

K-State Wheat Variety Demonstration Plots  
 Cheyenne County  
 Plot Location: 12 miles west of St. Francis and 3 1/4 mi north  
 Cooperator: Hingst Farm



Variety		Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %
Avery	Colorado State	43.7	59.2	12.5	13.2
KS Western Star	K-State	43.6	59.3	12.4	12.6
Langin	Colorado State	43.1	58.6	12.8	12.5
LCS Julep	Limagrain	43.0	59.7	11.1	13.2
T-158	Limagrain	42.3	59.9	12.2	11.9
LCS Steel AX	CoAxium	42.2	57.0	12.3	12.7
WB 4792	WestBred	42.1	58.6	12.9	13.4
Guardian	Colorado State	42.0	58.4	12.8	13.0
KS Hamilton	K-State	41.4	58.3	12.5	12.7
WB 4595	WestBred	41.4	60.1	12.8	12.6
Byrd CL+	Clearfield	40.6	57.2	12.2	13.6
WB 4462	WestBred	40.2	58.9	13.1	13.1
KS Dallas	K-State	38.9	58.2	12.9	13.4
AG Golden	Agseco	37.7	56.9	12.0	13.1
Fortify SF	semi-solid	36.9	58.2	13.4	13.4
LCS Chrome	Limagrain	36.4	56.9	12.0	13.4
WB Grainfield	WestBred	35.9	58.5	12.6	13.3
LCS Runner	Limagrain	35.8	59.1	12.3	13.1
TAM 115	Agseco	33.5	58.8	12.4	13.6
Average		40.0	58.6	12.5	13.1

Drilled: September 23, 2021

laid on top of a bit of moisture at 2.5 - 3" deep  
 70 lbs/ac

Fertility: fertilized with nitrogen and phosphorus for 70 bu yield

Herbicide: applied April 27, 4 oz flurozypyr (StareDown), 4 oz 2,4-D and 0.1 oz Ally

Fungicide: none applied

Harvested: July 8, 2022

AX = CoAxium 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

Thank you to Hingst Farms for being the wheat plot cooperator!

Thank you to Wheeler Equity for running the protein content on the samples!

All yields are adjusted to 13% moisture.

**Overview of the plot:**

- Drilling conditions were pretty dry and the drill was set to get the seed to moisture.
- A rainfall event caused some crusting (Thanks to Raile Farms for running over the plot with a rotary hoe to break up the crust).
- Some fall tillers were initiated, but not as many as we would like because of the dry conditions. The west end of the plot had a thinner stand than the east end.
- Continuing dry conditions were present throughout most of the wheat growing season. At the Cheyenne Co Kansas mesonet station, it shows the total rainfall for the last 365 days is 10.34". This is 7.22 inches below normal for that same period.
- Hot conditions and wind in mid-June stressed the wheat at grain fill. However, test weight stayed pretty strong. A small rain two days before harvest dropped the test weights.

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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