



**SOUTH DAKOTA  
STATE UNIVERSITY**

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

# 2025 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 + 1pt/acre PerfectMatch

**Fungicide:** None

**Date seeded:** 4/24/2025

**Date harvested:** 8/26/2025



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Table 1. 2025 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)	Test Wt (lbs)	Protein %	2023 (bu/a)	2024 (bu/a)	2025 (bu/a)	2-year (bu/a)	3-year (bu/a)
LCS TRIGGER	36	1	63.3	11.6	<b>39.6</b>	not	<b>66.0</b>	not	<b>52.8</b>
LCS BUSTER	36	1	58.9	11.9	<b>42.5</b>	harvested	<b>59.7</b>	available	<b>51.1</b>
MN-ROTHSAY	31	1	57.7	14.0	<b>38.3</b>	-	<b>57.1</b>	-	<b>47.7</b>
DRIVER	36	1	62.8	14.5	35.7	-	<b>59.1</b>	-	<b>47.4</b>
ENHANCE-SD	34	1	57.8	15.2	29.3	-	<b>60.0</b>	-	<b>44.6</b>
ASCEND-SD	36	1	61.7	15.3	30.5	-	<b>58.6</b>	-	44.6
SY VALDA	32	1	60.7	14.7	<b>37.0</b>	-	51.5	-	44.2
MN-TORGY	33	1	59.7	14.6	<b>36.1</b>	-	51.0	-	43.6
LCS CANNON	33	1	62.9	14.6	31.0	-	55.1	-	43.0
LCS ASCENT	34	1	59.4	14.0	34.2	-	51.6	-	42.9
LCS BOOM	32	1	60.7	14.4	33.1	-	52.6	-	42.9
LCS DUAL	35	1	59.1	14.1	<b>39.6</b>	-	45.4	-	42.5
MS COBRA	33	1	59.7	14.6	31.3	-	53.5	-	42.4
WB9590	30	1	58.0	15.0	30.7	-	52.7	-	41.7
LCS HAMMER AX	33	1	55.5	14.7	27.7	-	54.8	-	41.2
CP3188	36	1	57.4	13.7	32.0	-	50.4	-	41.2
MS CHARGER	34	1	58.0	13.1	27.7	-	54.4	-	41.1
BRAWN-SD	32	1	60.1	15.1	<b>38.4</b>	-	40.8	-	39.6
SURPASS	33	1	56.8	15.3	28.1	-	45.6	-	36.8
AP DAGR	33	1	58.4	12.8	-	-	50.2	-	-
AP ELEVATE	32	1	59.5	14.1	-	-	52.3	-	-
AP ICONIC	36	1	57.4	13.6	-	-	52.6	-	-
CP3055	37	1	60.1	13.1	-	-	69.7	-	-
CP3119A	36	1	57.8	13.9	-	-	52.7	-	-
CP3555	36	1	56.7	13.6	-	-	53.0	-	-
MS NOVA	32	1	58.4	14.7	-	-	48.9	-	-
ND Horizon	34	1	59.7	14.8	-	-	58.2	-	-
ND Roughrider	36	1	57.5	15.05	-	-	50.6	-	-
ND STAMPEDE	34	1	59.9	16.2	-	-	52.3	-	-
<b>Trial Average#</b>	34	1	59.2	14.3	33.0	-	55.4	-	43.8
<b>LSD (0.05)†</b>	1.9	-	2.6	0.6	6.6	-	5.2	-	-
<b>C.V. %‡</b>	4.1	-	3.1	3.1	14.3	-	6.7	-	-

\* 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.