



# **K-STATE**

**Research and Extension**

## **Sedgwick & Sumner County Replicated Wheat Variety Tests 2023**

Andale, Clearwater, Belle Plaine, Caldwell

**Special thanks to our Sedgwick County Wheat Plot Sponsors:**



# Sedgwick & Sumner Wheat Plots - Yield

(bushels/acre)

Variety	Source	All	Andale	Clearwater <sup>1</sup>	Belle Plaine <sup>1</sup>	Caldwell
LCS Steel AX	LCS	33.7	40.7	20.9	35.8	38.3
WB4523	WestBred	28.9	35.7	17.6	32.2	30.2
AP Prolific	AgriPro	28.3	41.4	15.5	24.2	32.0
WB4422	WestBred	28.3	34.3	14.6	32.5	31.5
WB4699	WestBred	27.9	33.5	20.7	26.0	31.4
WB4401	WestBred	27.8	42.7	11.5	32.0	25.1
WB4269	WestBred	27.7	35.3	16.7	30.0	28.8
AG Radical	AGSECO	27.6	38.2	11.8	27.6	33.0
AP18 AX	AgriPro	27.5	40.4	6.9	33.3	29.5
KS Providence	KWA	27.5	38.2	11.1	27.8	32.8
Bob Dole	AgriPro	27.4	39.3	11.4	27.9	31.1
LCS Helix AX	LCS	26.8	39.4	14.8	29.9	28.3
Rock Star	Polansky	26.8	35.2	12.4	26.7	32.9
Zenda	KWA	26.8	35.8	14.7	23.4	33.1
Doublestop CL+	OGI	26.7	36.2	13.8	27.1	29.8
Showdown	OGI	25.9	38.2	5.9	26.1	33.3
KS Ahearn	KWA	25.8	41.7	12.7	21.6	27.3
LCS Valiant	LCS	25.8	33.0	13.3	28.1	28.9
Paradise	Polansky	25.7	35.4	12.0	27.9	27.4
LCS Atomic AX	LCS	25.1	38.3	10.0	27.7	24.4
LCS Photon AX	LCS	25.0	35.0	10.6	24.5	29.9
KS Hatchett	KWA	23.8	38.6	10.9	24.7	20.9
Strad CL+	OGI	23.4	36.0	8.3	23.0	26.2
Uncharted	OGI	23.1	30.6	9.9	27.4	24.5
Smith's Gold	OGI	22.8	33.2	9.7	25.6	22.6
AM Cartwright	AgriMaxx	22.5	31.6	7.7	26.9	28.5
AP EverRock	AgriPro	22.0	34.3	6.4	27.3	19.9
AP Bigfoot	AgriPro	20.8	31.3	6.0	23.2	23.4
Average		26.1	36.6	12.1	27.5	28.8
Max		33.7	42.7	20.9	35.8	38.3
Min		20.8	30.6	5.9	21.6	19.9

\*Values, highlighted in gray and bold, belong statistically to the highest yielding group. We cannot say values within the group are different from each other

1) Issues with a sensor at Clearwater and Belle Plaine resulted in moistures not being collected from a number of plots at harvest. The average moistures, that were collected for a location, were averaged and used across all repetitions without

# Plot Information

## Andale

**Planted:** 10/11/2022

**Harvested:** 6/27/2023

**Planting Rate:** 1.2 million seeds/ac

**Tillage:** Conventional

**Previous Crop:** Wheat

**Fertilizer:**

Pre-Plant

- 46-0-0: 105 lbs/ac
- 11-52-0: 60 lbs/ac
- 0-0-60: 35 lbs/ac

Planting

- 10-34-0: ~9 gal/ac

Topdress

- 28-0-0: 10 gal/ac

**Fungicide:** 5/18/2023

**GPS:** [37.714590, -97.624487](#)

## Caldwell

**Planted:** 10/11/2022

**Harvested:** 6/30/2023

**Planting Rate:** 1.2 million seeds/ac

**Tillage:** Minimum

**Previous Crop:** Wheat

**Fertilizer:**

- 18-46-0: 60 lbs/ac
- UAN-28%: 215 lbs/ac

**Fungicide:** No

**GPS:** [37.033268, -97.571753](#)

## Clearwater

**Planted:** 11/2/2022

**Harvested:** 6/28/2023

**Planting Rate:** 1.2 million seeds/ac

**Tillage:** No-Till

**Previous Crop:** Corn

**Fertilizer:**

Planting

- 10-34-0: ~10 gal/ac

Topdress

- Urea: 210 lbs/ac

**Fungicide:** No

**GPS:** [37.475868, -97.534560](#)

## Belle Plaine

**Planted:** 11/2/2022

**Harvested:** 6/28/2023

**Planting Rate:** 1.2 million seeds/ac

**Tillage:** No-Till

**Previous Crop:** Corn

**Fertilizer:**

- 115 lbs N/ac, 64 lbs P/ac,  
16 lbs K/ac

**Fungicide:** No

**GPS:** [37.347483, -97.223209](#)