

K-State Wheat Variety Demonstration Plots
 Cheyenne County
 Plot Location: 4 miles south of Wheeler and 1/4 mi west
 Cooperator: Sunny Crest Farms



Variety			Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %	Yield		3 year avg
							2019	2018	
KS Dallas		K-State	72.2	59.6	10.0	11.6	-	-	-
Crescent AX	CoAXium	Colorado State	69.1	58.6	10.1	11.5	-	-	-
Canvas		Colorado State	65.6	58.9	10.0	11.0	81.9	-	-
Langin		Colorado State	64.9	57.7	10.1	10.8	90.3	44.3	66.5
LCS Valiant		LimaGrain	64.4	59.1	10.2	12.1	-	-	-
Brawl CL+	Clearfield	Colorado State	62.1	60.6	10.1	11.8	77.2	41.5	60.3
Tatanka		K-State	62.1	60.5	10.1	11.4	71.5	37.7	57.1
LCS Revere		LimaGrain	62.0	59.9	10.0	11.1	-	-	-
TAM 114		Agseco	61.9	59.5	9.9	12.0	76.3	43.8	60.7
WB Grainfield		WestBred	61.7	58.3	10.1	11.9	75.6	50.1	62.5
Avery		Colorado State	60.6	57.0	9.9	11.4	80.2	48.1	63.0
WB4595		WestBred	59.7	61.3	10.1	12.0	-	-	-
WB4462		WestBred	57.9	58.2	10.1	12.8	77.8	40.8	58.8
Guardian		Colorado State	57.2	59.5	10.0	11.8	-	-	-
Fortify SF	Solid-stem	Colorado State	55.0	57.8	10.0	11.6	-	-	-
Winterhawk		WestBred	52.0	58.9	9.9	12.4	70	41.4	54.5
Oakley CL	Clearfield	K-State	51.9	57.6	9.7	12.6	61.9	44.9	52.9
LCS Chrome		LimaGrain	47.7	56.5	9.7	14.5	67.1	37.8	50.9
TAM 114+ WB Grainfield	Blend		46.8	56.6	9.8	14.1	-	-	-
WB4792		WestBred	38.4	55.8	9.9	14.8	-	-	-
Average			58.7	58.6	10.0	12.2	75.3	42.6	

Drilled: majority of plot drilled on 9-19-19

LCS Chrome, WB4792, and TAM 114+Grainfield drilled 9-27-19, due to breakdown
 62 lbs at 2' depth
 drilled into moisture

Fertility: 60N - 20P

Herbicide: Ally, 2,4-D and dicamba on April 9 by Grace Flying Service

Fungicide: trebuconazol was applied at flag leaf emergence for tan spot

Harvest: 7/9/20

by Yonkey Farms

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 Sunny Crest 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.

K-State Research and Extension is an equal opportunity provider and employer.

Overview of the plot:

- The stand was good last fall, except for the three varieties planted later.
- 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. The later planting date seemed more affected because of a thinner stand and smaller wheat. High temperatures and wind during grain fill stressed the wheat.
- Tan spot was found in the plot. It resulted from damp conditions and wheat after wheat in no-till (fungus overwinters on wheat stubble).