



**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 - Hayes

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Cooperator: Terry Hand

Location: 44.3893919°, -101.0334535°

Soil type: Promise clay, 0-3% slopes

Previous crop: Fallow

Tillage: No-till

Row spacing: 7.5"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 10 lbs/acre 10-34-0
- Other: 200 lbs. of urea, 17 gal/a UAN

Herbicide:

- Burndown: Not reported
- Post: 1 pt/acre Perfect Match and 1 pt/acre MSO

Fungicide: None

Date seeded: 10/1/2025

Date harvested: 7/14/2026



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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2026 at Hayes, 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	27.0	1.0	64.1	12.8	77.0	52.2	87.8	70.0	72.3
LCS HELIX AX	25.5	1.3	66.9	12.2	73.7	54.1	82.0	68.0	69.9
WB4422	26.3	1.0	66.9	13.6	74.5	44.4	88.6	66.5	69.2
SD VIVIAN	27.8	1.0	65.9	13.3	77.4	41.3	88.3	64.8	69.0
WINNER	25.5	1.0	65.1	12.8	73.7	46.9	85.4	66.2	68.7
DRAPER	25.8	1.3	65.9	13.1	72.8	45.9	85.2	65.6	68.0
LCS WARBLER AX	25.0	1.0	66.7	13.4	75.6	49.0	79.2	64.1	68.0
SD PHEASANT	28.0	1.0	65.1	12.8	70.2	44.6	87.0	65.8	67.3
SD ANDES	26.8	1.0	66.3	12.9	73.5	40.5	86.7	63.6	66.9
CP7017AX	25.0	1.0	66.3	13.0	66.8	47.9	82.6	65.3	65.8
SD MIDLAND	26.8	1.0	64.2	13.5	70.2	44.3	82.0	63.1	65.5
AP CLAIR	25.3	1.0	65.5	13.2	67.2	43.8	79.2	61.5	63.4
CP7869	25.5	1.5	64.9	12.9	69.3	39.3	79.2	59.2	62.6
CP7909	25.3	1.8	65.0	13.3	67.6	38.3	78.0	58.1	61.3
EXPEDITION	26.8	1.3	66.0	13.7	65.6	39.5	74.6	57.1	59.9
AP SUNBIRD	24.5	1.5	65.6	13.4	-	49.4	83.7	66.6	-
CP7462	24.0	1.3	64.1	13.2	-	50.5	75.2	62.9	-
LCS RADAR	25.3	1.0	66.2	13.5	-	45.1	80.6	62.8	-
WB4540	26.3	1.3	63.4	13.5	-	39.7	81.2	60.4	-
AP TANGO	26.0	1.0	64.2	12.1	-	-	89.7	-	-
CP7599CLP	26.8	1.0	68.3	13.9	-	-	89.5	-	-
LCS ATOMIC AX	24.8	1.0	66.0	12.7	-	-	80.7	-	-
NE DAYBREAK	26.5	1.0	63.8	13.3	-	-	76.9	-	-
NE19619	28.3	1.0	63.1	14.8	-	-	81.9	-	-
NHH19668	26.3	1.0	64.9	13.4	-	-	79.8	-	-
WB4459AX	26.5	1.0	66.6	13.0	-	-	77.8	-	-
Trial Average#	26.4	1.1	65.2	13.2	69.6	45.0	83.0	64.0	65.9
LSD (0.05)†	1.6	-	0.9	0.8	5.4	7.4	5.3	-	-
C.V. %‡	4.2	-	1.0	4.3	5.5	9.25.8	4.5	-	-

* 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.