



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

2025 South Dakota Oat Variety Trial Results - Selby

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Location: 45.492476°, -100.011011°

Soil type: Highmore silt loam, cool

Previous crop: Soybeans

Tillage: No-till

Row spacing: 8"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 90 lb/acre 30-10-10
- Other: 175-26-0-18s

Herbicide:

- Burndown: None
- Post: 32oz/ac Bronate

Fungicide: None

Date seeded: 4/15/2025

Date harvested: 8/20/2025



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Table 1. 2025 oat variety performance trial results (average of 4 replications) at Selby, SD. Entries are sorted by overall 3-year yield. Varieties yielding in the top yielding group are shaded light blue.

Variety	Height (in)	Lodging* (1-5)	Test Wt (lbs)	2023 (bu/a)	2024 (bu/a)	2025 (bu/a)	2-year (bu/a)	3-year (bu/a)
CS Camden	47	1.8	31.5	218.6	187.0	176.3	181.7	194.0
CDC Endure	48	2.8	30.0	211.1	178.0	168.1	173.1	185.7
MN Pearl	47	2.5	32.5	199.8	178.0	167.9	173.0	181.9
Deon	48	4.5	32.7	187.2	181.0	172.0	176.5	180.1
SD Buffalo	46	4.0	34.1	202.8	167.0	168.6	167.8	179.4
Goliath	54	3.5	34.1	187.5	176.0	152.3	164.1	171.9
Warrior	44	3.0	32.9	177.7	166.0	166.6	166.3	170.1
Hayden	45	4.3	35.6	169.6	165.0	165.1	165.0	166.5
Rushmore	45	2.8	35.4	182.4	160.0	155.0	157.5	165.8
Shelby427	40	4.0	34.0	164.4	147.0	128.9	137.9	146.8
SD Momentum	57	4.3	32.8	–	181.0	163.2	172.1	–
SD Titan	49	4.8	34.2	–	172.0	180.4	176.2	–
Esker2020	42	4.0	30.8	–	–	163.4	–	–
GMI2020Y2863	45	4.3	31.1	–	–	180.4	–	–
Saddle	39	1.5	34.9	–	–	168.6	–	–
SD Ranger	44	4.0	33.5	–	–	181.5	–	–
Sumo	39	3.8	33.5	–	–	137.9	–	–
Trial Average#	45	4	33.4	189.1	170	165.9	168	175.0
LSD (0.05)†	3.4	1.3	1.5	11.8	16.7	17.6	–	–
C.V. %‡	5.5	22.8	3.2	4.5	6.0	7.6	–	–

* Lodging score: 1, perfectly standing; to 5, completely flat.
Trial averages may include values from experimental lines that are not reported.
† 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.