
Montana	45	50	45	18	22	16
Nebraska	75	150	90	18	25	20
New York	70	75	55	50	46	40
North Carolina	40	35	33	13	13	17
North Dakota	200	225	235	110	135	115
Ohio	70	50	55	46	25	39
Oklahoma	75	60	60	10	7	10
Oregon	35	30	30	19	13	18
Pennsylvania	100	95	90	65	50	60
South Carolina	28	20	21	15	9	10
South Dakota	160	260	250	50	120	100
Texas	500	450	450	75	40	45
Utah	30	40	20	3	5	3
Virginia	11	10	10	4	2	3
Washington	15	20	25	6	5	5
Wisconsin	220	255	255	130	105	140
Wyoming	30	31	30	6	10	7
United States	2,760	2,980	2,723	1,045	1,009	1,039

See footnote(s) at end of table. --continued

# Oat Area Planted and Harvested, Yield, and Production – States and United States: 2012-2014 (continued)

Ctata		Yield			Production	
State	2012	2013	2014	2012	2013	2014
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Alabama	55.0	60.0	65.0	825	1,200	975
Arkansas	80.0	73.0	90.0	560	511	720
California	90.0	80.0	100.0	2,250	1,200	1,000
Colorado	70.0	65.0	60.0	420	780	540
Georgia	53.0	60.0	54.0	1,060	1,080	1,080
Idaho	65.0	73.0	91.0	975	1,095	1,365
Illinois	76.0	69.0	80.0	1,520	1,725	2,000
Indiana	70.0	71.0	74.0	350	710	740
lowa	65.0	66.0	64.0	3,770	3,960	3,520
Kansas	33.0	42.0	56.0	990	840	840
Maine	65.0	67.0	70.0	1,820	1,742	2,170
Michigan	60.0	62.0	69.0	2,100	1,860	2,760
Minnesota	62.0	57.0	63.0	8,370	5,985	7,875
Missouri	52.0	53.0	65.0	416	742	845
Montana	45.0	54.0	65.0	810	1,188	1,040
Nebraska	57.0	65.0	80.0	1,026	1,625	1,600
New York	65.0	67.0	63.0	3,250	3,082	2,520
North Carolina	75.0	70.0	67.0	975	910	1,139
North Dakota	62.0	62.0	73.0	6,820	8,370	8,395
Ohio	56.0	63.0	63.0	2,576	1,575	2,457
Oklahoma	45.0	38.0	38.0	450	266	380
Oregon	95.0	100.0	85.0	1,805	1,300	1,530
Pennsylvania	61.0	62.0	58.0	3,965	3,100	3,480
South Carolina	54.0	59.0	62.0	810	531	620
South Dakota	68.0	77.0	93.0	3,400	9,240	9,300
Texas	49.0	46.0	38.0	3,675	1,840	1,710
Utah	76.0	62.0	70.0	228	310	210
Virginia	75.0	70.0	78.0	300	140	234
Washington	82.0	68.0	70.0	492	340	350
Wisconsin	60.0	65.0	62.0	7,800	6,825	8,680
Wyoming	36.0	57.0	55.0	216	570	385
United States	61.3	64.1	67.8	64,024	64,642	70,460

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

Barley Area Planted and Harvested, Yield, and Production - States and United States: 2012-2014

Ctata		Area planted 1		Area harvested			
State	2012	2013	2014	2012	2013	2014	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	
Arizona	48	75	36	47	69	32	
California	120	95	80	80	42	25	
Colorado	58	63	57	55	58	54	
Delaware	38	43	41	34	33	31	
Idaho	610	650	560	590	620	515	
Kansas	10	17	16	7	11	10	
Maine	17	20	13	16	17	12	
Maryland	60	75	70	40	52	45	
Michigan	11	10	8	9	9	7	
Minnesota	115	90	75	100	75	60	
Montana	900	990	920	790	830	775	
New York	10	11	12	8	8	8	
North Carolina	23	19	20	17	14	15	
North Dakota	1,060	760	620	1,010	720	540	
Oregon	56	63	40	53	50	30	
Pennsylvania	65	75	70	53	60	50	
South Dakota	34	37	28	22	19	17	
Utah	44	40	32	26	30	20	
Virginia	65	72	56	37	44	28	
Washington	185	205	115	175	195	105	
Wisconsin	33	33	26	15	16	16	
Wyoming	75	85	80	60	68	63	
United States	3,637	3,528	2,975	3,244	3,040	2,458	

