



K-STATE

Research and Extension

South-Central Kansas Replicated Wheat Variety Tests 2026

Andale, Arkansas City, Belle Plaine, Buhler, Caldwell, Clearwater, Hesston

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SC KS Wheat Plots - Yield (bushels/acre)

Variety	Source	All	Andale	Ark City	Belle Plaine	Buhler ¹	Caldwell	Clearwater	Hesston
Kivari AX	PlainsGold	48.7	55.8	40.0	47.1	37.7	56.7	50.5	53.2
PS 1985	Phillips	47.0	55.3	33.4	39.3	30.0	57.4	57.2	56.4
KS Flintlock	KWA	47.0	54.5	40.2	41.9	27.5	61.3	52.6	52.6
KS150167-17	K-State	46.2	50.2	46.4	37.1	21.8	60.2	50.7	57.0
KS Bill Snyder	KWA	45.4	50.0	39.4	41.9	29.2	62.1	43.7	50.7
AG Golden	AGSECO	44.8	51.9	44.2	40.5	30.4	55.6	47.6	43.2
LCS Steel AX	LCS	44.5	57.4	33.6	48.3	29.2	53.9	45.8	43.2
AP Sunbird	AgriPro	43.9	48.6	32.2	46.3	33.1	56.6	46.5	44.1
WB4422	WestBred	43.9	45.5	37.6	44.3	29.5	56.9	50.1	43.5
LCS Warbird AX	LCS	43.4	48.7	37.3	41.2	26.1	54.3	50.0	46.1
LCS Mojo	LCS	43.1	41.7	43.7	41.6	20.7	54.2	51.5	48.3
KS Chikaskia	KWA	42.9	54.9	32.6	32.6	30.2	58.9	45.5	45.3
WB4445CLP	WestBred	42.4	46.3	43.9	41.4	29.3	51.3	45.7	39.3
Bernd	USDA	42.4	51.2	36.8	38.9	30.3	52.5	44.5	43.0
AP24 AX	AgriPro	42.3	48.9	38.3	45.3	23.2	50.7	45.4	44.6
Rock Star	Polansky	42.1	53.5	32.9	43.1	28.6	51.3	40.7	41.7
LCS Helix AX	LCS	41.9	49.1	33.9	39.1	24.9	56.6	46.7	43.0
KS Providence	KWA	41.9	49.3	32.5	34.4	31.5	54.7	41.2	49.4
WB 4401	WestBred	41.7	41.0	40.5	36.7	32.6	54.1	44.7	40.9
High Cotton	OGI	41.6	48.8	36.0	42.5	19.0	53.5	46.7	44.9
WB4523	WestBred	41.1	48.0	29.9	35.9	27.5	55.7	45.9	45.2
AP Prolific	AgriPro	41.0	50.2	34.9	37.3	20.3	51.6	43.7	47.3
KS Mako	KWA	41.0	49.7	33.5	32.8	22.1	53.3	44.3	48.3
LCS Aries	LCS	40.4	47.7	32.1	42.1	21.5	51.2	44.2	44.1
LCS Cowie AX	LCS	40.4	45.2	36.1	37.2	23.4	49.7	46.0	45.2
Golden Hawk	Polansky	39.3	49.7	32.2	34.0	23.4	55.7	37.9	42.5
WB4347	WestBred	39.3	45.1	34.5	37.3	24.7	50.1	39.4	44.0
Orange Blossom CL+	OGI	38.0	42.3	35.2	35.4	26.5	48.0	41.3	37.2
Average		42.8	49.3	36.6	39.8	26.9	54.6	46.1	45.9
Max		48.7	57.4	46.4	48.3	37.7	62.1	57.2	57.0
Min		38.0	41.0	29.9	32.6	19.0	48.0	37.9	37.2

*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) This location had hail damage

Plot Information

Andale

Planted: 10/20/2025

Harvested: 6/09/2026

Planting Rate: 1.2 million seeds/ac

Tillage: Conventional

Previous Crop: Wheat

Fertilizer: (per acre)

