

TABLE: 2017 Spring wheat variety trial, Highwood, Montana.

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