



**SOUTH DAKOTA
STATE UNIVERSITY**

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

2026 South Dakota Spring Wheat Variety Trial Results - Claire City

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Location: 45.805705°, -97.092679°

Soil type: Peever clay loam, 2-6% slopes

Previous crop: Soybeans

Tillage: Conventional

Row spacing: 7"

Seeding rate: 1.8 million PLS/acre

Fertilizer:

- Starter: 90 lb / acre 30-10-10
- Other: 250 lb/acre 12-40-0-10S-1Z broadcast preplant

Herbicide:

- Burndown: none
- Post: 1.5 pt/acre Bromac + 15 oz/ac Axial Bold

Fungicide: None

Date seeded: 4/24/2026

Date harvested: 8/4/2026



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Table 1. 2026 spring wheat variety performance trial results (average of 4 replications) at Claire City, 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)	Heading (Julian Day)	Test Wt (lbs)	Protein %	2024 (bu/a)#	2025 (bu/a)	2026 (bu/a)	2-year (bu/a)	3-year (bu/a)
CP3055	33	not	179	57.0	12.1	not	69.7	48.5	59.1	NA
ND ROUGHRIDER	35	reported	173	59.9	13.8	harvested	50.6	60.9	55.8	-
MS CHARGER	33	-	172	61.3	12.7	-	54.4	56.6	55.5	-
ENHANCE-SD	35	-	170	60.6	14.1	-	60.0	48.4	54.2	-
ND STAMPEDE	33	-	170	59.8	13.6	-	52.3	53.3	52.8	-
DRIVER	34	-	175	61.4	14.6	-	59.1	45.5	52.3	-
ASCEND-SD	38	-	175	60.8	14.0	-	58.6	45.1	51.9	-
AP ICONIC	33	-	174	60.9	13.7	-	52.6	50.5	51.6	-
LCS CANNON	32	-	169	61.0	14.3	-	55.1	46.9	51.0	-
MS NOVA	32	-	170	60.8	14.9	-	48.9	51.5	50.2	-
MS COBRA	31	-	173	61.0	14.3	-	53.5	46.7	50.1	-
WB9590	31	-	172	60.7	14.9	-	52.7	47.2	49.9	-
MN ROTHSA	31	-	175	61.0	14.5	-	57.1	42.4	49.8	-
AP DAGR	30	-	175	60.8	13.2	-	50.2	49.0	49.6	-
CP3555	33	-	174	60.1	14.4	-	53.0	45.9	49.5	-
MN TORG	34	-	172	60.7	15.9	-	51.0	46.9	48.9	-
LCS ASCENT	32	-	169	59.7	13.8	-	51.6	44.5	48.1	-
SURPASS	35	-	170	59.4	14.7	-	45.6	50.3	47.9	-
AP ELEVATE	29	-	175	61.5	14.8	-	52.3	40.8	46.5	-
LCS BOOM	31	-	170	60.8	14.6	-	52.6	40.4	46.5	-
BRAWN-SD	37	-	172	61.4	14.0	-	40.8	51.5	46.1	-
CP 3604	35	-	176	60.9	15.0	-	-	46.8	-	-
FG HEINER	27	-	174	60.2	15.3	-	-	43.1	-	-
LAR22-00053	30	-	176	60.0	12.7	-	-	51.0	-	-
MS EXP-1	31	-	174	60.1	13.4	-	-	52.1	-	-
TCG-ARSENAL	35	-	177	60.9	14.7	-	-	51.2	-	-
VIRTUE ANDINA	27	-	174	59.3	14.7	-	-	36.2	-	-
VIRTUE HIMALAYA	28	-	177	58.3	13.6	-	-	46.0	-	-
WB9641	33	-	175	60.7	13.7	-	-	53.6	-	-
WB9645	34	-	175	60.6	14.9	-	-	48.7	-	-
Trial Average#	33	-	173	60.6	14.3	-	55.4	48.5	52.0	-
LSD (0.05)†	-	-	-	0.7	1	-	5.2	5.8	-	-
C.V. %‡	-	-	-	0.9	5	-	6.7	8.6	-	-

* Lodging score: 1, perfectly standing; to 5, completely flat.

Trial averages may include values from experimental lines that are not reported, yield is reported @13%M, protein is @12%M.

† 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.