- Pre-Plant – 6 lbs N + 20 lbs P
- Topdress - 30 lbs N + 6 lbs S

Fungicide: No

Arkansas City

Planted: 10/16/2025

Harvested: 6/11/2026

Planting Rate: 1.2 million seeds/ac

Tillage: Reduced Till

Previous Crop: Grain Sorghum

Fertilizer: (per acre)

- 115 lbs N + 36 lbs P + 42 lbs K + 25 lbs S + 0.9 lbs Zn

Fungicide: No

Belle Plaine

Planted: 10/16/2025

Harvested: 6/10/2026

Planting Rate: 1.2 million seeds/ac

Tillage: No-Till

Previous Crop: Corn

Buhler

Planted: 10/23/2025

Harvested: 6/13/2025

Planting Rate: 1.2 million seeds/ac

Tillage: No-Till

Previous Crop: Corn

Note: Field suffered significant hail damage pre-harvest.

Plot Information

Caldwell

Planted: 10/16/2025

Harvested: 6/1/2026

Planting Rate: 1.2 million seeds/ac

Tillage: Conventional

Clearwater

Planted: 10/15/2025

Harvested: 6/09/2026

Planting Rate: 1.2 million seeds/ac

Tillage: No-Till

Previous Crop: Corn

Fertilizer: (per acre)

- 82 lbs N, 4 lbs S

Fungicide: No

Hesston

Planted: 10/17/2025

Harvested: 6/17/2026

Planting Rate: 1.2 million seeds/ac

Tillage: Conventional

Previous Crop: Wheat

Fertilizer: (per acre)

- 90 lbs N, 25 lbs P, 5 lbs S, 2 lbs Zn

Fungicide: No

Andale Soil Test

Depth: 0-6"

<i>Analysis</i>	<i>Value Found</i>	<i>Analysis</i>	<i>Value Found</i>
Soil pH (1:1, soil:water)	7.0	Buffer pH (Sikora)	7.2
Organic Matter (LOI), %	2.3%	Magnesium (Mg)	242 ppm
Phosphorus (P) Mehlich-3	36 ppm	Calcium (Ca)	2175 ppm
Potassium (K)	154 ppm	Sodium (Na)	23 ppm
Zinc (Zn) DTPA Extraction	1.6 ppm	Cation Exch. Capacity (Summation)	13.4 meq/100g

Ark City Soil Test

Depth 0-6"

<i>Analysis</i>	<i>Value Found</i>	<i>Analysis</i>	<i>Value Found</i>
Soil pH (1:1, soil:water)	6.5	Buffer pH (Sikora)	7
Organic Matter (LOI), %	2.6%	Magnesium (Mg)	400 ppm
Phosphorus (P) Mehlich-3	29 ppm	Calcium (Ca)	2711 ppm
Potassium (K)	127 ppm	Sodium (Na)	40 ppm
Zinc (Zn) DTPA Extraction	1.0 ppm	Cation Exch. Capacity (Summation)	21.1 meq/100g

Clearwater Soil Test

Depth 0-6"

<i>Analysis</i>	<i>Value Found</i>	<i>Analysis</i>	<i>Value Found</i>
Soil pH (1:1, soil:water)	6.2	Buffer pH (Sikora)	6.8
Organic Matter (LOI), %	2.2%	Magnesium (Mg)	349 ppm
Phosphorus (P) Mehlich-3	36 ppm	Calcium (Ca)	1679 ppm
Potassium (K)	121 ppm	Sodium (Na)	27 ppm
Zinc (Zn) DTPA Extraction	0.8 ppm	Cation Exch. Capacity (Summation)	16.9 meq/100g

Hesston Soil Test

Depth 0-6"

<i>Analysis</i>	<i>Value Found</i>	<i>Analysis</i>	<i>Value Found</i>
Soil pH (1:1, soil:water)	5.6	Buffer pH (Sikora)	6.4
Phosphorus (P) Mehlich-3	15 ppm	Potassium (K)	156 ppm