

K-State Wheat Variety Demonstration Plots
 Wallace County
 Plot Location: 3 mi west of Weskan and south 5.5 mi
 Cooperator: E & H Farms



Variety		Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %
KS Western Star	K-State	74.3	58.9	10.6	12.7
WB Grainfield	WestBred	74.0	58.4	10.9	12.9
Byrd CL+	Colorado State	65.5	55.3	10.8	13.0
WB 4462	WestBred	64.5	58.6	10.7	13.1
Langin	Colorado State	64.3	56.7	11.0	13.1
LCS Runner	Limagrain	62.5	56.9	10.5	12.8
LCS Steel AX	Limagrain	61.6	56.2	10.3	12.8
KS Dallas	K-State	61.4	59.7	10.5	13.1
Guardian	Colorado State	57.9	57.4	11.0	13.4
WB 4422	WestBred	57.2	59.2	10.3	13.5
TAM 114	Agseco	52.7	60.2	10.6	13.0
WB 4595	WestBred	47.3	61.8	10.7	12.4
Average		61.9	58.3	10.7	13.0

Drilled: September 28, 2021
 put into moisture at 2 inches
 45 lbs/ac

Fertility: 60 lbs MESZ and 30-0-0-3 at 10 gal; KQ342 applied in March
 Herbicide: applied in March - Quelex and dicamba
 Fungicide: none applied
 Rotation: Wheat - Corn - Fallow

Harvested: July 18, 2022

AX = CoAxium variety, can be treated with Aggressor herbicide
 CL+ = 2 gene Clearfield variety, can be treated with higher rates of Beyond
 SF = varieties with a semi-solid stem

Thank you to E&H Farms for being the wheat plot cooperator!
 Thank you to Wheeler Equity for running protein content on the samples!

All yields are adjusted to 13% moisture.

Overview of the plot:

- Field is no-till, with herbicide applications ahead of wheat drilling.
- There was decent moisture at drilling, resulting in a good stand last fall. Fall tillers were initiated and strongly contributed to yield.
- The remainder of fall, winter and spring were dry. The plot did receive 6 inches of dry snow (when northern Wallace County received 20 inches). This snow was very dry and contained around 0.4" of water. At the Wallace Co Kansas mesonet station (southwest of Sharon Springs, it shows the total rainfall for the last 365 days is 6.23 inches. This is 13.62 inches below normal for that same period.
- No stripe or leaf rust was found in northwest Kansas, so a fungicide application was not needed.
- Hot conditions and wind in mid-June stressed the wheat at grain fill. However, test weight stayed pretty strong. A small shower a few days before harvest likely dropped the test weights a bit.

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, 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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