



**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 - Beresford

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Location: 43.052500°, -96.893333°

Soil type: Egan-Trent silty clay loams, 0-2% slopes

Previous crop: Soybeans

Tillage: No-till

Row spacing: 8"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 70 lb/acre 30-10-10
- Other: Urea 130 lbs (46-0-0)

Herbicide:

- Burndown: 30 oz/ac glyphosate
- Post: Bromoxinil (Maestro) @ 16 oz/ac

Fungicide: None

Date seeded: 3/25/2026

Date harvested: 7/17/2026



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Table 1. 2026 oat variety performance trial results (average of 4 replications) at Beresford, 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	41	1	38.0	158	152	94.2	166.6	130.4	137.7
SD TITAN	42	1	36.1	162	137.0	88.8	157.3	123.1	127.7
SD RANGER	38	1	35.9	159	122	80.5	173.8	127.1	125.4
WARRIOR	36	1	34.2	158	119.2	87.7	163.1	125.4	123.3
CDC ENDURE	41	1	32.6	166	118.3	82.0	158.9	120.4	119.7
SD BUFFALO	40	1	36.6	160	112.2	80.9	162.4	121.6	118.5
SD MOMENTUM	46	1	37.7	163	132.4	78.1	143.3	110.7	117.9
CS CAMDEN	37	1	33.7	163	110.8	86.7	146.4	116.5	114.6
HAYDEN	39	1	37.1	161	94.0	86.9	156.9	121.9	112.6
DEON	42	1	35.5	163	109.7	84.1	142.4	113.3	112.1
GOLIATH	44	1	36.5	163	115.3	54.7	164.5	109.6	111.5
SHELBY427	37	1	37.5	155	100.2	80.8	148.7	114.8	109.9
RUSHMORE	39	1	37.1	158	99.8	73.8	154.5	114.1	109.3
MN PEARL	39	1	35.1	161	82.3	83.7	160.3	122.0	108.8
GMI2021Y2032	33	1	34.4	160	–	–	167.6	–	–
MN-AMBER	39	1	38.6	160	–	–	150.5	–	–
ND MILLER	40	1	35.5	165	–	–	134.3	–	–
ND WILLIAMS	46	1	35.1	166	–	–	139.8	–	–
Trial Average#	39	1	36.3	–	118.6	83.2	157.3	120.3	119.7
LSD(0.05)†	–	–	0.8	–	9.0	15.7	12.2	–	–
C.V.%‡	–	–	1.3	–	5.4	13.4	5.5	–	–

* 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.