

## 2018 South Dakota Summary—Syngenta Trial Results

### Syngenta Commercial Variety Wheat Performance Test

Variety	3-Yr Combined (2016-2018)		2-Yr Combined (2017-2018)		Combined (2018)			Kennebec, SD	Wall, SD	Winner, SD
	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	% Variety Mean	TWT Lb/Bu	Yield Bu/A	Yield Bu/A	Yield Bu/A
Hard Winter Wheat										
<b>SY Wolf</b>	<b>67.5</b>	61.0	<b>59.4</b>	60.9	<b>63.5</b>	107	60.9	65.6	<b>73.0</b>	<b>51.8</b>
<b>SY Monument</b>	<b>65.9</b>	60.4	<b>57.5</b>	60.4	<b>61.7</b>	104	60.4	64.9	<b>72.1</b>	48.0
<b>SY Sunrise</b>	<b>63.6</b>	61.2	<b>52.5</b>	60.0	<b>60.2</b>	101	60.0	<b>67.3</b>	64.8	48.4
<b>SY 517 CL<sup>2</sup></b>	<b>63.0</b>	61.9	<b>52.7</b>	61.8	56.9	96	61.8	59.0	65.9	45.9
<b>SY Benefit</b>	<b>62.8</b>	61.6	<b>52.8</b>	60.8	56.8	95	60.8	58.3	<b>67.8</b>	44.4
<b>SY Legend CL<sup>2</sup></b>	59.8	60.6	50.4	60.1	53.5	90	60.1	55.1	63.7	41.6
<b>AP503 CL<sup>2</sup></b>	58.2	62.3	44.2	61.3	47.3	79	61.3	46.1	62.1	33.7
Ideal	<b>67.1</b>	62.3	<b>58.5</b>	61.5	<b>66.0</b>	111	61.5	<b>71.2</b>	<b>73.3</b>	<b>53.5</b>
Overland	<b>64.9</b>	61.3	<b>52.9</b>	60.9	59.4	100	60.9	60.9	<b>70.1</b>	47.2
Redfield	<b>64.8</b>	62.5	<b>56.0</b>	61.1	<b>62.6</b>	105	61.1	<b>68.5</b>	<b>68.2</b>	<b>51.3</b>
Wesley	<b>64.3</b>	61.2	<b>55.3</b>	60.9	<b>63.3</b>	106	60.9	<b>70.0</b>	<b>74.8</b>	45.0
WB-Grainfield	<b>62.6</b>	60.6	<b>53.5</b>	60.7	55.6	93	60.7	55.4	65.7	45.6
Lyman	60.4	62.0	<b>54.4</b>	61.5	<b>62.4</b>	105	61.5	63.5	<b>71.4</b>	<b>52.1</b>
WB-Matlock	59.8	62.0	50.7	61.0	57.1	96	61.0	60.7	64.7	45.7
Jerry	51.1	61.0	45.4	60.4	49.3	83	60.4	45.5	60.4	41.9
LCS Mint			<b>52.9</b>	62.4	58.0	97	62.4	56.3	<b>74.4</b>	43.3
Oahe			48.4	61.0	55.5	93	61.0	49.7	<b>71.2</b>	45.5
WB4614			51.9	60.1	53.4	90	60.1	63.3	58.0	38.7
Ruth					<b>63.9</b>	107	61.3	65.5	<b>73.7</b>	<b>52.5</b>
Keldin					<b>60.4</b>	101	60.6	61.4	<b>69.1</b>	<b>50.7</b>
Mean General	63.7	61.5	54.3	61.0	59.5		60.9	63.0	68.7	47.0
LSD General (5%) EE	5.5	1.2	7.4	1.0	6.0		1.1	4.8	8.3	4.5
CV (Effective)	7.6	1.7	6.8	1.0	6.3		1.1	4.7	7.4	5.9

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

#### Locations

2016 - Agar, Ft. Pierre, and Winner, South Dakota

2017 - Winner, South Dakota

2018 - Kennebec, Wall, and Winner, South Dakota