



**SOUTH DAKOTA
STATE UNIVERSITY**

College of Agriculture, Food and Environmental Sciences |
SDSU Extension | South Dakota Agricultural Experiment Station

2025 South Dakota Winter Wheat Variety Trial Results - Winner

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Cooperator: Jorgensen Land and Cattle

Location: 43.5436079°, -99.9028659°

Soil type: Millboro silty clay, 0-3% slopes

Previous crop: Spring Wheat

Tillage: No-till

Row spacing: 7.5"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 10 gal/acre 10-34-0
- Other: 42 gal/A UAN

Herbicide:

- Burndown: Not reported
- Post: 1 pts/acre Bison

Fungicide: None

Date seeded: 9/25/2024

Date harvested: 7/28/2025



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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2025 at Winner, SD. Entries are sorted by overall 3-year yield. Varieties yielding in the top 1/3 of the trial are bold and shaded light blue.

Variety	Height (in)	Lodging* (1-5)	Test Wt (lbs)	Protein %	2023 (bu/a)	2024 (bu/a)	2025 (bu/a)	2-year (bu/a)	3-year (bu/a)
Winner	32	1.0	59.8	12.2	44.5	80.4	72.5	76.5	68.5
SD Andes	33	1.0	60.9	12.1	40.5	85.7	66.3	76.0	67.1
SD Midland	34	1.0	60.2	12.4	50.4	80.5	64.7	72.6	67.0
Draper	32	1.0	59.0	12.4	42.2	80.3	67.5	73.9	66.0
CP7017AX	31	1.0	58.0	12.0	40.4	71.0	71.8	71.4	63.6
MS Maverick	32	1.0	60.5	13.4	49.1	74.1	61.4	67.8	63.1
WB4422	31	1.0	60.4	13.4	39.1	71.3	68.7	70.0	62.2
LCS Helix AX	32	1.0	60.2	11.9	40.8	73.9	64.6	69.2	62.1
AP Bigfoot	31	1.0	58.9	12.1	37.6	68.9	71.5	70.2	62.0
SD Pheasant	33	1.0	61.0	12.2	46.4	56.2	76.0	66.1	61.2
CP7869	32	1.0	59.4	12.5	42.0	82.0	52.1	67.1	60.8
CP7266AX	32	1.0	59.8	13.1	38.2	78.9	55.6	67.3	60.0
Kivari AX	33	1.0	58.0	11.1	46.8	65.8	62.5	64.2	59.8
CP7909	31	1.0	60.1	12.3	38.2	66.4	66.4	66.4	59.3
AP Clair	30	1.0	59.7	12.1	34.5	67.9	63.6	65.7	57.9
Ideal	35	1.0	60.8	12.6	45.7	53.1	68.0	60.5	56.8
Crescent AX	32	1.0	59.2	12.9	34.8	69.3	54.7	62.0	55.2
Expedition	33	1.0	59.3	13.5	42.0	54.3	48.2	51.2	48.9
AP 24AX	32	1.0	57.1	12.0	-	83.8	66.7	75.3	-
LCS Warbird AX	31	1.0	59.4	12.1	-	80.4	65.3	72.9	-
LCS Julep	31	1.0	61.3	13.2	-	72.8	71.6	72.2	-
AACVortex	34	1.0	61.0	13.4	-	-	54.5	-	-
APSunbird	30	1.0	58.6	11.2	-	-	67.4	-	-
CO19D087R	28	1.0	57.5	11.9	-	-	61.6	-	-
CP7050AX	30	1.0	59.6	13.0	-	-	60.2	-	-
CP7319AX	30	1.0	60.5	12.4	-	-	58.0	-	-
CP7462	29	1.0	56.3	12.5	-	-	60.8	-	-
LCSAries	30	1.0	60.1	11.7	-	-	66.5	-	-
LCSMojo	32	1.0	58.6	12.4	-	-	69.0	-	-
LCSRadar	32	1.0	59.1	12.7	-	-	65.6	-	-
LCSSteelAX	35	1.0	59.6	12.5	-	-	59.0	-	-
WB4540	32	1.0	56.3	12.9	-	-	67.6	-	-
Trial Average#	32.2	-	59.4	12.4	41.4	69.1	66.4	67.8	59.0
LSD (0.05)†	1.8	-	1.1	0.8	7.9	7.6	7.3	-	-
C.V. %‡	4.1	-	1.3	4.6	13.5	7.9	7.9	-	-

* Lodging score: 1, perfectly standing; to 5, completely flat.

Corrected to 13% moisture. Note: Trial averages may include values from experimental lines that are not reported.

† Value required (\geq LSD) to determine if varieties are significantly different from one another.

‡ C.V. is a measure of variability or experimental error, 15% or less is considered acceptable.