



**SOUTH DAKOTA
STATE UNIVERSITY**

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

2026 South Dakota Oat Variety Trial Results - Selby

David Karki | SDSU Extension Agronomist

Melanie Caffé | SDSU Oat Breeder

Shawn Hawks | Agricultural Research Manager

Jesse Hall | SDSU CPT Trial Manager

Cooperator: Tom Fiedler

Location: 45.492893°, -100.000901°

Soil type: Highmore silt loam, cool, 0-2% slopes

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: 100-0-0 broadcast preplant

Herbicide:

- Burndown: None
- Post: 24oz/ac Bronate

Fungicide: None

Date seeded: 4/15/2026

Date harvested: 8/11/2026



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Table 1. 2026 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/bu)	2024 (bu/a)	2025 (bu/a)	2026 (bu/a)	2-year (bu/a)	3-year (bu/a)
CS CAMDEN	35	3	30.1	187.0	176.3	121.1	148.7	161.5
SD RANGER	38	5	33.4	170.1	181.5	121.1	151.3	157.6
DEON	39	5	33.7	181.0	172.0	114.9	143.5	156.0
SD TITAN	43	5	33.7	172.0	180.4	114.9	147.6	155.8
CDC ENDURE	38	2	31.6	178.0	168.1	120.7	144.4	155.6
SD MOMENTUM	43	4	35.2	181.0	163.2	119.5	141.4	154.6
MN PEARL	36	4	32.5	178.0	167.9	115.3	141.6	153.7
HAYDEN	37	5	35.4	165.0	165.1	130.8	147.9	153.6
SD BUFFALO	36	5	34.0	167.0	168.6	120.4	144.5	152.0
WARRIOR	36	2	34.3	166.0	166.6	119.3	142.9	150.6
GOLIATH	42	4	34.1	176.0	152.3	109.1	130.7	145.8
SD SOLDIER	40	4	33.6	178.7	141.1	110.2	125.6	143.3
RUSHMORE	36	5	34.7	160.0	155.0	107.3	131.2	140.8
SHELBY427	37	4	36.0	147.0	128.9	111.8	120.3	129.2
GMI2021Y2032	32	3	30.1	–	–	124.7	–	–
MN-AMBER	36	4	36.9	–	–	123.3	–	–
ND MILLER	38	4	34.0	–	–	110.9	–	–
ND WILLIAMS	45	3	33.5	–	–	117.3	–	–
Trial Average#	38	4	33.8	170	165.9	118.8	142.3	152
LSD(0.05)†	–	–	1	16.7	17.6	11.4	–	–
C.V.%‡	–	–	2.2	6.0	7.6	6.8	–	–

* Lodging score: 1, perfectly standing; to 5, completely flat.

Trial averages may include values from experimental lines that are not reported.

† 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.