

# Montana Barley Varieties 2002



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Montana farmers seeded 1.2 million acres of barley in 2002, up 100,000 acres from last year. Over 56 percent of the acres seeded to barley were malting and brewing varieties recommended by the American Malting Barley Association Inc. for use in Montana. The top variety seeded in Montana was Harrington, maintaining its position for the ninth consecutive year.

## MALTING VARIETIES

**Harrington** remained the top variety planted in the state for the ninth year in a row. It was seeded on 572.5 thousand acres or 47.7 percent of Montana's barley acreage. Harrington is the most popular variety of barley recommended by the AMBA for planting in Montana. It is a two-rowed malting barley variety developed by the University of Saskatchewan. It is two to three days earlier than Klages and has better lodging resistance. It is susceptible to leaf diseases (net blotch, scald), stem rust, and loose smut. It has a long, rough awn and a white aleurone.

**B 1202** maintained the second place malting variety position for the seventh consecutive year with 67.9 thousand acres or 5.7 percent of the barley planted. It is an AMBA approved, two-rowed spring barley. The spike is lax in density and nodding. The awn on the lemma is long and rough. Rachilla, rachis, and glume hairs are all long. The awns are equal to the length of the hair-covered glume. The hull is adhered and slightly to semi-wrinkled and the aleurone is colorless. B 1202 is moderately susceptible to net blotch, scald and stripe rust.

**Moravian 37** is ranked third among malting barley varieties for the second year in a row with a significant increase in seeded acreage to 54.1 thousand, or 4.5 percent of the state's acreage. This variety is a two-rowed spring malt barley released by Coors Brewing Company. Moravian 37 has slightly higher yield and test weight than Galena. Height and straw strength are similar to Galena. Heading date is earlier than Galena.

**B Merit** rounds out the top four malting varieties again in 2002, with 31.6 thousand acres, or 2.6 percent of seeded acreage. B Merit is a two-rowed, mid-maturing, mid-dense head barley adapted to the InterMountain West barley producing region. Glume hair is long and confined to a band. Seed is covered, finely wrinkled with wax present and the aleurone is colorless. It is resistant to net blotch and moderately resistant to scald. B Merit is a spring barley bred and developed by Busch Agricultural Resources, Inc, and was recommended by the AMBA in 2002 for use in Montana.

## FEED VARIETIES

**Haybet** remained in the lead position for feed barley for the third year in a row, with almost 129 thousand acres planted this year, which accounted for 10.7 percent of the total barley acres seeded in Montana for 2002. This is 16.2 thousand more acres than the 112.6 thousand acres planted in 2001. Haybet was developed cooperatively by the Agricultural Research Service, United States Department of Agriculture (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.

**Baronesse** was the second most popular feed barley again in 2002. It represents 3.6 percent of the total acreage or 42.9 thousand acres for feed barley seeded in Montana for 2002. This is down from the 55 thousand acres planted last year. Developed in Germany, it is a two-rowed, rough awned spring barley. Baronesse is medium-short in height and medium in maturity. It has excellent irrigated yield potential and is highly resistant to lodging and moderately resistant to net blotch.

**Hector** became the third place choice for feed barley this year with 37.9 thousand acres seeded or 3.2 percent of the barley acreage state-wide. This is compared to the 30.2 thousand acres planted in 2001. Originally released in Canada, Hector has a rough awn, yellow aleurone, and a horseshoe depression tending to crease. It has a mid-sized to small kernel and the rachilla is mid to long with long hairs. It has been recommended as a dryland feed barley by the Montana Agricultural Experiment Station.

**Bowman** is the fourth leading feed-type variety this year with 37.7 thousand acres or 3.1 percent of the state-wide barley acres seeded in 2002. This is compared to the 23.6 thousand acres planted in 2001. Released in 1984 by the North Dakota Agriculture Experiment Station, Bowman is a non-malting two-row barley that has a high drought tolerance and high test weight.

This Barley Variety Survey was funded by the Montana Wheat & Barley Committee and the American Malting Barley Association, Inc. Statements concerning variety characteristics are primarily derived from information published by Montana State University and the University of Idaho.

