



# Montana Barley Varieties 2013

Cooperating with the Montana Department of Agriculture  
10 W 15<sup>th</sup> Street, Suite 3100 · Helena, MT 59626

Released: July 29, 2013

The total acres of barley seeded in Montana in 2013 are reported at 1,000,000 acres, up from 900,000 acres planted in 2012. Montana now ranks first in planted barley acreage in the United States for 2013, according to the USDA National Agricultural Statistics Service, Montana Field Office. The top variety seeded in Montana for the sixth year in a row was AC Metcalfe, followed by Haxby, Hockett and Moravian 115.

## TOP MALTING VARIETIES

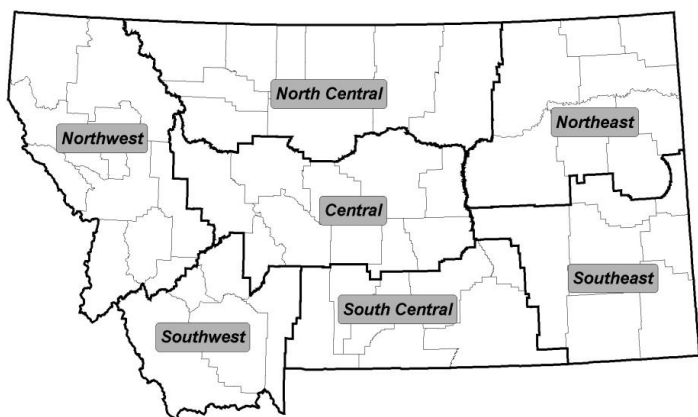
**AC Metcalfe** continues to be the leading malting barley variety for the sixth year in a row. Montana growers seeded 300,800 acres (30.1 percent of total acres of barley planted in Montana). AC Metcalfe is a two-row malting barley developed by Agriculture and Agri-Food Canada, located in Brandon, Manitoba. It has an 8 percent higher yield, but matures one day later than Harrington. It is resistant to loose smut, and is moderately resistant to the spot-form of net blotch, surface-borne smuts, and common root rot. It has plump kernels and high test weight, but it is susceptible to scald and septoria.

**Hockett** is the second leading malting barley variety planted in 2013. Montana producers planted 105,400 acres, accounting for 10.5 percent of the total barley acres planted this year. Hockett is a two rowed dry land variety that was developed by Montana State University (MSU) in 2008. When compared to Harrington, Hockett has a higher yield and better malt quality given dry land conditions. It is susceptible to lodging and stripe rust.

**Moravian 115** ranked third among malting barley varieties seeded for the 2013 crop year. A total of 78,000 acres or 7.8 percent of all barley is planted to this variety. This is a two rowed variety bred by Coors Brewing Company. It is a small-stature, high yielding variety with high extract and moderate protein. It is a semi-dwarf barley and typically does not lodge under normal production conditions.

**Conrad** is the fourth most common malting barley variety seeded in 2013. A total of 48,900 acres were planted, accounting for 4.9 percent of the total acres seeded. Conrad is a two-row variety released by Busch Agricultural Resources in 2005. This variety is a medium-tall plant with fair straw strength and a medium late maturity. Conrad has malt protein levels similar to Merit and Harrington. Its resistance to both scald and net blotch is slightly better than Harrington and is resistant to rust stripe.

Montana's Agricultural Districts



## TOP FORAGE VARIETIES

**Haybet** has been the top forage barley variety seeded for the past fourteen years. Montana farmers planted 60,700 acres, accounting for 6.1 percent of the total acres seeded in 2013. It was developed cooperatively by the Agricultural Research Service, USDA, and the Montana Agricultural Experiment Station in 1989. It is a two-rowed, hooded, white-kernel spring hay barley. Compared to Horsford hay barley, Haybet is 3 days later in heading and similar in plant height and percent lodging. Haybet is higher in hay yield than Horsford, but they are similar in yield.