See footnote(s) at end of table. --continued

# Barley Area Planted and Harvested, Yield, and Production – States and United States: 2012-2014 (continued)

Ctata		Yield			Production	
State	2012	2013	2014	2012	2013	2014
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona	105.0	118.0	125.0	4,935	8,142	4,000
California	55.0	75.0	73.0	4,400	3,150	1,825
Colorado	123.0	133.0	126.0	6,765	7,714	6,804
Delaware	84.0	78.0	86.0	2,856	2,574	2,666
Idaho	91.0	93.0	95.0	53,690	57,660	48,925
Kansas	59.0	47.0	35.0	413	517	350
Maine	60.0	53.0	68.0	960	901	816
Maryland	82.0	85.0	77.0	3,280	4,420	3,465
Michigan	48.0	52.0	53.0	432	468	371
Minnesota	57.0	69.0	52.0	5,700	5,175	3,120
Montana	53.0	52.0	59.0	41,870	43,160	45,725
New York	47.0	52.0	47.0	376	416	376
North Carolina	63.0	67.0	71.0	1,071	938	1,065
North Dakota	61.0	64.0	69.0	61,610	46,080	37,260
Oregon	72.0	70.0	50.0	3,816	3,500	1,500
Pennsylvania	68.0	68.0	71.0	3,604	4,080	3,550
South Dakota	36.0	54.0	52.0	792	1,026	884
Utah	80.0	78.0	86.0	2,080	2,340	1,720
Virginia	82.0	82.0	79.0	3,034	3,608	2,212
Washington	72.0	72.0	60.0	12,600	14,040	6,300
Wisconsin	44.0	49.0	47.0	660	784	752
Wyoming	89.0	89.0	107.0	5,340	6,052	6,741
United States	67.9	71.3	73.4	220,284	216,745	180,427

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

All Wheat Area Planted and Harvested, Yield, and Production - States and United States: 2012-2014

Ctata		Area planted <sup>1</sup>		Area harvested		
State	2012	2013	2014	2012	2013	2014
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	220	310	255	190	285	225
Arizona	115	87	81	112	84	79
Arkansas	550	680	465	450	610	395
California	750	690	495	445	394	215
Colorado	2,363	2,310	2,759	2,182	1,639	2,358
Delaware	85	85	80	80	<sup>′</sup> 78	<sup>'</sup> 75
Florida	20	25	15	15	19	10
Georgia	290	430	300	230	360	230
Idaho	1,313	1,321	1,271	1,253	1,261	1,196
Illinois	660	880	740	645	840	670
Indiana	350	460	390	300	435	335
lowa	18	30	26	13	21	15
Kansas	9,400	9,500	9,600	9,000	8,450	8,800
Kentucky	580	700	630	470	610	510
Louisiana	285	265	160	275	255	150
Maryland	310	345	340	210	260	250
Michigan	570	620	570	540	590	485
Minnesota	1,390	1,227	1,262	1,347	1,184	1,212
Mississippi	370	400	230	345	385	215
Missouri	790	1,080	880	690	985	740
Montana	5,800	5,400	5,985	5,615	5,165	5,660
Nebraska	1,380	1,470	1,550	1,300	1,140	1,450
Nevada	26	31	21	13	15	10
New Jersey	33	34	33	27	29	25
New Mexico	450	440	380	90	100	105
New York	100	125	120	85	115	95
North Carolina	830	990	830	750	925	770
North Dakota	7,840	6,105	7,960	7,760	6,025	7,565
Ohio	500	660	620	450	640	545
Oklahoma	5,400	5,600	5,300	4,300	3,400	2,800
Oregon	885	880	830	878	868	818
Pennsylvania	165	185	185	145	155	150
South Carolina	235	280	230	220	265	220
South Dakota	2,405	2,494	2,514	2,235	1,839	2,364
Tennessee	420	640	530	340	575	475
Texas	5,700	6,300	6,000	3,000	2,350	2,250
Utah	155	138	130	137	124	117
Virginia	280	335	290	240	290	260
Washington	2,210	2,210	2,320	2,175	2,175	2,250
West Virginia	8	9	10	4	7	7
Wisconsin	265	315	295	245	265	250
Wyoming	150	150	140	120	120	125
United States	55,666	56,236	56,822	48,921	45,332	46,476

