

Table: 2018 Winter wheat variety trial, Belt, 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	28.3	57.4	60.0	62.1	13.6	285.74
Decade	2010	MAES/NDSU	32.7	73.5	49.5	61.9	12.5	342.32
+ FourOsix	2018	MAES	30.7	71.4	-	61.7	12.0	303.89
Judee	2011	MAES	32.7	70.2	47.0	<u>62.2</u>	12.7	322.39
Keldin	2011	Seed Linc./Westbred LLC	30.4	72.7	50.6	60.8	13.3	352.17
+ LCS Jet	2015	Limagrain Cereal Seeds	27.7	69.6	-	58.2	11.8	330.62
Loma	2016	MAES	29.9	80.3	45.4	61.6	11.8	363.03
Northern	2015	MAES	31.9	70.3	51.6	61.1	12.8	337.79
+ Ray	2018	MAES	<u>35.3</u>	65.6	-	59.5	11.8	324.12
SY Clearstone 2CL	2012	Syngenta	34.9	73.5	56.4	60.8	11.5	342.05
SY Monument	2015	Syngenta	29.8	79.1	50.5	60.5	11.8	<u>380.92</u>
SY Wolf	2010	AgriPro/Syngenta	27.1	68.4	52.7	62.0	12.8	323.14
Warhorse	2013	MAES	32.8	73.7	45.0	61.4	12.9	357.72
Yellowstone	2005	MAES	32.5	68.7	53.7	60.9	11.7	304.58
Average			31.7	70.9	51.1	61.2	12.2	333.27
CV%			5.5	6.9	55.0	0.7	2.3	50.9
LSD (0.05)			3.0	9.0	N.S.	0.8	0.5	61.7
P-value			<.0001	0.0015	0.0840	<.0001	<.0001	0.4000

+ = New for 2018

*Gross returns calculated based on protein premiums\dockages as of September 2018, United Grains Elevator, Belt, 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