

Table: 2018 Winter wheat variety trial, Highwood, Montana.

Variety/Pedigree	Year of Release	Source	Height (in)	Grain Yield (bu/ac)		Test Weight (lb/bu)	Protein (%)	Gross Return (\$/ac)
				2018	2017			
Brawl CLP	2011	Colorado Research Foundation	21.1	21.5	35.6	63.7	<u>15.4</u>	115.84
Decade	2010	MAES/NDSU	27.2	45.2	64.2	63.5	14.1	216.87
+ FourOsix	2018	MAES	24.3	38.9	-	63.5	13.6	179.72
Judee	2011	MAES	25.3	<u>50.8</u>	56.5	64.4	13.8	244.79
Keldin	2011	Seed Linc./Westbred LLC	24.5	32.6	55.4	63.1	14.9	145.03
+ LCS Jet	2015	Limagrain Cereal Seeds	22.2	39.4	-	61.3	13.4	185.64
Loma	2016	MAES	22.2	36.6	60.9	63.0	14.6	183.19
Northern	2015	MAES	22.5	33.8	60.5	63.5	14.8	166.58
+ Ray	2018	MAES	<u>28.8</u>	31.1	-	62.5	13.9	150.60
SY Clearstone 2CL	2012	Syngenta	27.2	45.9	<u>67.6</u>	63.0	12.9	219.25
SY Monument	2015	Syngenta	24.4	46.4	65.0	63.6	12.8	237.68
SY Wolf	2010	AgriPro/Syngenta	22.7	29.8	60.4	63.7	14.8	134.70
Warhorse	2013	MAES	25.6	43.3	51.2	63.1	14.1	203.85
Yellowstone	2005	MAES	24.8	35.2	53.2	63.1	14.3	159.84
Average			24.2	36.4	57.2	63.2	14.0	174.20
CV%			5.2	13.3	8.4	0.4	3.6	80.2
LSD (0.05)			2.2	8.8	8.9	0.5	0.9	51.1
P-value			<.0001	<.0001	<0.0001	<.0001	<.0001	<.0001

+ = New for 2018

*Gross returns calculated based on protein premiums/dockages as of September 2018, United Grains Elevator, Highwood, MT.

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.

N.S. = Not Significant