



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

2026 South Dakota Winter Wheat Variety Trial Results - Pierre

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

Cooperator: Dakota Lakes Research Farm, Natalie Sturm, Manager

Location: 44.292795°, -99.990924°

Soil type: Millboro silt loam, 0-3% slopes

Previous crop: Pea

Tillage: No-till

Row spacing: 7.5"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: None
- Other: 26.1-0-0-2.6s @ 25 gal/ac

Herbicide:

- Burndown: Glyphosate @ 26 oz/ac and 2,4-d @13 oz/ac; Paraquat @ 50 oz/ac and Curtail @ 26 oz/ac
- Post: Bromac Advanced @ 0.8 pt/ac and Stinger @ 0.3 pt/ac

Fungicide: None

Date seeded: 9/24/2025

Date harvested: 7/13/2026



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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2026 at Pierre, 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)
AP 24AX	29.0	2.0	63.6	13.7	95.6	42.5	106.0	74.3	81.4
SD VIVIAN	28.3	2.5	65.0	15.3	92.8	48.6	97.2	72.9	79.5
SD ANDES	27.3	1.0	66.7	13.6	95.9	45.7	96.8	71.2	79.4
LCS HELIX AX	28.0	3.5	65.4	14.5	87.4	50.3	96.1	73.2	77.9
SD PHEASANT	28.3	2.5	64.0	15.5	84.3	52.7	93.8	73.3	76.9
WB4422	27.8	3.0	65.0	14.9	89.0	39.4	97.5	68.5	75.3
CP7017AX	27.0	5.5	63.8	14.1	91.1	39.1	95.7	67.4	75.3
LCS WARBLER AX	28.0	5.0	64.5	15.1	86.8	38.5	99.9	69.2	75.0
SD MIDLAND	27.8	1.0	64.2	14.2	90.5	37.1	95.4	66.2	74.3
AP CLAIR	26.3	1.0	65.0	15.3	86.9	37.8	91.0	64.4	71.9
DRAPER	26.5	2.8	63.2	15.1	85.7	41.2	88.4	64.8	71.8
WINNER	27.0	1.3	62.4	16.5	98.2	40.8	70.3	55.5	69.8
EXPEDITION	28.8	4.0	65.2	15.2	77.6	37.6	88.8	63.2	68.0
CP7909	24.5	5.3	62.8	15.3	80.5	40.1	79.7	59.9	66.8
CP7869	26.3	2.0	63.2	15.9	89.2	37.3	71.1	54.2	65.9
AP SUNBIRD	27.3	6.0	64.1	14.0	-	44.8	96.4	70.6	-
CP7462	23.5	1.0	55.9	16.6	-	35.7	31.5	33.6	-
WB4540	25.5	2.0	62.4	15.5	-	36.2	76.7	56.5	-
AP TANGO	24.0	2.8	64.5	14.0	-	-	86.5	-	-
CP7599CLP	27.8	4.5	64.4	15.6	-	-	92.8	-	-
LCS ATOMIC AX	25.8	4.5	66.5	11.6	-	-	94.3	-	-
LCS RADAR	26.0	7.0	62.7	15.9	-	-	74.1	-	-
NE DAYBREAK	26.5	2.0	63.1	15.0	-	-	87.1	-	-
NE FENSTER	29.8	1.8	64.0	15.6	-	-	84.1	-	-
NE DUNBAR CLP	26.5	2.5	64.3	15.2	-	-	87.5	-	-
WB4459AX	29.0	3.8	63.4	14.9	-	-	82.3	-	-
Trial Average#	27.2	2.6	64.0	14.7	86.2	42.0	88.9	65.5	72.4
LSD (0.05)†	2.1	-	1.7	2.1	6.9	6.5	10.8	-	-
C.V. %‡	5.5	-	1.9	10.4	5.7	11.2	8.6	-	-

* 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.