



United States
Department of
Agriculture

National
Agricultural
Statistics
Service



ISSN: 1949-162X

Small Grains 2015 Summary

September 2015

USDA



All wheat production totaled 2.05 billion bushels in 2015, up 1 percent from the revised 2014 total. Area harvested for grain totaled 47.1 million acres, up 2 percent from the previous year. The United States yield is estimated at 43.6 bushels per acre, down 0.1 bushel from the previous year. The levels of production and changes from 2014 by type are winter wheat, 1.37 billion bushels, down less than 1 percent; other spring wheat, 599 million bushels, up less than 1 percent; and Durum wheat, 82.5 million bushels, up 53 percent.

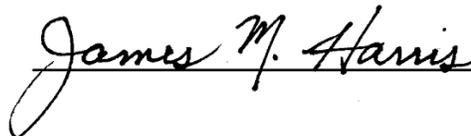
Oat production is estimated at 89.5 million bushels, up 27 percent from the revised 2014 total of 70.2 million bushels. Yield is estimated at 70.2 bushels per acre, up 2.3 bushels from the previous year and represents a new record high for the United States. Harvested area, at 1.28 million acres, is 23 percent above last year.

Barley production is estimated at 214 million bushels, up 18 percent from the revised 2014 total. Average yield per acre, at 68.9 bushels, is down 3.8 bushels from the previous year. Producers seeded 3.56 million acres in 2015, up 17 percent from last year. Harvested area, at 3.11 million acres, is up 25 percent from 2014.

This report was approved on September 30, 2015.



Secretary of Agriculture
Designate
Robert Johansson



Agricultural Statistics Board
Chairperson
James M. Harris

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Oat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted ¹			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Alabama	60	50	55	20	15	20
Arkansas	11	12	11	7	8	8
California	150	120	120	15	10	10
Colorado	55	45	45	12	9	10
Georgia	50	60	65	18	20	25
Idaho	70	70	75	15	15	15
Illinois	40	35	40	25	25	25
Indiana	20	20	15	10	10	5
Iowa	220	145	125	60	55	57
Kansas	100	85	95	20	15	40
Maine	28	32	30	26	31	29
Michigan	50	55	75	30	40	50
Minnesota	240	230	280	105	125	160
Missouri	30	25	30	14	13	14
Montana	50	45	50	22	16	22
Nebraska	150	110	135	25	30	40
New York	75	55	70	46	40	40
North Carolina	35	33	35	13	17	16
North Dakota	225	235	275	135	105	140
Ohio	50	50	70	25	35	40
Oklahoma	60	60	40	7	10	7
Oregon	30	30	35	13	18	11
Pennsylvania	95	90	95	50	60	65
South Carolina	20	21	24	9	10	9
South Dakota	260	250	325	120	100	145
Texas	450	450	520	40	45	55
Utah	40	20	20	5	3	2
Virginia	10	10	12	2	3	4
Washington	20	25	18	5	5	5
Wisconsin	255	255	280	105	140	195
Wyoming	31	30	23	10	7	12
United States	2,980	2,753	3,088	1,009	1,035	1,276

See footnote(s) at end of table.

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**Oat Area Planted and Harvested, Yield, and Production – States and United States:
2013-2015 (continued)**

State	Yield			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Alabama	60.0	65.0	50.0	1,200	975	1,000
Arkansas	73.0	90.0	60.0	511	720	480
California	80.0	100.0	60.0	1,200	1,000	600
Colorado	65.0	60.0	80.0	780	540	800
Georgia	60.0	54.0	45.0	1,080	1,080	1,125
Idaho	73.0	82.0	86.0	1,095	1,230	1,290
Illinois	69.0	80.0	77.0	1,725	2,000	1,925
Indiana	71.0	74.0	59.0	710	740	295
Iowa	66.0	64.0	73.0	3,960	3,520	4,161
Kansas	42.0	56.0	65.0	840	840	2,600
Maine	67.0	70.0	80.0	1,742	2,170	2,320
Michigan	62.0	69.0	67.0	1,860	2,760	3,350
Minnesota	57.0	63.0	78.0	5,985	7,875	12,480
Missouri	53.0	65.0	65.0	742	845	910
Montana	54.0	69.0	53.0	1,188	1,104	1,166
Nebraska	65.0	80.0	67.0	1,625	2,400	2,680
New York	67.0	63.0	58.0	3,082	2,520	2,320
North Carolina	70.0	67.0	66.0	910	1,139	1,056
North Dakota	62.0	73.0	74.0	8,370	7,665	10,360
Ohio	63.0	63.0	63.0	1,575	2,205	2,520
Oklahoma	38.0	38.0	39.0	266	380	273
Oregon	100.0	85.0	88.0	1,300	1,530	968
Pennsylvania	62.0	58.0	55.0	3,100	3,480	3,575
South Carolina	59.0	62.0	58.0	531	620	522
South Dakota	77.0	93.0	87.0	9,240	9,300	12,615
Texas	46.0	38.0	48.0	1,840	1,710	2,640
Utah	62.0	69.0	85.0	310	207	170
Virginia	70.0	78.0	76.0	140	234	304
Washington	68.0	70.0	54.0	340	350	270
Wisconsin	65.0	62.0	72.0	6,825	8,680	14,040
Wyoming	57.0	59.0	60.0	570	413	720
United States	64.1	67.9	70.2	64,642	70,232	89,535

¹ Includes area planted in preceding fall.

