

2019 winter wheat variety trial, Belt, Montana

Variety/Pedigree	Year of Release	Source	Height (in)	Sawfly cutting (%)	Test Weight (lb/bu)	Protein (%)	Gross Return (\$/ac)	Grain Yield (bu/ac)			
								2017	2018	2019	3 yr avg
+ AAC Wildfire	2011	Montana	29.7	3.3	63.2	9.5	331.3			72.9	
Brawl CLP	2012	Montana/Syngenta	26.1	10.0	62.5	9.4	288.8	60.0	57.4	62.2	59.9
+ Byrd CL Plus	2015	Alberta: SECAN	29.6	13.3	62.7	9.6	421.2			89.6	
Decade	2019	Montana	29.9	3.3	63.2	9.6	308.2	49.5	73.5	68.2	63.7
FourOsix	2015	Montana	26.5	20.0	62.8	9.3	310.5		71.4	64.0	
Judee	2011	Westbred	28.4	3.3	64.0	9.5	313.9	47.0	70.2	70.9	62.7
Keldin	2005	Montana	27.2	20.0	62.6	9.5	269.5	50.6	72.7	57.7	60.3
LCS Jet	2016	Montana	23.6	16.7	59.6	9.5	322.9		69.6	68.7	
Loma	2010	Montana/North Dakota	26.6	3.3	63.8	9.6	329.9	45.4	80.3	74.3	66.7
MT1564 (Flathead)	2015	Syngenta	28.5	20.0	63.0	9.7	273.0			62.2	
MTS1588 (Bobcat)	2018	Plainsgold/Col. Wheat Res Fdn	27.4	0.0	63.6	9.5	339.5			75.3	
Northern	2018	Montana (MT1465)	27.9	20.0	63.8	9.5	327.0	51.6	70.3	73.1	65.0
Ray	2018	Montana (MTF1432)	32.8	33.3	62.4	9.2	281.8		65.6	62.6	
SY Clearstone 2CL	2019	Montana	29.9	30.0	62.2	9.5	301.7	56.4	73.5	64.5	64.8
SY Monument	2011	Colorado Research Foundation	25.7	10.0	62.1	9.4	352.7	50.5	79.1	76.2	68.6
Warhorse	1013	Montana	26.8	0.0	63.9	9.4	282.6	45.0	73.4	61.8	60.1
Yellowstone	2015	Limagrain Cereal Seeds	29.6	26.7	62.6	9.7	308.8	53.7	68.7	68.8	63.7
Average			28.1	13.3	63.0	9.5	321.2	51.1	70.9	70.8	
LSD (0.05)			2.7	9.0	1.0	0.6	87.4	N.S.	6.9	15.3	
CV (%)			5.4	41.2	0.9	3.5	16.6	55.0	9.0	12.3	
P-value			<0.0001	<0.0001	<0.0001	0.7050	0.1980	0.0840	0.0015	0.0239	

+ = New for 2019

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