



**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 - South Shore

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Cooperator: South Dakota State University Northeast Research Farm

Location: 45.107001°, -97.098708°

Soil type: Kranzburg-Brookings silty clay loams, 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: 4/21/2026

Date harvested: 8/6/2026



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Table 1. 2026 oat variety performance trial results (average of 4 replications) at South Shore, 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)	Heading (Julian day)	2024 (bu/a)"	2025 (bu/a)"	2026 (bu/a)"	2-year (bu/a)"	3-year (bu/a)"
SD SOLDIER	45	4	33.2	170	125.8	104.5	154.3	129.4	128.2
SD TITAN	45	4	32.7	177	132.5	109.0	126.4	117.7	122.7
SD RANGER	42	5	30.0	173	123.1	106.5	121.8	114.1	117.1
SD MOMENTUM	47	4	32.0	178	125.3	110.2	109.9	110.0	115.1
CDC ENDURE	40	4	30.5	178	123.0	81.3	122.0	101.6	108.8
DEON	41	5	28.6	178	119.1	84.4	105.4	94.9	103.0
CS CAMDEN	38	4	26.4	178	106.9	86.6	106.4	96.5	100.0
WARRIOR	42	4	29.8	171	94.5	86.0	116.6	101.3	99.0
SD BUFFALO	41	5	28.7	173	111.2	77.0	103.0	90.0	97.1
GOLIATH	45	5	29.7	179	121.5	68.3	99.6	83.9	96.5
HAYDEN	41	5	29.6	175	104.0	70.8	95.4	83.1	90.1
SHELBY427	40	5	31.6	171	77.1	71.6	93.7	82.7	80.8
RUSHMORE	39	5	29.2	171	83.8	55.7	85.0	70.3	74.8
MN PEARL	40	5	25.9	177	87.6	42.6	82.6	62.6	70.9
GMI2021Y2032	36	5	27.1	175	–	–	107.4	–	–
MN-AMBER	39	5	33.6	176	–	–	103.6	–	–
ND MILLER	40	3	33.8	178	–	–	129.6	–	–
ND WILLIAMS	47	3	32.8	179	–	–	126.9	–	–
Trial Average#	41.3	4	31	–	114	92	118.2	105	108
LSD(0.05)†	3.6	–	2.8	–	18.8	11.8	11.3	–	–
C.V.%‡	6.11	–	6.5	–	11.7	7.2	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.