

Table: 2019 Spring wheat variety trial, Moccasin, Montana.

Variety/Pedigree	Year of Release	Source	Heading date		Height (in)	Test Weight (lb/bu)	Protein (%)	Grain Yield (bu/ac)			
			cal	jul				2017	2018	2019	3 yr avg
ALUM	2014	WSU	7-Jul	188	31.0	55.5	13.6	29.6	48.3	45.4	41.1
MS Barracuda		Meridian Seeds	3-Jul	184	29.3	<b>57.3</b>	13.2		43.7	56.9	
BRENNAN	2009	Syngenta/AgriPro	4-Jul	185	29.3	<b>58.9</b>	<b>14.1</b>	35.2	39.2	52.2	42.2
MS Camaro		Meridian Seeds	4-Jul	185	29.0	<b>58.5</b>	<b>14.3</b>	33.4	35.8	50.1	39.8
MS Cheville		Meridian Seeds	5-Jul	186	30.0	53.6	13.5	33.8	49.1	47.1	43.3
CHOTEAU	2003	MAES	6-Jul	187	30.3	55.2	13.6	28.3	43.1	47.0	39.5
CORBIN	2006	Westbred, LLC	5-Jul	186	32.3	55.7	13.5	31.1	46.0	48.0	41.7
DUCLAIR	2011	MAES	4-Jul	185	31.7	54.0	<b>14.6</b>	32.1	50.8	48.4	43.8
EGAN	2013	Westbred, LLC	7-Jul	188	31.7	55.9	<b>14.6</b>	32.5	43.5	57.9	44.6
FORTUNA	1966	MAES/NDSU	8-Jul	189	39.3	55.2	<b>14.6</b>	39.5	40.5	43.5	41.2
LANNING	2016	MAES	3-Jul	184	30.0	56.4	13.2	33.8	43.0	56.4	44.4
LCS PRO	2015	LIMAGRAIN	5-Jul	186	35.3	55.2	13.2	30.1	42.7	55.2	42.7
NS PRESSER CLP	2016	MAES	8-Jul	189	31.3	53.7	13.2	32.1	50.7	52.9	45.2
REEDER	1999	NDSU	7-Jul	188	33.0	<b>56.7</b>	<b>14.3</b>	33.0	48.2	49.3	43.5
SY INGMAR	2015	Syngenta/AgriPro	7-Jul	188	31.3	56.4	<b>14.5</b>	33.7	40.7	58.5	44.3
SY SOREN	2011	Syngenta/AgriPro	5-Jul	186	27.7	55.9	<b>14.4</b>	31.2	45.4	52.3	43.0
VIDA	2005	MAES	7-Jul	188	31.7	54.3	13.5	31.1	50.0	55.1	45.4
WB GUNNISON	2011	Westbred, LLC	5-Jul	186	29.0	56.2	13.3	32.7	48.0	48.4	43.0
Average			186	186	31.3	55.6	13.9	32.0	44.5	51.4	
LSD (0.05)			1.5	1.5	2.3	2.5	0.8	N.S.	N.S.	15.0	
CV (%)			0.5	0.5	4.5	2.7	3.7	8.4	11.4	4.5	
P-value			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.3672	0.0570	0.5620	

+ = 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