

Table: 2017 Winter wheat variety trial, Highwood, Montana.

Variety/Pedigree	Year of Release	Source	Yield (bu/ac)		Test Weight (lb/bu)	Protein %	Gross Return (\$/ac)
			2017	2016			
Alum	2014	WSU	<b>37.7</b>	<b><u>46.4</u></b>	59.1	15.0	231.80
Camaro		Meridian Seeds	17.1		57.2	<b><u>17.2</u></b>	109.20
Cheville		Meridian Seeds	18.6		56.4	15.3	117.80
Brennan	2009	Syngenta/AgriPro	27.6	27.6	<b><u>61.4</u></b>	16.2	169.90
Choteau	2003	MAES	<b>37.7</b>	35.1	59.7	16.0	231.50
Corbin	2006	Westbred, LLC	28.6	35	<b>60.3</b>	14.8	175.90
Duclair	2011	MAES	32.0	37.2	58.1	15.6	202.00
Egan	2013	Westbred, LLC	<b>37.5</b>	42.2	57.5	16.5	231.60
Fortuna	1966	MAES/NDSU	30.1	28.7	59.1	15.3	185.20
+ Lanning			<b><u>40.3</u></b>		59.4	15.1	247.50
+ LCS Pro			31.2		59.0	15.5	197.50
+ NS Presser CL+			<b>34.7</b>		57.5	15.2	220.60
Oneal	2008	Westbred, LLC	<b>38.9</b>	30.4	59.8	14.6	238.80
+ Reeder	1999	NDSU	<b>37.0</b>	37.8	58.8	16.1	228.30
+ Sy Ingmar		Syngenta/AgriPro	<b>37.8</b>		<b>60.6</b>	15.6	232.90
Sy Soren	2011	Syngenta/AgriPro	<b>34.2</b>	29.3	59.2	15.6	210.60
Vida	2005	MAES	<b>34.9</b>	33.9	59.9	15.0	228.00
WB Gunnison		Westbred, LLC	29.7	29.5	<b>60.3</b>	14.5	185.00
Average			32.5	32.4	59.2	15.6	202.2
C.V. (%)			13.1	9.3	1.5	1.8	13.7
LSD (0.05)			7.0	4.9	1.5	0.5	N.S.
P-value			<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.

Note: Yellowstone plots, for 2017, were planted with varying amounts of 'Warhorse' seed depending on location.

N.S. = Not Significant