See footnote(s) at end of table. --continued

# All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2012-2014 (continued)

State		Yield			Production	
State	2012	2013	2014	2012	2013	2014
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels
Alabama	59.0	69.0	69.0	11,210	19,665	15,5
Arizona	93.9	99.4	110.0	10,520	8,348	8,6
arkansas	55.0	62.0	63.0	24,750	37,820	24,8
California	91.1	82.5	84.1	40,525	32,500	18,0
Colorado	34.3	25.3	38.1	74,848	41,488	89,8
elaware	74.0	64.0	72.0	5,920	4,992	5,4
lorida	41.0	59.0	39.0	615	1,121	3
eorgia	49.0	60.0	49.0	11,270	21,600	11,2
daho	78.2	82.2	78.4	98,006	103,592	93,7
linois	63.0	67.0	67.0	40,635	56,280	44,8
				,	00,200	77,0
ndiana	67.0	73.0	76.0	20,100	31,755	25,4
owa	53.0	52.0	49.0	689	1,092	7
ansas	42.0	38.0	28.0	378,000	321,100	246,4
entucky	62.0	75.0	71.0	29,140	45,750	36,2
ouisiana	49.0	58.0	62.0	13,475	14,790	9,3
laryland	68.0	67.0	70.0	14,280	17,420	17,5
lichigan	76.0	75.0	74.0	41.040	44,250	35.8
innesota	56.9	56.7	54.8	76,705	67,152	66,4
lississippi	57.0	58.0	58.0	19,665	22,330	12,4
issouri	57.0	57.0	58.0	39,330	56,145	42,9
Anntana .	24.0	20.0	27.7	405 500	204 625	242.6
Iontana	34.8	39.0	37.7	195,590	201,635	213,2
ebraska	41.0	35.0	49.0	53,300	39,900	71,0
evada	75.9	87.0	105.0	987	1,305	1,0
ew Jersey	56.0	54.0	53.0	1,512	1,566	1,3
ew Mexico	27.0	44.0	28.0	2,430	4,400	2,9
ew York	63.0	68.0	63.0	5,355	7,820	5,9
orth Carolina	57.0	57.0	58.0	42,750	52,725	44,6
orth Dakota	43.7	45.4	46.5	339,210	273,343	351,9
hio	69.0	70.0	74.0	31,050	44,800	40,3
klahoma	36.0	31.0	17.0	154,800	105,400	47,6
regon	65.6	62.1	54.3	57,576	53,904	44.4
ennsylvania	65.0	68.0	65.0	9,425	10,540	9,7
outh Carolina	53.0	54.0	52.0	11,660	14,310	11,4
outh Dakota	45.8	42.2	55.5	102,435	77,558	131,
ennessee	63.0	71.0	66.0	21,420	40,825	31,
exas	32.0	29.0	30.0	96,000	68,150	67,5
					·	
tah	45.4	44.2	50.3	6,224	5,484	5,8
irginia	65.0	62.0	68.0	15,600	17,980	17,6
ashington	67.3	66.9	48.2	146,345	145,530	108,4
/est Virginia	65.0	52.0	64.0	260	364	40.4
isconsin	75.0	58.0	65.0	18,375	15,370	16,2
/yoming	25.0	24.0	38.0	3,000	2,880	4,7
nited States	46.3	47.1	43.8	2,266,027	2,134,979	2,035,3

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

# Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2012-2014

State	Area planted 1			Area harvested			
State	2012	2013	2014	2012	2013	2014	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	
Alabama	220	310	255	190	285	225	
Arizona	10	12	8	8	10	7	
Arkansas	550	680	465	450	610	395	
California	610	620	460	310	345	180	
Colorado	2,350	2,300	2,750	2,170	1,630	2,350	
Delaware	85	85	80	80	78	75	
Florida	20	25	15	15	19	10	
Georgia	290	430	300	230	360	230	
Idaho	780	780	780	740	740	730	
Illinois	660	880	740	645	840	670	
Indiana	350	460	390	300	435	335	
lowa	18	30	26	13	21	15	
Kansas	9,400	9,500	9,600	9,000	8,450	8,800	
Kentucky	580	700	630	470	610	510	
Louisiana	285	265	160	275	255	150	
Maryland	310	345	340	210	260	250	
Michigan	570	620	570	540	590	485	
Minnesota	40	27	42	37	24	32	
Mississippi	370	400	230	345	385	215	
Missouri	790	1,080	880	690	985	740	
Montana	2,300	2,000	2,500	2,170	1,900	2,240	
Nebraska	1,380	1,470	1,550	1,300	1,140	1,450	
Nevada	20	23	15	11	12	· g	
New Jersey	33	34	33	27	29	25	
New Mexico	450	440	380	90	100	105	
New York	100	125	120	85	115	95	
North Carolina	830	990	830	750	925	770	
North Dakota	750	215	870	730	200	555	
Ohio	500	660	620	450	640	545	
Oklahoma	5,400	5,600	5,300	4,300	3,400	2,800	
Oregon	790	790	750	785	780	740	
Pennsylvania	165	185	185	145	155	150	
South Carolina	235	280	230	220	265	220	
South Dakota	1,320	1,300	1,210	1,210	670	1,080	
Tennessee	420	640	530	340	575	475	
Texas	5,700	6,300	6,000	3,000	2,350	2,250	
Utah	140	120	120	124	110	109	
Virginia	280	335	290	240	290	260	
Washington	1,700	1,700	1,700	1,670	1,670	1,640	
West Virginia	8	9	10	4	7	7	
Wisconsin	265	315	295	245	265	250	
Wyoming	150	150	140	120	120	125	
United States	41,224	43,230	42.399	34,734	32,650	32,304	

