



Montana Barley Varieties 2010

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

Released: July 9, 2010

The total acres of barley seeded in Montana in 2010 was 700,000 acres, down from the 870,000 acres planted in 2009. Montana ranks second, behind North Dakota, in total barley acreage in the United States. Sixty-three percent of the barley seeded in Montana in 2010 was varieties recommended by the American Malting Barley Association, Inc. (AMBA). The top variety seeded in Montana for the third year in a row was AC Metcalfe, followed by Haybet.

TOP MALTING VARIETIES

AC Metcalfe continues to be the leading malting barley variety planted in 2010. Montana growers seeded 200,600 acres, or 28.7 percent of the total acres of barley planted in Montana. AC Metcalfe is a two-rowed malting barley developed by Agriculture and Agri-Food Canada, located in Brandon, Manitoba. It is recommended by the AMBA, 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 spetoria.

Harrington is the second most common malting barley variety in 2010. A total of 49,000 acres were seeded, accounting for 7 percent of the total acres. Harrington has been recommended by the AMBA since 1989. It is a two-rowed malting barley variety developed by the University of Saskatchewan. It matures one day earlier than AC Metcalfe. It is susceptible to leaf diseases (net blotch, scald), stem rust, and loose smut. It has a long, rough awn and a white aleurone.

Hockett is the third leading malting barley variety planted in 2010. Montana producers planted 42,600 acres, accounting for 6.1 percent of the total barley acres planted. This variety is a two-rowed dryland malting barley variety that was developed by Montana State University (MSU) in 2008. Hockett was just added to the AMBA list of recommended malt barley varieties this year. When compared to Harrington, Hockett has a higher yield and better malt quality under dryland conditions. It is susceptible to lodging and stripe rust.

Conrad is ranked the fourth leading malting barley variety seeded for the 2010 crop year. A total of 38,700 acres or 5.5 percent of all barley is planted to the variety. This variety is a two-rowed malting barley variety that was developed by Busch Agricultural Resources and is recommended by AMBA. It has similar height and lodging resistance as B1202, and is two to three inches shorter than Harrington. The variety can be identified by having a white pearl, a long-haired rachilla, and a rough beard.

TOP FORAGE VARIETIES

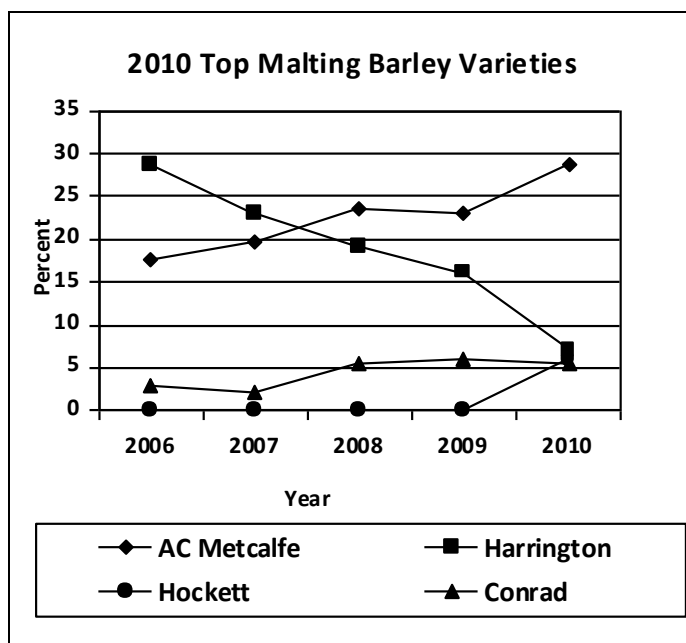
Haybet has been the top forage barley variety seeded for the past eleven years in a row. Montana farmers planted 102,800 acres, accounting for 14.7 percent of the total acres in 2010. It was developed cooperatively by the Agricultural Research Service, USDA, and the Montana Agricultural Experiment Station in 1989. It is a two-rowed, hooded, white-kerneled 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 grain yield.

