



**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 - Miller

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**Cooperator:** Lee Lichty

**Location:** 44.479505°, -98.742925°

**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: 108-24-21-6s

**Herbicide:**

- Burndown: None
- Post: 32oz/ac Bronate

**Fungicide:** None

**Date seeded:** 4/11/2025

**Date harvested:** 8/5/2025



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## 2025 South Dakota Oat Variety Trial Results Miller

Table 1. 2025 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)	2023 (bu/a)	2024 (bu/a)	2025 (bu/a)	2-year (bu/a)	3-year (bu/a)
CS Camden	38	2	29.3	<b>122.2</b>	<b>79.2</b>	<b>134.5</b>	<b>106.8</b>	<b>111.9</b>
CDC Endure	38	2	29.9	<b>118.7</b>	<b>74.9</b>	116.4	<b>95.7</b>	<b>103.4</b>
Deon	42	3	32.0	103.2	<b>76.0</b>	<b>130.6</b>	<b>103.3</b>	<b>103.3</b>
Hayden	40	4	33.3	122.2	58.6	118.2	88.4	99.7
SD Buffalo	41	4	32.1	100.0	<b>75.4</b>	115.5	95.4	97.0
Goliath	43	3	33.1	<b>118.7</b>	61.9	103.0	82.5	94.5
MN Pearl	38	4	30.3	103.2	46.0	113.6	79.8	87.6
Shelby427	38	3	34.0	100.0	54.8	106.1	80.4	87.0
Warrior	38	2	32.5	93.8	45.1	121.6	83.3	86.8
Rushmore	37	4	32.8	101.9	51.1	97.2	74.1	83.4
SD Titan	43	2	32.3	–	49.0	120.5	84.8	–
SD Momentum	48	3	32.7	–	68.1	123.7	<b>95.9</b>	–
Esker2020	36	2	28.0	–	–	115.2	–	–
GMI2020Y2863	43	2	30.3	–	–	118.5	–	–
Saddle	34	3	30.9	–	–	97.7	–	–
SD Ranger	41	3	32.9	–	–	<b>141.4</b>	–	–
Sumo	35	1	33.1	–	–	102.6	–	–
<b>Trial Average#</b>	39	2	32.3	108.5	65.1	120.0	92.5	97.9
<b>LSD (0.05)†</b>	4.7	1.1	1.4	7.7	12	20.7	–	–
<b>C.V. %‡</b>	8.6	39.2	3.1	5	13.1	12.3	–	–
* 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.								