Barley Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted ¹			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Arizona	75	36	17	69	32	16
California	95	80	70	42	25	25
Colorado	63	57	65	58	54	63
Delaware	43	41	32	33	31	22
Idaho	650	600	580	620	550	550
Kansas	17	16	13	11	10	8
Maine	20	13	13	17	12	12
Maryland	75	70	50	52	45	35
Michigan	10	9	11	9	8	6
Minnesota	90	75	135	75	60	120
Montana	990	920	970	830	770	850
New York	11	12	11	8	8	9
North Carolina	19	20	19	14	15	14
North Dakota	760	620	1,120	720	535	1,050
Oregon	63	50	49	50	38	37
Pennsylvania	75	70	55	60	50	40
South Dakota	37	28	37	19	17	19
Utah	40	32	27	30	20	16
Virginia	72	56	46	44	28	16
Washington	205	115	110	195	105	100
Wisconsin	33	26	28	16	16	15
Wyoming	85	85	100	68	68	86
United States	3,528	3,031	3,558	3,040	2,497	3,109

See footnote(s) at end of table.

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**Barley Area Planted and Harvested, Yield, and Production – States and United States:
2013-2015 (continued)**

State	Yield			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Arizona	118.0	125.0	120.0	8,142	4,000	1,920
California	75.0	73.0	55.0	3,150	1,825	1,375
Colorado	133.0	124.0	130.0	7,714	6,696	8,190
Delaware	78.0	86.0	80.0	2,574	2,666	1,760
Idaho	93.0	94.0	97.0	57,660	51,700	53,350
Kansas	47.0	35.0	39.0	517	350	312
Maine	53.0	68.0	85.0	901	816	1,020
Maryland	85.0	77.0	69.0	4,420	3,465	2,415
Michigan	52.0	53.0	56.0	468	424	336
Minnesota	69.0	52.0	77.0	5,175	3,120	9,240
Montana	52.0	58.0	52.0	43,160	44,660	44,200
New York	52.0	47.0	45.0	416	376	405
North Carolina	67.0	71.0	72.0	938	1,065	1,008
North Dakota	64.0	67.0	64.0	46,080	35,845	67,200
Oregon	70.0	50.0	52.0	3,500	1,900	1,924
Pennsylvania	68.0	71.0	65.0	4,080	3,550	2,600
South Dakota	54.0	52.0	37.0	1,026	884	703
Utah	78.0	83.0	84.0	2,340	1,660	1,344
Virginia	82.0	79.0	75.0	3,608	2,212	1,200
Washington	72.0	60.0	48.0	14,040	6,300	4,800
Wisconsin	49.0	47.0	55.0	784	752	825
Wyoming	89.0	107.0	95.0	6,052	7,276	8,170
United States	71.3	72.7	68.9	216,745	181,542	214,297

¹ Includes area planted in preceding fall.

All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted ¹			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Alabama	310	255	260	285	225	220
Arizona	87	85	150	84	83	142
Arkansas	680	465	350	610	395	240
California	690	530	465	394	220	210
Colorado	2,310	2,759	2,408	1,639	2,358	2,147
Delaware	85	80	70	78	75	65
Florida	25	15	25	19	10	15
Georgia	430	300	215	360	230	145
Idaho	1,321	1,271	1,200	1,261	1,196	1,135
Illinois	880	740	540	840	670	520
Indiana	460	390	290	435	335	260
Iowa	30	26	20	21	15	15
Kansas	9,500	9,600	9,200	8,450	8,800	8,700
Kentucky	700	630	560	610	510	440
Louisiana	265	160	110	255	150	92
Maryland	345	340	355	260	250	270
Michigan	620	550	510	590	470	475
Minnesota	1,227	1,262	1,532	1,184	1,212	1,473
Mississippi	400	230	150	385	215	120
Missouri	1,080	880	760	985	740	610
Montana	5,400	5,985	5,520	5,165	5,650	5,265
Nebraska	1,470	1,550	1,490	1,140	1,450	1,210
Nevada	31	21	12	15	10	8
New Jersey	34	33	27	29	25	20
New Mexico	440	380	385	100	105	190
New York	125	120	120	115	95	110
North Carolina	990	830	650	925	770	570
North Dakota	6,105	7,960	7,990	6,025	7,490	7,915
Ohio	660	620	520	640	545	480
Oklahoma	5,600	5,300	5,300	3,400	2,800	3,800
Oregon	880	830	835	868	818	828
Pennsylvania	185	185	195	155	150	175
South Carolina	280	230	170	265	220	160
South Dakota	2,494	2,514	2,756	1,839	2,364	2,236
Tennessee	640	530	455	575	475	395
Texas	6,300	6,000	6,000	2,350	2,250	3,550
Utah	138	130	125	124	117	119
Virginia	335	290	260	290	260	210
Washington	2,210	2,320	2,280	2,175	2,250	2,215
West Virginia	9	10	9	7	7	4
Wisconsin	315	295	230	265	250	210
Wyoming	150	140	145	120	125	130
United States	56,236	56,841	54,644	45,332	46,385	47,094

