



**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 - Miller

David Karki | SDSU Extension Agronomist
Karl Glover | SDSU Spring Wheat Breeder
Shawn Hawk | Agricultural Research Manager
Jesse Hall | SDSU CPT Trial Manager

Cooperator: Lee Lichty

Location: 44.479505°, -98.742925°

Soil type: Houdek-Prosper loams, 0-2% slopes

Previous crop: Soybeans

Tillage: Min-till

Row spacing: 8"

Seeding rate: 1.8 million PLS/acre

Fertilizer:

- Starter: 90 lb / acre 30-10-10
- Other: 108-24-21-6s

Herbicide:

- Burndown: None
- Post: 2 pt/acre Bronate

Fungicide: None

Date seeded: 4/11/2025

Date harvested: 8/11/2025



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Table 1. 2025 spring wheat variety performance trial results (average of 4 replications) at Miller, 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)
Brawn-SD	36	2	61.1	15.3	63.5	30.2	66.1	48.2	53.3
LCS Trigger	32	1	59.8	14.0	66.7	24.8	64.9	44.9	52.1
Driver	35	1	60.4	15.1	61.6	31.9	62.8	47.3	52.1
MS Charger	29	1	59.0	13.8	60.0	30.8	61.7	46.2	50.8
MN Torgy	34	1	60.9	15.4	64.8	23.3	62.6	42.9	50.2
Ascend-SD	36	1	59.9	16.4	58.0	31.7	59.5	45.6	49.7
Sy Valda	32	1	59.8	15.5	57.9	28.6	62.1	45.4	49.5
LCS Cannon	32	1	60.9	15.3	54.1	28.4	63.9	46.1	48.8
CP3188	34	2	59.5	15.3	58.5	25.3	62.5	43.9	48.8
LCS Boom	34	1	60.6	16.0	54.5	28.8	61.8	45.3	48.4
LCS Buster	33	1	59.2	14.5	65.9	15.5	62.8	39.2	48.1
LCS Ascent	34	2	60.3	15.1	55.2	24.1	64.4	44.2	47.9
Enhance-SD	36	2	60.6	16.0	51.1	25	66.0	45.5	47.4
MS Cobra	32	1	60.0	15.9	56.3	25.3	59.0	42.1	46.9
LCS Hammer AX	32	1	59.3	15.7	55.4	19.2	61.7	40.5	45.4
WB9590	30	1	60.1	16.3	47.4	24.0	62.6	43.3	44.7
Surpass	33	2	58.1	16.1	48.2	33.8	51.8	42.8	44.6
MN Rothsay	30	1	59.3	15.3	58.2	16.9	57.2	37.0	44.1
LCS Dual	31	1	58.9	14.8	50.9	18.3	59.5	38.9	42.9
CP3055	34	1	54.8	14.4	-	12.1	49.7	30.9	-
MS Nova	32	1	59.9	15.8	-	18.6	60.5	39.5	-
ND Stampede	32	1	59.6	15.5	-	31.3	68.1	49.7	-
AP Dagr	31	1	59.2	14.7	-	-	64.6	-	-
AP Elevate	32	1	59.6	14.9	-	-	62.3	-	-
AP Iconic	34	1	59.8	14.7	-	-	64.9	-	-
CP3119A	34	1	53.8	13.8	-	-	50.7	-	-
CP3555	33	1	58.8	14.9	-	-	59.9	-	-
ND Horizon	33	2	59.2	15.8	-	-	64.4	-	-
ND Roughrider	33	2	59.5	15.5	-	-	70.8	-	-
Trial Average#	32.8	1	60	15.5	56	24.3	61.5	42.9	47.3
LSD (0.05)†	2.6	-	0.9	0.9	3.6	5.9	6.1	-	-
C.V. %‡	5.7	-	1.1	4.4	4.7	17.6	7.1	-	-

* 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 (\geq 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.