

K-State Wheat Variety Demonstration Plots

Sherman County

Plot Location: 9 miles north of Goodland, east of the scale house

Cooperator: F & J Farms



Variety		Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %	Yield		3 yr avg
						2018	2017	
Langin	Colorado State	123.9	63.0	10.5	13.1	68.1	-	-
Byrd	Colorado State	119.8	63.7	10.5	13.0	66	41.4	75.7
Tatanka	K-State	101.5	64.1	10.8	12.5	72	44.4	72.6
LCS Revere	LimaGrain	92.2	63.5	9.9	14.0	-	-	-
Canvas	Colorado State	90.7	64.3	10.4	12.3	-	-	-
Byrd CL +	Clearfield Colorado State	90.5	63.1	10.4	12.5	-	-	-
LCS Link	LimaGrain	85.2	63.7	10.4	13.4	58.5	46.4	63.4
WB Grainfield	WestBred	83.7	63.2	10.5	13.6	60.5	43.8	62.7
WB 4462	WestBred	83.4	62.6	10.1	13.9	62	29.8	58.4
Avery	Colorado State	83.2	63.7	10.6	11.7	63.3	34.7	60.4
Oakley CL	Clearfield K-State	83.1	63.7	10.8	14.0	69.4	38.5	63.7
Tam II4	Agseco	82.9	64.3	10.6	12.6	62.8	43	62.9
LCS Avenger	LimaGrain	82.8	62.7	10.0	12.7	60.7	-	-
Brawl CL +	Clearfield Colorado State	82.7	63.7	10.6	14.3	62.9	43	62.9
LCS Fusion AX	CoAxium LimaGrain	81.2	62.2	10.8	11.5	-	-	-
WB Keldin	WestBred	80.8	62.0	10.1	12.9	-	-	-
LCS Mint	LimaGrain	80.5	64.6	10.5	12.4	65.5	39.9	62.0
LCS Chrome	LimaGrain	80.3	63.0	10.1	14.0	53.7	33.8	55.9
AM Eastwood	AgriMaxx	80.2	63.0	10.9	12.5	54.1	-	-
WB 4418	semi-solid stem WestBred	79.8	62.3	10.1	13.1	-	-	-
WB 4721	WestBred	79.7	64.2	9.8	14.2	57.3	39.8	58.9
Winterhawk	WestBred	77.4	62.2	10.5	13.7	60.8	42.9	60.4
T-158	LimaGrain	73.6	63.7	10.2	12.9	59	-	-
WB 4269	WestBred	73.2	62.8	10.2	12.7	-	-	-
WB 4483	solid stem WestBred	66.6	58.2	10.1	14.4	-	-	-
Average		85.1	63.0	10.4	13.1	60.2	39.4	plot avgs

Drilled: 10/3/18

70 lbs/ac

into good moisture

Fertility: At drilling: 12 N - 40 P - 5 K - 2Zn

In Crop: 80 N + BM + Radiate

Fungicide: treated with trebuconazol,

when stripe rust was appearing at one leaf below flag leaf

Harvest: 7/18/19

Semi-solid and solid stemmed wheat may help with wheat stem sawfly infestations, currently being found in NE Colorado

All yields are adjusted to 13% moisture.

This data is from demonstration plots. It should be used with replicated performance test data for variety selection.

Syngenta/AgriPro variety yields are not included in these results, per AgriPro's request.

Please contact Jeanne Falk Jones, K-State Agronomist at (785) 443-3403 or jfalkjones@ksu.edu with questions.

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Overview of the plot:

- The plot very good stand establishment, resulting in a uniform thick canopy.
- A prolonged period of cool and wet conditions aided grain fill.
- Stripe rust and leaf rust could be found in fields in the area not treated with fungicide.