

FALL POTATOES

Maine fall potato production at 15.7 million cwt (hundredweight) was virtually unchanged from 2012. An estimated 1,000 acres were not harvested in 2013. Growers dug potatoes from 54,000 acres, 1,000 less acres than a year earlier. Yields averaged 290 cwt per acre in 2013, up 15 cwt per acre from 2012, and above the previous 5-year average of 275 cwt per acre.

Warm dry planting and growing conditions got the 2013 crop off to a quick start. Maine's crop was over 80 percent seeded by the by May 22 but wet conditions slowed the seeding the rest of the acreage. The crop was just over 50 percent emerged by June 15, about half a week behind normal. Weather conditions through July and August kept the crop in good or excellent condition. Farmers were able to the start the harvest of early potatoes on time in late August but delayed the harvest of other potatoes to take advantage of the prolonged growing season and improve yields and quality.

Results from the 2013 Potato Objective Yield Survey showed round whites graded at 75.8 percent U.S. Number 1, down from 83.5 percent a year earlier. Culls averaged 5.9 percent for round whites, compared with 8.9 percent the previous year. All Long Potatoes (Russets and Shepody) averaged 77.9 percent U.S. Number 1, compared with 83.1 percent in 2013. Culls averaged 5.7 percent compared with 9.8 percent in 2012.

Potato farmers in Massachusetts and Rhode Island did not enjoyed as good of a season. Massachusetts potato production weighed in at 910,000 cwt in 2013, 29 percent below the previous year due to lower yields. Massachusetts growers harvested 3,500 acres and yields averaged a record 260 cwt per acre.. Rhode Island potato production was 125,000 cwt in 2013, 17 percent below the previous year due to lower yields and reduced acreage. Final 2013 crop disposition and sales data will be published in September 2014, in the Potatoes release.

FALL POTATOES: Acreage, Yield, and Production, 2012 – 2013 ¹

State	Area Planted		Area Harvested		Yield per Acre		Production	
	2012	2013	2012	2013	2012	2013	2012	2013
	1,000 Acres				Cwt		1,000 Cwt	
California	8.3	8.3	8.3	8.3	470	485	3,901	4,026
Colorado	55.1	54.8	54.0	54.6	370	371	19,980	20,279
Idaho	345.0	317.0	344.0	316.0	412	415	141,820	131,131
Maine	57.5	55.0	57.0	54.0	275	290	15,675	15,660
Massachusetts	3.9	3.5	3.9	3.5	330	260	1,287	910
Michigan	46.5	44.5	45.5	44.0	350	390	15,925	17,160
Minnesota	49.0	47.0	47.0	45.0	400	400	18,800	18,000
Montana	12.0	11.3	11.7	11.1	320	305	3,744	3,386
Nebraska	23.5	18.5	23.3	18.3	445	460	10,369	8,418
Nevada	7.1	(D)	7.1	(D)	380	(D)	2,698	(D)
New Mexico	6.3	(D)	6.2	(D)	460	(D)	2,852	(D)
New York	17.0	18.0	16.5	17.6	285	270	4,703	4,752
North Dakota	88.0	81.0	84.0	78.0	300	290	25,200	22,620
Ohio	1.5	1.4	1.4	1.3	220	350	308	455
Oregon	42.0	40.0	41.7	39.6	550	545	22,935	21,582
Pennsylvania	8.9	7.5	8.6	7.4	260	250	2,236	1,850
Rhode Island	0.6	0.5	0.6	0.5	250	250	150	125
Washington	165.0	160.0	164.0	160.0	585	600	95,940	96,000
Wisconsin	64.5	62.5	64.0	62.0	460	440	29,440	27,280
Other States ²	(NA)	11.1	(NA)	10.4	(NA)	430	(NA)	4,472
United States Fall Crop	1001.7	941.9	988.8	931.6	423	427	417,963	398,106

(D) Withheld to avoid disclosing data for individual operations.

¹ Data in this table are not derived solely from the Potato Objective Yield Survey; data are derived from other end of year surveys conducted by New England Agricultural Statistics.

² Includes data withheld above.

