



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

2026 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: 4/21/2026

Date harvested: 8/17/2026



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**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

Table 1. 2026 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 %	2024 (bu/a)	2025 (bu/a)	2026 (bu/a)	2-year (bu/a)	3-year (bu/a)
ASCEND-SD	36	1	57.5	15.5	54.9	60.0	63.4	61.7	59.4
ENHANCE-SD	34	1	57.3	16.2	49.7	56.4	60.7	58.6	55.6
BRAWN-SD	34	1	58.0	14.7	51.5	47.0	61.5	54.2	53.3
MN TORGY	34	1	56.9	15.6	48.3	52.1	55.2	53.7	51.9
SURPASS	33	1	55.5	15.4	47.1	50.6	54.9	52.7	50.9
LCS BOOM	32	1	58.5	15.8	46.3	51.3	55.0	53.1	50.9
DRIVER	34	1	56.7	15.1	45.4	47.0	55.3	51.1	49.2
ND STAMPEDE	32	1	51.5	15.5	44.2	53.4	46.9	50.2	48.2
MS CHARGER	31	1	56.5	14.3	39.2	48.0	56.4	52.2	47.9
LCS ASCENT	32	1	55.6	14.7	39.3	50.9	52.9	51.9	47.7
LCS CANNON	32	1	57.3	15.5	38.1	52.3	51.2	51.7	47.2
MS NOVA	32	1	56.4	15.5	37	44.0	55.8	49.9	45.6
WB9590	30	1	55.1	16.5	36.3	43.9	51.3	47.6	43.8
MN ROTHSA	30	1	55.6	15.2	37.7	43.1	49.8	46.5	43.6
MS COBRA	31	1	54.6	15.6	37.3	42.1	49.2	45.7	42.9
CP3055	34	1	48.0	14.4	30.1	34.7	41.4	38.0	35.4
AP DAGR	31	1	56.5	14.8	–	52.4	59.8	56.1	–
AP ELEVATE	32	1	56.3	15.3	–	53.4	53.6	53.5	–
AP ICONIC	33	1	56.9	14.8	–	53.4	62.2	57.8	–
CP3555	33	1	55.1	15.4	–	48.5	50.3	49.4	–
ND ROUGHRIDER	34	1	53.1	15.1	–	56.0	52.7	54.4	–
CP3604	36	1	54.9	15.4	–	–	49.1	–	–
FG HEINER	28	1	55.2	17.1	–	–	43.6	–	–
LAR22-00053	30	1	56.3	14.1	–	–	57.2	–	–
MS EXP-1	29	1	52.6	15.7	–	–	50.3	–	–
TCG-ARSENAL	33	1	54.8	14.8	–	–	53.7	–	–
VIRTUE ANDINA	25	1	51.6	16.6	–	–	38.8	–	–
VIRTUE HIMALAYA	30	1	53.0	16.1	–	–	49.2	–	–
WB9641	32	1	53.8	14.2	–	–	44.4	–	–
WB9645	34	1	55.0	14.7	–	–	53.9	–	–
Trial Average#	32.0	1	55.6	15.4	41.7	49.5	53.6	51.6	48.3
LSD (0.05)†	1.9	–	1.3	0.4	5.5	5.8	5.2	–	–
C.V. %‡	4.2	–	1.7	2.0	9.5	8.5	6.9	–	–

* 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 (≥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.