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 - Miller

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Cooperator: Lee Lichty
Location: 44.456793°, -98.755865°
Soil type: Davis silt loam, fans, nearly level
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: 250-50-50

Herbicide:
- Burndown: None
- Post: 7oz Avaris 2XS, 1oz Cide Winder, 1 gallon Coron, 15oz Whiplash, 1.92oz Lambda T-2

Fungicide: 10oz Prosaro Pro 400 SC
Date seeded: 4/10/2026
Date harvested: 8/3/2026

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Table 1. 2026 oat variety performance trial results (average of 4 replications) at Miller, 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)
SD RANGER	36	5	35.1	**81.4**	**141.4**	**140.9**	**141.1**	**121.2**
CS CAMDEN	37	4	32.6	**79.2**	**134.5**	134.8	**134.6**	**116.1**
DEON	41	4	35.3	**76.0**	**130.6**	126.6	128.6	**111.0**
SD BUFFALO	40	4	36.0	**75.4**	115.5	139.1	127.3	**110.0**
CDC ENDURE	38	3	32.6	**74.9**	116.4	137.6	127.0	**109.6**
SD SOLDIER	39	5	37.4	65.6	128.7	132.6	**130.6**	109.0
SD MOMENTUM	44	4	37.0	68.1	123.7	133.4	128.5	108.4
HAYDEN	39	4	37.1	58.6	118.2	**140.2**	**129.2**	105.7
WARRIOR	34	3	34.4	45.1	121.6	**140.2**	**130.9**	102.3
SD TITAN	42	5	35.3	49.0	120.5	133.3	126.9	100.9
MN PEARL	38	5	34.8	46.0	113.6	134.4	124.0	98.0
GOLIATH	43	5	36.2	61.9	103.0	125.4	114.2	96.8
SHELBY427	37	4	36.8	54.8	106.1	120.8	113.4	93.9
RUSHMORE	33	5	36.9	51.1	97.2	124.0	110.6	90.8
GMI2021Y2032	31	3	33.6	–	–	**143.2**	–	–
MN-AMBER	36	2	37.6	–	–	121.5	–	–
ND MILLER	37	4	35.1	–	–	**140.8**	–	–
ND WILLIAMS	41	4	34.6	–	–	**140.7**	–	–
Trial Average#	38	4	35.7	65.1	120.0	135.6	127.8	106.9
LSD(0.05)†	–	–	0.9	12	20.7	9.4	–	–
C.V.%‡	–	–	1.8	13.1	12.3	4.9	–	–

* 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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