FALL POTATOES: Acreage, Yield, Production, Disposition, and Value, 2004 – 2013 ¹

State and Year	Area		Yield per Acre	Production	Total Used for Seed	Disposition			Price Per Cwt	Value of	
	Planted	Harvested				On Farm Where Grown		Sold		Production	Sales
						Seed, Feed, Home Use	Shrink and Loss				
	1,000 Acres		Cwt			1,000 Cwt			Dollars	1,000 Dollars	
Maine											
2004	63.5	61.5	310	19,065	1,231	190	4,900	13,975	6.50	123,923	90,735
2005	57.5	56.2	275	15,455	1,264	242	1,183	14,030	8.25	127,504	115,619
2006	58.5	57.0	305	17,385	1,228	228	1,227	15,930	7.80	135,603	124,027
2007	57.1	56.5	295	16,668	1,183	195	633	15,840	7.90	131,677	125,374
2008	56.0	54.7	270	14,769	1,154	214	525	14,030	9.75	143,998	137,051
2009	56.0	55.5	275	15,263	1,227	215	968	14,080	10.10	154,156	141,904
2010	55.0	54.8	290	15,892	1,130	175	600	15,117	10.00	158,920	151,055
2011	57.0	54.0	265	14,310	1,210	150	1,500	12,660	10.40	148,824	131,644
2012	57.5	57.0	275	15,675	1,132	150	650	14,875	11.00	172,425	163,982
2013	55.0	54.0	290	15,660					10.70	167,562	
Massachusetts											
2004	2.6	2.5	320	800	59	5	6	789	6.60	5,280	5,198
2005	2.5	2.4	260	624	76	4	8	612	8.80	5,491	5,388
2006	3.1	3.1	240	744	59	5	5	734	10.10	7,514	7,433
2007	2.7	2.6	320	832	60	—	12	820	7.50	6,240	6,151
2008	2.8	2.7	260	702	74	12	25	665	14.20	9,968	9,413
2009	3.5	3.4	260	884	84	4	75	805	9.25	8,177	7,450
2010	3.9	3.8	285	1,083	78	3	20	1,060	9.65	10,451	10,213
2011	3.6	2.8	275	770	93	3	12	755	11.10	8,547	8,366
2012	3.9	3.9	330	1,287	98	4	16	1,267	10.80	13,900	13,666
2013	3.5	3.5	260	910					10.9	9,919	
Rhode Island											
2004	0.5	0.5	290	145	14	—	3	142	7.65	1,109	1,086
2005	0.5	0.5	210	105	12	—	2	103	8.50	893	874
2006	0.5	0.5	260	130	14	—	2	128	10.40	1,352	1,325
2007	0.6	0.6	300	180	12	—	5	175	8.55	1,539	1,495
2008	0.5	0.5	280	140	12	—	3	137	13.30	1,862	1,826
2009	0.5	0.4	230	92	14	1	10	81	11.20	1,030	911
2010	0.6	0.6	275	165	16	1	4	160	12.90	2,129	2,071
2011	0.6	0.6	250	150	16	1	3	146	15.70	2,355	2,286
2012	0.6	0.6	250	150	15	1	2	147	12.70	1,905	1,873
2013	0.5	0.5	250	125					(D)	(D)	
New England ²											
2004	66.6	64.5	310	20,010	1,304	195	4,909	14,906	6.51	130,312	97,019
2005	60.5	59.1	274	16,184	1,352	246	1,193	14,745	8.27	133,888	121,881
2006	62.1	60.6	301	18,259	1,301	233	1,234	16,792	7.91	144,469	132,785
2007	60.4	59.7	296	17,680	1,255	195	650	16,835	7.89	139,456	133,020
2008	59.3	57.9	270	15,611	1,240	226	553	14,832	9.89	155,828	148,290
2009	60.0	59.3	274	16,239	1,325	220	1,053	14,966	10.06	163,363	150,265
2010	59.5	59.2	290	17,140	1,224	179	624	16,337	10.01	171,500	163,339
2011	61.2	57.4	265	15,230	1,319	154	1,515	13,561	10.49	159,726	142,296
2012	62.0	61.5	278	17,112	1,245	155	668	16,289	11.02	188,230	179,521
2013	59.0	58.0	288	16,695					(D)	(D)	

¹ 2013 production and value data are preliminary. Revised production, sales, and disposition data will be published September 18, 2014, in the *Potatoes, 2013 Summary*.² New England includes Maine, Massachusetts, and Rhode Island— Represents zero.

(D) Data withheld to prevent disclosure of individual operations.

