



**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 - Frankfurt

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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: 4/16/2025

Date harvested: 8/20/2025



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Table 1. 2025 spring wheat variety performance trial results (average of 4 replications) at Frankfurt, 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	62.2	15.8	80.5	Not	70.5	Not	75.5
MN-TORGY	31	1	62.1	16.2	82.6	harvested	67.7	available	75.1
LCS TRIGGER	32	1	62.4	14.0	79.9	-	69.0	-	74.5
ENHANCE-SD	31	1	61.1	17.0	82.5	-	64.9	-	73.7
SY VALDA	31	1	61.9	15.6	77.9	-	64.1	-	71.0
MS CHARGER	31	1	61.0	15.1	78.3	-	62.4	-	70.4
LCS ASCENT	31	1	62.8	15.5	74.4	-	63.3	-	68.8
LCS BUSTER	34	1	59.5	14.1	73.4	-	64.1	-	68.8
LCS CANNON	30	1	63.0	16.1	78.7	-	57.4	-	68.0
LCS BOOM	30	1	63.8	16.6	77.5	-	58.0	-	67.7
MN-ROTHSAY	29	1	61.5	15.8	72.4	-	61.9	-	67.2
BRAWN-SD	32	1	61.6	15.4	71.4	-	62.8	-	67.1
SURPASS	30	1	61.4	16.3	76.3	-	57.8	-	67.0
MS COBRA	30	1	60.9	15.9	75.4	-	56.0	-	65.7
WB9590	29	1	60.5	16.9	68.9	-	59.5	-	64.2
DRIVER	33	1	61.1	16.3	74.4	-	53.3	-	63.8
LCS HAMMER AX	31	1	59.0	17.0	71.8	-	51.6	-	61.7
LCS DUAL	33	1	60.8	16.0	69.0	-	53.6	-	61.3
CP3188	33	1	58.7	15.2	60.2	-	50.2	-	55.2
AP DAGR	30	1	58.6	14.7	-	-	61.9	-	-
AP ELEVATE	31	1	61.4	15.9	-	-	64.4	-	-
AP ICONIC	33	1	61.9	15.4	-	-	65.5	-	-
CP3055	33	1	50.5	15.3	-	-	39.5	-	-
CP3119A	35	1	52.5	15.2	-	-	43.7	-	-
CP3322	32	1	59.0	15.6	-	-	55.6	-	-
MS NOVA	29	1	61.0	15.9	-	-	56.3	-	-
ND Horizon	32	1	61.1	16.8	-	-	66.4	-	-
ND Roughrider	33	1	60.3	15.7	-	-	70.1	-	-
ND STAMPEDE	31	1	61.3	17.2	-	-	66.5	-	-
Trial Average#	31	1	61.1	16.0	73.6	-	61.0	-	67.3
LSD (0.05)†	1.5	-	1.3	0.7	6	-	4.5	-	-
C.V. %‡	3.4	-	1.5	3	5.8	-	5.2	-	-

* 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.