



# Montana Barley Varieties 2012

Cooperating with the Montana Department of Agriculture  
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The total acres of barley seeded in Montana in 2012 are reported at 900,000 acres, up from 700,000 acres planted in 2011. Montana ranks second in planted barley acreage in the United States for 2012, according to the USDA National Agricultural Statistics Service, Montana Field Office. The top variety seeded in Montana for the fifth year in a row was AC Metcalfe, followed by Hockett, Haybet and Haxby.

## TOP MALTING VARIETIES

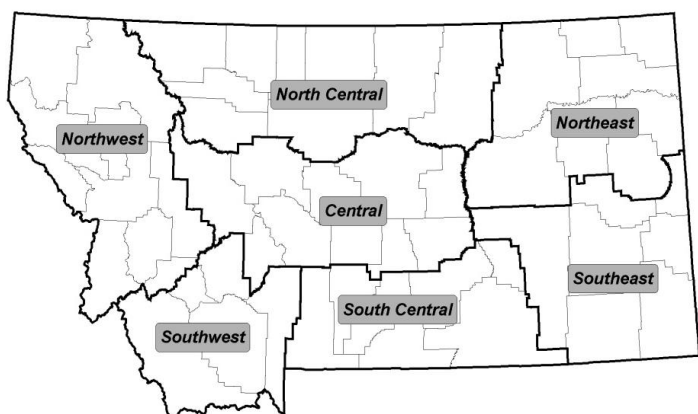
**AC Metcalfe** continues to be the leading malting barley variety for the fifth year in a row. Montana growers seeded 240,400 acres (26.7% of total acres of barley planted in Montana). AC Metcalfe is a two-row malting barley developed by Agriculture and Agri-Food Canada, located in Brandon, Manitoba. 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 2012. Montana producers planted 125,800 acres, nearly double 2011 acreage and accounting for 14.0 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 2012 crop year. A total of 48,600 acres or 5.4 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.

**Conlon** is the fourth most common malting barley variety in 2012. A total of 43,000 acres were seeded, accounting for 4.8 percent of the total acres planted. Conlon is a two rowed variety developed by the North Dakota Agricultural Experiment Station made in 1988 and released in 1996. Conlon has a medium height and slightly weaker straw than Bowman, but matures 1-2 days earlier and produces a higher test weight than Bowman. It has high resistance to net blotch, and susceptible to spot blotch and Fusarium head blight.

Montana's Agricultural Districts



## TOP FORAGE VARIETIES

**Haybet** has been the top forage barley variety seeded for the past thirteen years. Montana farmers planted 83,500 acres, accounting for 9.3 percent of the total acres seeded in 2012. 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.

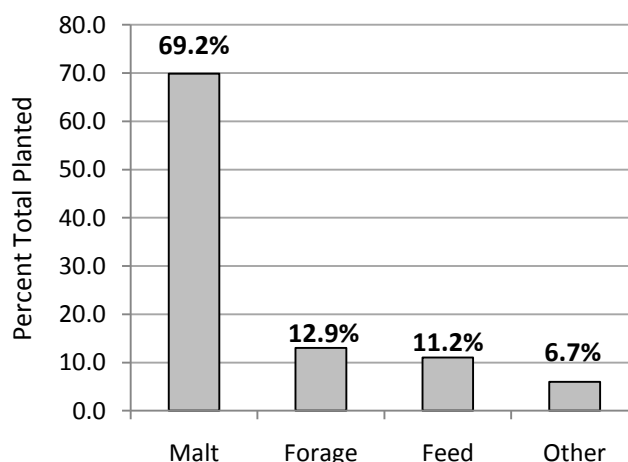
**Hays** is the second most common forage barley variety planted in 2012 with 12,800 acres or 1.4 percent of the total barley planted. It is a two-rowed hooded hay barley developed by MSU, and is a cross between Haybet and Baronesse varieties. Forage yields are similar to Haybet and higher than Westford. 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 2012 for the sixth year in a row. Producers planted 79,300 acres in 2012 up from 60,800 in 2011. This variety accounts for 8.8 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 2012. Montana growers planted 7,700 acres, accounting for 0.9 percent of the 2012 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.

