



**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 - Sturgis

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Cooperator: SDSU Sturgis Research Farm

Location: 44.424167°, -103.376111°

Soil type: Nunn clay loam, 0-2% slopes

Previous crop: Wheat

Tillage: No-till

Row spacing: 10"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 10 lbs/acre 10-25-0
- Other: 120 lbs of N/acre as UAN

Herbicide:

- Burndown: 32 oz/acre Roundup + 6 oz/A Sharpen
- Post: None

Fungicide: None

Date seeded: 9/24/2025

Date harvested: 7/28/2026



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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2026 at Sturgis, 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	24	1	59.6	13.8	71.3	76.9	39.8	58.4	62.7
SD PHEASANT	25	1	60.3	15.1	65.6	70.2	44.3	57.3	60.0
LCS WARBIRO AX	18	1	60.3	14.8	66.5	71.1	33.9	52.5	57.1
WINNER	22	1	58.6	14.9	66.7	70.7	33.4	52.0	56.9
SD MIDLAND	22	1	59.1	15.4	65.0	68.3	36.6	52.4	56.6
DRAPER	19	1	60.0	14.7	66.6	65.3	37.7	51.5	56.6
SD ANDES	23	1	60.7	14.9	65.2	61.5	41.5	51.5	56.1
CP7017AX	18	1	60.6	14.0	67.8	66.1	32.0	49.1	55.3
SD VIVIAN	26	1	60.8	15.9	65.1	65.7	31.2	48.5	54.0
CP7909	23	1	58.2	15.1	66.1	63.8	29.8	46.8	53.2
LCS HELIX AX	24	1	61.7	13.6	58.0	57.1	42.6	49.8	52.5
AP CLAIR	19	1	59.2	15.2	62.3	63.7	30.1	46.9	52.0
EXPEDITION	21	1	60.6	15.3	60.5	57.1	29.4	43.2	49.0
AP SUNBIRD	19	1	61.4	15.1	-	62.4	29.7	46.0	-
CP7462	20	1	60.6	14.2	-	63.6	35.7	49.6	-
WB4540	25	1	59.2	15.4	-	68.1	29.7	48.9	-
AP TANGO	22	1	59.2	14.3	-	-	36.4	-	-
CP7599CLP	20	1	61.3	14.8	-	-	27.8	-	-
CP7869	20	1	60.2	15.5	-	-	33.7	-	-
LCS ATOMIC AX	21	1	60.8	14.7	-	-	29.8	-	-
LCS RADAR	21	1	60.5	14.7	-	-	34.8	-	-
NE DAYBREAK	23	1	58.9	15.0	-	-	38.7	-	-
NE19619	24	1	59.0	15.2	-	-	39.1	-	-
NHH19668	21	1	58.3	15.5	-	-	31.1	-	-
WB4422	25	1	60.3	15.7	-	-	34.4	-	-
WB4459AX	24	1	60.2	14.9	-	-	33.8	-	-
Trial Average#	21.7	1.0	59.9	14.9	62.4	66.2	35.7	51.1	54.8
LSD (0.05)†	-	-	2.3	1.3	7.6	7.8	10.2	-	-
C.V. %‡	-	-	2.4	5.6	8.8	9.6	16.1	-	-

* 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 first replication