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 - Wall

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Cooperator: Bryan Lutter
Location: 43°58’15.8”N, 102°15’23.0”W
Soil type: Nunn loam, 0-2% slopes
Previous crop: Wheat
Tillage: No-till
Row spacing: 10”
Seeding rate: 1.2 million PLS/acre
Fertilizer:
- Starter: 10 gal/acre; 10-25-0
- Other: 120 lbs/acre

Herbicide:
- Burndown: None
- Post: 20 oz/acre Widematch 5/28/26

Fungicide: None
Date seeded: 4/16/2026
Date harvested: 7/29/2026

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Wall

Table 1. 2026 oat variety performance trial results (average of 4 replications) at Wall, SD. Entries are sorted by 2026 yield. Varieties yielding in the top 1/3 of the trial 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)
SD SOLDIER	not	not	36.4	not	not	**99.2**	NA	NA
HAYDEN	reported	reported	34.7	reported	reported	**98.2**	-	-
SD BUFFALO	-	-	35.0	-	-	**93.7**	-	-
CS CAMDEN	-	-	32.9	-	-	**93.7**	-	-
SD RANGER	-	-	35.8	-	-	**93.6**	-	-
RUSHMORE	-	-	35.2	-	-	**91.9**	-	-
GMI2021Y2032	-	-	32.9	-	-	91.7	-	-
SD MOMENTUM	-	-	35.9	-	-	91.7	-	-
SD TITAN	-	-	35.2	-	-	90.8	-	-
CDC ENDURE	-	-	32.6	-	-	90.7	-	-
WARRIOR	-	-	31.4	-	-	87.8	-	-
MN-AMBER	-	-	35.1	-	-	87.5	-	-
MN PEARL	-	-	33.8	-	-	87.2	-	-
ND WILLIAMS	-	-	34.7	-	-	87.0	-	-
ND MILLER	-	-	34.3	-	-	85.7	-	-
GOLIATH	-	-	35.5	-	-	84.0	-	-
DEON	-	-	33.7	-	-	82.2	-	-
SHELBY427	-	-	34.2	-	-	73.9	-	-
Trial Average#	-	-	34.5	-	-	90.9	-	-
LSD(0.05)†	-	-	2.1	-	-	5.7	-	-
C.V.%‡	-	-	6.4	-	-	5.8	-	-

* 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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