

K-State Wheat Variety Demonstration Plots  
 Wallace County  
 Plot Location: 9 miles south of Sharon Springs and 3 mi east  
 Cooperator: Mai Farms



Variety			Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %
Fortify SF	red	Colorado State	90.1	58.4	12.3	11.9
Byrd CL+	red	Colorado State	88.0	57.4	12.3	11.6
Langin	red	Colorado State	87.4	57.7	12.5	12.0
Avery	red	Colorado State	85.9	57.6	12.3	11.9
Guardian	red	Colorado State	84.3	59.3	12.4	12.9
KS Dallas	red	K-State	84.2	59.1	11.8	12.7
Monarch	white	Colorado State	83.9	57.9	12.5	11.7
Canvas	red	Colorado State	83.4	58.6	12.2	12.1
Oakley CL	red	K-State	82.1	60.2	11.5	13.2
Antero	white	Colorado State	81.5	57.8	12.4	12.4
KS Venada	white	K-State	78.7	58.0	12.4	13.1
Breck	white	Colorado State	78.2	59.5	12.3	12.6
Joe	white	K-State	77.3	57.1	12.6	12.7
Clara CL	white	K-State	75.0	59.4	12.3	13.5
WB Grainfield	red	WestBred	74.7	59.2	11.8	12.7
KS Silverado - with starter fe	white	K-State	74.7	58.7	12.5	13.3
KS Western Star	red	K-State	74.4	59.9	11.5	13.0
KS Silverado - without starter f	white	K-State	72.9	58.2	12.7	13.7
KS Hamilton	red	K-State	70.7	57.6	11.9	13.3
TAM 114	red	Agseco	70.7	59.4	11.9	13.0
LCS Chrome	red	Limagrain	69.4	58.0	12.3	12.9
WB 4462	red	WestBred	69.2	58.4	11.6	13.4
LCS Yeti	white	Limagrain	64.9	58.9	11.8	13.0
Average			78.3	58.5	12.2	12.7

Drilled: September 24, 2020  
 about 1.5" into moisture  
 at 45 lb/ac

Fertility: 55 lbs of N as anhydrous in fallow, starter at 5 lb N and 16.8 lb P2O5/ac

Herbicide: no herbicide application

Fungicide: trebuconazol applied on May 24

Harvested: July 13, 2021

SF = varieties with a semi-solid stem

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

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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#### Overview of the plot:

- Moisture at planting was good and the plot emerged well and pretty even.
- The rest of the fall and winter were quite dry.
- Wet snow/rain in the spring helped build profile moisture to help support the wheat throughout the rest of the growing season.
- The wheat tillered well and appeared very even at heading.
- Hot conditions and wind in mid-June stressed the wheat at grain fill.
- After rains and wind in late June, the wheat was leaning at harvest.