2012 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: 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	--	--	200.1	43.5	0.1	0.1	22.2	15.5	14.4	33.4	1.9	2.4	1.7	3.3	240.4	26.7
Hockett	--	--	109.9	23.9	--	--	11.6	8.1	2.5	5.9	1.8	2.3	--	--	125.8	14.0
Haybet	2.0	11.9	15.2	3.3	31.4	29.3	12.7	8.9	1.3	3.0	6.0	7.6	14.9	29.3	83.5	9.3
Haxby	4.7	27.8	14.7	3.2	11.6	10.8	34.9	24.4	1.8	4.3	5.5	7.0	6.1	12.0	79.3	8.8
Moravian 115	--	--	12.9	2.8	--	--	0.9	0.6	3.5	8.1	31.0	39.2	0.3	0.6	48.6	5.4
Conlon	--	--	14.3	3.1	5.2	4.9	19.9	13.9	--	--	1.2	1.5	2.4	4.7	43.0	4.8
Merit 57	--	--	33.1	7.2	--	--	5.3	3.7	2.7	6.2	0.6	0.8	0.3	0.6	42.0	4.7
Conrad	--	--	17.5	3.8	8.1	7.6	5.7	4.0	0.7	1.6	6.5	8.2	0.5	0.9	39.0	4.3
Tradition	--	--	1.8	0.4	14.6	13.6	--	--	0.4	0.9	--	--	7.8	15.3	24.6	2.7
Harrington	0.7	4.0	12.0	2.6	3.3	3.1	2.0	1.4	1.9	4.4	2.4	3.1	--	--	22.3	2.5
Hays	0.7	4.0	2.3	0.5	3.0	2.8	1.1	0.8	1.5	3.4	3.6	4.5	0.6	1.1	12.8	1.4
Moravian 69	--	--	2.8	0.6	--	--	--	--	--	--	7.1	9.0	--	--	9.9	1.1
Merit	--	--	5.5	1.2	--	--	1.6	1.1	1.1	2.6	0.4	0.5	--	--	8.6	1.0
Champion	1.2	6.9	0.5	0.1	--	--	4.3	3.0	0.6	1.5	1.1	1.4	--	--	7.7	0.9
Horsford	--	--	0.5	0.1	3.3	3.1	0.7	0.5	2.3	5.3	0.3	0.4	0.2	0.3	7.3	0.8
Stockford	0.6	3.8	0.5	0.1	--	--	1.0	0.7	1.6	3.7	2.4	3.1	0.1	0.1	6.2	0.7
CDC Copeland	--	--	0.5	0.1	1.6	1.5	--	--	2.5	5.9	1.5	1.9	--	--	6.1	0.7
Westford	0.2	1.2	0.5	0.1	0.9	0.8	2.9	2.0	--	--	--	--	1.6	3.1	6.1	0.7
Moravian 37	--	--	4.6	1.0	--	--	1.0	0.7	--	--	0.4	0.5	--	--	6.0	0.7
Baronesse	1.6	9.4	1.4	0.3	--	--	0.9	0.6	1.3	3.0	--	--	0.3	0.6	5.5	0.6
Celebration	--	--	--	--	5.1	4.8	--	--	--	--	--	--	--	--	5.1	0.6
Hector	--	--	0.5	0.1	1.8	1.7	1.0	0.7	--	--	1.3	1.6	--	--	4.6	0.5
Gallatin	--	--	0.9	0.2	--	--	1.3	0.9	0.4	1.0	0.9	1.2	--	--	3.5	0.4
Other & Unknown	5.3	31.0	8.0	1.8	17.0	15.9	12.0	8.5	2.5	5.8	3.1	3.8	14.2	28.1	62.1	6.7
<b>All Varieties</b>	<b>17.0</b>	<b>100.0</b>	<b>460.0</b>	<b>100.0</b>	<b>107.0</b>	<b>100.0</b>	<b>143.0</b>	<b>100.0</b>	<b>43.0</b>	<b>100.0</b>	<b>79.0</b>	<b>100.0</b>	<b>51.0</b>	<b>100.0</b>	<b>900.0</b>	<b>100.0</b>

--Data not published for given year.