Hays is the second most common forage barley variety planted in 2010 with 16,900 acres or 2.4 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 2010 for the fourth year in a row. Producers planted 45,100 acres in 2010, or 6.4 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 dryland and irrigated areas.

Baronesse has been the second most common feed barley variety for the past four years. Montana growers planted 7,200 acres, accounting for 1 percent of the 2010 planted acres. Baronesse was developed in Germany and distributed by Western Plant Breeders in the U.S. It is a two-rowed, rough-awned spring barley. It is medium-short in height and medium in maturity. Baronesse has excellent irrigated yield potential and adapts easily to dryland conditions. It is highly resistant to lodging and moderately resistant to net blotch.



Montana's Agricultural Districts



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 and the American Malting Association, Inc.

Barley: 2010 Seeded Acreage and Percent of Total Seeded by Districts																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
AC Metcalfe*	0.9	5.6	167.7	47.5	--	--	25.6	24.4	5.5	21.1	0.9	1.4	--	--	200.6	28.7
Haybet	1.1	6.9	18.4	5.2	48.8	49.8	8.3	7.9	0.2	0.7	3.4	5.2	22.6	62.9	102.8	14.7
Harrington*	--	--	33.9	9.6	1.6	1.6	10.0	9.5	3.5	13.4	--	--	--	--	49.0	7.0
Haxby	3.8	23.8	11.3	3.2	6.3	6.4	18.3	17.4	0.7	2.8	2.0	3.0	2.7	7.4	45.1	6.4
Hockett*	--	--	38.5	10.9	--	--	1.2	1.1	0.6	2.4	2.3	3.5	--	--	42.6	6.1
Conrad*	--	--	27.1	7.7	--	--	2.6	2.5	0.4	1.5	8.6	13.0	--	--	38.7	5.5
Moravian 69*	--	--	0.4	0.1	--	--	0.9	0.9	5.9	22.7	28.0	42.4	--	--	35.2	5.0
Conlon*	--	--	11.3	3.2	1.7	1.7	19.0	18.1	--	--	0.3	0.5	--	--	32.3	4.6
Merit*	--	--	15.9	4.5	--	--	3.6	3.4	--	--	1.8	2.7	--	--	21.3	3.0
Tradition*	--	--	--	--	15.6	15.9	--	--	1.5	5.6	--	--	1.6	4.4	18.7	2.7
Hays	0.4	2.5	1.4	0.4	5.3	5.4	2.5	2.4	2.1	7.9	5.0	7.6	0.2	0.6	16.9	2.4
Westford	1.4	8.8	1.1	0.3	--	--	1.1	1.0	--	--	2.0	3.0	3.1	8.5	8.7	1.2
Horsford	0.5	3.1	--	--	3.5	3.6	1.7	1.7	0.7	2.9	1.7	2.6	--	--	8.1	1.2
Baronesse	1.1	6.9	4.6	1.3	--	--	--	--	0.6	2.2	0.9	1.4	--	--	7.2	1.0
Gallatin	--	--	3.2	0.9	--	--	--	--	--	--	1.4	2.1	0.3	0.9	4.9	0.7
Hector	--	--	0.4	0.1	0.7	0.7	1.4	1.3	1.3	5.1	0.3	0.5	--	--	4.1	0.6
Stark	--	--	--	--	4.0	4.1	--	--	--	--	--	--	--	--	4.0	0.6
Westbred Xena	1.6	10.0	1.4	0.4	--	--	0.7	0.7	--	--	--	--	--	--	3.7	0.5
Moravian 37*	--	--	--	--	--	--	--	--	0.1	0.4	3.0	4.5	--	--	3.1	0.5
Stockford	0.2	1.2	0.4	0.1	--	--	0.6	0.6	1.2	4.6	0.5	0.7	--	--	2.9	0.4
Boulder	--	--	2.1	0.6	--	--	--	--	--	--	--	--	0.8	2.1	2.9	0.4
Bowman	--	--	0.7	0.2	0.7	0.7	--	--	--	--	--	--	1.2	3.4	2.6	0.4
Champion	0.2	1.2	--	--	--	--	2.2	2.1	0.1	0.6	--	--	--	--	2.5	0.4
Other & Unknown	4.8	30.0	13.2	3.8	9.8	10.1	5.3	5.1	1.6	6.1	3.9	5.9	3.5	9.8	42.1	6.0
All Varieties	16.0	100.0	353.0	100.0	98.0	100.0	105.0	100.0	26.0	100.0	66.0	100.0	36.0	100.0	700.0	100.0

