

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

Variety/Pedigree	Year of Release	Source	Grain Yield (bu/ac)		Test Weight	Protein	Gross Return
			2017	2016	(lb/bu)	(%)	(\$/ac)
Bearpaw	2011	MAES	83.0	76.9	63.6	10.8	350.50
+ Brawl CLP	2017	Colorado Research Foundation, 2011	83.8	-	<u>64.7</u>	12.3	373.20
CDC Falcon	1999	WPB/SK	78.1	77.5	62.0	12.2	342.60
Decade	2010	MAES/NDSU	82.9	71.8	63.4	11.8	350.00
Judee	2011	MAES	71.1	71.6	62.2	11.6	301.70
Keldin	2011	Seed Linc./Westbred LLC	90.4	<u>101.1</u>	63.2	10.4	372.90
Loma	2016	MAES	75.0	77.3	62.2	11.3	315.90
Northern	2015	MAES	84.0	90.1	62.6	11.7	354.00
SY Clearstone 2CL	2012	Syngenta	82.2	92.7	61.3	10.9	343.10
+ SY Monument	2017	Syngenta, 2015	88.1	-	62.0	10.5	362.10
SY Wolf	2010	AgriPro/Syngenta	<u>93.6</u>	94.0	64.2	11.2	384.70
Warhorse	2013	MAES	72.0	80.6	62.7	<u>12.4</u>	323.00
WB-Quake	2011	WestBred LLC	73.0	73.7	63.2	11.0	302.90
Yellowstone	2005	MAES	85.1	89.8	61.9	11.2	359.40
Average			82.1	85.4	62.6	11.4	328.60
C.V. (%)			5.6	3.8	1.0	4.2	9.5
LSD (0.05)			7.6	6.0	1.1	0.8	N.S.
P-value			<0.0001	-	<0.0001	<0.0001	<0.001

+ = New for 2017

*Gross returns calculated based on protein premiums\dockages as of September 2017, United Grains Elevator, Moccasin, 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. Trial seeded 9/30/16 and harvested 7/26/17.

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

N.S. = Not Significant