

Planting Date: 9/18/2018

Population: 950,000 seeds/ac

Harvest Date: 8/19/2019

Variety is in 2020 Trial

Variety has 3 years of data

2019 Wyoming Wheat Variety Trial Results

Dryland-Mattson Ranch Albin, WY

Variety	Yield (bu/a) (at 13% moisture) ¹	TWT ¹	Protein ^{1,2}	Approx. Heading Date	Average Height (cm) ³	Lodging % ⁴	Sawfly Cuts (per meter) ⁵					
WB4418	67.7 ± 6.2	56.1 ± 0.2	8.8 ± 0.3	CBA	168	ABCDEF	73.3	ABCDEF	26.7	ABC	77.0	C
Byrd CL Plus	63.9 ± 6.1	56.0 ± 0.9	8.2 ± 0.3	AB	169	ABCDEF	78.2	GHIJKL	56.7	CDEFG	42.0	AB
CO15SFD107 (SFD)	62.8 ± 10.4	57.7 ± 0.2	9.0 ± 0.2	CBA	171	ABCDEF	78.9	GHIJKL	31.7	ABCD	25.3	A
SY Wolf	61.4 ± 3.8	57.0 ± 0.6	9.9 ± 0.4	CB	169	ABCDEF	74.4	BCDEFGHIJ	53.3	CDEFG	50.7	ABC
Whistler	61.2 ± 2.1	56.8 ± 0.5	8.9 ± 0.6	CBA	171	ABCDEF	83.0	L	96.7	IJK	45.3	ABC
Warhorse (SS)	60.6 ± 3.5	58.5 ± 0.5	9.9 ± 0.8	CB	172	ABCDEF	77.6	FGHIJKL	5.0	A	27.3	B
SY Monument	60.4 ± 2.2	56.2 ± 0.2	8.7 ± 0.3	CBA	170	CDEF	75.2	BCDEFGHIJK	53.3	CDEFG	34.7	AB
WB4462 (60lb/a)	60.3 ± 2.8	56.8 ± 0.1	9.2 ± 0.4	CBA	168	F	77.1	EFGHIJKL	80.0	GHIJK	31.0	AB
Cowboy	60.2 ± 1.3	57.2 ± 0.4	8.6 ± 0.3	CBA	168	AB	75.0	BCDEFGHIJK	53.3	CDEFG	35.0	AB
Keldin	60.1 ± 2.4	58.1 ± 0.4	8.5 ± 0.2	CBA	170	ABCD	76.3	DEFGHIJK	36.7	BCDE	36.7	AB
WB4595	59.9 ± 2.8	58.9 ± 0.5	8.9 ± 0.4	CBA	171	ABCDEF	73.0	ABCDEF	46.7	BCDEF	45.3	ABC
CO15SFD092 (SFD)	59.7 ± 1.2	57.6 ± 1.2	8.6 ± 0.3	CBA	168	ABCDEF	72.7	ABCDEF	46.7	BCDEF	33.7	AB
Spur/Cowboy	59.2 ± 3.0	56.2 ± 0.1	8.5 ± 0.2	CBA	173	ABCDEF	76.8	DEFGHIJKL	60.0	DEFGH	48.7	ABC
CO15D098R	59.1 ± 3.7	57.4 ± 0.6	8.9 ± 0.0	CBA	168	ABC	76.0	CDEFGHIJK	100.0	K	35.7	AB
MTS1588 (SS)	58.9 ± 6.3	58.2 ± 0.7	9.4 ± 0.3	CBA	171	ABCD	71.4	ABCDEF	21.7	AB	28.7	AB
NHH144913-3	58.6 ± 6.1	55.4 ± 0.4	9.7 ± 0.4	CBA	168	BCDEF	76.2	CDEFGHIJK	56.7	CDEFG	60.7	BC
Avery	57.7 ± 2.8	56.8 ± 0.4	8.3 ± 0.4	CBA	169	ABCDEF	71.1	ABCDEF	63.3	EFGHI	44.7	ABC
Cowboy (60lb/a)	57.0 ± 5.3	57.1 ± 0.2	8.6 ± 0.4	CBA	169	ABCD	74.4	BCDEFGHIJ	76.7	FGHIJK	45.0	ABC
WB4792	56.8 ± 9.1	58.9 ± 0.6	8.9 ± 0.0	CBA	170	AB	80.7	JKL	26.7	ABC	41.7	AB