*Denotes variety recommended by the American Malting Barley Association, Inc. for planting in 2010.

Barley: Percent of Total Seeded Acreage 2004-2010 & Seeded Acreage 2009-2010										
Variety	Percent of Total Seeded Acreage							Seeded Acres (000)		
	2004	2005	2006	2007	2008	2009 1/	2010	2009 1/	2010	
AC Metcalfe*	4.9	9.2	17.6	19.6	23.5	23.0	28.7	199.8	200.6	
Haybet	10.4	17.0	14.9	11.8	8.8	9.8	14.7	85.0	102.8	
Harrington*	39.8	29.4	28.7	23.0	19.1	16.2	7.0	141.0	49.0	
Haxby	--	0.6	1.6	3.8	5.1	6.2	6.4	54.4	45.1	
Hockett*	--	--	--	--	--	--	6.1	--	42.6	
Conrad*	--	1.4	2.9	2.2	5.4	5.9	5.5	51.0	38.7	
Moravian 69*	--	--	--	--	--	--	5.0	--	35.2	
Conlon*	0.9	0.7	1.7	2.5	3.1	4.1	4.6	36.2	32.3	
Merit*	4.3	4.8	4.4	6.3	4.9	3.5	3.0	30.5	21.3	
Tradition*	--	1.5	3.4	2.0	6.0	4.4	2.7	38.4	18.7	
Hays	--	0.7	1.7	2.4	1.9	2.2	2.4	19.6	16.9	
Westford	2.4	2.0	1.9	1.6	0.9	0.7	1.2	6.1	8.7	
Horsford	1.2	1.2	0.8	1.1	0.9	1.0	1.2	8.4	8.1	
Baronesse	3.9	3.8	1.7	2.7	3.5	1.3	1.0	11.4	7.2	
Gallatin	3.5	1.7	1.1	1.6	--	1.1	0.7	9.2	4.9	
Hector	2.5	2.2	1.4	0.8	0.4	0.8	0.6	6.7	4.1	
Stark	0.9	0.7	0.8	--	0.9	0.9	0.6	7.5	4.0	
Westbred Xena	0.9	2.4	0.8	1.0	0.6	--	0.5	--	3.7	
Moravian 37*	3.0	3.2	2.9	3.1	3.4	5.5	0.5	47.8	3.1	
Stockford	--	--	--	--	--	0.6	0.4	4.9	2.9	
Boulder	--	--	--	--	--	0.7	0.4	6.5	2.9	
Bowman	1.4	2.6	2.2	1.9	2.1	0.6	0.4	5.2	2.6	
Champion	--	--	--	--	--	--	0.4	--	2.5	
Lewis	1.9	0.9	0.8	1.0	0.9	0.4	--	3.8	--	
Chinook	--	--	--	--	--	1.0	--	8.6	--	
Legacy*	2.8	1.3	1.6	1.1	1.2	0.5	--	4.6	--	
Prowashanupana	--	--	0.7	--	0.9	3.2	--	27.7	--	
Other & Unknown	15.3	12.7	6.4	10.5	6.5	6.4	6.0	55.7	42.1	
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	870.0	700.0	

1/ Revised. *Denotes variety recommended by the American Malting Barley Association, Inc. for planting in 2010. --Data not published for the given year.

