

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

Variety/Pedigree	Year of Release	Source	Height (in)	Test Weight (lb/bu)	Protein (%)	Grain Yield (bu/ac)			
						2017	2018	2019	3 yr avg
ALUM	2014	WSU	23.7	61.5	14.2	<b>37.7</b>	39.7	42.5	40.0
BRENNAN	2009	Syngenta/AgriPro	23.3	62.6	15.3	27.6	32.9	40.0	33.5
CHOTEAU	2003	MAES	24.3	63.1	13.9	<b>37.7</b>	39.8	40.1	39.2
CORBIN	2006	Westbred, LLC	23.3	61.8	14.5	28.6	37.2	46.4	37.4
DUCLAIR	2011	MAES	22.0	62.5	14.5	32.0	35.1	41.6	36.2
EGAN	2013	Westbred, LLC	22.7	61.6	14.0	<b>37.5</b>	39.9	51.9	43.1
FORTUNA	1966	MAES/NDSU	23.7	61.9	13.7	30.1	35.0	43.6	36.2
LANNING	2016	MAES	24.7	62.5	14.1	<b><u>40.3</u></b>	37.0	45.0	40.8
LCS PRO	2015	LIMAGRAIN	23.0	62.5	14.2	31.2	42.1	42.5	38.6
NS PRESSER CLP	2016	MAES	22.3	62.6	14.5	<b>34.7</b>	40.8	43.9	39.8
REEDER	1999	NDSU	26.3	62.0	14.3	<b>37.0</b>	44.7	36.9	39.5
SY INGMAR	2015	Syngenta/AgriPro	23.7	62.6	14.0	<b>37.8</b>	44.8	44.4	42.3
SY SOREN	2011	Syngenta/AgriPro	24.7	62.8	14.4	<b>34.2</b>	24.3	43.7	34.1
VIDA	2005	MAES	24.0	62.5	14.2	<b>34.9</b>	36.7	44.5	38.7
WB GUNNISON	2011	Westbred, LLC	22.7	63.0	14.5	29.7	25.7	42.7	32.7
Average			23.7	62.3	14.2	32.5	34.9	43.4	
LSD (0.05)			2.8	1.7	1.2	7.0	N.S.	9.3	
CV (%)			7.2	1.6	5.1	13.1	24.0	12.9	
P-value			0.4710	0.5310	0.4190	<0.0001	0.0580	0.3150	

+ = 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