

2019 winter wheat variety trial, Denton, Montana

Variety/Pedigree	Year of Release	Source	Height (in)	Test Weight (lb/bu)	Protein (%)	Gross Return (\$/ac)	Grain Yield (bu/ac)			3 yr avg
							2017	2018	2019	
+ AAC Wildfire	2015	Alberta: SECAN	32.2	58.5	13.0	279.0			59.4	
Brawl CLP	2011	Colorado Research Foundation	25.2	61.8	13.0	276.1	49.0	54.7	56.1	53.3
+ Byrd CL Plus	2018	Plainsgold/Col. Wheat Res Fdn	30.5	59.6	11.7	307.8			65.9	
Decade	2010	Montana/North Dakota	31.1	59.7	12.9	320.9	41.9	58.2	67.4	55.8
FourOsix	2018	Montana (MT1465)	27.7	59.0	12.4	326.1		50.6	69.1	
Judee	2011	Montana	29.4	60.1	13.1	286.7	37.3	51.6	56.5	48.5
Keldin	2011	Westbred	30.2	60.4	12.8	332.9	46.0	30.4	70.1	48.8
LCS Jet	2015	Limagrain Cereal Seeds	26.7	57.1	11.2	284.9		58.9	66.5	
Loma	2016	Montana	26.9	60.0	10.6	242.0	22.1	56.2	61.6	46.6
MT1564 (Flathead)	2019	Montana	27.9	60.6	11.7	249.4			54.2	
MTS1588 (Bobcat)	2019	Montana	26.4	60.9	11.1	256.5			60.8	
Northern	2015	Montana	28.7	61.0	11.1	269.3	37.3	53.0	67.2	52.5
Ray	2018	Montana (MTF1432)	35.6	58.8	11.6	261.4		48.6	58.2	
SY Clearstone 2CL	2012	Montana/Syngenta	32.9	59.2	11.9	280.8	40.3	61.2	59.7	53.7
SY Monument	2015	Syngenta	27.6	59.6	11.1	265.2	36.1	53.3	60.1	49.8
Warhorse	1013	Montana	27.9	60.5	11.7	276.0	34.3	54.8	61.8	50.3
Yellowstone	2005	Montana	31.4	60.2	10.5	227.3	40.3	51.8	59.4	50.5
Average			29.2	60.1	11.8	282.0	39.2	53.7	62.3	
LSD (0.05)			1.6	1.3	1.6	57.8	8.2	22.5	7.5	
CV (%)			2.9	1.2	8.3	12.5	12.8	19.8	6.6	
P-value			<0.0001	<0.0001	0.0300	0.0270	<0.0001	0.5000	0.0062	

+ = 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