



K-STATE

Research and Extension

South Central Kansas Replicated Wheat Variety Tests 2020

Andale, Clearwater, Belle Plaine, Caldwell, Newton

Special thanks to:



South Central Kansas Wheat Plots



2020

Variety	Source	All		Andale		Clearwater		Belle Plaine		Caldwell		Newton	
		Yield (bu/A)	Test Wt (Lbs/Bu)	Yield (bu/A)	Test Wt (Lbs/Bu)	Yield (bu/A)	Test Wt (Lbs/Bu)	Yield (bu/A)	Test Wt (Lbs/Bu)	Yield (bu/A)	Test Wt (Lbs/Bu)	Yield (bu/A)	Test Wt (Lbs/Bu)
AG Icon	AGSECO	61.2	60.8	52.8	62.3	59.4	63.7	64.1	60.5	67.6	60.8	62.2	56.8
AM Cartwright	AgriMaxx	62.8	60.9	58.0	62.9	56.7	63.2	69.8	60.9	71.3	61.7	58.1	55.6
DoubleStop CL +	OGI	58.4	61.3	55.3	64.0	50.5	63.9	50.8	58.6	70.9	61.6	64.3	58.6
Everest	KWA	60.2	62.4	52.5	64.2	55.4	65.4	69.2	64.0	58.5	61.8	65.2	56.7
Gallagher	OGI	60.4	60.0	49.6	61.4	64.3	64.0	59.1	59.6	70.6	62.3	58.5	53.3
Green Hammer	OGI	57.4	60.0	57.4	62.2	55.5	63.2	45.5	58.7	69.6	62.0	59.2	53.9
KS Silverado (W)	KWA	58.0	62.3	49.9	64.2	57.8	65.5	61.5	60.7	62.0	63.0	58.8	57.7
KS Venada (W)	KWA	63.9	60.9	52.3	63.0	62.3	63.8	65.7	59.7	68.5	61.3	70.6	56.6
KS Western Star	KWA	58.1	58.7	50.6	61.1	56.0	61.9	61.2	54.8	62.3	59.2	60.3	56.6
KS090049K-8	K-State	57.0	60.8	47.8	62.0	53.8	64.4	59.2	62.0	62.8	62.9	61.4	53.6
KS12DH0156-88	K-State	56.9	58.3	44.1	57.4	55.9	61.8	59.8	57.2	66.2	61.1	58.4	54.0
Larry	KWA	59.6	60.6	44.6	60.6	61.9	63.5	58.7	59.7	69.0	63.3	63.8	56.1
LCS Atomic AX	LCS	65.0	60.9	51.7	61.0	62.8	63.1	69.2	61.4	73.1	63.4	68.1	55.4
LCS Chrome	LCS	61.9	60.6	53.7	61.8	59.1	63.5	69.2	60.2	68.6	60.4	59.0	57.1
LCS Fusion AX	LCS	54.5	57.1	51.5	59.5	60.2	60.4	52.0	54.8	56.8	58.9	52.0	52.0
LCS Helix AX	LCS	62.4	61.3	53.8	62.6	62.4	63.9	67.7	61.4	58.8	61.0	69.3	57.6
LCS Valiant	LCS	65.0	61.8	55.0	63.6	60.7	64.7	64.8	62.4	75.5	62.0	69.1	56.4
Paradise	Polansky	62.6	61.8	50.3	62.8	57.7	63.9	69.6	61.2	71.5	64.1	64.1	57.2
Rockstar	Polansky	69.0	59.3	59.0	60.9	65.1	62.2	75.5	56.7	74.5	61.2	71.2	55.7
Showdown	OGI	66.4	60.4	59.2	62.1	65.8	62.8	65.5	59.0	73.7	63.0	67.6	55.3
Smith's Gold	OGI	60.3	60.5	52.7	61.8	58.7	63.1	60.2	57.9	66.3	61.7	63.6	58.2
SY Achieve CL2	AgriPro	57.8	61.8	48.8	63.4	52.7	64.2	61.1	62.3	64.0	62.9	62.4	56.3
SY Bob Dole	AgriPro	62.3	60.9	49.4	62.4	55.8	63.5	66.8	60.4	67.4	62.8	72.0	55.2
SY Monument	AgriPro	61.7	59.4	52.5	60.8	62.5	62.2	60.3	58.7	63.5	60.0	69.6	55.2
SY Wolverine	AgriPro	61.2	62.0	49.0	62.5	58.3	64.7	64.7	61.9	65.0	64.7	68.9	56.0
WB4269	WestBred	63.6	62.3	54.5	64.4	58.8	64.7	66.6	62.8	68.4	62.4	69.5	57.4
WB4303	WestBred	60.5	56.8	46.5	56.5	61.1	61.5	58.4	55.4	67.8	59.3	68.9	51.9
WB4515	WestBred	56.6	62.2	50.6	64.1	56.5	65.3	55.4	61.2	57.1	61.5	63.5	59.1
WB4699	WestBred	64.5	59.8	56.8	61.3	58.3	62.5	64.8	58.5	63.9	61.9	78.6	54.8
Zenda	KWA	58.8	61.8	43.7	62.6	56.7	64.4	58.4	61.7	62.9	63.2	72.4	57.2
Average		60.9	60.6	51.8	62.0	58.8	63.5	62.5	59.8	66.6	61.8	65.0	55.9
Min		54.5	56.8	43.7	56.5	50.5	60.4	45.5	54.8	56.8	58.9	52.0	51.9
Max		69.0	62.4	59.2	64.4	65.8	65.5	75.5	64.0	75.5	64.7	78.6	59.1

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

Plot Information

Planting Rate: 90 lbs/ac

Andale

Planted: 10/17/2019

Harvested: 6/17/2020

Tillage: Conventional

Previous Crop: Wheat

Fertilizer and Herbicide:

9/30/2019

- 100 lbs N
- 40 lbs P
- 10 lbs K

3/13/2020

- 0.3 oz Finesse

Fungicide: None

-high disease pressure from Septoria tritici blotch and tan spot

Caldwell

Planted: 10/15/2019

Harvested: 6/11/2020

Tillage: Conventional

Previous Crop: Soybeans

Fertilizer:

- 60 lbs 18-46-0 through drill
- 90 lbs N from 28-0-0

Fungicide: None

Clearwater

Planted: 10/16/2019

Harvested: 6/17/2020

Tillage: No-till

Previous Crop: Soybeans

Fertilizer and Herbicide:

3/4/2020

- 166 lbs urea

3/12/2020

- 10 gal 28-0-0
- .75 oz Quelex
- 7 oz MCPA

Fungicide: 4/30/2020

- 4 oz Tilt (propiconazole)

Belle Plaine

Planted: 10/16/2019

Harvested: 6/17/2020

Tillage: No-till

Previous Crop: Corn

Fertilizer and Herbicide:

- 65 lbs 11-52-0
- 15 lbs 0-0-60
- 200 lbs 46-0-0 in spring

Fungicide:

- 4 oz Tebuconazole

Newton

Planted: 10/17/2019

Harvested: 6/17/2020

Tillage: No-till

Previous Crop: Corn

Fertilizer:

- 96 lbs N
- 36 lbs P

Fungicide:

- Aframe (Propiconazole & Azoxystrobin)



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