



**SOUTH DAKOTA
STATE UNIVERSITY**

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

2026 South Dakota Spring Wheat Variety Trial Results - Frankfort

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Location: 44.823107°, -98.281240°

Soil type: Great Bend-Beotia silt loams, 0-2% slopes

Previous crop: Soybeans

Tillage: no-till

Row spacing: 7"

Seeding rate: 1.8 million PLS/acre

Fertilizer:

- Starter: 90 lb / acre 30-10-10
- Other: 330 lb/acre 46-0-0 + 54 lb/acre 21-0-0-24

Herbicide:

- Burndown: none
- Post: 1.5 pt/acre Bromac

Fungicide: None

Date seeded: 4/22/2026

Date harvested: 8/17/2026



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Table 1. 2026 spring wheat variety performance trial results (average of 4 replications) at Frankfort, 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)	Heading (Julian Day)	Test Wt (lbs)	Protein %	2024 (bu/a)#	2025 (bu/a)	2026 (bu/a)	2-year (bu/a)	3-year (bu/a)
ASCEND-SD	37	not reported	176	61.9	15.5	not harvested	70.5	69.1	69.8	NA
MS CHARGER	33		173	62.0	14.3		62.4	72.1	67.3	-
AP ICONIC	34		175	61.9	15.6		65.5	67.6	66.6	-
ENHANCE-SD	33		171	60.5	16.5		64.9	66.4	65.7	-
BRAWN-SD	34		173	62.5	15.2		62.8	67.7	65.2	-
ND ROUGHRIDER	32	-	175	58.7	14.9	-	70.1	60.0	65.0	-
MN TORGY	33	-	174	62.2	16.4	-	67.7	60.9	64.3	-
AP DAGR	30	-	176	60.2	15.7	-	61.9	64.9	63.4	-
AP ELEVATE	31	-	177	61.2	15.8	-	64.4	61.6	63.0	-
LCS ASCENT	32	-	171	61.3	15.5	-	63.3	59.4	61.4	-
ND STAMPEDE	32	-	172	59.6	15.8	-	66.5	54.8	60.6	-
MN ROTHSA	30	-	175	60.2	15.1	-	61.9	57.9	59.9	-
MS NOVA	31	-	172	61.3	16.1	-	56.3	62.0	59.1	-
SURPASS	33	-	173	59.8	16.1	-	57.8	59.5	58.6	-
LCS BOOM	31	-	171	62.5	16.4	-	58.0	57.8	57.9	-
DRIVER	34	-	177	61.9	16.4	-	53.3	61.3	57.3	-
MS COBRA	32	-	175	59.8	15.7	-	56.0	57.3	56.6	-
WB9590	29	-	173	59.9	16.3	-	59.5	52.8	56.1	-
LCS CANNON	30	-	170	62.3	15.9	-	57.4	50.4	53.9	-
CP3055	33	-	180	56.3	13.6	-	39.5	58.3	48.9	-
CP 3604	34	-	175	60.4	15.6	-	-	55.2	-	-
CP3555	33	-	177	61.5	15.2	-	-	61.9	-	-
FG HEINER	27	-	174	60.6	16.8	-	-	55.3	-	-
LAR22-00053	31	-	175	60.9	13.7	-	-	66.9	-	-
MS EXP-1	30	-	174	59.9	15.1	-	-	67.3	-	-
TCG-ARSENAL	32	-	178	59.2	15.7	-	-	54.9	-	-
VIRTUE ANDINA	27	-	175	58.1	15.6	-	-	56.7	-	-
VIRTUE HIMALAYA	28	-	178	57.3	16.0	-	-	59.4	-	-
WB9641	31	-	176	57.9	14.8	-	-	39.1	-	-
WB9645	32	-	177	59.1	15.0	-	-	59.9	-	-
Trial Average#	31	-	174	60.8	15.6	-	61.0	60.8	60.9	-
LSD (0.05)†	-	-	-	1.3	0.8	-	4.5	7	-	-
C.V. %‡	-	-	-	1.6	3.6	-	5.2	8.2	-	-

* 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.