

K-State Wheat Variety Demonstration Plots

Wallace County

Plot Location: 9 miles south of Sharon Springs, 3 mi east on Field Road

Cooperator: Mai Farms



Variety			Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %
Amplify SF	Semi-Solid	Colorado State	83.6	57.2	14.8	12.4
Avery		Colorado State	82.2	57.7	14.7	12.3
Breck	White	Colorado State	78.4	60.8	14.4	13.2
CO18D297R	Experimental	Colorado State	77.6	58.4	15.1	12.6
Byrd CL+	Clearfield	Colorado State	77.0	57.7	15.0	12.6
KS Silverado	White	K-State	75.4	60.6	14.3	13.2
Kivari AX	CoAxium	Colorado State	75.4	59.3	15.3	12.8
WB 4792		WestBred	74.3	60.9	14.5	12.0
Guardian		Colorado State	74.1	57.7	14.4	12.0
KS Bill Snyder		K-State	73.7	59.3	14.9	12.2
KS Territory		K-State	70.0	59.7	14.3	12.3
KS Western Star		K-State	69.6	60.4	14.0	12.8
KS Dallas		K-State	69.4	59.7	14.0	13.0
KS Providence		K-State	68.0	58.2	14.3	13.2
KS Hamilton		K-State	67.2	58.7	14.5	12.8
Joe	White	K-State	65.3	59.1	14.2	12.6
WB Grainfield		WestBred	64.4	58.6	14.9	12.7
TAM 114		AGSECO	64.2	59.3	15.0	13.6
Langin		Colorado State	64.0	57.6	14.4	12.4
Windom SF	White, Semi-So	Colorado State	54.6	59.8	14.6	13.4
Average			71.4	59.0	14.6	12.7

Drilled: September 27, 2023

2" deep into moisture

45 lbs/ac

wheat-corn-fallow rotation

Fertility: 55 lbs of N as anhydrous, 5 gal of 10-34-0 (starter)

Herbicide: none

Fungicide: none

Harvested: July 3, 2024

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, to help prevent egg laying by wheat stem sawfly

Thank you to Mai Farms for being the long-time wheat plot cooperator!

All yields are adjusted to 13% moisture.

Overview of the plot:

- Plot drilled into moisture and emerged evenly and timely. A good amount of fall growth helped provide ground cover.
- Wheat came through the winter well and resumed even growth in the spring.
- While there was wheat streak mosaic and triticum mosaic found in southern Wallace County, there were only a few flag leaves that were yellow in the plot. This signaled a very low wheat curl mite population and a late infection. One isolated plant with yellow leaves and virus-like symptoms tested positive for triticum mosaic and wheat streak mosaic.
- Only a very trace level of stripe rust was found in the plot. Because of this, the plot did not have a fungicide application for stripe rust.
- Although daytime highs were quite high during portions of grain fill, cool nighttime temperatures aided during kernel fill.

This data is from demonstration plots. It should be used with replicated performance test data for variety selection.

Please contact Jeanne Falk Jones, K-State Agronomist at (785) 443-3403 or jfalkjones@ksu.edu with questions.

K-State Research and Extension is an equal opportunity provider and employer.