MAINE POTATOES: Planting Progress, 2008 – 2013

Week Ending	Percent of Acres Planted Weekly						Accumulated Percent of Acres					
	2008	2009	2010	2011	2012	2013	2008	2009	2010	2011	2012	2013
	Percent											
Before May 1	0	2	10	0	2	4	0	2	10	0	2	4
May 8	1	5	30	2	20	22	1	7	40	2	22	26
May 15	16	33	30	8	30	35	17	40	70	10	52	61
May 22	39	45	20	30	20	21	56	85	90	40	72	82
May 29	30	14	5	20	24	5	86	99	95	60	96	87
June 5	13	1	5	30	3	5	99	100	100	90	99	92
After June 5	1	0	0	10	1	8	100	100	100	100	100	100

MAINE POTATOES: Percent of Acres Planted by Variety and Type, 2008 – 2013

Variety and Type	2008	2009	2010	2011	2012	2013
	Percent					
By Variety:						
Russet Burbank	42.6	41.5	38.0	43.1	42.7	39.5
Frito-Lay	13.8	11.1	15.6	12.5	11.5	15.2
Snowden	*	1.4	5.8	5.5	4.7	5.9
Innovator	(NA)	(NA)	2.0	2.0	2.9	4.7
Superior	3.5	4.9	3.8	4.1	5.1	4.0
Norland	4.0	3.6	1.6	3.9	3.4	3.2
Atlantic	1.4	3.0	2.8	1.3	1.4	3.1
Blazer R	(NA)	(NA)	*	1.9	3.0	2.5
R Norkotah	4.2	5.1	3.5	4.9	5.9	2.3
Ontario	2.6	1.5	*	1.1	1.7	2
Prospect	*	*	*	*	*	1.5
Yukon Gold	3.7	4.3	2.8	2.2	1.3	1.5
Gold Rush	*	*	*	*	*	1.3
Keuka Gold	*	*	1.3	*	1.0	1.1
Reba	2.2	2.0	2.1	2.7	*	1.1
Katahdin	2.4	2.7	1.6	1.1	1.0	1
Marcy	*	*	1.3	*	*	*
Monona	*	2.1	*	1.1	*	*
Shepody	4.6	3.9	5.2	4.1	1.4	*
Other Varieties	7.7	9.0	9.5	5.9	8.1	9.5
Total	100.0	100.0	100.0	100.0	100.0	3.2

* Included with other varieties.

(NA) Not available.

MAINE POTATOES: Number of Hills per Acre, by Type, 2009 – 2013 ¹

Year	Reds		Whites		Yellow		Russets	
	Samples	Average Number of Hills per Acre	Samples	Average Number of Hills per Acre	Samples	Average Number of Hills per Acre	Samples	Average Number of Hills per Acre
	Number							
2009	6	14,873	40	13,807	9	15,617	61	9,638
2010	5	16,275	51	13,597	7	13,327	52	9,964
2011	9	13,687	46	13,015	3	14,268	73	9,809
2012	4	12,589	41	11,810	6	11,471	82	9,669
2013	8	13,306	56	13,468	9	12,427	41	10,005

¹ Tubers 1½ inches and over.

MAINE POTATOES: Percent of Net Yield by Size Groups Round Whites, 2008 – 2013 ¹

Size	Round Whites					
	2008	2009	2010	2011	2012	2013
	Percent					
1 ½" – under 1 ⅞"	0.5	3.7	4.2	1.2	4.4	4.8
1 ⅞" – under 2"	4.1	5.3	5.7	2.2	3.4	4.5
2" – under 2 ¼"	11.9	13.1	13.2	10.2	12.2	13.8
2 ¼" – under 2 ½"	19.7	20.3	20.1	16.6	20.8	21.0
2 ½" – under 3 ½"	59.6	53.8	52.5	63.0	51.5	53.2
3 ½" – under 4"	3.0	2.6	3.0	6.5	6.7	2.7
4" and over	1.2	1.2	1.3	0.3	1.0	*

* Less than 1 percent.