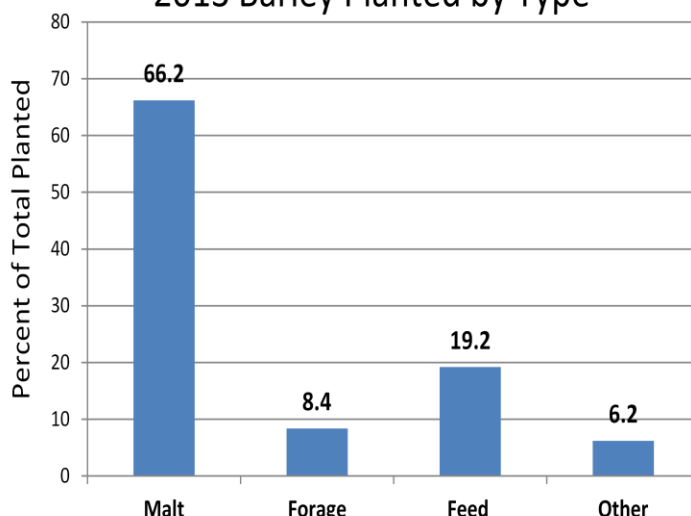
**Hays** is the second most common forage barley variety planted in 2013 with 14,900 acres or 1.5 percent of the total barley planted. It is a two-rowed hooded hay barley developed by MSU, and is a cross between Haybet and Baronesse varieties. Forage yields are similar to Haybet and higher than Westford. Hays is about three inches shorter and heads two days later than Haybet, however, the two varieties have similar test weights.

## TOP FEED VARIETIES

**Haxby** remained the top feed barley variety planted for feed in 2013 for the seventh year in a row. Producers planted 112,600 acres in 2013 up from 74,900 in 2012. This variety accounts for 11.3 percent of the total barley acres planted in Montana. Haxby is a two-rowed barley developed by MSU. Yields are equal to Baronesse and Eslick and are higher than Gallatin and Valier varieties. It is medium height and maturity, and has superior performance in low moisture conditions. Haxby has high test weights in both dry land and irrigated areas.

**Champion** is the second most common Montana feed barley variety in 2013. Montana growers planted 18,500 acres, accounting for 1.9 percent of the 2013 planted acres. Champion was developed by WestBred LLC, Bozeman, Montana in 1997. It is a cross between Baronesse and Camas. It is a two-row spring barley that has a semi-erect to intermediate growth habit. Champion has fair to good resistance to lodging and shattering. It also shows strengths to neck breaking and drought.

2013 Barley Planted by Type



Data compiled and summarized by the Montana Field Office of the National Agricultural Statistics Service, an agency of USDA, as a service provided for the Montana Wheat and Barley Committee

Barley: 2013 Seeded Acreage and Percent of Total Seeded by District																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
AC Metcalfe	0.5	2.9	254.8	48.1	1.5	1.4	28.2	16.8	14.9	29.2	0.9	1.2	--	--	300.8	30.1
Haxby	10.4	57.8	31.7	6.0	7.2	6.8	48.7	29.0	2.6	5.2	8.2	10.1	3.8	8.2	112.6	11.3
Hockett	--	--	73.5	13.9	--	--	24.7	14.7	2.0	3.9	5.0	6.2	0.2	0.4	105.4	10.5
Moravian 115	--	--	37.1	7.0	1.0	0.9	--	--	5.7	11.2	34.1	42.1	0.1	0.3	78.0	7.8
Haybet	1.2	6.8	10.6	2.0	20.1	19.0	10.2	6.1	0.9	1.7	2.2	2.7	15.5	33.8	60.7	6.1
Conrad	--	--	21.7	4.1	8.2	7.7	5.0	3.0	3.4	6.7	8.0	9.9	2.6	5.6	48.9	4.9
Merit 57	--	--	29.2	5.5	--	--	4.7	2.8	1.4	2.7	0.4	0.5	--	--	35.7	3.6
Tradition	--	--	--	--	24.7	23.3	--	--	--	--	--	--	2.0	4.3	26.7	2.7
Conlon	--	--	11.1	2.1	1.0	0.9	9.7	5.8	--	--	--	--	3.3	7.2	25.1	2.5
Harrington	--	--	8.6	1.6	2.7	2.5	3.2	1.9	6.4	12.5	--	--	--	--	20.9	2.1
Champion	0.8	4.3	1.5	0.3	5.0	4.7	8.9	5.3	0.3	0.6	2.0	2.5	--	--	18.5	1.9
Hector	--	--	6.5	1.2	2.0	1.9	7.1	4.2	--	--	0.2	0.3	1.1	2.4	16.9	1.7
Hays	0.7	3.8	2.5	0.5	3.0	2.8	1.3	0.8	2.9	5.6	2.6	3.2	1.9	4.2	14.9	1.5
Lavina	1.6	8.8	1.0	0.2	2.7	2.5	0.7	0.4	0.1	0.3	0.6	0.8	3.6	7.8	10.3	1.0
Voyager	--	--	6.5	1.2	--	--	0.3	0.2	--	--	--	--	--	--	6.8	0.7
Moravian 69	--	--	2.5	0.5	--	--	--	--	0.6	1.3	3.4	4.2	--	--	6.5	0.7
CDC Copeland	--	--	3.0	0.6	0.6	0.6	--	--	1.8	3.5	1.1	1.3	--	--	6.5	0.7
Baronesse	0.3	1.5	2.0	0.4	--	--	1.3	0.8	2.5	4.8	0.1	0.2	--	--	6.2	0.6
Moravian 37	--	--	3.0	0.6	--	--	1.0	0.6	--	--	2.0	2.5	0.1	1.4	6.1	0.6
Stockford	--	--	0.5	0.1	0.5	0.5	0.3	0.2	0.9	1.7	1.4	1.8	1.4	3.0	5.0	0.5
Stark	--	--	--	--	3.5	3.3	--	--	--	--	0.7	0.9	0.8	1.7	5.0	0.5
Boulder	0.5	2.5	4.0	0.8	--	--	--	--	--	--	--	--	--	--	4.5	0.5
Horsford	--	--	1.0	0.2	2.3	2.2	0.8	0.5	0.1	0.3	0.2	0.2	0.1	0.2	4.5	0.5
Other & Unknown	2.0	11.6	17.7	3.3	20.0	19.0	11.9	6.9	4.5	8.8	7.9	9.5	9.5	19.5	73.5	7.0
<b>All Varieties</b>	<b>18.0</b>	<b>100.0</b>	<b>530.0</b>	<b>100.0</b>	<b>106.0</b>	<b>100.0</b>	<b>168.0</b>	<b>100.0</b>	<b>51.0</b>	<b>100.0</b>	<b>81.0</b>	<b>100.0</b>	<b>46.0</b>	<b>100.0</b>	<b>1,000.0</b>	<b>100.0</b>

