



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

# 2025 South Dakota Spring Wheat Variety Trial Results - Selby

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**Location:** 45.492476°, -100.011011°

**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: 173-26-0-18s

**Herbicide:**

- Burndown: None
- Post: 2 pt/acre Bronate

**Fungicide:** None

**Date seeded:** 4/15/2025

**Date harvested:** 8/20/2025



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**SOUTH DAKOTA STATE  
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Table 1. 2025 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 %	2023 (bu/a)	2024 (bu/a)	2025 (bu/a)	2-year (bu/a)	3-year (bu/a)
LCS Trigger	37	2	60.3	13.3	<b>105.5</b>	<b>81.1</b>	<b>101.6</b>	<b>91.3</b>	<b>96</b>
CP3188	35	4	58.6	15.0	<b>105.0</b>	73.7	<b>95.4</b>	84.5	<b>91</b>
Sy Valda	34	2	59.1	14.7	<b>103.3</b>	<b>82.5</b>	87.9	85.2	<b>91</b>
Enhance-SD	37	3	59.4	15.6	102.7	75.9	<b>94.3</b>	<b>85.1</b>	<b>91</b>
Ascend-SD	38	2	59.5	16.3	102.1	<b>80.9</b>	88.6	<b>84.8</b>	<b>91</b>
LCS Buster	37	3	58.6	13.7	<b>106.3</b>	71.0	<b>93.7</b>	82.4	<b>90</b>
Brawn-SD	35	4	60.1	14.7	96.9	<b>83.4</b>	89.1	<b>86.2</b>	90
Driver	35	2	58.9	15.0	<b>104.6</b>	<b>76.4</b>	87.0	81.7	89
LCS Hammer AX	35	2	59.8	15.0	102.6	69.9	<b>94.5</b>	82.2	89
MN Rothsay	32	2	59.2	14.9	97.4	<b>80.4</b>	89.0	<b>84.7</b>	89
MN Torgy	34	3	59.8	15.1	99.7	<b>80.8</b>	83.0	81.9	88
LCS Dual	36	2	59.6	14.5	96.3	74.6	92.0	83.3	88
MS Charger	33	4	57.6	13.3	97.0	76.0	88.2	82.1	87
LCS Ascent	35	3	59.7	14.4	94.0	71.9	<b>94.2</b>	83.0	87
MS Cobra	33	3	59.1	14.7	100.2	69.8	83.4	76.6	84
WB9590	31	3	58.9	15.0	92.1	66.8	<b>93.7</b>	80.3	84
LCS Boom	34	3	60.5	15.0	84.0	76.1	89.7	82.9	83
LCS Cannon	33	3	60.9	14.8	86.3	67.4	<b>94.2</b>	80.8	83
Surpass	34	3	58.8	15.4	91.6	72.3	78.4	75.4	81
CP3055	38	1	56.9	13.5	-	72.9	<b>95.3</b>	84.1	-
CP3555	35	2	58.3	14.6	-	72.9	87.5	80.2	-
MS Nova	33	3	59.3	15.3	-	73.9	85.7	79.8	-
ND Stampede	34	3	59.3	14.8	-	<b>81.5</b>	<b>96.3</b>	<b>88.9</b>	-
AP Dagr	33	2	59.3	14.4	-	-	92.2	-	-
AP Elevate	33	2	59.8	14.3	-	-	<b>96.8</b>	-	-
AP Iconic	35	2	60.0	14.6	-	-	<b>98.4</b>	-	-
CP3119A	38	1	55.8	13.2	-	-	92.7	-	-
ND Horizon	34	3	59.0	15.0	-	-	88.3	-	-
ND Roughrider	35	3	58.7	15.0	-	-	<b>93.4</b>	-	-
<b>Trial Average#</b>	35	2.3	59.3	14.9	97.8	74.1	89.8	82	87.2
<b>LSD (0.05)†</b>	2	0.9	1.1	0.7	4.2	7.2	7.9	-	-
<b>C.V. %‡</b>	4	27.9	1.3	3.6	3	7	6.4	-	-

\* 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.