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**Barley: Seeded Acreage and Percent of Total Seeded by Districts - 2002 1/**

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington *	1.8	10.7	406.9	66.7	41.0	27.3	80.8	35.9	22.5	56.2	16.8	16.8	2.7	4.6	572.5	47.7
Haybet	1.9	11.1	30.5	5.0	32.0	21.3	24.3	10.8	2.0	5.0	14.1	14.1	24.0	41.3	128.8	10.7
B 1202 *	0.0	0.0	38.4	6.3	0.9	0.6	11.5	5.1	0.0	0.0	17.1	17.1	0.0	0.0	67.9	5.7
Moravian 37	0.0	0.0	28.7	4.7	3.3	2.2	0.0	0.0	0.0	0.0	21.5	21.5	0.6	1.1	54.1	4.5
Baronesse	2.5	14.9	15.9	2.6	0.3	0.2	19.4	8.6	3.0	7.6	1.3	1.3	0.5	0.9	42.9	3.6
Hector	0.0	0.0	0.0	0.0	7.2	4.8	19.4	8.6	0.0	0.0	2.1	2.1	9.2	15.8	37.9	3.2
Bowman	0.0	0.0	19.5	3.2	11.9	7.9	1.1	0.5	0.0	0.0	1.3	1.3	3.9	6.7	37.7	3.1
Westford	3.3	19.6	1.8	0.3	2.7	1.8	14.6	6.5	4.9	12.2	3.5	3.5	3.5	6.1	34.3	2.9
B Merit *	0.0	0.0	23.8	3.9	0.0	0.0	3.6	1.6	0.2	0.6	4.0	4.0	0.0	0.0	31.6	2.6
Gallatin	0.3	1.8	6.1	1.0	4.5	3.0	6.8	3.0	1.3	3.2	1.2	1.2	1.8	3.1	22.0	1.8
Horsford	0.0	0.0	7.3	1.2	1.4	0.9	5.0	2.2	1.1	2.7	4.5	4.5	0.4	0.7	19.7	1.6
Lewis	0.0	0.0	5.5	0.9	8.0	5.3	3.8	1.7	0.2	0.5	0.0	0.0	1.8	3.1	19.3	1.6
Stark	0.0	0.0	6.1	1.0	8.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	14.3	1.2
Piroline	0.0	0.0	6.7	1.1	0.0	0.0	6.3	2.8	0.0	0.0	0.4	0.4	0.5	0.9	13.9	1.2
Valier	1.4	8.0	4.3	0.7	4.2	2.8	2.7	1.2	0.0	0.0	0.2	0.2	0.0	0.0	12.8	1.1
B 2601	0.0	0.0	0.0	0.0	0.0	0.0	11.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	11.9	1.0
Legacy *	0.0	0.0	3.1	0.5	2.0	1.3	1.1	0.5	0.0	0.0	0.0	0.0	1.0	1.8	7.2	0.6
Menuet	4.3	25.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.3	5.7	0.5
Robust	0.0	0.0	0.0	0.0	5.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	5.4	0.5
Chinook	0.0	0.0	0.0	0.0	0.8	0.5	4.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.4
Clark	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	0.0	0.0	4.0	4.0	0.0	0.0	5.1	0.4
Other & Unknown	1.5	8.8	4.8	0.8	16.5	11.3	7.1	3.2	4.8	12.0	8.0	8.0	7.0	12.0	49.7	4.1
<b>All Varieties</b>	<b>17.0</b>	<b>100.0</b>	<b>610.0</b>	<b>100.0</b>	<b>150.0</b>	<b>100.0</b>	<b>225.0</b>	<b>100.0</b>	<b>40.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>58.0</b>	<b>100.0</b>	<b>1,200.0</b>	<b>100.0</b>

\*Denotes variety recommended by the American Malting Barley Association for planting in Montana in 2002.  
1/ Columns may not sum to all varieties due to rounding.

**Barley: Percent of Total Seeded Acreage 1996-2002 & Seeded Acreage 2001-2002 1/**

Variety	1996	1997	1998	1999	2000	2001 2/	2002	Seeded Acres (000)	
								2001 2/	2002
Harrington *	32.6	33.4	42.1	49.6	49.9	45.7	47.7	502.5	572.5
Haybet	1.4	2.1	3.0	4.5	6.5	10.2	10.7	110.8	128.8
B 1202 *	5.4	5.1	4.7	5.2	5.4	5.6	5.7	62.1	67.9
Moravian 37	--	--	--	0.1	1.5	3.8	4.5	42.0	54.1
Baronesse	12.2	15.6	12.1	7.6	6.2	5.0	3.6	55.0	42.9
Hector	10.2	8.8	6.8	4.9	3.7	2.7	3.2	30.2	37.9
Bowman	6.0	4.7	3.1	2.7	2.8	2.1	3.1	23.6	37.7
Westford	--	--	--	0.1	1.2	2.7	2.9	29.3	34.3
B Merit *	0.0	0.0	0.3	1.2	1.6	1.1	2.6	12.5	31.6
Gallatin	5.7	5.8	4.6	4.0	2.2	3.3	1.8	35.9	22.0
Horsford	2.3	1.7	2.1	1.7	2.4	1.3	1.6	14.2	19.7
Lewis	2.4	1.5	2.1	2.3	1.5	1.5	1.6	16.1	19.3
Stark	0.7	0.8	0.9	1.9	0.9	0.8	1.2	8.7	14.3
Piroline	3.0	3.4	2.2	1.9	1.1	1.2	1.2	12.9	13.9
Valier	--	--	--	--	0.1	0.6	1.1	6.5	12.8
B 2601	1.3	1.8	0.8	1.0	1.0	0.8	1.0	8.9	11.9
Legacy *	--	--	--	--	--	--	0.6	--	7.2
Menuet	1.1	0.7	0.9	0.6	0.8	0.4	0.5	4.8	5.7
Robust	--	--	--	--	0.2	0.7	0.5	7.3	5.4
Chinook	--	--	--	--	--	--	0.4	--	5.3
Clark	--	--	--	--	--	--	0.4	--	5.1
Other & Unknown	15.7	14.6	14.3	10.7	11.0	10.5	4.1	116.7	49.7
<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>1,100.0</b>	<b>1,200.0</b>

