

TABLE: 2017 Barley variety trial, Highwood, Montana.

	Variety/Pedigree	Year of Release	Source	Type	Yield (bu/ac)		Test Weigl (lb/bu)	Protein (%)	Plump (%)	Gross Return (\$/ac)
					2017	2016				
+	Balster	-	-	-	18.2	-	18.4	5.4	14.6	59.40
+	Bill Coors 100	-	-	-	37.2	-	53.8	16.4	72.0	153.70
	Champion	2007	Westbred, LLC	F	28.2	38.5	18.1	4.6	23.3	90.70
+	Claymore	-	-	-	22.8	-	53.5	16.6	73.8	92.50
	Conrad	2007	MAES	M/F	21.4	36.3	36.1	17.0	81.8	75.10
+	Copeland	-	-	-	30.9	-	53.9	16.5	69.7	127.30
+	Eslick	2003	MAES	F	19.8	-	36.6	11.3	57.4	73.70
+	Genie	-	-	-	21.2	-	35.5	11.5	51.1	74.20
+	Growler	-	-	-	19.1	-	54.6	17.4	76.0	78.60
	Haxby	2003	MAES	F	24.3	38.6	35.8	10.7	51.4	81.50
	Haybet	1989	MAES/USDA	F	21.5	32.3	35.6	11.5	45.4	70.30
	Hays	2003	MAES	F	42.5	40.9	55.4	16.0	60.7	174.70
	Hockett	2008	MAES	M/F	16.2	42.1	53.7	18.1	71.4	65.30
	Lavina	1989	MAES/USDA	F	23.5	37.6	35.8	11.0	45.1	81.80
+	Merit	-	-	-	29.5	-	36.6	11.0	57.4	117.70
+	Metcalfe	-	Canada	M/F	31.9	31.0	36.8	10.8	57.0	113.80
+	Moravian 165	-	-	-	29.2	31.7	54.3	16.3	72.5	122.40
+	Odyssey	-	-	-	14.6	-	57.8	17.3	61.9	63.60
+	Oreana	-	-	-	23.3	-	53.4	16.0	78.0	93.80
+	Synergy	-	-	-	29.6	-	36.6	10.4	45.8	114.20
	Average				28.4	34.6	54.4	16.7	73.8	116.60
	C.V. (%)				55.1	16.6	3.1	7.8	16.1	55.7
	LSD (0.05)				N.S	N.S.	N.S	N.S.	N.S.	N.S.
	P-value				0.8010		0.4360	0.8560	0.6307	0.8026

+ = new for 2017

Bolded and underlined values are the highest mean. Bolded values are not different from the highest value based on the Least Significant Difference (LSD) test.

Note: Study averages include experimental lines not listed here.

Type: M/F = Malt/Forage

N.S. = Not Significant