

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

Variety/Pedigree	Year of Release	Source	Heading Date		Height (in)	Grain Yield (bu/ac)		Test Weight (lb/bu)	Protein (%)	Gross Return (\$/ac)
			cal	jul		2018	2017			
Brawl CLP	2011	Colorado Research Foundation	9-Jun	<u>161</u>	26.0	59.1	61.4	<u>64.2</u>	<u>13.6</u>	268.72
Decade	2010	MAES/NDSU	14-Jun	165	31.0	59.3	58.2	62.5	13.0	268.78
+ FourOsix	2018	MAES	14-Jun	165	29.0	70.0	-	63.7	12.6	<u>317.27</u>
Judee	2011	MAES	15-Jun	166	29.7	57.9	59.7	63.9	12.7	262.11
Keldin	2011	Seed Linc./Westbred LLC	16-Jun	167	28.7	66.3	<u>71.5</u>	63.2	12.1	298.95
+ LCS Jet	2015	Limagrain Cereal Seeds	20-Jun	171	26.0	70.7	-	59.5	11.2	307.00
Loma	2016	MAES	20-Jun	171	27.7	68.0	55.7	62.4	11.8	300.74
Northern	2015	MAES	20-Jun	171	29.7	66.5	60.5	62.8	12.2	297.85
+ Ray	2018	MAES	21-Jun	172	<u>37.3</u>	<u>78.9</u>	-	59.7	11.6	299.92
SY Clearstone 2CL	2012	Syngenta	20-Jun	171	32.0	67.8	68.5	62.0	11.6	299.52
SY Monument	2015	Syngenta	13-Jun	164	28.3	71.5	61.6	63.0	11.7	315.82
SY Wolf	2010	AgriPro/Syngenta	11-Jun	162	26.3	61.7	63.3	64.0	12.7	279.66
Warhorse	2013	MAES	16-Jun	168	28.3	60.6	57.8	62.5	12.6	274.57
Yellowstone	2005	MAES	18-Jun	169	31.7	68.7	63.1	62.3	11.7	303.44
Average			14-Jun	166	29.3	65.5	60.3	62.8	12.2	292.00
CV%			0.0	1.3	4.6	10.4	10.0	0.8	4.6	10.1
LSD (0.05)			3.5	3.5	2.2	11.1	9.9	0.8	0.9	47.8
P-value			<.0001	<.0001	<.0001	0.0006	0.1119	<.0001	<.0001	0.002

+ = New for 2018

*Gross returns calculated based on protein premiums\dockages as of September 2018, 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.

N.S. = Not Significant