See footnote(s) at end of table. --continued

# Winter Wheat Planted and Harvested, Yield, and Production – States and United States: 2012-2014 (continued)

Stata		Yield			Production	
State	2012	2013	2014	2012	2013	2014
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Alabama	59.0	69.0	69.0	11,210	19,665	15,525
Arizona	80.0	80.0	100.0	640	800	700
Arkansas	55.0	62.0	63.0	24,750	37,820	24.88
California	85.0	80.0	80.0	26,350	27,600	14,40
Colorado	34.0	25.0	38.0	73,780	40,750	89,30
Delaware	74.0	64.0	72.0	5,920	4,992	5,40
Florida	41.0	59.0	39.0	615	1,121	39
Georgia	49.0	60.0	49.0	11,270	21,600	11,27
daho	80.0	86.0	80.0	59,200	63,640	58,40
llinois	63.0	67.0	67.0	40,635	56,280	44,89
	03.0	07.0	07.0	40,033	30,200	44,090
ndiana	67.0	73.0	76.0	20,100	31,755	25,46
owa	53.0	52.0	49.0	689	1,092	73
Kansas	42.0	38.0	28.0	378,000	321,100	246,40
Kentucky	62.0	75.0	71.0	29,140	45,750	36,21
_ouisiana	49.0	58.0	62.0	13,475	14,790	9,30
Maryland	68.0	67.0	70.0	14,280	17,420	17,50
/lichigan	76.0	75.0	74.0	41,040	44,250	35,89
Minnesota	55.0	43.0	49.0	2,035	1,032	1,56
Mississippi	57.0	58.0	58.0	19,665	22,330	12,47
Missouri	57.0	57.0	58.0	39,330	56,145	42,92
Montana	39.0	43.0	41.0	84,630	81,700	91,84
Nebraska	41.0	35.0	49.0	53,300	39,900	71,05
Nevada	77.0	90.0	110.0	847	1,080	99
New Jersey	56.0	54.0	53.0	1,512	1,566	1,32
New Mexico	27.0	44.0	28.0	2,430	4,400	2,94
New York	63.0	68.0	63.0	5,355	7,820	5,98
	57.0		58.0	·	·	•
North Carolina		57.0		42,750	52,725	44,66
North Dakota	55.0	43.0	49.0	40,150	8,600	27,19
Ohio	69.0	70.0	74.0	31,050	44,800	40,33
Oklahoma	36.0	31.0	17.0	154,800	105,400	47,60
Oregon	66.0	62.0	55.0	51,810	48,360	40,70
Pennsylvania	65.0	68.0	65.0	9,425	10,540	9,75
South Carolina	53.0	54.0	52.0	11,660	14,310	11,44
South Dakota	50.0	39.0	55.0	60,500	26,130	59,40
ennessee	63.0	71.0	66.0	21,420	40,825	31,35
exas	32.0	29.0	30.0	96,000	68,150	67,50
Jtah	46.0	44.0	50.0	5.704	4,840	5,45
/irginia	65.0	62.0	68.0	15,600	17,980	17,68
Vashington	71.0	69.0	52.0	118,570	115,230	85,28
S .	65.0	52.0	52.0 64.0	260	364	65,26 44
Vest Virginia						
Visconsin Vyoming	75.0 25.0	58.0 24.0	65.0 38.0	18,375 3,000	15,370 2,880	16,25 4,75
					·	•
Jnited States	47.3	47.3	42.6	1,641,272	1,542,902	1,377,5

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

# Other Spring Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2012-2014

Ctata		Area planted			Area harvested	
State	2012	2013	2014	2012	2013	2014
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Colorado	13	10	9	12	9	8
Idaho	520	530	480	500	510	455
Minnesota	1,350	1,200	1,220	1,310	1,160	1,180
Montana	2,950	2,950	3,050	2,900	2,830	2,990
Nevada	6	8	6	2	3	1
North Dakota	5,750	5,100	6,250	5,700	5,060	6,190
Oregon	95	90	80	93	88	78
South Dakota	1,080	1,190	1,300	1,020	1,165	1,280
Utah	15	18	10	13	14	8
Washington	510	510	620	505	505	610
United States	12,289	11,606	13,025	12,055	11,344	12,800
Ctata	Yield				Production	
State	2012	2013	2014	2012	2013	2014
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Colorado	89.0	82.0	64.0	1,068	738	512
Idaho	76.0	77.0	76.0	38,000	39,270	34,580
Minnesota	57.0	57.0	55.0	74,670	66,120	64,900
Montana	33.0	37.0	36.0	95,700	104,710	107,640
Nevada	70.0	75.0	60.0	140	225	60
North Dakota	45.0	46.5	47.5	256,500	235,290	294,025
Oregon	62.0	63.0	48.0	5,766	5,544	3,744
South Dakota	41.0	44.0	56.0	41,820	51,260	71,680
Utah	40.0	46.0	54.0	520	644	432
Washington	55.0	60.0	38.0	27,775	30,300	23,180
United States	45.0	47.1	46.9	541,959	534,101	600,753

## Durum Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2012-2014

Ctata		Area planted			Area harvested	
State	2012	2013	2014	2012	2013	2014
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona California Idaho Montana North Dakota South Dakota	105 140 13 550 1,340	75 70 11 450 790 4	73 35 11 435 840 4	104 135 13 545 1,330 5	74 49 11 435 765 4	72 35 11 430 820 4
United States	2,153	1,400	1,398	2,132	1,338	1,372
State	Yield				Production	
State	2012	2013	2014	2012	2013	2014
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona	95.0 105.0 62.0 28.0 32.0 23.0	102.0 100.0 62.0 35.0 38.5 42.0	111.0 105.0 67.0 32.0 37.5 45.0	9,880 14,175 806 15,260 42,560 115	7,548 4,900 682 15,225 29,453 168	7,992 3,675 737 13,760 30,750 180
United States	38.8	43.3	41.6	82,796	57,976	57,094

## Wheat Production by Class - United States: 2012-2014

[Wheat class estimates are based on the latest available data including both surveys and administrative data]

Crop	2012	2013	2014
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Winter Hard red Soft red Hard white Soft white	1,000,005 419,801 13,171 208,295	747,373 568,481 11,060 215,988	737,937 455,297 11,490 172,802
Spring Hard red Hard white Soft white Durum	504,520 8,465 28,974 82,796	490,629 10,525 32,947 57,976	561,258 8,943 30,552 57,094
Total	2,266,027	2,134,979	2,035,373

#### **Wheat Class Percentage Estimates**

The following percentages are the basis for the United States 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 2015 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.

