

2023 South Dakota Winter Wheat Summary, Three-Year Data

Syngenta Commercial Variety Wheat Performance Test, 2021-2023

Variety	3-Yr Combined (2021-2023)		2-Yr Combined (2022-2023)		Combined (2023)		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								
AP Clair	61.4	61.9	62.1	62.8	37.6	61.7	45.8	29.4
SY Wolverine	61.0	61.0	62.3	61.4	46.2	60.9	57.7	34.8
AP Bigfoot	60.9	62.0	62.8	63.1	46.0	63.1	54.7	37.3
AP18 AX	59.4	61.4	62.2	62.1	46.2	62.9	58.2	34.2
SY Wolf	58.6	61.8	60.0	62.4	46.0	63.1	54.9	37.2
SY Sunrise	58.5	62.0	59.7	62.7	38.5	62.0	40.4	36.6
AP Prolific	56.7	61.4	58.9	62.3	46.3	63.4	55.7	36.9
SY Monument	55.9	60.3	57.2	60.9	44.9	61.9	52.4	37.3
SY 517 CL2	55.0	63.4	58.3	64.0	48.5	63.7	60.0	37.0
AP Baldy	48.4	60.9	52.1	61.6	36.8	62.6	42.0	31.7
Winner	62.0	61.8	63.0	62.8	46.2	63.8	52.1	40.3
WB4309	59.9	60.8	62.0	61.3	46.9	60.9	56.1	37.6
SD Andes	59.5	62.0	61.4	62.6	49.6	63.2	58.7	40.5
Draper	59.5	60.7	60.9	61.2	47.5	62.9	57.0	38.0
Ideal	59.1	62.1	59.5	63.4	50.4	64.7	60.9	40.0
LCS Helix AX			64.9	63.7	46.2	63.8	56.0	36.4
WB4422					51.8	64.0	65.1	38.5
SD Midland					47.4	63.1	56.7	38.1
Mean General	58.4	61.6	61.5	62.2	45.0	62.3	54.4	35.7
LSD General (5%) EE	5.2	1.2	6.6	1.8	8.9	2.1	9.6	8.7
CV (Effective)	8.9	2.0	8.9	2.1	12.4	2.2	10.8	14.8

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

Locations

2021 — Hayes and Ideal, SD
 2022 — Agar, Ideal, and Reliance, SD
 2023 — Hayes and Ideal, SD