



**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 - Mount Vernon

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Cooperator: Edinger Brothers

Location: 43.803287, -98.514345

Soil type: Houdek-Dudley complex, 0-2% slopes

Previous crop: Soybean

Tillage: No-till

Row spacing: 8"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 90 lbs/acre 30-10-10
- Other: 105-10-0

Herbicide:

- Burndown: None
- Post: .6gal Affinity TM, 6.4oz Brox M, 10oz Comet, 2.56gal Moly, 2gal Propi, 1pt/100gal NIS, 2 lbs AMS

Fungicide: 8oz/acre Nexicor @ flag leaf with 2.5oz/acre Warrior

Date seeded: 9/30/2025

Date harvested: 7/27/2026



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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2026 at Mount Vernon, 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 PHEASANT	24.3	1.3	58.7	14.8	94.1	not	53.1	NA	73.6
WINNER	24.5	1.5	58.0	14.2	93.5	harvested	47.2	-	70.3
SD VIVIAN	25.5	1.0	58.4	15.0	91.2	-	49.4	-	70.3
WB4422	23.0	1.0	59.5	13.4	91.0	-	48.5	-	69.7
SD ANDES	23.5	1.3	59.5	13.6	85.4	-	52.2	-	68.8
DRAPER	23.0	1.0	58.0	15.1	85.3	-	48.4	-	66.8
SD MIDLAND	26.5	1.3	57.7	13.2	83.2	-	49.8	-	66.5
AP 24AX	24.5	1.8	57.2	13.5	83.0	-	49.7	-	66.4
AP CLAIR	22.3	1.0	57.8	14.3	82.3	-	49.6	-	66.0
CP7909	22.0	1.8	58.2	13.4	85.6	-	46.2	-	65.9
CP7869	22.0	1.8	57.2	14.6	83.3	-	44.5	-	63.9
LCS WARBLER AX	21.8	1.8	57.9	14.5	80.5	-	43.3	-	61.9
LCS HELIX AX	23.8	1.8	59.2	14.2	73.2	-	46.4	-	59.8
EXPEDITION	23.0	1.8	57.7	16.4	75.7	-	36.7	-	56.2
AP SUNBIRD	20.8	2.0	59.2	13.1	-	-	50.9	-	-
AP TANGO	21.0	1.3	58.6	12.8	-	-	51.1	-	-
CP7017AX	21.8	1.8	58.1	13.9	-	-	46.6	-	-
CP7462	19.3	1.3	57.0	13.9	-	-	44.2	-	-
CP7599CLP	23.0	1.5	59.1	15.2	-	-	46.0	-	-
LCS ATOMIC AX	22.8	1.3	57.7	15.1	-	-	42.8	-	-
LCS RADAR	21.8	1.3	57.8	15.0	-	-	45.8	-	-
NE DAYBREAK	23.5	1.3	57.2	14.4	-	-	50.6	-	-
NE DUNBAR CLP	22.8	1.0	57.3	14.8	-	-	42.7	-	-
NE FENSTER	24.8	1.0	56.4	14.9	-	-	43.7	-	-
WB4459AX	24.5	1.8	42.7	13.7	-	-	47.7	-	-
WB4540	24.3	1.3	56.4	14.9	-	-	45.4	-	-
Trial Average#	23.0	1.4	57.4	14.3	82.4	-	48.7	-	65.5
LSD (0.05)†	2.1	-	6.4	1.2	7.8	-	4.3	-	-
C.V. %‡	6.5	-	7.9	6.2	6.7	-	6.3	-	-

* 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.