Winter Wheat Production Distribution by Class - States: 2013 and 2014

State	Hard	l red	Soft	red	Hard	white	Soft v	white
State	2013	2014	2013	2014	2013	2014	2013	2014
	(percent)							
Alabama	_	_	100	100	_	_	_	_
Arizona	60	56	-	-	40	43	_	1
Arkansas	1	-	99	100	-	-	-	-
California	89	89	-	-	8	7	3	4
Colorado	95	95	_	-	5	5	-	_
Delaware	-	-	100	100	-	-	-	-
Florida	-	4	100	96	-	-	-	-
Georgia	=	-	100	100	-	-	-	-
Idaho	21	22	-	=	-	-	79	78
Illinois	-	-	100	100	-	-	-	-
Indiana	-	-	100	100	-	-	-	-
lowa	56	56	44	41	-	2	-	1
Kansas	98	97	-	1	2	2	-	-
Kentucky	=	-	100	100	-	-	-	-
Louisiana	-	-	100	99	-	-	-	1
Maryland	-	-	100	100	-	-	-	-
Michigan	-	-	68	69	-	-	32	31
Minnesota	100	99	-	-	-	1	-	-
Mississippi	-	2	100	98	-	-	-	-
Missouri	2	1	98	99	-	-	-	=
Montana	100	100	-	-	-	-	-	-
Nebraska	100	99	-	-	-	1	-	-
Nevada	-	-	-	=	-	-	100	100
New Jersey	-	-	100	100	-	-	-	-
New Mexico	99	100	_	-	1	-	-	-
New York	3	3	87	88	-	-	10	9
North Carolina	-	-	100	100	-	-	-	-
North Dakota	100	100	-	-	-	-	-	-
Ohio	-	-	100	100	-	-	-	-
Oklahoma	99	99	1	1	-	-	-	-
Oregon	5	6	-	=	-	-	95	94
Pennsylvania	1	1	98	98	-	-	1	1
South Carolina	-	-	100	100	-	-	-	-
South Dakota	100	100	-	-	-	-	-	-
Tennessee	-	-	100	100	-	-	-	-
Texas	94	94	6	6	-	-	-	-
Utah	74	75	-	-	-	-	26	25
Virginia	-	-	100	100	-	-	-	-
Washington	12	13	-	-	-	-	88	87
West Virginia	3	2	97	98	-	-	-	-
Wisconsin	2	3	97	97	-	-	1	-
Wyoming	99	99	-	=	1	1	-	-

<sup>-</sup> Represents zero.

## Other Spring Wheat (excluding Durum) Production Distribution by Class - States: 2013 and 2014

State	Hard	l red	Hard white Soft white			white
State	2013	2014	2013	2014	2013	2014
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Colorado	57	69	27	23	16	8
Idaho	45	40	23	22	32	38
Minnesota	100	100	-	-	-	-
Montana	100	100	-	-	-	-
Nevada	-	-	-	-	100	100
North Dakota	100	100	-	-	-	-
Oregon	37	32	1	1	62	67
South Dakota	100	100	-	-	-	-
Utah	59	49	4	5	37	46
Washington	42	32	4	5	54	63

<sup>-</sup> Represents zero.

## **Winter Wheat Head Population**

The National Agricultural Statistics Service conducted objective yield surveys in 10 winter wheat estimating States during 2014. 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: 2010-2014

State	2010	2011	2012	2013	2014
	(number)	(number)	(number)	(number)	(number)
Colorado	, ,	, ,	,	, ,	, ,
July	47.3	45.3	41.0	32.1	42.4
August	48.6	45.0	41.0	31.9	43.2
Final	48.6	45.0 45.0	41.0	31.9	43.4
riliai	40.0	45.0	41.0	31.9	43.4
Illinois					
July	44.5	60.0	56.5	60.9	63.5
August	44.5	60.1	56.5	61.2	63.7
Final	44.5	60.1	56.5	61.2	63.7
Kansas					
July	44.6	42.2	46.5	50.4	36.4
August	44.6	42.2	46.7	50.4	36.4
Final	44.6	42.2	46.7	50.4	36.4
Filial	44.0	42.2	40.7	30.4	30.4
Missouri					
July	39.8	50.7	49.9	54.6	51.2
August	39.2	48.9	49.9	55.8	50.9
Final	39.2	48.9	49.9	55.8	50.9
Montana					
July	44.7	44.3	44.1	43.7	43.4
August	44.7	46.7	44.7	45.1	44.2
Final	45.0	46.9	45.0	45.1	44.2
Nebraska					
July	47.1	54.3	50.7	38.5	48.2
August	48.1	54.6	50.7	38.8	48.2
Final	48.1	54.6	50.7	38.8	48.2
Ohio					
July	62.1	56.1	58.3	53.0	58.8
August	62.1	56.2	58.3	54.0	58.4
Final	62.1	56.2	58.3	54.0	58.4
	-				
Oklahoma					<b>.</b>
July	36.5	37.7	47.7	51.7	34.9
August	36.5	37.7	47.7	51.7	34.9
Final	36.5	37.7	47.7	51.7	34.9
Texas					
July	35.9	32.7	34.3	33.3	32.8
August	35.9	32.8	34.3	33.3	32.8
Final	35.9	32.9	34.3	33.0	33.1
	33.0	02.0	31.0	30.0	33.1
Washington	40.0	44.0	27.0	22.2	22.2
July	40.2	41.3	37.3	38.0	32.3
August	39.2	41.5	36.6	38.6	32.1
Final	39.2	41.4	36.9	38.6	32.3

