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 - Pierre

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Cooperator: Dakota Lakes Reseach Farm, Sam Ireland/Dwayne Beck, manager
Location: 44.292795°, -99.990924°
Soil type: Millboro silt loam, 0-3% slopes
Previous crop: Flax
Tillage: No-till
Row spacing: 7.5”
Seeding rate: 1.2 million PLS/acre
Fertilizer:
- Starter: None
- Other: 26.1-0-0-2.6S @ 33gal/ac (approx. 100 lbs N/ac and 10 lbs S/ac)

Herbicide:
- Burndown: Glyphosate @ 26oz/ac and Lovol 6 @ 10oz/ac; Glyphosate @ 26oz/ac and Curtail-M @ 26oz/ac
- Post: None

Fungicide: None
Date seeded: 9/19/2024
Date harvested: 7/15/2025

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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2025 at Pierre, 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)
SD Andes	32	1.0	61.8	14.3	**54.1**	**95.9**	**45.7**	**70.8**	**65.2**
SD Pheasant	34	1.0	59.7	14.9	**58.3**	84.3	**52.7**	**68.5**	**65.1**
Winner	32	1.0	59.6	14.4	**52.6**	**98.2**	40.8	**69.5**	**63.9**
MS Maverick	33	1.0	60.2	14.7	**54.0**	**89.2**	**48.4**	**68.8**	**63.9**
Kivari AX	33	1.0	59.4	13.1	47.6	87.6	**49.8**	**68.7**	**61.7**
SD Midland	34	1.0	60.6	15.1	**55.7**	**90.5**	37.1	63.8	**61.1**
Ideal	33	1.0	60.3	14.4	50.3	87.4	**45.5**	66.4	61.0
WB4422	32	1.0	61.0	15.3	**52.7**	89.0	39.4	64.2	60.4
LCS Helix AX	31	1.0	61.5	14.1	42.3	87.4	**50.3**	**68.8**	60.0
CP7017AX	28	1.0	60.3	14.7	47.1	**91.1**	39.1	65.1	59.1
Draper	31	1.0	58.3	15.9	48.5	85.7	41.2	63.4	58.5
CP7869	29	1.0	59.5	15.0	46.7	**89.2**	37.3	63.3	57.7
CP7909	29	1.0	58.9	14.8	49.9	80.5	40.1	60.3	56.8
AP Clair	30	1.0	59.5	14.7	44.8	86.9	37.8	62.3	56.5
AP Bigfoot	31	1.0	59.4	15.5	40.1	85.1	38.8	62.0	54.7
Crescent AX	33	1.0	60.2	14.6	40.8	83.7	39.5	61.6	54.7
CP7266AX	32	1.0	58.7	14.5	45.9	83.5	33.6	58.5	54.3
Expedition	33	1.0	60.5	15.5	46.3	77.6	37.6	57.6	53.9
AP 24AX	33	1.0	58.5	14.1	-	**95.6**	42.5	69.1	-
LCS Warbird AX	29	1.0	60.3	15.2	-	86.8	38.5	62.6	-
LCS Julep	31	1.0	61.8	14.7	-	84.4	**44.9**	64.7	-
AACVortex	33	1.0	57.5	16.1	-	-	30.3	-	-
APSunbird	30	1.0	61.2	14.2	-	-	44.8	-	-
CO19D087R	28	1.0	58.1	14.0	-	-	**46.4**	-	-
CP7050AX	30	1.0	61.0	15.6	-	-	35.5	-	-
CP7319AX	28	1.0	60.7	15.9	-	-	26.8	-	-
CP7462	28	1.0	57.8	15.3	-	-	35.7	-	-
LCSAries	29	1.0	61.0	14.4	-	-	39.6	-	-
LCSMojo	32	1.0	59.2	14.4	-	-	**40.8**	-	-
LCSRadar	30	1.0	58.3	15.8	-	-	44.4	-	-
LCSSteelAX	32	1.0	59.7	13.8	-	-	44.1	-	-
WB4540	33	1.0	57.3	15.6	-	-	36.2	-	-
Trial Average#	31.5	1.0	59.7	14.8	49.4	86.2	42.0	64.1	59.2
LSD (0.05)†	1.7	-	0.9	0.7	8.6	6.9	6.5	-	-
C.V. %‡	3.9	-	1.1	3.3	12.4	5.7	11.2	-	-

* 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.