

## 2019 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)		Bellville, KS	Carrier, OK	Conway Springs, KS	Osborne, 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	Yield Bu/A	Yield Bu/A
Hard Winter Wheat												
<b>SY Wolf</b>	<b>65.5</b>	58	60.3	57	<b>72.2</b>	58	<b>64.0</b>	69.9	67.6	<b>76.9</b>	79.9	74.6
<b>SY Monument</b>	<b>65.3</b>	58	60.4	57	<b>69.8</b>	<b>59</b>	<b>62.9</b>	62.3	<b>74.8</b>	<b>67.0</b>	75.6	76.0
<b>SY Grit</b>	<b>65.2</b>	58	60.3	57	<b>70.2</b>	<b>59</b>	59.3	70.4	66.4	60.3	78.1	<b>86.6</b>
<b>SY 517 CL<sup>2</sup></b>	63.2	<b>59</b>	58.3	<b>59</b>	68.0	58	59.8	63.0	67.2	61.1	<b>81.7</b>	75.3
<b>SY Benefit</b>	63.0	<b>59</b>	57.9	<b>58</b>	64.9	58	54.5	71.2	<b>69.1</b>	50.5	68.6	75.9
<b>SY Flint</b>	62.8	59	58.7	58	64.3	<b>59</b>	55.4	64.0	65.4	59.4	69.0	72.9
<b>SY Rugged</b>	60.2	58	56.4	57	66.8	56	53.6	65.6	66.8	<b>68.3</b>	72.2	74.1
<b>SY Achieve CL<sup>2</sup></b>	59.9	<b>59</b>	54.6	58	64.4	59	54.7	65.3	62.6	52.2	76.5	74.9
<b>AP503 CL<sup>2</sup></b>	59.4	<b>59</b>	53.4	<b>58</b>	62.2	<b>59</b>	49.8	64.3	64.4	54.0	68.4	72.2
<b>SY Wolverine</b>			<b>63.6</b>	58	<b>75.6</b>	57	61.6	<b>80.7</b>	<b>74.9</b>	<b>67.0</b>	80.9	<b>88.4</b>
<b>Bob Dole</b>			<b>62.7</b>	57	<b>75.0</b>	56	<b>64.8</b>	<b>75.1</b>	<b>75.4</b>	<b>73.5</b>	<b>84.4</b>	76.5
<b>AP18 AX</b>					68.8	58	55.6	72.9	<b>74.0</b>	55.8	75.7	<b>79.2</b>
WB4303	<b>66.9</b>	56	<b>61.9</b>	55	<b>73.9</b>	58	<b>64.0</b>	<b>76.1</b>	<b>68.5</b>	<b>66.8</b>	<b>87.5</b>	<b>80.6</b>
Bentley	<b>66.1</b>	58	<b>62.2</b>	57	<b>70.5</b>	59	59.1	68.1	<b>71.7</b>	<b>71.8</b>	73.4	<b>78.6</b>
Zenda	<b>65.3</b>	59	<b>61.5</b>	<b>58</b>	68.9	59	56.3	<b>78.6</b>	<b>70.5</b>	50.2	75.9	<b>81.7</b>
WB-Grainfield	64.5	58	57.9	57	65.9	57	57.2	52.9	<b>72.8</b>	61.1	78.9	72.2
Smith's Gold	64.2	59	57.8	58	67.8	<b>59</b>	55.6	69.0	67.1	<b>64.0</b>	77.4	73.9
WB-CEDAR	63.4	59	59.5	57	<b>69.5</b>	58	<b>63.7</b>	<b>74.9</b>	65.2	<b>66.6</b>	73.6	73.2
WB4458	62.5	58	57.1	57	62.9	58	51.2	<b>78.9</b>	64.0	41.5	73.3	68.7
Larry	62.4	59	57.1	58	65.9	<b>59</b>	57.5	<b>75.6</b>	68.1	46.9	72.6	74.5
Doublestop CL+	61.8	<b>60</b>	58.3	<b>59</b>	66.0	58	56.8	65.6	<b>70.3</b>	63.5	68.0	71.7
LCS Chrome	61.5	58	57.5	57	67.6	<b>59</b>	61.8	59.6	64.8	<b>69.4</b>	78.5	71.4
Everest	60.9	<b>60</b>	55.1	<b>59</b>	64.9	56	56.1	72.7	62.3	60.1	68.1	70.2
WB4269			<b>60.8</b>	58	<b>69.7</b>	<b>60</b>	<b>64.7</b>	69.4	<b>70.6</b>	<b>64.5</b>	74.3	74.5
LSC Link					67.4	58	<b>69.2</b>	60.5	62.0	57.4	78.1	77.1
Spirit Rider					62.8	58	41.4	69.6	<b>69.3</b>	49.2	71.0	76.5
Mean General	68.5	59.6	62.5	59.2	72.1	59.2	57.4	70.2	68.8	61.3	74.1	75.3
LSD General (5%) EE	3.1	1.0	3.8	1.2	6.7	1.2	7.0	7.5	7.0	13.4	7.4	10.5
CV (Effective)	6.7	2.1	6.6	2.1	7.0	2.1	7.5	6.5	6.2	10.7	6.1	8.5

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

### Locations

2017 - Belleville, Chanute, Conway Springs, Junction City, Partridge, Pratt, Sabetha, and Salina, KS; Tonkawa, OK

2018 - Belleville, Chanute, Conway Springs, Ellsworth, Junction City, Osborne, Partridge, Pratt, and Sabetha, KS

2019 - Belleville, Conway Springs, Osborne, Partridge, and Salina, KS; Carrier, OK

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

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