## Rye Area Planted and Harvested, Yield, and Production - States and United States: 2012-2014

Ctoto		Area planted 1			Area harvested	
State	2012	2013	2014	2012	2013	2014
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Georgia Oklahoma	230 250	190 260	170 240	25 60	40 80	20 55
Other States <sup>2</sup>	820	1,001	1,024	163	158	183
United States	1,300	1,451	1,434	248	278	258
State	Yield			Production		
State	2012	2013	2014	2012	2013	2014
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Georgia Oklahoma	22.0 21.0	27.0 20.0	27.0 9.0	550 1,260	1,080 1,600	540 495
Other States <sup>2</sup>	31.5	31.3	33.6	5,134	4,946	6,154
United States	28.0	27.4	27.9	6,944	7,626	7,189

<sup>&</sup>lt;sup>1</sup> Includes area planted in preceding fall. <sup>2</sup> Other States include Illinois, Kansas, Michigan, Minnesota, Nebraska, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, and Wisconsin.

## Small Grain Annual Summary Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2013-2014

Cron	Area pla	ented	Area ha	Area harvested	
Crop	2013	2014	2013	2014	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	
Barley	3,528	2,975	3,040	2,458	
Oats	2,980	2,723	1,009	1,039	
Rye	1,451	1,434	278	258	
Wheat, all	56,236	56,822	45,332	46,476	
Winter	43,230	42,399	32,650	32,304	
Durum	1,400	1,398	1,338	1,372	
Other spring	11,606	13,025	11,344	12,800	
Crop	Yield per	racre	Production		
Стор	2013	2014	2013	2014	
	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	
Barley	71.3	73.4	216,745	180,427	
Oats	64.1	67.8	64,642	70,460	
Rye	27.4	27.9	7,626	7,189	
Wheat, all	47.1	43.8	2,134,979	2,035,373	
Winter	47.3	42.6	1,542,902	1,377,526	
Durum	43.3	41.6	57,976	57,094	
Other spring	47.1	46.9	534,101	600,753	

## Small Grain Annual Summary Area Planted and Harvested, Yield, and Production in Metric Units – United States: 2013-2014

Cron	Area pl	anted	Area harvested		
Crop	2013	2014	2013	2014	
	(hectares)	(hectares)	(hectares)	(hectares)	
Barley	1,427,750	1,203,950	1,230,260	994,730	
Oats	1,205,980	1,101,970	408,330	420,470	
Rye	587,210	580,330	112,500	104,410	
Wheat, all	22,758,150	22,995,300	18,345,410	18,808,370	
Winter	17,494,750	17,158,450	13,213,130	13,073,110	
Durum	566,570	565,760	541,480	555,230	
Other spring	4,696,830	5,271,090	4,590,800	5,180,030	
Crop	Yield per	hectare	Production		
Сюр	2013	2014	2013	2014	
	(metric tons)	(metric tons)	(metric tons)	(metric tons)	
Barley	3.89	3.95	4,719,070	3,928,330	
Oats	2.25	2.43	938,280	1,022,720	
Rye	1.72	1.75	193,710	182,610	
Wheat, all	3.18	2.95	58,104,610	55,393,780	
Winter	3.20	2.87	41,990,910	37,490,110	
Durum	2.74	2.80	1,577,850	1,553,840	
Other spring	3.17	3.16	14,535,850	16,349,820	

#### **Crop Comments**

**Oats:** The 2014 production is estimated at 70.5 million bushels, up 9 percent from the revised 2013 total but represents the fourth lowest production on record. Yield is estimated at 67.8 bushels per acre, up 3.7 bushels from the previous year. Harvested area, at 1.04 million acres, is 3 percent above last year. This is the third lowest acreage harvested for grain on record. Record low acres were harvested in California, Idaho, Kansas, Montana, and Utah.

Favorable growing conditions in the Northern Great Plains and the Ohio Valley promoted significant yield increases compared with 2013. Drought conditions in Texas led to a large decline in yield from last year. Record high yields are estimated in Alabama, Idaho, Montana, Nebraska, North Dakota, South Dakota, and Virginia. During early spring, planting and emergence of the oat crop was behind the normal pace. By April 13, producers Nationwide had sown 9 percent of this year's oat crop, 29 percentage points behind last year and 38 percentage points behind the 5-year average. Despite more favorable conditions during the middle of the April, which led to planting progress advancing 22 percentage points in Iowa and 39 percentage points in Nebraska during the week ending April 20, National progress remained well behind normal by the end of April. Forty percent of this year's oat crop was seeded by May 4, sixteen percentage points behind last year and 31 percentage points behind the 5-year average. Planting progress was furthest behind in the upper Midwest, 45 percentage points behind the 5-year average in Minnesota and 41 percentage points behind normal in Wisconsin. Throughout June, crop development remained behind normal in most major oat-producing States. As of June 29, sixty-nine percent of the oat acreage was headed, 4 percentage points behind the 5-year average. By the beginning of August, 40 percent of the oat acreage was harvested, 9 percentage points behind the normal pace. By August 31, eighty percent of the oat acreage was harvested, 13 percentage points behind the 5-year average.

