Planting Date: 10/1/2018   Population: 1,500,000 seeds/ac   Harvest Date: 8/19/2019 | Variety is in 2020 Trial | Variety has 3 years of data

2019 Wyoming Wheat Variety Trial Results
Irrigated-Prairie Farms 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]
Byrd CL Plus	91.3 ± 13.6	58.7 ± 2.0	9.3 ± 0.1	ABCD	168	AB	76.1 JKL	6.7	ABC	10.3 ABCDEFGH
FourOsix (MT1465)	90.1 ± 7.0	61.0 ± 0.4	10.3 ± 0.1	CDEFG	169	A	76.1 HIJKL	5.0	ABC	4.7 ABCDE
WB4269	89.8 ± 5.8	59.8 ± 0.4	10.0 ± 0.2	BCDEFG	168	ABC	61.6 AB	6.7	ABC	2.0 ABCD
Whistler	89.6 ± 7.4	61.1 ± 0.5	9.5 ± 0.2	ABCDE	169	ABC	68.4 KL	15.0	BCDE	16.0 FGHI
WB-Grainfield	87.8 ± 12.1	60.3 ± 0.5	10.1 ± 0.2	BCDEFG	169	ABC	73.8 FGHIJ	4.0	AB	8.7 ABCDEF
Cowboy	87.6 ± 14.3	60.9 ± 0.1	8.7 ± 0.4	A	169	BC	74.0 IJKL	5.0	AB	8.7 ABCDEFG
Keldin	86.8 ± 4.4	61.3 ± 0.5	10.2 ± 0.5	CDEFG	169	A	76.0 IJKL	5.0	ABCD	11.0 ABCD
Spur (SS)	84.8 ± 4.4	59.9 ± 0.1	10.4 ± 0.4	DEFG	168	ABC	74.8 FGHIJ	18.3	AB	29.0 ABCDE
CO15D098R	84.4 ± 12.8	61.5 ± 0.8	10.1 ± 0.4	BCDEFG	168	A	74.3 HIJKL	5.3	AB	11.0 ABCDE
Avery	84.0 ± 13.3	59.9 ± 0.3	8.8 ± 0.2	AB	169	C	78.8 IJKL	6.7	AB	17.7 EFGHI
Spur/Cowboy	83.8 ± 8.3	60.3 ± 0.2	9.5 ± 0.7	ABCDEF	168	ABC	71.3 HIJKL	8.3	AB	18.7 AB
WB4595	82.2 ± 9.4	61.6 ± 0.5	10.1 ± 0.3	BCDEFG	169	A	70.0 GHIJK	8.3	A	22.7 ABC
Cowboy (100lb/a)	82.1 ± 5.2	60.8 ± 0.5	9.3 ± 0.2	ABCD	168	BC	76.6 IJKL	5.0	ABCD	9.7 ABCDE
WB4792	82.0 ± 9.1	59.2 ± 4.4	10.1 ± 0.5	BCDEFG	169	ABC	67.6 HIJKL	20.0	AB	31.0 ABCDEF
InclineAX	80.1 ± 8.6	59.7 ± 0.3	9.4 ± 0.2	ABCDE	170	A	77.6 HIJKL	8.3	ABC	10.3 ABCDEFGH
SY Monument	79.1 ± 15.6	60.4 ± 0.3	10.2 ± 0.1	CDEFG	170	A	73.2 CDEFGHI	2.0	ABCD	0.7 ABCDE
Hatcher	78.5 ± 6.9	60.3 ± 0.1	10.5 ± 0.2	DEFG	168	A	75.3 EFGHIJ	1.7	ABCD	6.0 ABCDEFGH
CO13D0787	78.4 ± 10.2	61.0 ± 0.4	10.4 ± 0.4	DEFG	169	A	80.4 FGHIJ	11.7	EF	28.3 GHI
Snowmass2.0	77.2 ± 16.0	60.3 ± 0.2	9.8 ± 0.3	ABCDEFG	168	ABC	73.8 BCDEFGH	8.3	ABCD	14.7 BCDEFGH
MTS1588 (SS)	76.9 ± 19.1	61.3 ± 0.9	10.5 ± 0.5	DEFG	168	BC	76.2 CDEFGHI	6.7	A	17.3 A
WB4303	76.4 ± 7.2	58.3 ± 0.1	9.0 ± 0.2	ABC	168	ABC	81.1 BCDEF	0.0	BCDE	0.3 HI
CO15SFD107 (SFD)	75.8 ± 4.3	60.2 ± 0.3	10.6 ± 0.3	EFG	168	A	77.3 L	8.3	A	7.7 ABC
NHH144913-3	75.7 ± 1.8	58.8 ± 0.3	10.7 ± 0.5	EFG	168	ABC	73.1 DEFGHIJ	8.7	DEF	9.7 I
CO15SFD092 (SFD)	75.4 ± 13.7	59.8 ± 0.5	9.8 ± 0.3	ABCDEFG	170	ABC	77.0 BCDE	3.3	AB	11.7 ABCDE
SY Sunrise	74.8 ± 19.6	59.9 ± 0.1	10.0 ± 0.1	BCDEFG	169	A	69.7 A	12.0	ABC	31.7 AB
Warhorse (SS)	74.1 ± 12.3	61.9 ± 0.2	10.8 ± 0.1	FG	169	A	68.7 L	5.0	A	8.3 A
WB4418	72.7 ± 13.2	57.6 ± 2.5	10.1 ± 0.1	BCDEFG	169	ABC	68.3 BCDEFG	31.7	A	85.3 ABC
Canvas	69.8 ± 13.1	61.4 ± 0.6	10.1 ± 0.2	BCDEFG	168	AB	66.2 EFGHIJ	6.7	FG	7.3 DEFGHI
WB4303 (100lb/a)	68.8 ± 14.2	57.9 ± 0.8	9.0 ± 0.2	ABC	169	ABC	70.4 BC	0.3	G	5.0 J
CrescentAX	66.0 ± 7.3	60.2 ± 0.1	9.7 ± 0.1	ABCDEFG	170	ABC	77.0 BCDEF	5.3	ABCD	26.0 CDEFGH
WB4303 (120lb/a)	65.8 ± 0.2	58.0 ± 1.0	9.9 ± 0.8	BCDEFG	169	ABC	73.9 B	25.0	EF	24.7 HI
SY Wolf	62.6 ± 13.5	60.4 ± 0.7	11.0 ± 0.1	G	168	ABC	81.0 EFGHIJ	0.0	AB	5.3 ABCDE
SY Wolverine	61.5 ± 19.6	59.8 ± 0.2	10.1 ± 0.2	BCDEFG	168	ABC	73.7 BCD	16.7	CDE	41.0 ABCDEFGH
Average	78.7 ± 10.4	60.1 ± 0.6	9.9 ± 0.3		168.7		73.7	8.5		16.4

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: 12lbs N, 40lbs P, 1lbs Zn, 6lbs S at planting followed by 120 lbs N applied in season
Herbicide Program was 4oz 2,4D and 2oz Banville