Barley: 2012 Seeded Acreage and Percent of Total Seeded by District																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
AC Metcalfe	--	--	226.2	43.5	0.1	0.1	22.9	15.5	16.4	33.4	1.6	2.4	1.1	3.3	268.3	29.8
Hockett	--	--	124.3	23.9	--	--	12.0	8.1	2.9	5.9	1.5	2.3	--	--	140.7	15.6
Haxby	3.9	27.8	16.6	3.2	7.8	10.8	36.1	24.4	2.1	4.3	4.6	7.0	3.8	12.0	74.9	8.3
Haybet	1.7	11.9	17.2	3.3	21.1	29.3	13.2	8.9	1.5	3.0	4.9	7.6	9.4	29.3	69.0	7.7
Merit 57	--	--	37.4	7.2	--	--	5.5	3.7	3.0	6.2	0.5	.8	0.2	0.6	46.6	5.2
Moravian 115	--	--	14.6	2.8	--	--	0.9	0.6	4.0	8.1	25.5	39.2	0.2	0.6	45.2	5.0
Conlon	--	--	16.1	3.1	3.5	4.9	20.6	13.9	--	--	1.0	1.5	1.5	4.7	42.7	4.7
Conrad	--	--	19.8	3.8	5.5	7.6	5.9	4.0	0.8	1.6	5.3	8.2	0.3	0.9	37.6	4.2
Harrington	0.6	4.0	13.5	2.6	2.2	3.1	2.1	1.4	2.2	4.4	2.0	3.1	--	--	22.6	2.5
Tradition	--	--	2.1	0.4	9.8	13.6	--	--	0.4	0.9	--	--	4.9	15.3	17.2	1.9
Hays	0.6	4.0	2.6	0.5	2.0	2.8	1.2	0.8	1.7	3.4	2.9	4.5	0.4	1.1	11.4	1.3
Merit	--	--	6.2	1.2	--	--	1.6	1.1	1.3	2.6	0.3	0.5	--	--	9.4	1.0
Moravian 69	--	--	3.1	0.6	--	--	--	--	--	--	5.9	9.0	--	--	9.0	1.0
Champion	1.0	6.9	0.5	0.1	--	--	4.4	3.0	0.7	1.5	0.9	1.4	--	--	7.5	0.8
Moravian 37	--	--	5.2	1.0	--	--	1.0	0.7	--	--	0.3	0.5	--	--	6.5	0.7
Horsford	--	--	0.5	0.1	2.2	3.1	0.7	0.5	2.6	5.3	0.3	0.4	0.1	0.3	6.4	0.7
Stockford	0.5	3.8	0.5	0.1	--	--	1.0	0.7	1.8	3.7	2.0	3.1	0.1	0.1	5.9	0.7
CDC Copeland	--	--	0.5	0.1	1.1	1.5	--	--	2.9	5.9	1.2	1.9	--	--	5.7	0.6
Baronesse	1.3	9.4	1.6	0.3	--	--	0.9	0.6	1.5	3.0	--	--	0.2	0.6	5.5	0.6
Westford	0.2	1.2	0.5	0.1	0.6	0.8	3.0	2.0	--	--	--	--	1.0	3.1	5.3	0.6
Hector	--	--	0.5	0.1	1.2	1.7	1.0	0.7	--	--	1.0	1.6	--	--	3.7	0.4
Gallatin	--	--	1.0	0.2	--	--	1.3	0.9	0.5	1.0	0.8	1.2	--	--	3.6	0.4
Celebration	--	--	--	--	3.5	4.8	--	--	--	--	--	--	--	--	3.5	0.4
Other & Unknown	4.2	31.0	9.5	1.8	11.4	15.9	12.7	8.5	2.7	5.8	2.5	3.8	8.8	28.1	51.8	5.9
<b>All Varieties</b>	<b>14.0</b>	<b>100.0</b>	<b>520.0</b>	<b>100.0</b>	<b>72.0</b>	<b>100.0</b>	<b>148.0</b>	<b>100.0</b>	<b>49.0</b>	<b>100.0</b>	<b>65.0</b>	<b>100.0</b>	<b>32.0</b>	<b>100.0</b>	<b>900.0</b>	<b>100.0</b>

