



**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 - Mina

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Location: 45.535475°, -98.680017°

Soil type: Noonan-Miranda loams, 0-6% 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: 120-30-30-9s

Herbicide:

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

Fungicide: None

Date seeded: 3/31/2025

Date harvested: 8/14/2025



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Table 1. 2025 spring wheat variety performance trial results (average of 4 replications) at Mina, 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)
Sy Valda	28	2	60.5	13.2	59.7	67.2	69.5	68.4	65.5
MS Charger	30	2	60.1	12.2	55.7	67.4	72.7	70.0	65.3
MN Torgy	30	2	60.6	14.0	61	64.9	68.6	66.7	64.8
Brawn-SD	32	2	60.8	13.0	61.2	66.3	66.8	66.6	64.8
LCS Trigger	31	2	61.0	12.2	60.4	60.3	71.2	65.7	64.0
Ascend-SD	34	2	61.3	13.4	54.6	64.9	67.5	66.2	62.3
Enhance-SD	32	2	60.5	13.9	54.5	65.7	66.7	66.2	62.3
LCS Buster	30	2	59.9	12.6	55.5	62.2	67.2	64.7	61.6
Driver	32	2	60.9	13.2	57.6	56.9	69.4	63.1	61.3
MN Rothsay	29	2	60.2	13.7	60.2	57.1	63.1	60.1	60.1
LCS Ascent	28	2	60.9	13.4	55.7	57.4	66.3	61.9	59.8
Surpass	30	3	60.0	14.8	52	65.5	57.6	61.6	58.4
MS Cobra	29	2	60.2	13.6	52.1	58.4	63.7	61.0	58.1
WB9590	29	2	59.9	14.3	53.1	56.3	64.3	60.3	57.9
CP3188	29	3	59.0	12.8	55.8	57	59.3	58.2	57.4
LCS Cannon	31	2	61.4	13.8	55.5	50.3	65.7	58.0	57.2
LCS Hammer AX	29	2	60.4	13.6	48.4	49.4	66.5	58.0	54.8
LCS Boom	28	2	60.8	14.2	50.4	50.7	60.7	55.7	53.9
CP3055	32	2	57.3	12.1	-	47.3	71.3	59.3	-
MS Nova	29	2	60.7	13.7	-	59.4	64.5	62.0	-
ND Stampede	31	2	60.2	13.8	-	54.8	67.0	60.9	-
AP Dagr	31	2	60.0	13.2	-	-	71.6	-	-
AP Elevate	29	2	60.8	13.6	-	-	67.9	-	-
AP Iconic	33	2	60.6	13.3	-	-	69.9	-	-
CP3119A	33	1	55.0	12.3	-	-	62.6	-	-
CP3555	31	2	59.4	13.4	-	-	65.6	-	-
ND Horizon	29	2	60.4	13.3	-	-	74.8	-	-
ND Roughrider	31	3	60.3	12.8	-	-	76.2	-	-
Trial Average#	30.4	2.1	60.4	13.5	54.6	57.3	66	61.7	59.3
LSD (0.05)†	2.7	0.4	1.1	1	7.1	5.7	11.9	-	-
C.V. %‡	6.5	13.4	1.4	5.3	9.9	7.2	12.9	-	-

* 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.