

K-State Wheat Variety Demonstration Plots
 Cheyenne County
 Plot Location: 13 miles west of St. Francis and 3 1/4 mi north
 Cooperator: Hingst Farm



Variety		Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %
WB Grainfield	WestBred	87.3	60.1	11.1	12.6
Avery	Colorado State	83.2	59.7	10.6	13.0
Tatanka	K-State	83.2	60.6	10.8	12.4
Guardian	Colorado State	81.9	59.7	10.9	12.8
LCS Chrome	Limagrain	79.9	59.9	11.9	14.0
LCS Julep	Limagrain	79.2	61.6	10.1	13.6
LCS Valiant	Limagrain	78.9	60.8	11.1	13.2
T158	Agseco	78.4	60.6	11.2	12.7
Byrd CL+	Clearfield Colorado State	77.9	58.3	10.9	12.7
WB4462	WestBred	77.0	60.1	11.1	13.5
KS Hamilton	K-State	76.7	60.3	10.7	12.5
Oakley CL	Clearfield K-State	76.4	61.0	10.7	13.6
Fortify SF	semi-solid Colorado State	75.5	60.0	10.9	12.5
TAM 114	Agseco	75.0	59.1	10.9	13.1
KS Dallas	K-State	73.3	59.2	11.1	13.1
KS Western Star	K-State	72.9	61.4	10.8	13.0
WB4595	WestBred	72.9	60.0	10.9	12.4
Canvas	Colorado State	72.5	59.0	11.2	13.2
TAM 115	Agseco	66.6	60.1	10.5	13.4
Langin	Colorado State	65.5	59.3	11.2	12.5
LCS Fusion AX	CoAxium Limagrain	61.5	56.7	11.0	12.7
Average		75.8	59.9	10.9	12.9

Drilled: September 22, 2020
 into fair moisture
 65 lbs/ac

Fertility: fertilized with nitrogen and phosphorus for 70 bu yield
 Herbicide: 2.5 oz Banvel + 0.28 oz Amber + surfactant applied on April 3
 Fungicide: trebuconazol on May 24

Harvested: July 15, 2021

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

Overview of the plot:

- Wheat was a little spotty when coming up and through the winter because of dry soil conditions
- Late winter and spring moisture helped establish tillers, resulting in a thick stand of wheat
- Within a variety, heading and height of wheat was quite even
- Hot conditions and wind in mid-June stressed the wheat at grain fill
- There was some lodging at harvest. Varieties that lodging was most noticeable in included: Tatanka, Avery, WB 4462, LCS Fusion AX, and Langin

Thank you to Hingst Farms for being the wheat plot cooperators!
 Thank you to Wheeler Equity for running the protein content on the samples!

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, 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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