

K-State Wheat Variety Demonstration Plots  
 Wallace County  
 Plot Location: On Road 3, 6.25 mi south of Hwy 40 to Field Road  
 Cooperator: E & H Farms



Variety		Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %
Guardian	Colorado State	74.5	57.1	11.7	10.5
Amplify SF	Colorado State	68.9	55.8	11.6	10.8
TAM 114	Agseco	67.8	59.2	11.2	10.5
Avery	Colorado State	64.5	55.9	11.7	10.8
WB4595	WestBred	63.7	58.6	11.5	10.1
LCS Steel AX	Limagrain	63.3	56.4	11.3	10.4
WB-Grainfield	WestBred	62.6	57.7	11.2	10.2
AG Golden	Agseco	62.2	55.8	11.5	10.6
Byrd CL+	Colorado State	62.2	57.0	11.6	10.2
KS Dallas	K-State	61.1	58.4	11.3	10.6
WB4792	WestBred	59.3	58.3	11.1	10.3
WB4422	WestBred	55.6	58.5	11.0	10.6
KS Hamilton	K-State	55.6	58.4	11.7	10.6
KS Western Star	K-State	53.3	58.3	11.2	10.4
Langin	Colorado State	52.2	56.6	11.8	10.2
KS Providence	K-State	47.8	57.1	11.8	10.6
Average		62.2	57.4	11.5	10.5

**Overview of the plot:**

- Field is in a wheat-corn-fallow rotation in a no-till system.
- The fall stand establishment was decent, with some fall tillers established before cold temps.
- Dry conditions during the spring hindered establishment of many spring tillers.
- Rains started in early May, when wheat was at boot stage. One rain event contained light hail, which caused some wheat heads to become trapped in the boot.
- A light infection of stripe rust arrived later than normal because of the dry conditions.
- The wetter-than-normal and cool temperatures conditions from early May to harvest created a long grain fill period, resulting in better than expected wheat yields (when compared to expected yields earlier in the season).

Drilled: September 29, 2022  
 2" deep into decent moisture  
 45 lbs/ac

Fertilizer at Drilling: 20 lbs MESZ  
 Topdressed in early spring  
 Herbicide: Quelex in early spring

Harvested: July 31, 2023

All yields are adjusted to 13% moisture.

AX = CoAxiom variety, can be treated with Aggressor herbicide  
 CL+ = 2 gene Clearfield variety, can be treated with higher rates of Beyond herbicide  
 SF = varieties with a semi-solid stem, to help prevent egg laying by wheat stem sawfly

Thank you to E & H Farms for being the wheat plot cooperator!

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 (although are in plot averages), 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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