



**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 - McLaughlin-Selby

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Location: 45.803404, -100.643882°

Soil type: Highmore silt loam, cool, 2-6% slopes

Previous crop: Spring Wheat

Tillage: No-till

Row spacing: 7.5"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 10 gal/acre 10-34-0
- Other: 300lb/acre 40-0-5-2s-4cl top dress

Herbicide:

- Burndown: Not reported
- Post: Not reported

Fungicide: Not reported

Date seeded: 9/30/2025

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 McLaughlin-Selby area, 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	33.0	2.5	61.7	13.6	108.5	87.0	78.3	82.6	91.2
SD ANDES	31.5	1.5	62.6	11.7	109.5	79.7	84.1	81.9	91.1
WB4422	29.5	1.5	62.3	13.2	113.3	81.5	75.7	78.6	90.2
WINNER	31.0	2.5	61.8	12.0	109.7	86.3	73.3	79.8	89.8
AP 24AX	30.5	2.0	59.7	11.8	119.6	86.8	62.4	74.6	89.6
SD VIVIAN	31.5	2.0	61.3	12.6	120.6	86.2	61.0	73.6	89.3
SD MIDLAND	32.5	1.5	59.7	13.7	110.1	82.6	68.1	75.3	86.9
CP7017AX	26.5	2.5	62.2	11.5	117.9	77.3	65.4	71.4	86.9
DRAPER	29.5	2.0	60.7	12.5	107.1	76.7	75.2	75.9	86.3
LCS WARBLER AX	29.0	3.5	62.3	13.3	109.0	76.6	65.8	71.2	83.8
LCS HELIX AX	29.5	2.0	62.4	11.7	108.7	79.0	62.7	70.9	83.5
AP CLAIR	27.5	1.0	61.9	13.4	108.6	78.2	59.6	68.9	82.1
CP7909	30.5	4.5	60.5	13.2	111.9	70.3	60.2	65.2	80.8
EXPEDITION	30.0	3.0	60.6	13.0	105.3	71.0	56.6	63.8	77.7
AP SUNBIRD	28.5	3.5	61.9	11.8	-	85.7	76.8	81.3	-
CP7462	24.0	1.5	61.3	12.5	-	63.0	59.4	61.2	-
LCS RADAR	29.0	3.0	61.2	12.9	-	80.7	65.5	73.1	-
WB4540	29.5	2.5	59.6	12.7	-	66.1	58.5	62.3	-
AP TANGO	27.5	2.0	60.5	11.4	-	-	64.0	-	-
CP7599CLP	28.0	2.5	63.8	14.0	-	-	57.7	-	-
CP7869	27.0	2.5	61.5	12.8	-	-	53.4	-	-
LCS ATOMIC AX	30.5	2.5	61.3	12.1	-	-	68.9	-	-
NE DAYBREAK	31.5	2.5	60.0	13.0	-	-	72.0	-	-
NE FENSTER	32.5	3.0	59.1	13.4	-	-	64.7	-	-
NE DUNBAR CLP	29.5	2.0	59.8	13.4	-	-	61.3	-	-
WB4459AX	31.0	2.5	61.2	11.3	-	-	68.1	-	-
Trial Average#	29.8	2.1	61.3	12.1	110.4	79.3	76.2	77.8	88.6
LSD (0.05)†	3.8	-	2.2	3.1	7.2	10.1	30.1	-	-
C.V. %‡	6.4	-	1.8	12.4	4.7	8.0	19.3	-	-

* 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.