

K-State Wheat Variety Demonstration Plots
 Sherman County
 Plot Location: 9 miles north of Goodland, north of tree line
 Cooperator: F & J Farms



Variety		Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %	2019	2018	3 yr avg
Langin	Colorado State	86	57.4	11	14.4	123.9	68.1	92.7
KS Dallas	Kansas State	82.8	59.5	9.7	14.8	-	-	-
Monarch	white Colorado State	80.2	58.6	10.4	14.1	-	-	-
Larry	Kansas State	78.8	58.5	10.3	14.6	-	58.3	-
LCS Yeti	white Limagrain	77.7	58.1	10.1	15.1	-	-	-
Avery	Colorado State	77.4	55.8	10.9	15.2	83.2	63.3	74.6
Whistler	Colorado State	75	57	10.5	14.2	-	-	-
Joe	white Kansas State	73.6	56.6	10.4	15.7	-	54.2	-
KS Western Star	Kansas State	73.4	59	9.9	14.9	-	-	-
Byrd	Colorado State	72.2	58.3	10.3	15	119.8	66	86.0
WB 4792	WestBred	72.1	59.3	10.6	14.4	-	-	-
Tatanka	Kansas State	71.9	58	10.4	14.2	101.5	72	81.8
Byrd CL+	Clearfield Colorado State	71.6	57.5	10.7	15.6	90.5	-	-
LCS Revere	Limagrain	71.5	58.7	10.3	14.6	92.2	-	-
Canvas	Colorado State	71.4	58.5	9.9	14.4	90.7	-	-
Breck	white Colorado State	71.4	57.8	10.7	15.6	-	-	-
LCS Valiant	Limagrain	71.2	56.8	10.2	15.4	-	-	-
WB Grainfield	WestBred	70.8	54	10.2	15.8	83.7	60.5	71.7
WB 4595	WestBred	70.1	59.8	10.6	14.9	-	-	-
Oakley CL	Clearfield Limagrain	69.7	58.7	9.9	15.9	83.1	69.4	74.1
TAM 114	Agseco	69.2	57.7	10.6	16	82.9	62.8	71.6
LCS Avenger	Limagrain	68.8	56	10	14.6	82.8	60.7	70.8
TAM 115		67.9	57.9	10.7	16.4	-	-	-
WB 4462	WestBred	66.4	56.9	10.3	16	83.4	62	70.6
Guardian	Colorado State	66	57.8	11	15.9	-	-	-
LCS Chrome	Limagrain	65	54.7	9.7	16.2	80.3	53.7	66.3
WB 4418	WestBred	64.9	56	9.7	15	-	-	-
Crescent AX	CoAXium Colorado State	64	58.8	11	14.5	-	-	-
Fortify SF	Solid Stem Colorado State	63.8	57.7	10.9	15	-	-	-
Incline AX	CoAXium Colorado State	60	56	10.4	15.1	-	-	-
LCS Fusion AX	CoAXium Limagrain	58.2	54.5	10.2	15.5	81.2	-	-
		70.4	57.4	10.4	15.1	85.1	60.2	plot avgs

Drilled: 10/3/19 at 80 lb/ac

Fertility: At drilling: 9.8N-42.7P-.46K-2.1Zn

75 lbs N Streamed on Feb 23

Top Dress 15N - 5S

Fungicide: with 3oz Lucento Fungicide at topdress

Herbicide: .35oz Report extra herbicide (chlorosulfuron+metsulfuron, like Finesse), 6oz MCPA

Harvest: 7/7/20

Overview of the plot:

- Two cold events in April caused tiller loss and set back the growth of the wheat. Smaller wheat was more affected by the cold temperatures with increased loss of tillers, compared to larger wheat.
 - High temperatures and several days of wind from both north and south directions occurred during grain fill.

Solid and semi-solid stemmed varieties may be useful in the fight against wheat stem sawfly (currently found in NE Colorado)

CoAXium and Clearfield wheat varieties can be sprayed with herbicides to control grassy and some broadleaf weeds.

CoAXium wheat can be sprayed with Aggressor herbicide. Clearfield wheat can be sprayed with Beyond herbicide (1- and 2-gene).

Check herbicide labels and variety information prior to spraying.

A big THANK YOU to F&J Farms for being great wheat plot cooperators!

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

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

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