

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									
AP Clair	78.2	61.7	71.0	62.0	78.5	63.5	72.1	68.6	94.7
AP Bigfoot	76.8	61.3	66.9	61.6	74.0	63.1	58.7	68.5	91.9
SY Wolverine	75.2	60.6	66.8	61.0	73.0	61.7	61.6	74.7	85.3
SY Sunrise	74.3	61.1	66.5	62.0	73.9	63.1	59.0	63.3	96.0
AP18 AX	73.6	60.4	64.7	60.7	72.8	61.5	56.1	65.7	80.0
SY WOLF	73.5	61.2	63.7	61.3	69.4	61.9	52.3	61.3	82.8
AP Prolific	71.3	60.6	60.8	60.6	67.3	61.5	48.4	77.4	85.3
SY Monument	69.7	59.6	60.4	59.6	65.5	60.2	47.8	57.1	91.7
SY 517 CL²	67.2	62.6	57.6	63.2	64.9	64.1	47.8	63.9	72.5
Winner	77.8	60.8	68.3	61.0	74.3	62.1	59.7	69.0	93.3
WB4462	73.8	60.9	65.5	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	77.8	86.4
Redfield	71.0	61.1	63.6	60.9	70.7	62.0	47.2	71.9	90.3
Oahe	67.7	62.1	58.9	62.2	61.4	63.1	60.4	71.1	80.6
WB4309			65.2	60.8	72.1	61.6	52.3	70.3	93.6
SD Andes			63.4	61.5	69.3	62.1	50.7	68.0	89.4
LCS Helix AX					77.4	63.6	58.8	76.5	97.1
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