See footnote(s) at end of table.

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**All Wheat Area Planted and Harvested, Yield, and Production – States and United States:
2013-2015 (continued)**

State	Yield			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Alabama	69.0	69.0	68.0	19,665	15,525	14,960
Arizona	99.4	110.1	101.0	8,348	9,136	14,346
Arkansas	62.0	63.0	56.0	37,820	24,885	13,440
California	82.5	83.4	79.4	32,500	18,350	16,680
Colorado	25.3	38.1	37.1	41,488	89,812	79,635
Delaware	64.0	72.0	65.0	4,992	5,400	4,225
Florida	59.0	39.0	43.0	1,121	390	645
Georgia	60.0	49.0	43.0	21,600	11,270	6,235
Idaho	82.2	78.4	77.4	103,592	93,717	87,850
Illinois	67.0	67.0	65.0	56,280	44,890	33,800
Indiana	73.0	76.0	68.0	31,755	25,460	17,680
Iowa	52.0	49.0	52.0	1,092	735	780
Kansas	38.0	28.0	37.0	321,100	246,400	321,900
Kentucky	75.0	71.0	73.0	45,750	36,210	32,120
Louisiana	58.0	62.0	39.0	14,790	9,300	3,588
Maryland	67.0	70.0	64.0	17,420	17,500	17,280
Michigan	75.0	74.0	81.0	44,250	34,780	38,475
Minnesota	56.7	54.8	59.9	67,152	66,468	88,294
Mississippi	58.0	58.0	48.0	22,330	12,470	5,760
Missouri	57.0	58.0	53.0	56,145	42,920	32,330
Montana	39.0	37.1	35.2	201,635	209,470	185,415
Nebraska	35.0	49.0	38.0	39,900	71,050	45,980
Nevada	87.0	105.0	81.3	1,305	1,050	650
New Jersey	54.0	53.0	50.0	1,566	1,325	1,000
New Mexico	44.0	28.0	25.0	4,400	2,940	4,750
New York	68.0	63.0	63.0	7,820	5,985	6,930
North Carolina	57.0	58.0	53.0	52,725	44,660	30,210
North Dakota	45.4	46.3	46.7	273,343	347,068	370,023
Ohio	70.0	74.0	67.0	44,800	40,330	32,160
Oklahoma	31.0	17.0	26.0	105,400	47,600	98,800
Oregon	62.1	54.3	47.3	53,904	44,444	39,195
Pennsylvania	68.0	65.0	65.0	10,540	9,750	11,375
South Carolina	54.0	52.0	46.0	14,310	11,440	7,360
South Dakota	42.2	55.5	46.2	77,558	131,260	103,406
Tennessee	71.0	66.0	68.0	40,825	31,350	26,860
Texas	29.0	30.0	30.0	68,150	67,500	106,500
Utah	44.2	50.3	48.5	5,484	5,882	5,775
Virginia	62.0	68.0	66.0	17,980	17,680	13,860
Washington	66.9	48.2	50.4	145,530	108,460	111,540
West Virginia	52.0	64.0	60.0	364	448	240
Wisconsin	58.0	65.0	74.0	15,370	16,250	15,540
Wyoming	24.0	38.0	32.0	2,880	4,750	4,160
United States	47.1	43.7	43.6	2,134,979	2,026,310	2,051,752

¹ Includes area planted in preceding fall.

Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted ¹			Area harvested		
	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)	2013 (1,000 acres)	2014 (1,000 acres)	2015 (1,000 acres)
Alabama	310	255	260	285	225	220
Arizona	12	8	5	10	7	2
Arkansas	680	465	350	610	395	240
California	620	490	400	345	190	150
Colorado	2,300	2,750	2,400	1,630	2,350	2,140
Delaware	85	80	70	78	75	65
Florida	25	15	25	19	10	15
Georgia	430	300	215	360	230	145
Idaho	780	780	750	740	730	700
Illinois	880	740	540	840	670	520
Indiana	460	390	290	435	335	260
Iowa	30	26	20	21	15	15
Kansas	9,500	9,600	9,200	8,450	8,800	8,700
Kentucky	700	630	560	610	510	440
Louisiana	265	160	110	255	150	92
Maryland	345	340	355	260	250	270
Michigan	620	550	510	590	470	475
Minnesota	27	42	52	24	32	43
Mississippi	400	230	150	385	215	120
Missouri	1,080	880	760	985	740	610
Montana	2,000	2,500	2,350	1,900	2,240	2,220
Nebraska	1,470	1,550	1,490	1,140	1,450	1,210
Nevada	23	15	8	12	9	6
New Jersey	34	33	27	29	25	20
New Mexico	440	380	385	100	105	190
New York	125	120	120	115	95	110
North Carolina	990	830	650	925	770	570
North Dakota	215	870	200	200	555	190
Ohio	660	620	520	640	545	480
Oklahoma	5,600	5,300	5,300	3,400	2,800	3,800
Oregon	790	750	740	780	740	735
Pennsylvania	185	185	195	155	150	175
South Carolina	280	230	170	265	220	160
South Dakota	1,300	1,210	1,420	670	1,080	970
Tennessee	640	530	455	575	475	395
Texas	6,300	6,000	6,000	2,350	2,250	3,550
Utah	120	120	115	110	109	110
Virginia	335	290	260	290	260	210
Washington	1,700	1,700	1,650	1,670	1,640	1,590
West Virginia	9	10	9	7	7	4
Wisconsin	315	295	230	265	250	210
Wyoming	150	140	145	120	125	130
United States	43,230	42,409	39,461	32,650	32,299	32,257

See footnote(s) at end of table.

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**Winter Wheat Planted and Harvested, Yield, and Production – States and United States:
2013-2015 (continued)**

State	Yield			Production		
	2013 (bushels)	2014 (bushels)	2015 (bushels)	2013 (1,000 bushels)	2014 (1,000 bushels)	2015 (1,000 bushels)
Alabama	69.0	69.0	68.0	19,665	15,525	14,960
Arizona	80.0	100.0	103.0	800	700	206
Arkansas	62.0	63.0	56.0	37,820	24,885	13,440
California	80.0	80.0	70.0	27,600	15,200	10,500
Colorado	25.0	38.0	37.0	40,750	89,300	79,180
Delaware	64.0	72.0	65.0	4,992	5,400	4,225
Florida	59.0	39.0	43.0	1,121	390	645
Georgia	60.0	49.0	43.0	21,600	11,270	6,235
Idaho	86.0	80.0	82.0	63,640	58,400	57,400
Illinois	67.0	67.0	65.0	56,280	44,890	33,800
Indiana	73.0	76.0	68.0	31,755	25,460	17,680
Iowa	52.0	49.0	52.0	1,092	735	780
Kansas	38.0	28.0	37.0	321,100	246,400	321,900
Kentucky	75.0	71.0	73.0	45,750	36,210	32,120
Louisiana	58.0	62.0	39.0	14,790	9,300	3,588
Maryland	67.0	70.0	64.0	17,420	17,500	17,280
Michigan	75.0	74.0	81.0	44,250	34,780	38,475
Minnesota	43.0	49.0	58.0	1,032	1,568	2,494
Mississippi	58.0	58.0	48.0	22,330	12,470	5,760
Missouri	57.0	58.0	53.0	56,145	42,920	32,330
Montana	43.0	41.0	41.0	81,700	91,840	91,020
Nebraska	35.0	49.0	38.0	39,900	71,050	45,980
Nevada	90.0	110.0	90.0	1,080	990	540
New Jersey	54.0	53.0	50.0	1,566	1,325	1,000
New Mexico	44.0	28.0	25.0	4,400	2,940	4,750
New York	68.0	63.0	63.0	7,820	5,985	6,930
North Carolina	57.0	58.0	53.0	52,725	44,660	30,210
North Dakota	43.0	49.0	44.0	8,600	27,195	8,360
Ohio	70.0	74.0	67.0	44,800	40,330	32,160
Oklahoma	31.0	17.0	26.0	105,400	47,600	98,800
Oregon	62.0	55.0	47.0	48,360	40,700	34,545
Pennsylvania	68.0	65.0	65.0	10,540	9,750	11,375
South Carolina	54.0	52.0	46.0	14,310	11,440	7,360
South Dakota	39.0	55.0	44.0	26,130	59,400	42,680
Tennessee	71.0	66.0	68.0	40,825	31,350	26,860
Texas	29.0	30.0	30.0	68,150	67,500	106,500
Utah	44.0	50.0	48.0	4,840	5,450	5,280
Virginia	62.0	68.0	66.0	17,980	17,680	13,860
Washington	69.0	52.0	56.0	115,230	85,280	89,040
West Virginia	52.0	64.0	60.0	364	448	240
Wisconsin	58.0	65.0	74.0	15,370	16,250	15,540
Wyoming	24.0	38.0	32.0	2,880	4,750	4,160
United States	47.3	42.6	42.5	1,542,902	1,377,216	1,370,188

¹ Includes area planted in preceding fall.

