

## 2024 South Dakota Winter Wheat Summary, Three-Year Data

Syngenta Commercial Variety Wheat Performance Test, 2022-2024

Variety	3-Yr Combined (2022-2024)		2-Yr Combined (2023-2024)		Combined (2024)		Hayes, SD	Ideal, 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
Hard Winter Wheat								
<b>AP Sunbird</b>	<b>66.7</b>	<b>62.5</b>	56.0	62.1	58.6	<b>62.1</b>	<b>65.8</b>	51.4
<b>AP18 AX</b>	<b>65.0</b>	62.3	59.2	<b>62.9</b>	<b>72.2</b>	<b>62.9</b>	<b>69.0</b>	<b>75.4</b>
<b>AP24 AX</b>	<b>64.8</b>	61.5	57.9	<b>62.5</b>	<b>67.3</b>	61.7	<b>68.8</b>	65.7
<b>AP Bigfoot</b>	<b>62.5</b>	<b>62.7</b>	53.8	<b>62.5</b>	<b>61.6</b>	61.9	<b>66.6</b>	56.6
<b>AP Clair</b>	<b>62.3</b>	<b>62.8</b>	50.1	62.3	<b>62.6</b>	<b>62.9</b>	55.8	<b>69.4</b>
<b>SY Wolverine</b>	<b>61.7</b>	61.4	53.2	61.3	60.2	61.6	<b>70.0</b>	50.5
<b>AP Prolific</b>	<b>61.2</b>	<b>62.5</b>	56.7	<b>63.2</b>	<b>67.1</b>	<b>63.0</b>	<b>63.7</b>	<b>70.5</b>
<b>SY WOLF</b>	59.3	62.3	51.8	<b>62.6</b>	57.5	<b>62.1</b>	58.8	56.2
<b>SY 517 CL2</b>	56.9	<b>63.6</b>	50.9	<b>63.3</b>	53.3	<b>62.8</b>	58.3	48.3
<b>SY Monument</b>	56.8	60.6	50.2	60.9	55.6	59.9	59.1	52.0
LCS Helix AX	<b>65.5</b>	<b>63.6</b>	56.5	<b>63.6</b>	<b>66.8</b>	<b>63.3</b>	<b>65.6</b>	68.1
Winner	<b>64.3</b>	<b>62.7</b>	56.9	<b>63.1</b>	<b>67.6</b>	<b>62.4</b>	<b>69.1</b>	66.1
SD Andes	<b>63.2</b>	<b>62.9</b>	58.6	<b>63.5</b>	<b>67.7</b>	<b>63.8</b>	<b>66.3</b>	<b>69.1</b>
Draper	<b>62.9</b>	61.3	57.8	62.3	<b>68.1</b>	61.6	<b>65.2</b>	<b>70.9</b>
WB4422			57.1	<b>62.6</b>	<b>62.4</b>	61.2	<b>66.7</b>	58.0
SD Midland			55.9	<b>63.2</b>	<b>64.4</b>	<b>63.4</b>	<b>63.2</b>	65.6
Kivari AX					57.9	60.3	<b>63.8</b>	51.9
Mean General	62.3	62.3	55.0	62.5	61.0	61.4	62.1	59.9
LSD General (5%) EE	5.9	1.3	ns	1.3	11.6	1.8	7.3	6.4
CV (Effective)	8.3	1.9	9.0	1.5	6.9	1.4	7.2	6.5

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

*\* Not all plots were treated with a foliar fungicide and this likely impacted the yield results for some varieties.*

### Locations

2022 — Agar, Ideal, and Reliance, SD

2023 — Hayes and Ideal, SD

2024 — Hayes and Ideal, SD