Spur (SS)	55.4 ± 2.8	55.1 ± 0.2	9.2 ± 0.2	CBA	171	ABCDEF	76.7	DEFGHIJKL	36.7	BCDE	47.5	AB
Cowboy (50lb/a)	55.1 ± 5.3	56.8 ± 0.2	8.2 ± 0.3	AB	170	ABCDEF	79.3	IJKL	50.0	BCDEFG	28.7	AB
WB4462	54.7 ± 5.2	57.5 ± 0.3	9.0 ± 0.1	CBA	168	ABCDEF	81.1	KL	90.0	HIJK	30.7	AB
CrescentAX	54.2 ± 2.8	56.9 ± 0.1	9.3 ± 0.4	CBA	168	EF	70.8	ABCDEF	100.0	K	38.7	AB
Canvas	53.5 ± 6.2	57.0 ± 0.7	9.1 ± 0.4	CBA	169	BCDEF	73.6	ABCDEF	73.3	FGHIJK	51.7	ABC
InclineAX	53.5 ± 4.5	55.5 ± 0.6	8.6 ± 0.0	CBA	169	A	77.6	FGHIJKL	73.3	FGHIJK	44.7	ABC
SY Wolverine	52.4 ± 3.8	56.0 ± 0.1	7.9 ± 0.4	AB	168	ABCDEF	70.2	ABCD	60.0	DEFGH	31.7	AB
WB-Grainfield	52.1 ± 2.2	56.3 ± 0.6	8.8 ± 0.0	CBA	165	ABCDEF	72.0	ABCDEF	60.0	DEFGH	33.0	AB
NE15624	51.8 ± 2.9	56.8 ± 0.2	9.6 ± 0.6	CBA	168	ABCDEF	67.6	A	66.7	EFGHIJ	49.3	ABC
Hatcher	51.5 ± 1.6	55.9 ± 0.3	8.9 ± 0.1	CBA	168	ABC	74.3	BCDEFGHIJ	96.7	JK	48.3	ABC
FourOsix (MT1465)	51.3 ± 6.7	56.3 ± 0.5	9.5 ± 0.5	CBA	171	ABCDEF	79.1	HIJKL	70.0	FGHIJK	54.0	ABC
Snowmass2.0	50.5 ± 3.9	56.5 ± 0.4	8.8 ± 0.5	CBA	168	ABCDEF	73.8	ABCDEF	70.0	FGHIJK	44.3	ABC
SY Legend CL2	49.1 ± 4.0	56.9 ± 0.6	10.2 ± 0.1	C	168	ABCDEF	69.0	AB	90.0	HIJK	59.3	BC
CO13D0787	47.5 ± 7.6	57.1 ± 0.7	9.1 ± 0.1	CBA	168	AB	73.3	ABCDEF	91.7	IJK	38.0	AB
LCS Valiant	44.7 ± 2.1	57.1 ± 0.6	9.6 ± 0.4	CBA	168	DEF	69.8	ABC	80.0	GHIJK	46.7	ABC
Average	56.6 ± 4.2	56.9 ± 0.4	9.0 ± 0.3		169.1		75.0		61.8		42.2	

1. Plus or minus standard error shown

2. Same letters indicate no significant difference between samples. Statistics were performed Using SAS University Edition General Linear Model with Student-Newman-Keuls test

3. Average height was taken from an average of three plants in each plot of each variety. Plots were then averaged by variety

4. % lodging is based upon a visual assessment of the each plot for lodged stems. Plots were then averaged by variety

5. Sawfly cuts is based on a count of cut stems from 1m of row collected at the south end of each plot

SFD= Sawfly, Double Haploid (semi solid stem) SS=Solid Stem

Fertility program on this field was: 40 lbs N 5.3 lbs S

Herbicide Program was .9 oz Olympus 2 oz Clarifier