



**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 - Volga

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Location: 44.302371°, -96.918679°

Soil type: Brandt silty clay loam, 0-2% slopes

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: 100-30-30 broadcast preplant

Herbicide:

- Burndown: None
- Post: 34oz/ac Bronate

Fungicide: None

Date seeded: 4/11/2025

Date harvested: 8/1/2025



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Table 1. 2025 oat variety performance trial results (average of 4 replications) at Volga, 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)
CDC Endure	41	3	32.7	117.8	85.2	105.9	95.5	97.5
Deon	39	3	34.0	100.4	81.0	118.8	99.9	96.8
Warrior	37	4	33.2	107.7	71.9	113.3	92.6	91.7
CS Camden	37	4	30.6	113.1	71.2	105.7	88.5	89.7
Goliath	42	5	33.9	101.2	67.8	98.8	83.3	83.7
Hayden	37	4	34.6	108.5	57.9	104.0	81.0	81.7
SD Buffalo	38	5	32.3	93.0	49.0	90.0	69.5	77.4
Shelby427	36	5	34.6	94.8	81.0	91.4	86.2	75.6
Rushmore	36	5	33.5	95.4	51.2	84.5	67.9	69.7
MN Pearl	39	5	30.7	102.2	36.4	90.6	63.5	65.4
SD Titan	43	1	32.7	–	119.1	116.7	117.9	–
SD Momentum	46	2	32.1	–	122.3	120.6	121.4	–
Esker2020	38	3	30.0	–	–	120.8	–	–
GMI2020Y2863	42	3	32.1	–	–	120.8	–	–
Saddle	34	4	32.5	–	–	73.4	–	–
SD Ranger	38	4	33.1	–	–	124.2	–	–
Sumo	34	2	32.5	–	–	101.5	–	–
Trial Average#	38.0	3	33.2	106.3	79	115.5	97.3	100.3
LSD (0.05)†	2.2	0.8	0.8	12.1	12.5	11.8	–	–
C.V. %‡	4.1	21.1	1.8	8.1	11.2	7.2	–	–
* 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.								