**Barley:** Production is estimated at 180 million bushels, down 17 percent from the revised 2013 total. Average yield per acre, at 73.4 bushels, is up 2.1 bushels from the previous year and represents a record high for the United States. Producers seeded 2.98 million acres in 2014, down 16 percent from last year. Harvested area, at 2.46 million acres, is down 19 percent from 2013.

Barley seeding was ahead of normal in Idaho by mid-April, while poor field conditions delayed progress in Minnesota and North Dakota. By May 4, seeding Nationwide had advanced to 46 percent complete, 4 percentage points ahead of last year and 2 percentage points ahead of the 5-year average. Barley seeding continued to advance ahead of the normal pace in Montana and the Pacific Northwest throughout May. By May 18, thirty-seven percent of the crop had emerged, 3 percentage points ahead of last year but 3 percentage points behind the five-year average. Nationwide, 93 percent of the barley crop was seeded by June 1, eleven percentage points ahead of last year and 4 percentage points ahead of the 5-year average. By June 22, a majority of the crop had reached the heading stage in Idaho and Washington, while the crop had just begun heading in Minnesota and North Dakota. Seventeen percent of the Nation's barley crop was at or beyond the heading stage by June 22, slightly ahead of last year and 4 percentage points ahead of the 5-year average. Overall, 68 percent of the barley crop was reported in good to excellent condition on June 29, equal to the same time in 2013. Harvest had begun in the Pacific Northwest by the middle of the July. By August 3, twelve percent of the barley crop was harvested in Idaho, 34 percent was harvested in Oregon, and 20 percent was harvested in Washington. In the middle of August, rain was increasing the level of disease and mold in many barley fields in Idaho, with barley sprouting in the heads decreasing the quality of the crop. By August 31, fifty-eight percent of the barley crop was harvested, 15 percentage points behind last year and 10 percentage points behind the 5-year average. Barley rated in the good to excellent categories dropped 14 percentage points over the month of August, reported at 52 percent on August 31. By September 14, ninety-one percent of the barley crop was harvested, 4 percentage points behind last year but slightly ahead of the 5-year average.

Winter wheat: Winter wheat production for 2014 totaled 1.38 billion bushels, down 11 percent from the revised 2013 total. The United States yield, at 42.6 bushels per acre, is down 4.7 bushels from 2013. Area harvested for grain is estimated at 32.3 million acres, down 1 percent from the previous year.

Planted acres were up from 2013 in most of the major Hard Red Winter (HRW) growing States. Particularly large acreage increases occurred in Colorado, Kansas, Montana, Nebraska, and North Dakota. Conversely, Oklahoma and Texas had large decreases in planted acres from the previous year. Harvested acres were up across the HRW region, with large

increases in Colorado, Kansas, Montana, Nebraska, and the Dakotas. A record high yield is estimated in Nebraska, South Dakota, and Wyoming. Nationally, HRW production totaled 738 million bushels, down 1 percent from 2013.

In the Soft Red Winter (SRW) growing area, planted and harvested acreage decreases from 2013 were experienced throughout the region. Record high yields were realized in Arkansas, Illinois, Indiana, and Ohio. SRW production totaled 455 million bushels, down 20 percent from 2013.

White winter production totaled 184 million bushels, down 19 percent from the previous year. Harvested acreage in the Pacific Northwest (Idaho, Oregon, and Washington) was below what was harvested in 2013. Yields were also down from last year in all Pacific Northwest States.

**Other spring wheat:** Production for 2014 is estimated at 601 million bushels, up 12 percent from the revised 2013 total. Harvested area totaled 12.8 million acres, up 13 percent from last year. The United States yield is estimated at 46.9 bushels per acre, down slightly from last year. Of the total production, 561 million bushels are Hard Red Spring wheat, up 14 percent from last year. Record high yields are estimated in the Dakotas.

By May 4, producers had sown 26 percent of the spring wheat crop, 5 percentage points ahead of last year but 15 percentage points behind the 5-year average. Following the trend of other small grains, planting progress started the month well behind normal but caught up to the 5-year average by the end of the month in most estimating States. Delays in planting progress were most evident in Minnesota and North Dakota, where producers were not able to make significant planting progress until mid-month. Nationally, producers had sown 88 percent of the spring wheat crop by June 1, eight percentage points ahead of last year but equal to the 5-year average. Forty-seven percent of the spring wheat was at or beyond the heading stage by July 6, six percentage points ahead of last year but equal to the 5-year average. Spring wheat progress remained well ahead of normal in the Pacific Northwest but behind the 5-year average pace in the Northern Great Plains. Thirty-eight percent of the spring wheat crop was harvested by August 31, twenty-three percentage points behind last year and 27 percentage points behind the 5-year average. At the end of the month, spring wheat harvest in Minnesota was nearly 3 weeks behind the 5-year average.

