

TABLE: 2017 Barley variety trial, Denton, Montana.

Variety/Pedigree	Year of Release	Source	Type	Yield (bu/ac) 2017	Test Weight (lb/bu)	Protein (%)	Plump (%)	Gross Return (\$/ac)
+ Balster	-	-	-	27.5	48.2	18.8	12.3	99.60
+ Bill Coors 100	-	-	-	19.4	45.9	20.3	11.9	66.90
Champion	2007	Westbred, LLC	F	<u>32.6</u>	49.9	17.4	3.6	<u>121.90</u>
+ Claymore	-	-	-	29.7	48.8	17.5	12.1	108.70
Conrad	2007	MAES	M/F	30.1	49.3	19.1	15.2	111.10
+ Copeland	-	-	-	19.4	47.2	19.7	18.0	68.60
+ Eslick	2003	MAES	F	26.5	46.2	18.7	0.7	91.90
+ Genie	-	-	-	25.0	48.5	18.8	6.3	91.20
+ Growler	-	-	-	27.2	48.2	19.8	14.9	98.30
Haxby	2003	MAES	F	31.9	50.5	17.2	3.5	120.70
Haybet	1989	MAES/USDA	F	29.1	48.9	19.5	0.4	106.60
Hays	2003	MAES	F	26.0	46.2	18.8	5.1	90.00
Hockett	2008	MAES	M/F	30.6	50.4	17.2	15.9	115.40
Lavina	1989	MAES/USDA	F	27.5	46.0	19.1	1.0	94.70
+ Merit	-	-	-	22.9	<u>51.6</u>	19.3	11.8	88.60
+ Metcalfe	-	-	-	31.6	49.6	18.7	10.6	117.80
+ Moravian165	-	-	-	25.7	47.2	19.5	9.9	90.90
+ Odyssey	-	-	-	30.1	48.6	18.1	17.5	109.90
+ Oreana	-	-	-	26.6	48.9	18.7	9.3	97.50
+ Synergy	-	-	-	28.5	48.2	17.4	15.8	103.00
Average				27.8	48.9	18.4	10.7	102.10
C.V. (%)				13.3	1.8	3.9	31.7	13.6
LSD (0.05)				6.1	1.4	1.2	N.S.	22.8
P-value				<0.001	<0.0001	<0.0001	<0.0001	<0.0001

+ = 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