Other Spring Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Colorado	10	9	8	9	8	7
Idaho	530	480	440	510	455	425
Minnesota	1,200	1,220	1,480	1,160	1,180	1,430
Montana	2,950	3,050	2,550	2,830	2,980	2,440
Nevada	8	6	4	3	1	2
North Dakota	5,100	6,250	6,700	5,060	6,140	6,650
Oregon	90	80	95	88	78	93
South Dakota	1,190	1,300	1,330	1,165	1,280	1,260
Utah	18	10	10	14	8	9
Washington	510	620	630	505	610	625
United States	11,606	13,025	13,247	11,344	12,740	12,941
State	Yield			Production		
	2013	2014	2015	2013	2014	2015
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Colorado	82.0	64.0	65.0	738	512	455
Idaho	77.0	76.0	70.0	39,270	34,580	29,750
Minnesota	57.0	55.0	60.0	66,120	64,900	85,800
Montana	37.0	35.0	31.0	104,710	104,300	75,640
Nevada	75.0	60.0	55.0	225	60	110
North Dakota	46.5	47.5	48.0	235,290	291,650	319,200
Oregon	63.0	48.0	50.0	5,544	3,744	4,650
South Dakota	44.0	56.0	48.0	51,260	71,680	60,480
Utah	46.0	54.0	55.0	644	432	495
Washington	60.0	38.0	36.0	30,300	23,180	22,500
United States	47.1	46.7	46.3	534,101	595,038	599,080

Durum Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona	75	77	145	74	76	140
California	70	40	65	49	30	60
Idaho	11	11	10	11	11	10
Montana	450	435	620	435	430	605
North Dakota	790	840	1,090	765	795	1,075
South Dakota	4	4	6	4	4	6
United States	1,400	1,407	1,936	1,338	1,346	1,896

State	Yield			Production		
	2013	2014	2015	2013	2014	2015
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona	102.0	111.0	101.0	7,548	8,436	14,140
California	100.0	105.0	103.0	4,900	3,150	6,180
Idaho	62.0	67.0	70.0	682	737	700
Montana	35.0	31.0	31.0	15,225	13,330	18,755
North Dakota	38.5	35.5	39.5	29,453	28,223	42,463
South Dakota	42.0	45.0	41.0	168	180	246
United States	43.3	40.2	43.5	57,976	54,056	82,484

Wheat Production by Class – United States: 2013-2015

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

Crop	2013	2014	2015
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Winter			
Hard red	747,373	738,650	826,913
Soft red	568,481	454,531	359,055
Hard white	11,060	11,546	15,914
Soft white	215,988	172,489	168,306
Spring			
Hard red	490,629	555,543	564,107
Hard white	10,525	8,943	5,526
Soft white	32,947	30,552	29,447
Durum	57,976	54,056	82,484
Total	2,134,979	2,026,310	2,051,752

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 2016 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: 2014 and 2015

State	Hard red		Soft red		Hard white		Soft white	
	2014 (percent)	2015 (percent)	2014 (percent)	2015 (percent)	2014 (percent)	2015 (percent)	2014 (percent)	2015 (percent)
Alabama	-	-	100	100	-	-	-	-
Arizona	56	99	-	-	43	1	1	-
Arkansas	-	-	100	100	-	-	-	-
California	89	89	-	-	7	7	4	4
Colorado	95	95	-	-	5	5	-	-
Delaware	-	-	100	100	-	-	-	-
Florida	4	15	96	83	-	2	-	-
Georgia	-	-	100	100	-	-	-	-
Idaho	22	25	-	-	-	-	78	75
Illinois	-	-	100	100	-	-	-	-
Indiana	-	-	100	100	-	-	-	-
Iowa	56	56	41	42	2	1	1	1
Kansas	97	97	1	-	2	3	-	-
Kentucky	-	-	100	100	-	-	-	-
Louisiana	-	-	99	99	-	-	1	1
Maryland	-	-	100	100	-	-	-	-
Michigan	-	-	69	65	-	-	31	35
Minnesota	99	99	-	-	1	1	-	-
Mississippi	2	2	98	98	-	-	-	-
Missouri	1	2	99	98	-	-	-	-
Montana	100	100	-	-	-	-	-	-
Nebraska	99	97	-	-	1	3	-	-
Nevada	-	71	-	-	-	-	100	29
New Jersey	-	-	100	100	-	-	-	-
New Mexico	100	99	-	-	-	-	-	1
New York	3	3	88	92	-	-	9	5
North Carolina	-	-	100	100	-	-	-	-
North Dakota	100	100	-	-	-	-	-	-
Ohio	-	-	100	100	-	-	-	-
Oklahoma	99	99	1	1	-	-	-	-
Oregon	6	5	-	-	-	-	94	95
Pennsylvania	1	1	98	98	-	-	1	1
South Carolina	-	-	100	100	-	-	-	-
South Dakota	100	100	-	-	-	-	-	-
Tennessee	-	-	100	100	-	-	-	-
Texas	94	93	6	7	-	-	-	-
Utah	75	75	-	-	-	1	25	24
Virginia	-	-	100	100	-	-	-	-
Washington	13	14	-	-	-	-	87	86
West Virginia	2	4	98	95	-	-	-	1
Wisconsin	3	4	97	96	-	-	-	-
Wyoming	99	98	-	-	1	2	-	-

