



**SOUTH DAKOTA
STATE UNIVERSITY**

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

2025 South Dakota Winter Wheat Variety Trial Results - Hayes

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Location: 44.3893919°, -101.0334535°

Soil type: Promise clay, 0-3% slopes

Previous crop: Spring Wheat

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, 19 gal/a UAN

Herbicide:

- Burndown: Not reported
- Post: 1 pt/acre Bison

Fungicide: None

Date seeded: 9/18/2024

Date harvested: 7/22/2025



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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2025 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 %	2023 (bu/a)	2024 (bu/a)	2025 (bu/a)	2-year (bu/a)	3-year (bu/a)
LCS Helix AX	31	1	56.8	13.2	70.8	73.7	54.1	63.9	65.6
MS Maverick	32	1	57.0	12.8	71.0	74.3	51.9	63.1	65.1
Winner	33	1	53.8	12.1	66.2	77.5	51.7	64.6	65.0
SD Midland	31	1	53.7	13.6	73.0	73.7	46.9	60.3	63.5
Kivari AX	32	1	54.3	14.4	69.2	73.4	48.8	61.1	63.1
SD Pheasant	31	1	54.6	15.4	69.0	74.5	44.4	59.5	61.8
Draper	33	1	54.0	14.0	74.3	70.2	44.3	57.3	61.5
Crescent AX	32	1	51.3	15.5	73.1	70.2	44.6	57.4	61.3
WB4422	29	1	55.8	13.3	72.9	66.8	47.9	57.4	61.2
CP7017AX	31	1	53.9	14.1	66.0	72.8	45.9	59.4	61.0
CP7266AX	31	1	52.4	15.0	70.8	69.1	43.6	56.3	60.0
AP Bigfoot	33	1	52.3	13.7	68.0	72.4	40.1	56.2	59.2
Ideal	31	1	54.0	14.4	64.4	73.5	40.5	57.0	58.8
SD Andes	32	1	52.3	15.0	64.3	69.1	41.7	55.4	57.6
CP7869	29	1	54.6	13.9	68.7	67.6	38.3	53.0	56.9
AP Clair	30	1	53.5	14.7	60.4	67.2	43.8	55.5	56.7
CP7909	30	1	52.9	14.5	62.7	69.3	39.3	54.3	56.4
Expedition	32	1	54.5	14.1	54.4	65.6	39.5	52.6	53.0
AP 24AX	33	1	52.5	12.9	-	77.0	52.2	64.6	-
LCS Warbird AX	29	1	56.1	13.2	-	75.6	49.0	62.3	-
LCS Julep	32	1	56.4	14.4	-	75.5	52.7	64.1	-
AACVortex	32	1	47.4	15.8	-	-	26.6	-	-
APSunbird	30	1	54.9	13.6	-	-	49.4	-	-
CO19D087R	28	1	52.1	12.8	-	-	44.3	-	-
CP7050AX	30	1	56.7	14.5	-	-	43.7	-	-
CP7319AX	29	1	55.4	14.4	-	-	42.2	-	-
CP7462	28	1	53.1	13.7	-	-	50.5	-	-
LCSAries	28	1	56.4	13.6	-	-	48.4	-	-
LCSMojo	31	1	53.1	14.1	-	-	43.9	-	-
LCSRadars	30	1	54.7	14.7	-	-	45.1	-	-
LCSSteelAX	33	1	53.1	13.3	-	-	48.2	-	-
WB4540	32	1	50.5	14.7	-	-	39.7	-	-
Trial Average#	31.1	1.0	53.5	14.2	68.0	69.6	45.0	57.3	60.9
LSD (0.05)†	1.5	-	1.3	0.9	6.2	5.4	7.4	-	-
C.V. %‡	3.3	-	1.7	4.8	6.5	5.5	9.25.8	-	-

* 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.