



**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 - South Shore

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Cooperator: South Dakota State University Northeast Research Farm

Location: 45.107019°, -97.098692°

Soil type: Kranzburg-Brookings silty clay loams, 0-2% slopes

Previous crop: Soybeans

Tillage: No-till

Row spacing: 8"

Seeding rate: 1.8 million PLS/acre

Fertilizer:

- Starter: 90 lb/acre 30-10-10
- Other: 200-0-50

Herbicide:

- Burndown: None
- Post: 1.5 pt/acre Bronate

Fungicide: None

Date seeded: 4/16/2025

Date harvested: 8/21/2025



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Table 1. 2025 spring wheat variety performance trial results (average of 4 replications) at South Shore, 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)
Ascend-SD	34	1	55.5	15.5	54.9	54.9	60.0	57.5	56.6
Enhance-SD	32	1	54.5	15.4	56.5	49.7	56.4	53.0	54.2
Sy Valda	32	2	54.4	14.6	57.4	51.6	52.1	51.9	53.7
LCS Trigger	32	2	53.3	14.1	61.2	45.9	51.5	48.7	52.9
MN Torgy	29	1	55.0	14.9	57.5	48.3	52.1	50.2	52.6
Brawn-SD	31	1	53.3	14.4	59	51.5	47.0	49.2	52.5
Driver	34	1	52.2	14.4	58.9	45.4	47.0	46.2	50.4
LCS Boom	28	2	55.9	14.6	52.8	46.3	51.3	48.8	50.1
Surpass	31	1	52.3	15.4	48.1	47.1	50.6	48.9	48.6
MS Charger	32	2	51.4	13.8	58.6	39.2	48.0	43.6	48.6
CP3188	35	3	51.8	14.4	60.2	43.8	41.5	42.7	48.5
LCS Buster	33	2	51.4	13.8	62.9	35.2	46.8	41.0	48.3
LCS Ascent	31	2	53.4	14.0	54.4	39.3	50.9	45.1	48.2
LCS Cannon	29	2	54.8	14.5	52.7	38.1	52.3	45.2	47.7
MN Rothsay	28	2	50.4	15.1	52.7	37.7	43.1	40.4	44.5
MS Cobra	31	2	52.2	15.2	51.5	37.3	42.1	39.7	43.6
LCS Dual	34	2	52.4	14.7	56.9	31.4	41.9	36.7	43.4
WB9590	28	2	52.0	16.0	48.5	36.3	43.9	40.1	42.9
LCS Hammer AX	36	1	50.8	15.4	54.9	30.5	40.9	35.7	42.1
CP3055	33	1	49.5	15.3	–	30.1	34.7	32.4	–
MS Nova	31	2	53.4	14.9	–	37	44.0	40.5	–
ND Stampede	31	2	53.9	15.1	–	44.2	53.4	48.8	–
AP Dagr	29	2	52.7	14.1	–	–	52.4	–	–
AP Elevate	30	2	53.7	14.5	–	–	53.4	–	–
AP Iconic	33	2	53.0	14.6	–	–	53.4	–	–
CP3119A	32	1	48.9	15.0	–	–	39.3	–	–
CP3555	32	2	51.9	14.1	–	–	48.5	–	–
ND Horizon	31	1	53.2	14.9	–	–	54.6	–	–
ND Roughrider	32	2	53.3	15.2	–	–	56.0	–	–
Trial Average#	31.5	1.5	53.3	14.8	54.8	41.7	49.5	45.6	48.7
LSD (0.05)†	1.6	0.5	1.7	0.6	3.3	5.5	5.8	–	–
C.V. %‡	3.6	23.8	2.3	3.1	4.2	9.5	8.5	–	–

* 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.