- Represents zero.

Other Spring Wheat (excluding Durum) Production Distribution by Class – States: 2014 and 2015

State	Hard red		Hard white		Soft white	
	2014	2015	2014	2015	2014	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Colorado	69	50	23	40	8	10
Idaho	40	44	22	17	38	39
Minnesota	100	100	-	-	-	-
Montana	100	100	-	-	-	-
Nevada	-	-	-	-	100	100
North Dakota	100	100	-	-	-	-
Oregon	32	38	1	1	67	61
South Dakota	100	100	-	-	-	-
Utah	49	51	5	3	46	46
Washington	32	34	5	1	63	65

- Represents zero.

Winter Wheat Head Population

The National Agricultural Statistics Service conducted objective yield surveys in 10 winter wheat estimating States during 2015. 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: 2011-2015

State	2011	2012	2013	2014	2015
	(number)	(number)	(number)	(number)	(number)
Colorado					
July	45.3	41.0	32.1	42.4	51.1
August	45.0	41.0	31.9	43.2	49.3
Final	45.0	41.0	31.9	43.4	49.3
Illinois					
July	60.0	56.5	60.9	63.5	56.7
August	60.1	56.5	61.2	63.7	56.9
Final	60.1	56.5	61.2	63.7	56.9
Kansas					
July	42.2	46.5	50.4	36.4	43.1
August	42.2	46.7	50.4	36.4	43.1
Final	42.2	46.7	50.4	36.4	43.1
Missouri					
July	50.7	49.9	54.6	51.2	52.5
August	48.9	49.9	55.8	50.9	52.5
Final	48.9	49.9	55.8	50.9	52.5
Montana					
July	44.3	44.1	43.7	43.4	48.9
August	46.7	44.7	45.1	44.2	47.7
Final	46.9	45.0	45.1	44.2	47.7
Nebraska					
July	54.3	50.7	38.5	48.2	47.9
August	54.6	50.7	38.8	48.2	47.6
Final	54.6	50.7	38.8	48.2	47.6
Ohio					
July	56.1	58.3	53.0	58.8	51.0
August	56.2	58.3	54.0	58.4	51.2
Final	56.2	58.3	54.0	58.4	51.2
Oklahoma					
July	37.7	47.7	51.7	34.9	39.6
August	37.7	47.7	51.7	34.9	39.4
Final	37.7	47.7	51.7	34.9	39.4
Texas					
July	32.7	34.3	33.3	32.8	34.3
August	32.8	34.3	33.3	32.8	34.3
Final	32.9	34.3	33.0	33.1	34.2
Washington					
July	41.3	37.3	38.0	32.3	31.3
August	41.5	36.6	38.6	32.1	31.3
Final	41.4	36.9	38.6	32.3	31.3

Rye Area Planted and Harvested, Yield, and Production – States and United States: 2013-2015

State	Area planted ¹			Area harvested		
	2013	2014	2015	2013	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Georgia	190	170	210	40	20	30
Oklahoma	260	240	240	80	55	80
Other States ²	1,001	1,024	1,119	158	183	250
United States	1,451	1,434	1,569	278	258	360
State	Yield			Production		
	2013	2014	2015	2013	2014	2015
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Georgia	27.0	27.0	14.0	1,080	540	420
Oklahoma	20.0	9.0	24.0	1,600	495	1,920
Other States ²	31.3	33.6	36.6	4,946	6,154	9,156
United States	27.4	27.9	31.9	7,626	7,189	11,496

¹ Includes area planted in preceding fall.