**Barley: 2011 Seeded Acreage and Percent of Total Seeded by Districts <sup>1/</sup>**

Variety	North Central		Northeast		Central		Southwest		South Central		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
AC Metcalfe	199.4	49.6	0.3	0.5	19.3	18.6	15.0	35.7	0.7	1.2	0.4	1.3	235.1	33.6
Hockett	47.0	11.7	--	--	8.2	7.9	1.6	3.9	1.4	2.3	0.7	2.0	58.9	8.4
Haybet	16.9	4.2	21.5	37.0	7.3	7.0	0.1	0.2	1.9	3.2	9.4	27.7	57.1	8.2
Haxby	16.9	4.2	5.9	10.2	20.9	20.1	1.1	2.7	5.0	8.4	3.1	9.2	52.9	7.6
Conrad	26.5	6.6	4.0	6.9	6.8	6.5	0.5	1.1	5.2	8.7	--	--	43.0	6.1
Merit 57	26.9	6.7	1.0	1.7	2.5	2.4	0.8	2.0	0.6	1.0	1.4	4.0	33.2	4.7
Moravian 69	0.4	0.1	--	--	--	--	0.3	0.7	28.5	47.5	2.8	8.2	32.0	4.6
Harrington	18.5	4.6	0.5	0.8	4.6	4.4	7.3	17.3	--	--	--	--	30.9	4.4
Conlon	12.5	3.1	1.7	2.9	13.6	13.1	--	--	--	--	1.0	3.0	28.8	4.1
Merit	14.1	3.5	0.1	0.1	2.2	2.1	--	--	--	--	--	--	16.4	2.3
Tradition	--	--	10.9	18.8	--	--	--	--	--	--	3.0	8.8	13.9	2.0
Hays	0.8	0.2	1.0	1.7	1.6	1.5	3.7	8.8	2.8	4.6	1.4	4.1	11.3	1.6
Moravian 37	--	--	--	--	0.6	0.6	--	--	6.5	10.8	--	--	7.1	1.0
Champion	1.6	0.4	--	--	2.8	2.7	0.7	1.7	0.3	0.5	1.3	3.7	6.7	1.0
BG 46e	6.4	1.6	--	--	--	--	--	--	--	--	--	--	6.4	0.9
Baronesse	2.0	0.5	--	--	--	--	2.4	5.7	0.2	0.4	0.5	1.5	5.1	0.7
Westford	0.8	0.2	--	--	0.5	0.5	0.6	1.5	1.0	1.7	2.1	6.2	5.0	0.7
Hector	1.2	0.3	1.5	2.5	1.1	1.1	--	--	1.2	2.0	--	--	5.0	0.7
Gallatin	2.0	0.5	--	--	1.9	1.8	0.1	0.3	--	--	0.1	0.3	4.1	0.6
Horsford	--	--	1.2	2.0	2.0	1.9	0.5	1.2	0.2	0.4	--	--	3.9	0.6
Stockford	--	--	--	--	1.5	1.4	1.0	2.3	0.4	0.7	0.2	0.5	3.1	0.4
Bowman	0.4	0.1	0.5	0.9	--	--	--	--	--	--	1.7	5.1	2.6	0.4
Lewis	--	--	1.8	3.1	--	--	--	--	--	--	--	--	1.8	0.3
Other & Unknown	7.7	1.9	6.1	10.9	6.6	6.4	6.3	14.9	4.1	6.6	4.9	14.4	35.7	5.1
<b>All Varieties</b>	<b>402.0</b>	<b>100.0</b>	<b>58.0</b>	<b>100.0</b>	<b>104.0</b>	<b>100.0</b>	<b>42.0</b>	<b>100.0</b>	<b>60.0</b>	<b>100.0</b>	<b>34.0</b>	<b>100.0</b>	<b>700.0</b>	<b>100.0</b>

<sup>1/</sup> Revised. --Data not published for given year.

**Barley: Percent of Total Seeded Acreage 2006-2012 & Seeded Acreage 2011-2012**

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	2006	2007	2008	2009	2010	2011 <sup>1/</sup>	2012	2011 <sup>1/</sup>	2012
AC Metcalfe	17.6	19.6	23.5	23.0	29.1	33.6	26.7	235.1	240.4
Hockett	--	--	--	--	5.7	8.4	14.0	58.9	125.8
Haybet	14.9	11.8	8.8	9.8	14.8	8.2	9.3	57.1	83.5
Haxby	1.6	3.8	5.1	6.2	6.9	7.6	8.8	52.9	79.3
Moravian 115	--	--	--	--	--	--	5.4	--	48.6
Conlon	1.7	2.5	3.1	4.1	4.8	4.1	4.8	28.8	43.0
Merit 57	--	--	--	--	--	--	4.7	33.2	42.0
Conrad	2.9	2.2	5.4	5.9	5.3	6.1	4.3	43.0	39.0
Tradition	3.4	2.0	6.0	4.4	2.6	2.0	2.7	13.9	24.6
Harrington	28.7	23.0	19.1	16.2	7.1	4.4	2.5	30.9	22.3
Hays	1.7	2.4	1.9	2.2	2.4	1.6	1.4	11.3	12.8
Moravian 69	--	--	--	--	4.6	4.6	1.1	32.0	9.9
Merit	4.4	6.3	4.9	3.5	3.1	2.3	1.0	16.4	8.6
Champion	--	--	--	--	0.4	1.0	0.9	6.7	7.7
Horsford	0.8	1.1	0.9	1.0	1.2	0.6	0.8	3.9	7.3
Stockford	--	--	--	0.6	0.5	0.4	0.7	3.1	6.2
CDC Copeland	--	1.1	0.8	--	--	--	0.7	--	6.1
Westford	1.9	1.6	0.9	0.7	1.5	0.7	0.7	5.0	6.1
Moravian 37	2.9	3.1	3.4	5.5	0.5	1.0	0.7	7.1	6.0
Baronesse	1.7	2.7	3.5	1.3	0.9	0.7	0.6	5.1	5.5
Celebration	--	--	--	--	--	--	0.6	--	5.1
Hector	1.4	0.8	0.4	0.8	0.7	0.7	0.5	5.0	4.6
Gallatin	1.1	1.6	--	1.1	0.7	0.6	0.4	4.1	3.5
BG 46e	--	--	--	--	--	0.9	--	6.4	--
Bowman	2.2	1.9	2.1	0.6	0.3	0.4	--	2.6	--
Lewis	0.8	1.0	0.9	0.4	--	0.3	--	1.8	--
Other & Unknown	10.3	11.5	9.3	12.7	6.9	5.1	6.7	35.7	62.1
<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>700.0</b>	<b>900.0</b>

<sup>1/</sup> Revised. --Data not published for given year.