\*Denotes variety recommended by the American Malting Barley Association for planting in Montana in 2002.  
1/ Columns may not sum to all varieties due to rounding. 2/ Revised.

**Barley: Seeded Acreage and Percent of Total Seeded by Districts - 2001 Revised 1/**

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington *	1.2	6.1	356.4	64.1	15.4	12.4	90.7	42.8	19.3	40.2	16.4	18.4	3.1	6.0	502.5	45.7
Haybet	3.3	16.4	21.1	3.8	37.6	30.3	15.5	7.3	1.7	3.6	9.5	10.7	22.1	43.3	110.8	10.2
B 1202 *	0.0	0.0	35.0	6.3	0.2	0.2	15.3	7.2	0.0	0.0	11.6	13.0	0.0	0.0	62.1	5.6
Baronesse	6.0	30.1	17.2	3.1	6.2	5.0	11.7	5.5	8.3	17.2	5.1	5.7	0.5	0.9	55.0	5.0
Moravian 37	0.0	0.0	22.2	4.0	1.6	1.3	0.0	0.0	0.0	0.0	18.2	20.4	0.0	0.0	42.0	3.8
Gallatin	1.1	5.7	1.1	0.2	2.1	1.7	15.1	7.1	4.8	10.0	8.8	9.9	2.9	5.7	35.9	3.3
Westford	2.4	12.2	2.2	0.4	3.8	3.1	9.5	4.5	8.1	16.8	2.8	3.2	0.5	0.9	29.3	2.7
Hector	0.0	0.0	1.1	0.2	7.8	6.3	14.6	6.9	0.2	0.4	1.6	1.8	4.9	9.7	30.2	2.7
Bowman	0.0	0.0	12.2	2.2	5.8	4.7	0.2	0.1	0.0	0.0	3.8	4.3	1.6	3.2	23.6	2.1
Lewis	0.5	2.5	3.9	0.7	4.8	3.9	3.4	1.6	1.1	2.2	0.0	0.0	2.4	4.7	16.1	1.5
Horsford	0.4	2.2	1.7	0.3	2.6	2.1	6.1	2.9	0.0	0.0	2.0	2.2	1.4	2.8	14.2	1.3
Piroline	0.0	0.0	6.7	1.2	0.5	0.4	4.0	1.9	0.0	0.0	1.1	1.2	0.6	1.2	12.9	1.2
B Merit *	0.0	0.0	8.3	1.5	0.0	0.0	2.3	1.1	0.8	1.6	1.1	1.2	0.0	0.0	12.5	1.1
Dolly	0.0	0.0	9.5	1.7	0.0	0.0	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	1.1
Garnet	0.0	0.0	10.0	1.8	0.0	0.0	0.0	0.0	0.8	1.6	0.0	0.0	0.0	0.0	10.8	1.0
Stark	0.0	0.0	0.0	0.0	6.9	5.6	0.0	0.0	0.0	0.0	0.4	0.4	1.4	2.8	8.7	0.8
B 2601 *	0.0	0.0	8.3	1.5	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.8
Foster *	0.0	0.0	8.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.8
Robust	0.0	0.0	0.0	0.0	7.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.7
Valier	0.2	0.8	1.1	0.2	2.6	2.1	2.1	1.0	0.0	0.0	0.4	0.4	0.1	0.1	6.5	0.6
Menuet	3.3	16.3	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	4.8	0.4
Other & Unknown	1.6	7.7	28.0	5.0	18.8	15.0	18.8	8.8	2.9	6.4	5.8	6.8	9.5	18.7	85.4	7.7
<b>All Varieties</b>	<b>20.0</b>	<b>100.0</b>	<b>556.0</b>	<b>100.0</b>	<b>124.0</b>	<b>100.0</b>	<b>212.0</b>	<b>100.0</b>	<b>48.0</b>	<b>100.0</b>	<b>89.0</b>	<b>100.0</b>	<b>51.0</b>	<b>100.0</b>	<b>1,100.0</b>	<b>100.0</b>

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