² 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: 2014-2015

Crop	Area planted		Area harvested	
	2014	2015	2014	2015
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Barley	3,031	3,558	2,497	3,109
Oats	2,753	3,088	1,035	1,276
Rye	1,434	1,569	258	360
Wheat, all	56,841	54,644	46,385	47,094
Winter	42,409	39,461	32,299	32,257
Durum	1,407	1,936	1,346	1,896
Other spring	13,025	13,247	12,740	12,941
Crop	Yield per acre		Production	
	2014	2015	2014	2015
	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Barley	72.7	68.9	181,542	214,297
Oats	67.9	70.2	70,232	89,535
Rye	27.9	31.9	7,189	11,496
Wheat, all	43.7	43.6	2,026,310	2,051,752
Winter	42.6	42.5	1,377,216	1,370,188
Durum	40.2	43.5	54,056	82,484
Other spring	46.7	46.3	595,038	599,080

Small Grain Annual Summary Area Planted and Harvested, Yield, and Production in Metric Units – United States: 2014-2015

Crop	Area planted		Area harvested	
	2014	2015	2014	2015
	(hectares)	(hectares)	(hectares)	(hectares)
Barley	1,226,620	1,439,890	1,010,510	1,258,180
Oats	1,114,110	1,249,680	418,850	516,380
Rye	580,330	634,960	104,410	145,690
Wheat, all	23,002,980	22,113,880	18,771,550	19,058,470
Winter	17,162,500	15,969,470	13,071,080	13,054,090
Durum	569,400	783,480	544,710	767,290
Other spring	5,271,090	5,360,930	5,155,750	5,237,090
Crop	Yield per hectare		Production	
	2014	2015	2014	2015
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
Barley	3.91	3.71	3,952,610	4,665,770
Oats	2.43	2.52	1,019,410	1,299,600
Rye	1.75	2.00	182,610	292,010
Wheat, all	2.94	2.93	55,147,120	55,839,540
Winter	2.87	2.86	37,481,680	37,290,410
Durum	2.70	2.93	1,471,160	2,244,850
Other spring	3.14	3.11	16,194,280	16,304,290

Crop Comments

Oats: Production in 2015 is estimated at 89.5 million bushels, up 27 percent from the revised 2014 total of 70.2 million bushels. Yield is estimated at 70.2 bushels per acre, up 2.3 bushels from the previous year, and represents a new record high for the United States. Harvested area, at 1.28 million acres, is 23 percent above the previous year. Record low acres were harvested in California, Indiana, South Carolina, Oregon, and Utah.

Favorable growing conditions in Minnesota this year promoted significant yield increases compared with 2014. Drought conditions in California led to a large decline in yield from 2014. Record high yields are estimated in Colorado, Kansas, Minnesota, North Dakota, Wisconsin, and Utah. In early spring, planting and emergence of the oat crop was behind the normal pace but quickly caught up due to favorable weather conditions. By April 12, producers had sown 43 percent of the oat crop, 9 percentage points ahead of last year but 2 percentage points behind the 5-year average. National planting progress remained ahead of normal by the end of April with 71 percent of the crop planted by April 26, nineteen percentage points ahead of last year. Eighty-five percent of the oat crop was seeded by May 3, twenty-nine percentage points ahead of the previous year and 18 percentage points ahead of the 5-year average. Throughout June, crop development remained on pace or ahead of normal in most major oat-producing States. As of June 28, eighty-three percent of the oat acreage was headed, 12 percentage points ahead of the 5-year average. By August 9, sixty-two percent of the oat acreage was harvested, equal to the 5-year average pace. By August 30, ninety-five percent of the oat acreage was harvested, 4 percentage points ahead of the 5-year average.

Barley: Production is estimated at 214 million bushels, up 18 percent from the revised 2014 total. Average yield per acre, at 68.9 bushels, is down 3.8 bushels from the previous year. Producers seeded 3.56 million acres in 2015, up 17 percent from last year. Harvested area, at 3.11 million acres, is up 25 percent from 2014.

Barley planting progress was well ahead of the historical pace by early April, with 65 percent planted in Idaho and 55 percent planted in Washington by April 12. Nationwide, barley producers had seeded 75 percent of the Nation's crop by May 3, thirty-one percentage points ahead of last year and 28 percentage points ahead of the 5-year average. By the beginning of May, emergence was evident in 39 percent of the Nation's barley fields, 23 percentage points ahead of last year and 22 percentage points ahead of the 5-year average. By May 3, the emergence of barley was more than 20 percentage points ahead of normal in four of the five estimating States. Ninety-five percent of the barley crop was emerged by May 31, twenty-two percentage points ahead of last year and 25 percentage points ahead of the 5-year average. The barley crop was almost completely emerged by the end of May in all estimating States except North Dakota. Heading of the Nation's barley crop advanced to 62 percent complete by June 28, thirty-three percentage points ahead of last year and 36 percentage points ahead of the 5-year average. Overall, 73 percent of the barley was reported in good to excellent condition on June 28, five percentage points better than the same time last year. Hot, dry conditions in Montana and Washington dried out soils and lowered barley condition ratings in June. By August 2, barley producers had harvested 17 percent of the Nation's crop, 9 percentage points ahead of the 5-year average. Overall, 66 percent of the barley was reported in good to excellent condition on August 9, slightly above the same time last year. Ninety-five percent of the barley crop was harvested by September 6, seventeen percentage points ahead of last year and 13 percentage points ahead of the 5-year average.

