



# K-STATE

Research and Extension

## South Central Kansas Replicated Wheat Variety Tests 2019

Andale, Belle Plaine, Caldwell

Special thanks to:



# South Central Kansas Wheat Plots



## 2019

Name	Variety	Belle Plaine <sup>1</sup>		Caldwell		Andale		Andale No fungicide		All <sup>1</sup>	
		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)
1863	KWA	34.7	58.1	<b>78.3</b>	<b>59.1</b>	56.5	55.8	-	-	<b>67.0</b>	57.3
Bentley	OGI	23.1	57.1	64.6	57.3	53.4	55.0	-	-	58.5	56.1
Bob Dole	Agripro	27.1	57.6	<b>77.9</b>	57.8	<b>64.7</b>	57.6	-	-	<b>71.8</b>	57.9
Doublestop CL Plus	OGI	31.1	<b>61.1</b>	66.4	<b>60.4</b>	53.5	<b>60.2</b>	-	-	59.9	<b>60.3</b>
Everest	KWA	33.4	<b>59.6</b>	63.0	<b>59.7</b>	47.8	<b>58.6</b>	24.9	<b>53.9</b>	55.4	<b>59.1</b>
Gallagher	OGI	27.5	56.7	63.9	58.2	<b>57.8</b>	55.5	-	-	62.0	56.8
Larry	KWA	22.5	56.3	64.6	57.7	52.3	54.2	28.5	49.9	59.0	55.8
LCS Chrome	Limagrain	31.4	58.2	<b>74.6</b>	58.4	52.9	57.2	-	-	63.8	57.8
LCS Fusion AX	Limagrain	27.5	55.7	67.4	58.0	39.9	53.4	-	-	53.6	55.7
LCS Mint	Limagrain	26.2	58.1	<b>75.5</b>	58.0	45.5	55.9	-	-	59.2	57.0
Smith's Gold	OGI	27.4	<b>59.8</b>	59.0	<b>59.2</b>	52.4	56.6	-	-	55.7	57.9
Spirit Rider	OGI	30.8	56.4	<b>69.6</b>	<b>58.6</b>	36.7	53.1	-	-	53.1	55.9
SY Achieve CL2	Agripro	31.7	<b>59.3</b>	64.1	<b>59.2</b>	53.0	55.8	-	-	58.5	57.5
SY Benefit	Agripro	37.8	57.8	60.8	57.2	42.6	56.1	-	-	51.9	56.5
SY Flint	Agripro	30.2	58.4	<b>71.0</b>	54.8	40.9	54.7	-	-	55.9	54.8
SY Monument	Agripro	32.7	57.4	64.6	56.6	50.3	54.5	-	-	57.4	55.5
WB4269	WestBred	29.1	<b>60.1</b>	66.6	57.4	55.9	57.0	-	-	56.6	55.4
WB4303	WestBred	24.5	56.5	67.8	<b>59.7</b>	<b>58.2</b>	52.2	25.5	45.8	61.8	58.4
WB4458	WestBred	21.7	<b>59.7</b>	<b>67.9</b>	55.6	43.1	51.3	26.6	48.1	63.1	53.9
WB4515	WestBred	31.5	<b>59.0</b>	<b>70.8</b>	<b>59.1</b>	49.9	<b>57.9</b>	-	-	56.9	55.2
WB-Grainfield	WestBred	31.3	57.4	<b>73.2</b>	<b>60.3</b>	47.1	53.6	-	-	60.3	<b>58.5</b>
Zenda	KWA	36.9	<b>59.3</b>	66.0	58.3	52.6	<b>59.3</b>	<b>43.3</b>	<b>56.1</b>	59.7	<b>59.1</b>
Average		29.6	58.2	68.1	58.2	50.3	55.7	29.8	50.7	59.2	56.9
Min		21.7	55.7	59.0	54.8	36.7	51.3	24.9	45.8	51.9	53.9
Max		37.8	61.1	78.3	60.4	64.7	60.2	43.3	56.1	71.8	60.3
LSD (0.05)		NS	2.1	10.4	1.8	6.9	2.3		2.2	4.8	1.8

\*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

<sup>1</sup>Belle Plaine received heavy hail damage so was not used in "All" location analysis. "Andale No fungicide" results also not used.

## **Belle Plaine Plot**

**Planted:** 10/02/2018

**Fertilizer and Herbicide:**

- 100 lbs N
  - 92 lbs topdress in January
  - Rest applied in December
- 30 lbs P
- 10 lbs K
- 0.3 oz Finesse applied in December

**\*Suffered heavy hail damage**

## **Andale Plot**

**Planted:** 11/20/2018

**Fertilizer and Herbicide:**

9/27/2018

- 120 lbs urea
- 75 lbs 18-46-0
- 25 lbs 0-0-60

3/26/2019

- 10 gal 28-0-0
- 0.3 oz Finesse

**Fungicide:** 5/10/2019

- 4 oz Propi-Star EC/ac (propiconazole)

## **Caldwell Plot**

**Planted:** 10/02/2018

**Fertilizer and Herbicide:**

- 60 lbs NH<sub>3</sub>
- 60 lbs 18-47-0

**Fungicide:** 4/26/2019

- 4 oz Propi-Star EC/ac (propiconazole)



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