

K-State Wheat Variety Demonstration Plots  
 Wallace County  
 Plot Location: 3 miles west of Weskan, 6 mi south  
 Cooperator: E & H Farms



Variety	Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %	Yield				
					2019	2017	3 year avg		
Avery	Colorado State	44.0	56.9	12.4	12.2	72.2	26.6	47.6	
KS Dallas	K-State	41.8	58.8	12.3	11.9	-	-	-	
WB4792	WestBred	38.5	59.8	12.3	12.0	-	-	-	
TAM 114	Agseco	38.4	57.2	12.5	12.8	61.8	24.8	41.7	
Langin	Colorado State	38.3	57.8	12.9	11.7	76.5	37.8	50.9	
TAM 115		37.5	59.8	12.1	13.6	-	-	-	
LCS Fusion AX	CoAXium	LimaGrain	37.3	56.6	12.6	12.8	75.1	-	-
Tatanka	K-State		36.1	56.8	12.8	12.1	61.8	26.7	41.5
LCS Chrome	LimaGrain		35.1	56.9	12.7	13.7	66.6	12.8	38.2
WB Grainfield	WestBred		34.0	59.6	12.7	12.7	62.3	18.9	38.4
Oakley CL	Clearfield	K-State	32.9	58.4	12.5	13.5	65.6	33.4	44.0
LCS Revere	LimaGrain		31.8	57.5	12.6	12.2	65.7	-	-
Average			63.9	58.0	12.5	12.6	63.9	23.8	(plot avgs)

Drilled: 9/30/19  
 50 lbs at 1.5" deep  
 No-till wheat - corn - fallow rotation

Fertilizer:  
 60 pounds of 40 Rock prior to drilling  
 Topdress nitrogen

Harvest: 7/10/20

**Overview of the plot:**

- The plot had a decent stand. Although, dry conditions in October and a cold snap in November did not help the establishment of many 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 rain fill stressed the wheat.

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 E&H 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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