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 - Selby

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Cooperator: Tom Fiedler
Location: 45.492893°, -100.000901°
Soil type: Highmore silt loam, 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: 159-26-0-18s

Herbicide:
- Burndown: None
- Post: 24oz Bronate

Fungicide: None
Date seeded: 4/11/26
Date harvested: 8/11/26

S-0002-2026-04-SW-Selby

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Table 1. 2026 spring wheat variety performance trial results (average of 4 replications) at Selby, 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)
ND STAMPEDE	30	1	56.7	15.6	**81.5**	**96.3**	**67.2**	81.7	**81.7**
BRAWN-SD	33	1	60.0	14.8	**83.4**	89.1	**68.0**	78.5	**80.2**
ENHANCE-SD	32	1	58.4	15.7	75.9	**94.3**	**62.3**	78.3	**77.5**
ASCEND-SD	34	1	58.2	15.8	**80.9**	88.6	**62.6**	75.6	**77.4**
MN ROTHSAY	28	1	57.4	15.5	**80.4**	89.0	62.0	75.5	**77.2**
LCS ASCENT	30	1	58.9	14.7	71.9	**94.2**	64.7	**79.4**	76.9
LCS BOOM	30	1	59.4	15.8	76.1	89.7	**62.8**	76.3	76.2
MS CHARGER	30	1	57.4	13.6	76.0	88.2	**63.2**	75.7	75.8
CP3055	30	1	54.7	15.2	72.9	**95.3**	59.2	77.2	75.8
MN TORGY	31	1	59.7	15.8	**80.8**	83.0	60.4	71.7	74.7
LCS CANNON	28	1	59.6	15.4	67.4	**94.2**	**62.2**	**78.2**	74.6
MS NOVA	30	1	57.9	15.5	73.9	85.7	**63.2**	74.4	74.3
WB9590	26	1	56.9	16.3	66.8	**93.7**	**62.2**	77.9	74.2
CP3555	30	1	57.8	15.2	72.9	87.5	61.1	74.3	73.8
DRIVER	31	1	57.7	15.3	**76.4**	87.0	57.8	72.4	73.7
MS COBRA	29	1	57.4	15.7	69.8	83.4	60.9	72.1	71.3
SURPASS	30	1	56.9	15.2	72.3	78.4	59.5	69.0	70.1
AP DAGR	28	1	56.3	15.2	-	92.2	60.6	76.4	-
AP ELEVATE	28	1	57.5	16.0	-	**96.8**	60.7	**78.7**	-
AP ICONIC	30	1	57.3	15.6	-	**98.4**	61.5	**79.9**	-
ND ROUGHRIDER	30	1	55.1	15.4	-	**93.4**	**62.2**	77.8	-
CP3604	32	1	58.0	16.6	-	-	60.9	-	-
FG HEINER	26	1	57.4	16.4	-	-	57.9	-	-
LAR22-00053	28	1	56.7	15.0	-	-	60.9	-	-
MS EXP-1	27	1	56.9	15.0	-	-	**64.5**	-	-
TCG-ARSENAL	28	1	57.4	15.0	-	-	59.0	-	-
VIRTUE ANDINA	24	1	55.7	16.1	-	-	55.8	-	-
VIRTUE HIMALAYA	26	1	53.9	16.4	-	-	56.3	-	-
WB9641	29	1	56.9	15.3	-	-	56.3	-	-
WB9645	30	1	56.0	15.3	-	-	58.8	-	-
Trial Average#	30	1	57.6	15.6	74.1	89.8	61	75.4	50.6
LSD (0.05)†	-	-	1	0.7	7.2	7.9	6.6	-	-
C.V. %‡	-	-	1.3	3.2	7	6.4	7.7	-	-

* 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.