Barley: Percent of Total Seeded Acreage 2007-2013 & Seeded Acreage 2012-2013									
Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	2007	2008	2009	2010	2011	2012	2013	2012	2013
AC Metcalfe	19.6	23.5	23.0	29.1	33.6	29.8	30.1	268.3	300.8
Haxby	3.8	5.1	6.2	6.9	7.6	8.3	11.3	74.9	112.6
Hockett	--	--	--	5.7	8.4	15.6	10.5	140.7	105.4
Moravian 115	--	--	--	--	--	5.0	7.8	45.2	78.0
Haybet	11.8	8.8	9.8	14.8	8.2	7.7	6.1	69.0	60.7
Conrad	2.2	5.4	5.9	5.3	6.1	4.2	4.9	37.6	48.9
Merit 57	--	--	--	--	4.7	5.2	3.6	46.6	35.7
Tradition	2.0	6.0	4.4	2.6	2.0	1.9	2.7	17.2	26.7
Conlon	2.5	3.1	4.1	4.8	4.1	4.7	2.5	42.7	25.1
Harrington	23.0	19.1	16.2	7.1	4.4	2.5	2.1	22.6	20.9
Champion	--	--	--	0.4	1.0	0.8	1.9	7.5	18.5
Hector	0.8	0.4	0.8	0.7	0.7	0.4	1.7	3.7	16.9
Hays	2.4	1.9	2.2	2.4	1.6	1.3	1.5	11.4	14.9
Lavina	--	--	--	--	--	--	1.0	--	10.3
Voyager	--	--	--	--	--	--	0.7	--	6.8
Moravian 69	--	--	--	4.6	4.6	1.0	0.7	9.0	6.5
CDC Copeland	1.1	0.8	--	--	--	0.6	0.7	5.7	6.5
Baronesse	2.7	3.5	1.3	0.9	0.7	0.6	0.6	5.5	6.2
Moravian 37	3.1	3.4	5.5	0.5	1.0	0.7	0.6	6.5	6.1
Stockford	--	--	0.6	0.5	0.4	0.7	0.5	5.9	5.0
Stark	--	0.9	0.9	0.5	--	--	0.5	--	5.0
Boulder	--	--	0.7	0.5	--	--	0.5	--	4.5
Horsford	1.1	0.9	1.0	1.2	0.6	0.7	0.5	6.4	4.5
Celebration	--	--	--	--	--	0.4	--	3.5	--
Gallatin	1.6	--	1.1	0.7	0.6	0.4	--	3.6	--
Merit	6.3	4.9	3.5	3.1	2.3	1.0	--	9.4	--
Westford	1.6	0.9	0.7	1.5	0.7	0.6	--	5.3	--
Other & Unknown	14.4	11.4	12.1	6.2	6.7	5.9	7.0	51.8	73.5
<b>All Varieties</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>900.0</b>	<b>1,000.0</b>