¹ Percent of net yield adjusted for field loss.**Long Potato (Russet and Shepody) Size Categories – Maine: 2011 and 2012 ¹**

Year	Under 2 inches		2 Inches and Over					
	1 1/2- Under 1 7/8 Inch	1 7/8-Under 2 Inches	4 oz – Under 6 oz	6 oz-under 8 oz	8 oz –Under 10 oz	10 oz-Under 12 oz	12 oz –Under 14 oz	14 oz and Over
	Percent							
2011	3.4	5.7	34.2	21.7	16.3	7.8	4.0	6.9
2012	—	4.8	38.1	20.9	13.8	9.2	6.0	7.2
2013	6.9	6.4	32.5	20.9	14.6	12	4.4	2.3

¹ Percent of net yield - adjusted for field loss**MAINE POTATOES: Percent of Net Yield by Grade, by Type, Round Whites and All Long Potatoes 2008 – 2013 ¹**

Grade	Round Whites						All Long Potatoes					
	2008	2009	2010	2011	2012	2013	2008	2009	2010	2011	2012	2013
	Percent											
No. 1 (2 Inch Minimum) ²	76.3	72.9	70.2	80.7	83.5	75.8	65.5	69.8	66.2	66.9	80.6	77.9
No. 2 or Processing Usable (1 ½ Inch Minimum) ³	11.9	15.7	15.3	5.4	7.6	18.3	20.0	19.2	22.5	15.2	9.7	16.4
Cull ⁴	11.7	11.4	14.5	13.9	8.9	5.9	14.5	11.0	11.6	17.9	9.7	5.7

¹ Percent of net yield – adjusted for field loss. Reflects condition before harvest or handling damage.² Potatoes which meet the requirements for US #1, as stated in U.S. Standards for Grades of Potatoes, USDA, Agriculture Marketing Service.³ Potatoes which meet the requirements for US #2, as stated in U.S. Standards for Grades of Potatoes, USDA, Agriculture Marketing Service.⁴ Potatoes not meeting the requirements for US #1 or US #2, as stated in U.S. Standards for Grades of Potatoes, USDA, Agriculture Marketing Service.**MAINE FALL POTATOES: Harvest Loss by Type, 2009 – 2013**

Year	Reds	Whites	Yellows	Russets	All Types
	cwt per Acre				
2009	25	25	13	23	23
2010	14	27	—	38	31
2011	(D)	30	(D)	30	29
2012	(D)	26	(D)	24	24
2013	13	(D)	(D)	(D)	15

— Represents zero.

(D) Data withheld to prevent disclosure of individual operations.

**MAINE POTATOES: Prices Received by Farmers for Fall Potatoes,
Monthly and Marketing Year Average, 2007 – 2012 Crop Years**

Crop Year	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Market Year Average
	Dollars per Cwt												
2007	(D)	6.20	6.40	7.25	7.55	7.60	8.00	8.55	8.65	9.15	8.75	8.55	7.90
2008	(D)	7.80	8.65	10.20	9.95	9.95	10.40	11.20	10.60	9.70	9.15	(D)	9.75
2009	(D)	(D)	8.80	9.75	9.75	9.90	9.95	10.50	10.90	10.90	10.20	(D)	10.10
2010	(D)	(D)	8.00	9.40	9.45	10.00	10.40	11.30	10.90	10.50	10.30	(D)	10.00
2011	(D)	(D)	8.65	9.70	10.20	10.20	11.10	11.20	12.00	11.40	(D)	(D)	10.40
2012	(D)	(D)	9.95	10.30	11.00	10.90	11.00	11.60	12.10	11.90	(D)	(D)	11.00

(D) Missing data indicates too few potatoes being marketed to set price or data are not published to avoid disclosure of individual operations.

¹ Average price of potatoes sold for all uses, including table stock, processing, seed and livestock feed.

MAINE POTATOES: Production and Stocks by Month, 2007 – 2012 Crop Years

Crop Year	Production	Stocks Held by Growers, Local Dealers, and Processors						
		Year	Following Year					
		December 1	January 1	February 1	March 1	April 1	May 1	June 1
		1,000 cwt						
2007	16,668	12,900	11,400	9,700	8,000	6,400	4,300	2,500
2008	14,769	11,300	10,000	8,500	7,100	5,600	3,700	2,200
2009	15,263	12,000	10,800	9,300	7,800	6,000	3,900	2,200
2010	15,892	12,300	10,900	9,300	7,900	5,900	3,900	2,300
2011	14,310	10,600	(NA)	7,400	(NA)	4,400	(NA)	1,600
2012	15,675	12,415	(NA)	9,700	(NA)	(NA)	(NA)	(NA)

(NA) Not Available

