

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	ldeal, SD*
Hard Winter Wheat	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	Yield Bu/A
AP Sunbird	66.7	62.5	56.0	62.1	58.6	62.1	65.8	51.4
AP18 AX	65.0	62.3	59.2	62.9	72.2	62.9	69.0	75.4
AP24 AX	64.8	61.5	57.9	62.5	67.3	61.7	68.8	65.7
AP Bigfoot	62.5	62.7	53.8	62.5	61.6	61.9	66.6	56.6
AP Clair	62.3	62.8	50.1	62.3	62.6	62.9	55.8	69.4
SY Wolverine	61.7	61.4	53.2	61.3	60.2	61.6	70.0	50.5
AP Prolific	61.2	62.5	56.7	63.2	67.1	63.0	63.7	70.5
SY WOLF	59.3	62.3	51.8	62.6	57.5	62.1	58.8	56.2
SY 517 CL2	56.9	63.6	50.9	63.3	53.3	62.8	58.3	48.3
SY Monument	56.8	60.6	50.2	60.9	55.6	59.9	59.1	52.0
LCS Helix AX	65.5	63.6	56.5	63.6	66.8	63.3	65.6	68.1
Winner	64.3	62.7	56.9	63.1	67.6	62.4	69.1	66.1
SD Andes	63.2	62.9	58.6	63.5	67.7	63.8	66.3	69.1
Draper	62.9	61.3	57.8	62.3	68.1	61.6	65.2	70.9
WB4422			57.1	62.6	62.4	61.2	66.7	58.0
SD Midland			55.9	63.2	64.4	63.4	63.2	65.6
Kivari AX					57.9	60.3	63.8	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



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