

## 2019 South-Central Kansas/North-Central Oklahoma Summary—Syngenta Dryland Trial Results Syngenta Commercial Variety Wheat Performance Test

Variety	3-Yr Combined (2017-2019)		2-Yr Combined (2018-2019)		Combined (2019)		Carrier, OK	Conway Springs, KS	Partridge, KS	Salina, KS
	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	Yield Bu/A	Yield Bu/A	Yield Bu/A
Hard Winter Wheat										
<b>SY Monument</b>	<b>70.9</b>	59	64.0	58	70.9	57	62.3	<b>74.8</b>	75.6	76.0
<b>SY Grit</b>	<b>70.0</b>	59	63.3	59	71.6	58	70.4	66.4	78.1	<b>86.6</b>
<b>SY Wolf</b>	69.8	58	62.0	58	<b>72.5</b>	55	69.9	67.6	79.9	74.6
<b>SY Benefit</b>	68.7	<b>60</b>	61.4	<b>60</b>	69.6	<b>60</b>	71.2	<b>69.1</b>	68.6	75.9
<b>SY 517 CL2</b>	68.3	<b>60</b>	61.5	<b>60</b>	70.6	<b>61</b>	63.0	67.2	<b>81.7</b>	75.3
<b>SY FLINT</b>	67.3	60	61.2	<b>60</b>	66.1	<b>60</b>	64.0	65.4	69.0	72.9
<b>SY Achieve CL<sup>2</sup></b>	65.4	<b>61</b>	58.6	<b>60</b>	68.1	<b>60</b>	65.3	62.6	76.5	74.9
<b>SY Rugged</b>	65.0	59	60.6	59	68.2	58	65.6	66.8	72.2	74.1
<b>AP503 CL<sup>2</sup></b>	65.0	<b>61</b>	57.5	<b>60</b>	65.7	<b>60</b>	64.3	64.4	68.4	72.2
<b>Bob Dole</b>			<b>67.3</b>	59	<b>78.3</b>	58	<b>75.1</b>	<b>75.4</b>	<b>84.4</b>	76.5
<b>SY Wolverine</b>			<b>66.9</b>	59	<b>78.8</b>	58	<b>80.7</b>	<b>74.9</b>	<b>80.9</b>	<b>88.4</b>
<b>AP18 AX</b>					<b>74.2</b>	58	72.9	<b>74.0</b>	75.7	<b>79.2</b>
Zenda	<b>72.9</b>	60	<b>66.6</b>	<b>60</b>	<b>75.0</b>	59	<b>78.6</b>	<b>70.5</b>	75.9	<b>81.7</b>
WB4303	<b>72.6</b>	58	<b>65.9</b>	57	<b>77.4</b>	55	<b>76.1</b>	<b>68.5</b>	<b>87.5</b>	<b>80.6</b>
Bentley	<b>71.1</b>	59	<b>66.0</b>	59	71.1	58	68.1	<b>71.7</b>	73.4	<b>78.6</b>
WB-Grainfield	69.3	59	61.5	59	68.2	57	52.9	<b>72.8</b>	78.9	72.2
Smith's Gold	69.3	60	61.1	59	71.2	59	69.0	67.1	77.4	73.9
WB4458	69.2	60	61.9	59	72.1	58	<b>78.9</b>	64.0	73.3	68.7
Larry	69.1	60	61.3	59	<b>72.1</b>	59	<b>75.6</b>	68.1	72.6	74.5
WB-CEDAR	67.6	60	61.5	59	71.2	58	<b>74.9</b>	65.2	73.6	73.2
Doublestop CL+	66.6	<b>60</b>	60.1	<b>60</b>	68.0	59	65.6	<b>70.3</b>	68.0	71.7
LCS Chrome	66.5	58	60.9	58	67.6	55	59.6	64.8	78.5	71.4
Everest	66.1	<b>61</b>	58.3	<b>61</b>	67.7	<b>60</b>	72.7	62.3	68.1	70.2
WB4269			64.0	<b>60</b>	71.4	<b>60</b>	69.4	<b>70.6</b>	74.3	74.5
Spirit Rider					70.0	<b>60</b>	69.6	<b>69.3</b>	71.0	76.5
LSC Link					66.9	56	60.5	62.0	78.1	77.1
Mean General	68.5	59.6	62.5	59.2	72.1	59.2	70.2	68.8	74.1	75.3
LSD General (5%) EE	3.1	1.0	3.8	1.2	6.7	1.2	7.5	7.0	7.4	10.5
CV (Effective)	6.7	2.1	6.7	2.1	7.0	2.1	6.5	6.2	6.1	8.5

**Boldfaced numbers are within confidence interval at specific locations and combined years of yield data.**

### Locations

2017 - Conway Springs, Partridge, Pratt, and Salina, KS; Tonkawa, OK

2018 - Conway Springs, Partridge, Pratt, and Ellsworth, KS

2019 - Conway Springs, Partridge, Salina, KS and Carrier, OK

Most sites in 2017-19 treated with Trivapro® fungicide.

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