Winter wheat: Winter wheat production for 2015 totaled 1.37 billion bushels, down less than 1 percent from the revised 2014 total. The United States yield, at 42.5 bushels per acre, is down 0.1 bushel from 2014. Area harvested for grain is estimated at 32.3 million acres, down slightly from the previous year. A record high yield is estimated in Michigan for 2015.

Planted acreage was down from 2014 in most of the major Hard Red Winter (HRW) growing States. Particularly large decreases occurred in Colorado, Kansas, Montana, and North Dakota. Harvested acres were up across the Southern HRW region, with large increases in Oklahoma and Texas compared with 2014. Nationally, HRW production totaled 827 million bushels, up 12 percent from 2014.

In the Soft Red Winter (SRW) growing area, planted and harvested acreage decreases from 2014 were experienced throughout most of the region. SRW production totaled 359 million bushels, down 21 percent from 2014.

White winter production totaled 184 million bushels, up slightly from the previous year. Harvested acreage in the Pacific Northwest (Idaho, Oregon, and Washington) was down three percent from 2014. Yields were up from last year in Idaho and Washington.

Other spring wheat: Production for 2015 is estimated at 599 million bushels, up less than 1 percent from the 2014 total. Harvested area totaled 12.9 million acres, up 2 percent from 2014. The United States yield is estimated at 46.3 bushels per acre, down 0.4 bushel below the 2014 average yield. Of the total production, 564 million bushels are Hard Red Spring wheat, up 2 percent from 2014. Record high yields are estimated in North Dakota and Minnesota.

By May 3, producers had sown 75 percent of the spring wheat crop, 50 percentage points ahead of the previous year and 35 percentage points ahead of the 5-year average. Favorable field conditions aided planting progress which remained ahead of the 5-year average pace throughout the spring. Nationally, producers had sown 94 percent of the spring wheat crop by May 17, forty-seven percentage points ahead of the previous year and 29 percentage points ahead of the 5-year average. Seventy-six percent of the spring wheat was at or beyond the heading stage by July 5, thirty-two percentage points ahead of the previous year and 29 percentage points ahead of the 5-year average. Spring wheat development ran well ahead of normal in the Pacific Northwest and Northern Great Plains in 2015. Nationally, 88 percent of the spring wheat crop was harvested by August 30, fifty-two percentage points ahead of the previous year and 26 percentage points ahead of the 5-year average.

Durum wheat: Production for 2015 is estimated at 82.5 million bushels, up 53 percent from the revised 2014 total. Grain area harvested totaled 1.90 million acres, up 41 percent from the previous year. The United States yield is estimated at 43.5 bushels per acre, up 3.3 bushels from 2014. Production in North Dakota, the largest Durum-producing State, is up 50 percent from 2014. Durum wheat production in Montana for 2015 represents a record high for the State. A record high yield is estimated in North Dakota for 2015.

Favorable conditions throughout the growing season advanced crop development ahead of 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 30 was well ahead of last year and the 5-year average pace.

Rye: Production for 2015 is estimated at 11.5 million bushels, up 60 percent from the 2014 total. Harvested area totaled 360,000 acres, up 102,000 acres from 2014. The United States yield, at 31.9 bushels per acre, is up 4 bushels from the previous year. Favorable weather conditions in the Southern Great Plains and the Southeast led to an increase 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 2015 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 during the first two weeks of September 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 1.5 percent for winter wheat, 5.3 percent for Durum wheat, and 2.7 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 3.0 percent for winter wheat, 10.6 percent for Durum wheat, and 5.4 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 4.7, 3.7, and 4.9 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

Lance Honig, Chief, Crops Branch	(202) 720-2127
Anthony Prillaman, Head, Field Crops Section	(202) 720-2127
Angie Considine – Cotton, Cotton Ginnings, Sorghum	(202) 720-5944
Tony Dahlman – Crop Weather, Barley, Soybeans	(202) 720-7621
Chris Hawthorn – Corn, Flaxseed, Proso Millet	(202) 720-9526
James Johanson – County Estimates, Hay	(202) 690-8533
Jean Porter – Oats, Rye, Wheat	(202) 720-8068
Bianca Pruneda – Peanuts, Rice	(202) 720-7688
Travis Thorson – Sunflower, Other Oilseeds	(202) 720-7369

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USDA NASS Data Users' Meeting
Wednesday, October 28, 2015

University of Chicago – Gleacher Center
450 North Cityfront Plaza Drive
Chicago, Illinois 60611
312-464-8787

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 <http://www.nass.usda.gov/meeting/> or contact Tina Hall (NASS) at 202-720-3896 or at tina.hall@nass.usda.gov .

This Data Users' Meeting precedes the Industry Outlook Conference that will be held at the same location on Thursday, October 29, 2015. 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: <http://lmic.info/page/meetings>. For more information, contact James Robb at (303) 716-9933.