



**SOUTH DAKOTA
STATE UNIVERSITY**

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

2026 South Dakota Winter Wheat Variety Trial Results - Winner

David Karki | SDSU Extension Agronomist
Sunish Sehgal | SDSU Winter Wheat Breeder
Shawn Hawks | Agricultural Research Manager
Cody Hall | Agricultural Research Assistant

Cooperator: Jorgensen Land and Cattle

Location: 43.574648°, -99.902005°

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

Previous crop: Oats

Tillage: No-till

Row spacing: 7.5"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 10 gal/acre 10-34-0
- Other: 25 gal/acre UAN

Herbicide:

- Burndown: Not reported
- Post: 1 pts/acre PerfectMatch + 10 oz NIS

Fungicide: None

Date seeded: 9/24/2025

Date harvested: 7/27/2026



**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

2026 South Dakota Winter Wheat Variety Trial Results Winner

Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2026 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 %	2024 (bu/a)	2025 (bu/a)	2026 (bu/a)	2-year (bu/a)	3-year (bu/a)
SD ANDES	22.0	2.0	58.6	15.4	85.7	66.3	33.3	49.8	61.8
AP 24AX	19.5	2.5	58.3	13.8	83.8	66.7	33.7	50.2	61.4
SD VIVIAN	22.0	2.5	57.2	15.8	72.8	74.7	30.6	52.7	59.4
SD MIDLAND	21.5	2.0	56.4	15.0	80.5	64.7	32.6	48.7	59.3
LCS WARBIRD AX	17.5	2.5	59.1	15.4	80.4	65.3	31.3	48.3	59.0
DRAPER	19.0	2.5	57.6	15.5	80.3	67.5	27.2	47.4	58.3
CP7017AX	16.5	3.0	59.1	14.1	71.0	71.8	29.9	50.8	57.6
WINNER	18.0	2.0	57.7	15.8	80.4	72.5	26.6	49.5	56.9
SD PHEASANT	22.5	2.5	59.0	15.2	56.2	76.0	35.3	55.6	55.8
WB4422	19.5	2.0	58.7	15.8	71.3	68.7	27.3	48.0	55.7
LCS HELIX AX	18.0	2.0	59.3	15.1	73.9	64.6	25.1	44.9	54.5
CP7599CLP	18.5	2.0	60.2	16.3	82.0	52.1	28.7	40.4	54.3
AP CLAIR	18.0	2.0	56.3	14.6	67.9	63.6	27.7	45.7	53.1
CP7869	15.5	3.0	58.8	15.3	66.4	66.4	25.2	45.8	52.6
EXPEDITION	20.5	2.5	57.5	15.9	54.3	48.2	25.3	36.7	42.6
AP SUNBIRD	16.0	2.5	60.2	14.8	-	67.4	31.6	49.5	-
CP7462	14.0	2.0	56.7	15.0	-	60.8	26.9	43.8	-
LCS RADAR	16.5	2.0	58.4	15.1	-	65.6	29.1	47.4	-
WB4540	18.0	3.0	56.2	15.3	-	67.6	29.6	48.6	-
AP TANGO	16.5	2.0	59.3	14.8	-	-	28.9	-	-
CP7909	17.0	2.5	58.2	15.2	-	-	27.3	-	-
LCS ATOMIC AX	15.5	3.0	58.5	15.4	-	-	24.1	-	-
NE DAYBREAK	18.0	2.0	56.3	15.5	-	-	25.4	-	-
NE FENSTER	20.0	2.5	54.8	16.1	-	-	26.7	-	-
NE DUNBAR CLP	19.0	2.0	57.0	15.5	-	-	26.6	-	-
WB4459AX	19.5	2.5	59.4	14.3	-	-	31.6	-	-
Trial Average#	18.6	2.3	57.8	15.1	69.1	66.4	29.6	48.0	55.0
LSD (0.05)†	4.6	-	2.2	1.0	7.6	7.3	8.2	-	-
C.V. %‡	12.2	-	1.9	3.3	7.9	7.9	13.8	-	-

* 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 (≥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.

§ Height is measured on two replications