



**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 - South Shore

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Location: 45.105934°, -97.101184°

Soil type: Kranzburg-Brookings silty clay loams, 0-2% slopes

Previous crop: Oats

Tillage: No-till

Row spacing: 8"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 90 lbs/acre 30-10-10
- Other: 200-0-50 broadcast early spring

Herbicide:

- Burndown: None
- Post: 16 oz Bronate

Fungicide: None

Date seeded: 10/1/2025

Date harvested: 7/21/2026



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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2026 at South Shore, 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	31	1	60.9	13.1	65.8	not	80.4	NA	73.1
SD MIDLAND	31	1	60.7	13.0	59.5	harvested	76.0	-	67.7
DRAPER	30	1	61.0	14.0	63.0	-	72.1	-	67.5
CP7869	29	1	61.7	13.7	68.3	-	65.2	-	66.8
LCS WARBIRD AX	27	1	61.6	14.8	72.4	-	60.7	-	66.6
WINNER	30	1	61.6	13.7	58.0	-	74.3	-	66.1
SD VIVIAN	30	1	56.9	14.0	57.6	-	74.3	-	65.9
AP 24AX	29	1	60.7	12.6	61.6	-	69.9	-	65.8
CP7017AX	26	1	62.1	12.9	59.7	-	66.5	-	63.1
WB4422	27	1	61.5	14.2	50.8	-	72.2	-	61.5
SD PHEASANT	31	1	58.6	14.9	45.6	-	76.2	-	60.9
LCS HELIX AX	28	1	61.5	13.3	54.7	-	65.4	-	60.0
AP CLAIR	26	1	61.2	13.8	39.2	-	68.9	-	54.0
EXPEDITION	29	1	60.1	14.9	44.9	-	57.5	-	51.2
CP7909	29	1	60.5	13.8	52.8	-	41.6	-	47.2
AP SUNBIRD	27	1	62.2	13.3	-	-	70.7	-	-
AP TANGO	26	1	61.7	12.9	-	-	71.7	-	-
CP7462	26	1	59.7	13.8	-	-	64.2	-	-
CP7599CLP	28	1	63.0	14.6	-	-	68.5	-	-
LCS ATOMIC AX	27	1	61.7	15.1	-	-	58.8	-	-
LCS RADAR	28	1	60.6	14.4	-	-	66.5	-	-
NE DAYBREAK	27	1	59.4	14.0	-	-	67.9	-	-
NE DUNBAR CLP	29	1	61.7	13.3	-	-	66.1	-	-
NE FENSTER	31	1	58.6	14.3	-	-	66.1	-	-
WB4459AX	29	1	61.7	12.8	-	-	61.0	-	-
WB4540	30	1	59.1	14.0	-	-	73.8	-	-
Trial Average#	29	-	60.3	13.7	53.5	-	69.0	-	61.3
LSD (0.05)†	2.3	-	1.5	0.4	6.2	-	8.9	-	-
C.V. %‡	5.7	-	1.8	2	8.7	-	9.2	-	-

* 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.