

K-State Wheat Variety Demonstration Plots

Wallace County

Plot Location: 9 miles south of Sharon Springs (Field Road) and 3.5 miles east

Cooperator: Mai Farms



Variety			Yield	Test Weight	Moisture	Protein	Yield		
			bu/ac	lb/bu	%	%	2019	2017	3 year avg
TAM 114		Agseco	55.5	57.3	11.4	13.2	73.9	39.2	56.2
WB4462		WestBred	54.5	56.5	10.9	13.3	71.7	-	-
Avery		Colorado State	52.6	57.7	11.0	13.1	67.1	41.8	53.8
WB Grainfield		WestBred	52.4	55.3	11.0	13.2	71.0	44.2	55.9
KS Silverado	white	K-State	52.2	60.2	11.1	13.1	-	-	-
Breck	white	Colorado State	51.5	59.2	10.6	13.6	-	-	-
Joe	white	K-State	51.2	57.6	10.9	13.1	80.2	69.2	66.9
Tatanka		K-State	51.1	59.1	11.0	12.6	70.6	53.8	58.5
KS Western Star		K-State	51.0	60.1	10.8	13.3	-	-	-
LCS Valiant		Limagrain	50.4	57.2	10.5	13.7	-	-	-
Byrd CL+	Clearfield	Colorado State	49.9	57.1	11.1	13.5	-	-	-
Clara CL	ite/Clearfi	K-State	49.5	59.3	11.0	13.2	68.2	70.8	62.8
Monarch	white	Colorado State	48.8	56.5	10.7	12.9	79.7	-	-
Antero	white	Colorado State	48.3	56.9	10.6	12.5	75.5	46.4	56.7
Guardian		Colorado State	48.1	58.8	11.2	14.0	-	-	-
Langin		Colorado State	48.1	57.7	11.2	13.0	73.4	-	-
Crescent AX	CoAXium	Colorado State	47.2	57.3	11.0	13.5	-	-	-
KS Dallas		K-State	46.7	58.8	11.1	13.6	-	-	-
KS Venada	white	K-State	46.6	58.1	10.5	13.5	68.4	-	-
LCS Yeti	white	Limagrain	46.1	58.6	10.4	13.9	65.1	-	-
LCS Fusion AX	CoAXium	Limagrain	45.3	56.4	10.5	13.7	71.0	-	-
Fortify SF	solid stem	Colorado State	45.1	57.2	11.1	13.6	-	-	-
LCS Chrome		Limagrain	44.6	56.2	10.4	14.2	69.5	43	52.4
Oakley CL	Clearfield	K-State	44.3	59.3	10.8	14.5	60.7	67.9	57.6
Average			49.2	57.9	10.9	13.4	69.5	45.4	(plot avgs)

Drilled: 9/28/19

45 lbs/ac

Fertility: 55 lbs nitrogen as anhydrous

No herbicide or fungicide applied

Harvest: 7/6/20

All yields are adjusted to 13% moisture.

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 Mai 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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Overview of the plot:

- The stand was average last fall.
- Cool conditions at first of November slowed establishment of fall tillers.
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, during grain fill stressed the wheat.