

## 2018 Central Kansas Summary—Syngenta Dryland Trial Results Syngenta Commercial Variety Wheat Performance Test

Variety	3-Yr Combined (2016-2018)		2-Yr Combined (2017-2018)		Combined (2018)		Belleville, KS	Ellsworth, KS	Junction City, KS	Osborne, KS	Pratt, KS	Conway Springs, KS	Partridge, 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	Yield Bu/A
Hard Winter Wheat													
<b>SY Monument</b>	<b>68.9</b>	60	<b>64.6</b>	59	<b>50.0</b>	58	35.5	<b>66.1</b>	<b>42.8</b>	<b>48.9</b>	39.6	<b>64.5</b>	52.7
<b>SY Grit</b>	<b>67.1</b>	60	<b>63.8</b>	59	<b>49.0</b>	57	<b>38.6</b>	63.6	<b>44.8</b>	<b>54.5</b>	36.7	54.7	50.2
<b>SY Benefit</b>	66.2	61	61.8	60	47.9	58	<b>38.2</b>	63.6	36.4	<b>54.5</b>	35.5	54.7	52.6
<b>SY Wolf</b>	66.1	61	62.4	60	47.5	59	<b>37.5</b>	61.2	40.0	<b>50.7</b>	39.5	55.7	47.7
<b>SY 517 CL<sup>2</sup></b>	65.9	61	61.6	60	47.9	58	<b>37.6</b>	61.1	38.6	<b>54.2</b>	35.9	57.3	50.2
<b>SY Rugged</b>	65.3	60	58.0	59	46.1	57	35.9	63.0	34.7	<b>45.9</b>	34.1	55.6	53.1
<b>SY Achieve CL<sup>2</sup></b>	64.6	62	58.7	60	43.8	57	<b>39.2</b>	58.2	32.0	<b>45.8</b>	33.8	51.0	46.4
<b>SY Flint</b>	64.4	61	61.8	60	<b>50.1</b>	58	<b>37.5</b>	<b>65.3</b>	<b>44.5</b>	<b>50.6</b>	37.1	58.7	<b>56.9</b>
<b>AP503 CL<sup>2</sup></b>	63.6	62	58.9	60	43.3	58	33.4	55.9	34.4	44.3	33.0	52.4	49.7
<b>SY Llano</b>	59.3	61	56.1	60	41.5	58	36.5	56.1	33.3	27.2	33.2	52.2	51.9
<b>Bob Dole</b>					<b>49.2</b>	57	<b>40.2</b>	<b>68.9</b>	39.1	38.3	39.1	<b>62.6</b>	<b>56.4</b>
Bentley	<b>69.7</b>	60	<b>65.0</b>	59	<b>51.9</b>	57	<b>39.9</b>	<b>67.1</b>	<b>44.6</b>	43.0	<b>44.6</b>	<b>62.5</b>	<b>61.5</b>
Gallagher	<b>68.1</b>	61	<b>66.3</b>	60	<b>49.1</b>	58	<b>37.9</b>	63.4	<b>43.1</b>	<b>53.3</b>	34.0	56.8	55.3
WB4458	66.0	61	62.1	60	<b>48.3</b>	58	<b>38.5</b>	61.6	40.3	<b>49.2</b>	37.0	57.1	54.7
Smith's Gold	65.9	61	62.6	60	46.4	58	<b>37.1</b>	60.3	35.3	<b>50.9</b>	31.3	58.0	51.5
Larry	65.9	61	61.4	60	45.8	58	31.7	62.6	34.5	<b>55.3</b>	34.4	52.7	49.5
Doublestop CL+	65.5	62	62.2	60	<b>49.2</b>	59	<b>41.7</b>	61.5	41.9	<b>56.1</b>	36.1	55.6	51.8
Everest	62.8	62	59.7	61	44.6	59	35.9	57.6	36.1	<b>47.5</b>	34.7	49.0	51.6
WB-Cedar	62.6	61	59.7	59	47.4	57	<b>39.8</b>	63.3	34.3	<b>52.6</b>	35.5	51.2	55.3
Zenda			<b>64.4</b>	60	51.3	59	<b>37.7</b>	<b>65.8</b>	<b>49.1</b>	<b>46.2</b>	<b>40.9</b>	<b>61.4</b>	<b>57.8</b>
WB4303			<b>63.5</b>	58	48.0	56	35.6	64.2	38.0	<b>48.3</b>	36.3	57.8	55.9
WB-Grainfield			<b>63.9</b>	59	48.0	57	<b>42.4</b>	64.4	37.2	41.2	32.7	<b>62.9</b>	55.0
LCS Chrome			59.7	59	46.3	58	31.7	<b>65.4</b>	38.2	41.6	35.8	<b>59.1</b>	52.4
WB4269					<b>49.9</b>	58	33.7	64.0	<b>42.7</b>	<b>50.2</b>	39.2	<b>59.7</b>	<b>60.1</b>
Mean General	65.4	60.9	62.4	59.5	48.2	58.0	38.3	63.4	39.2	49.0	36.5	57.2	54.3
LSD General (5%) EE	2.7	0.7	3.0	0.9	3.7	1.3	5.9	4.3	6.8	11.1	4.6	5.6	5.3
CV (Effective)	7.3	1.9	7.5	2.0	8.4	2.1	9.4	4.21	10.6	13.9	7.7	5.97	6.0

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

### Locations

2016 - Junction City, Belleville, Salina, Conway Springs, Partridge, and South Haven, KS. Carrier, Enid, and Tonkawa, OK

2017 - Junction City, Belleville, Salina, Conway Springs, Partridge, South Haven, and Pratt, KS. Tonkawa, OK

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

All sites in 2016-18 treated with Trivapro® fungicide.