**Durum wheat:** Production for 2014 is estimated at 57.1 million bushels, down 2 percent from the revised 2013 total. Grain area harvested totaled 1.37 million acres, up 3 percent from the previous year. The United States yield is estimated at 41.6 bushels per acre, down 1.7 bushels from 2013. Production in North Dakota, the largest Durum-producing State, is up 4 percent from last year. A record high yield is estimated in South Dakota.

Due to excessive moisture this season, crop development has progressed significantly behind normal in Montana and North Dakota, the two largest Durum-producing States. As a result, harvest progress in North Dakota and Montana as of August 31 was well behind last year and the 5-year average.

**Rye:** Production for 2014 is estimated at 7.19 million bushels, down 6 percent from the revised 2013 total. Harvested area totaled 258,000 acres, down 20,000 acres from 2013. The United States yield, at 27.9 bushels per acre, is up 0.5 bushel from the previous year. Drier weather conditions in the Southern Great Plains and the Southeast led to decreases in harvested acres from a year earlier.

#### **Statistical Methodology**

**Survey procedures:** Objective yield and farm operator surveys were conducted to gather information on small grain acreage, yield, and production. The objective yield survey was conducted in 10 States that accounted for over 60 percent of the 2014 winter wheat production. Early in the growing season, farm operators were interviewed to seek permission to randomly locate two sample plots in selected winter wheat fields. Throughout the growing season, counts such as number of stalks, heads in late boot, and number of emerged heads were collected from these plots. The plots were revisited each month until crop maturity when the heads were clipped, threshed, and weighed. After the farm operator harvested the sample field, enumerators revisited the sample to obtain harvesting loss.

The farm operator survey was conducted primarily by telephone with some use of mail, internet, and personal interviewer. Approximately 66,000 producers were interviewed between August 24 and September 16 and asked questions pertaining to planted and harvested area as well as yield and production.

**Estimating Procedures:** National and State level objective yield and grower reported data were reviewed for reasonableness and consistency with historical estimates. The survey data were also reviewed considering weather patterns and crop progress compared with previous years. Each Regional Field Office submits an estimate and written analysis for their State to the Agricultural Statistics Board (ASB). The ASB uses the survey data, administrative data, and the State analysis to prepare the estimates published in this report.

**Revision Policy:** Estimates contained in this report may be revised in the *Crop Production Annual Summary* report published in January should new information become available. Previous year acreage, yield, and production estimates can be revised in the *Small Grain Summary* published the following year, if new information is available that would justify a change. Estimates will also be reviewed after data for the 5-year Census of Agriculture are available. No revisions will be made after that date.

**Reliability:** The surveys used to make the acreage, yield, and production estimates contained in this report are subject to sampling and non-sampling type errors that are common to all surveys. Reliability of the objective yield and farmer survey must be treated separately because the survey designs for the two surveys are different. The objective yield indications are subject to sampling variability because all acres of winter wheat are not included in the sample.

The farm operator survey indications are also subject to sampling variability because all operations with small grains are not included in the sample. This variability, as measured by the relative standard error at the National level, is approximately 1.4 percent for winter wheat, 4.7 percent for Durum wheat, and 2.9 percent for other spring wheat. This means that chances are approximately 95 out of 100 that survey estimates for production will be within plus or minus 2.8 percent for winter wheat, 9.4 percent for Durum wheat, and 5.8 percent for other spring wheat of the value that could be developed by averaging the estimates produced from all possible samples selected from the same population and surveyed using the same procedures. The relative standard errors for barley, oats and rye are 3.3, 3.8, and 8.7 percent, respectively.

Survey indications are also subject to non-sampling errors such as omission, duplication, imputation for missing data, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but they are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

## **Information Contacts**

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov

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James Johanson – County Estimates, Hay	(202) 690-8533
Anthony Prillaman – Peanuts, Rice	
Travis Thorson – Soybeans, Sunflower, Other Oilseeds	

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- ➤ Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit <a href="http://www.nass.usda.gov">http://www.nass.usda.gov</a> and in the "Follow NASS" box under "Receive reports by Email," click on "National" or "State" to select the reports you would like to receive.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@nass.usda.gov.

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## USDA Data Users' Meeting Monday, October 20, 2014

Crowne Plaza Chicago-Metro Chicago, Illinois 60661 312-829-5000

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 the 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 <a href="http://www.nass.usda.gov/meeting/">http://www.nass.usda.gov/meeting/</a> or contact Rose Armstrong (NASS) at (202) 720-3896 or at <a href="meeting-">rose.armstrong@nass.usda.gov</a>.

This Data Users' Meeting precedes the Industry Outlook Conference that will be held at the same location on Tuesday, October 21, 2014. The outlook meeting brings together analysts from various commodity sectors to discuss the outlook situation. For registration details or additional information for the Industry Outlook Conference, see the conference webpage on the LMIC website: <a href="http://www.lmic.info/IOC/">http://www.lmic.info/IOC/</a>. Or call the Livestock Marketing Information Center (LMIC) at (303) 236-0460.