Barley: 2009 Seeded Acreage and Percent of Total Seeded by Districts 1/																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
AC Metcalfe*	0.7	4.5	161.8	35.1	0.6	0.6	31.6	23.1	4.4	10.6	0.3	0.4	0.4	0.9	199.8	23.0
Harrington*	0.2	1.4	120.8	26.2	1.4	1.3	6.3	4.6	10.7	26.2	1.6	2.2	--	--	141.0	16.2
Haybet	1.2	7.2	20.7	4.5	23.6	22.7	15.2	11.1	3.8	9.3	2.1	3.0	18.4	47.2	85.0	9.8
Haxby	3.6	22.7	12.9	2.8	8.1	7.8	23.7	17.3	--	--	2.7	3.7	3.4	8.7	54.4	6.2
Conrad*	2.0	12.2	35.0	7.6	--	--	3.8	2.8	--	--	10.2	14.2	--	--	51.0	5.9
Moravian 37	--	--	9.2	2.0	1.0	1.0	--	--	5.6	13.6	31.0	43.0	1.0	2.6	47.8	5.5
Tradition*	--	--	--	--	32.4	31.2	--	--	2.0	4.8	--	--	4.0	10.2	38.4	4.4
Conlon*	--	--	9.7	2.1	1.0	1.0	17.8	13.0	--	--	5.6	7.7	2.1	5.5	36.2	4.1
Merit*	--	--	20.3	4.4	--	--	7.5	5.5	--	--	2.7	3.8	--	--	30.5	3.5
Prowashanupana	--	--	27.7	6.0	--	--	--	--	--	--	--	--	--	--	27.7	3.2
Hays	0.8	5.3	4.6	1.0	5.1	4.9	3.7	2.7	0.7	1.7	4.2	5.9	0.5	1.3	19.6	2.2
Baronesse	2.8	17.3	0.5	0.1	0.2	0.2	3.2	2.3	3.3	8.1	1.4	2.0	--	--	11.4	1.3
Gallatin	1.6	9.8	3.7	0.8	--	--	2.1	1.5	0.6	1.6	0.5	0.7	0.7	1.7	9.2	1.1
Chinook	--	--	7.8	1.7	--	--	0.8	0.6	--	--	--	--	--	--	8.6	1.0
Horsford	--	--	0.5	0.1	4.4	4.2	1.6	1.2	0.5	1.1	0.7	1.0	0.7	1.8	8.4	1.0
Stark	--	--	3.2	0.7	2.6	2.5	--	--	--	--	--	--	1.7	4.4	7.5	0.9
Hector	--	--	0.9	0.2	3.6	3.5	0.4	0.3	--	--	0.5	0.6	1.3	3.4	6.7	0.8
Boulder	--	--	6.5	1.4	--	--	--	--	--	--	--	--	--	--	6.5	0.7
Westford	0.4	2.7	0.5	0.1	--	--	3.4	2.5	0.3	0.7	1.5	2.1	--	--	6.1	0.7
Bowman	--	--	3.2	0.7	1.0	1.0	--	--	--	--	0.1	0.1	0.9	2.2	5.2	0.6
Stockford	0.2	1.2	0.5	0.1	--	--	0.5	0.4	2.1	5.0	1.6	2.2	--	--	4.9	0.6
Legacy*	--	--	--	--	4.2	4.0	--	--	--	--	--	--	0.4	1.1	4.6	0.5
Lewis	--	--	2.8	0.6	0.8	0.8	--	--	0.2	0.6	--	--	--	--	3.8	0.4
Other & Unknown	2.5	15.7	8.2	1.8	14.0	13.3	15.4	11.1	6.8	16.7	5.3	7.4	3.5	9.0	55.7	6.4
All Varieties	16.0	100.0	461.0	100.0	104.0	100.0	137.0	100.0	41.0	100.0	72.0	100.0	39.0	100.0	870.0	100.0

1/ Revised. *Denotes variety recommended by the American Malt Barley Association, Inc. for planting in 2009.