

## 2022 South Dakota Summary, Three-Year Data

Syngenta Commercial Variety Wheat Performance Test, 2020-2022

Variety	3-Yr Combined (2020-2022)		2-Yr Combined (2021-2022)		Combined (2022)		Agar, SD	Ideal, SD	Reliance, SD
	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
Hard Winter Wheat									
<b>AP Clair</b>	<b>78.2</b>	<b>61.7</b>	<b>71.0</b>	<b>62.0</b>	<b>78.5</b>	<b>63.5</b>	<b>72.1</b>	<b>68.6</b>	<b>94.7</b>
<b>AP Bigfoot</b>	<b>76.8</b>	61.3	<b>66.9</b>	61.6	<b>74.0</b>	<b>63.1</b>	58.7	<b>68.5</b>	<b>91.9</b>
<b>SY Wolverine</b>	<b>75.2</b>	60.6	<b>66.8</b>	61.0	<b>73.0</b>	61.7	61.6	<b>74.7</b>	85.3
<b>SY Sunrise</b>	74.3	61.1	<b>66.5</b>	<b>62.0</b>	<b>73.9</b>	<b>63.1</b>	59.0	63.3	<b>96.0</b>
<b>AP18 AX</b>	73.6	60.4	64.7	60.7	<b>72.8</b>	61.5	56.1	65.7	80.0
<b>SY WOLF</b>	73.5	61.2	63.7	61.3	69.4	61.9	52.3	61.3	82.8
<b>AP Prolific</b>	71.3	60.6	60.8	60.6	67.3	61.5	48.4	<b>77.4</b>	85.3
<b>SY Monument</b>	69.7	59.6	60.4	59.6	65.5	60.2	47.8	57.1	<b>91.7</b>
<b>SY 517 CL<sup>2</sup></b>	67.2	<b>62.6</b>	57.6	<b>63.2</b>	64.9	<b>64.1</b>	47.8	63.9	72.5
Winner	<b>77.8</b>	60.8	<b>68.3</b>	61.0	<b>74.3</b>	62.1	59.7	<b>69.0</b>	<b>93.3</b>
WB4462	73.8	60.9	<b>65.5</b>	60.6	70.4	61.5	59.1	62.1	86.8
Draper	72.0	60.0	64.2	59.8	69.8	60.1	50.4	62.5	81.9
Ideal	72.0	61.3	62.6	61.0	65.5	62.5	58.7	<b>77.8</b>	86.4
Redfield	71.0	61.1	63.6	60.9	70.7	62.0	47.2	<b>71.9</b>	<b>90.3</b>
Oahe	67.7	<b>62.1</b>	58.9	<b>62.2</b>	61.4	<b>63.1</b>	60.4	<b>71.1</b>	80.6
WB4309			<b>65.2</b>	60.8	72.1	61.6	52.3	<b>70.3</b>	<b>93.6</b>
SD Andes			63.4	61.5	69.3	62.1	50.7	68.0	89.4
LCS Helix AX					<b>77.4</b>	<b>63.6</b>	58.8	<b>76.5</b>	<b>97.1</b>
Mean General	72.2	61.0	63.5	61.1	83.1	61.8	55.5	68.5	90.8
LSD General (5%) EE	3.8	0.9	5.9	1.3	6.2	1.5	9.6	9.6	7.1
CV (Effective)	6.0	1.6	7.9	1.9	5.1	1.6	10.6	8.5	4.8

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

### Locations

2020 — Agar, Hayes, Ideal, and Reliance, SD

2021 — Hayes and Ideal, SD

2022 — Agar, Ideal, and Reliance, SD