



**SOUTH DAKOTA
STATE UNIVERSITY**

College of Agriculture, Food and Environmental Sciences |
SDSU Extension | South Dakota Agricultural Experiment Station

2025 South Dakota Oat Variety Trial Results - Beresford

David Karki | SDSU Extension Agronomist

Melanie Caffé | SDSU Oat Breeder

Nicholas Hall | Agricultural Research Manager

Shawn Hawks | Agricultural Research Manager

Cooperator: SDSU Southeast Research Farm

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: 1.6 million PLS/acre

Fertilizer:

- Starter: 70 lb/acre 30-10-10
- Other: MAP 120#/ac plus Urea 145#/ac (80-62-0)

Herbicide:

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

Fungicide: None

Date seeded: 3/27/2025

Date harvested: 7/22/2025



**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

2025 South Dakota Oat Variety Trial Results Beresford

Table 1. 2025 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)	2023 (bu/a)	2024 (bu/a)	2025 (bu/a)	2-year (bu/a)	3-year (bu/a)
SDTitan	40	1	28.1	not	137.0	88.8	112.9	not
SDMomentum	40	1	27.4	harvested	132.4	78.1	105.2	available
Warrior	32	1	28.5	-	119.2	87.7	103.5	-
CDCEndure	34	1	25.1	-	118.3	82.0	100.1	-
CSCamden	33	1	24.4	-	110.8	86.7	98.7	-
Deon	38	1	27.0	-	109.7	84.1	96.9	-
SDBuffalo	33	2	26.6	-	112.2	80.9	96.5	-
Shelby427	36	1	30.1	-	100.2	80.8	90.5	-
Hayden	35	1	30.0	-	94.0	86.9	90.4	-
Rushmore	36	1	27.9	-	99.8	73.8	86.8	-
Goliath	41	1	24.6	-	115.3	54.7	85.0	-
MNPearl	36	1	28.8	-	82.3	83.7	83.0	-
Esker2020	35	1	24.7	-	-	76.9	-	-
GMI2020Y2863	35	1	25.5	-	-	75.3	-	-
Saddle	31	1	29.0	-	-	84.5	-	-
SDRanger	37	1	28.4	-	-	80.5	-	-
Sumo	35	1	29.5	-	-	79.4	-	-
Trial Average#	36	1	28.1	-	118.6	83.2	95.8	-
LSD (0.05)†	3.6	0.6	1.4	-	9.0	15.7	-	-
C.V. %‡	7.1	32.9	3.5	-	5.4	13.4	-	-

* 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.