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 - Aberdeen

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Cooperator: Gregg and Tom Erickson
Location: 45.374814°, -98.329955°
Soil type: Williams-Bowbells-Tonka complex, 0 to 6 percent 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: 176-21-12

Herbicide:
- Burndown: None
- Post: None

Fungicide: None
Date seeded: 4/20/2026
Date harvested: 8/5/2026

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Table 1. 2026 oat variety performance trial results (average of 4 replications) at Aberdeen, SD. Entries are sorted by overall 3-year yield. Varieties yielding in the top 1/3 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)
CDC ENDURE	45	4	28.2	**150.3**	not	**137.8**	na	**144.0**
CS CAMDEN	42	5	30.5	**149.9**	harvested	124.2	-	**137.1**
SD RANGER	43	5	34.4	137.4	-	130.1	-	**133.8**
SD SOLDIER	45	5	35.7	129.6	-	**135.2**	-	**132.4**
SD BUFFALO	44	5	33.2	**131.1**	-	124.7	-	**127.9**
DEON	44	5	30.2	127.1	-	122.4	-	124.7
WARRIOR	42	5	33.5	121.0	-	128.0	-	124.5
SD MOMENTUM	51	5	33.3	116.0	-	126.9	-	121.4
SD TITAN	49	5	31.7	119.9	-	119.7	-	119.8
HAYDEN	42	5	33.9	118.4	-	120.8	-	119.6
MN PEARL	44	5	29.4	124.3	-	106.9	-	115.6
RUSHMORE	42	5	35.3	109.2	-	112.9	-	111.1
SHELBY427	44	5	36.4	105.9	-	106.7	-	106.3
GOLIATH	50	5	30.5	113.3	-	83.9	-	98.6
GMI2021Y2032	37	5	31.7	-	-	**135.7**	-	-
MN-AMBER	41	5	36.4	-	-	115.5	-	-
ND MILLER	41	5	33.0	-	-	129.1	-	-
ND WILLIAMS	49	5	31.2	-	-	128.1	-	-
Trial Average#	44	5	33.1	125.6	-	125.6	-	125.6
LSD(0.05)†	-	-	2.5	19.5	-	14.2	-	-
C.V.%‡	-	-	5.4	11.1	-	8.1	-	-

* 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.

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