



**SOUTH DAKOTA
STATE UNIVERSITY**
College of Agriculture, Food
and Environmental Sciences

South Dakota State University Extension
South Dakota Agricultural Experiment Station at SDSU

2024 South Dakota Oat Variety Trial Results Volga

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Cooperator: South Dakota State University Farm Department
Location: 44.298853°, -96.920729°
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: 32 oz/ac Bronate
Fungicide: none
Date seeded: 4/12/2024
Date harvested: 8/6/2024

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**2024 South Dakota
Oat Variety Trial Results
Volga**

Table 1. 2024 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 1/3 of the trial are boldfaced and shaded light blue.

Variety	Height (in)	Lodging* (1-5)	Test Wt (lbs)	2024 (bu/a)	2-year (bu/a)	3-year (bu/a)
SD-Titan	46	4	33.2	119.1	121.9	122.8
SD-Momentum	51	4	33.7	122.3	114.5	113.5
CDC Endure	44	5	28.8	85.2	101.5	111.6
Warrior	43	5	30.9	71.9	89.8	100.1
CS Camden	42	5	26.7	71.2	92.2	98.2
Deon	43	5	30.5	81.0	90.7	97.7
Hayden	41	5	30.2	57.9	83.2	89.8
Goliath	46	5	28.4	67.8	84.5	89.4
Shelby427	39	5	32.8	58.7	76.8	86.9
Rushmore	40	5	32.6	51.2	73.3	83.3
SD-Buffalo	43	5	28.9	49.0	71.0	82.9
MN Pearl	40	5	23.2	36.4	69.3	79.5
2018Y1315	39	5	24.7	58.4	77.6	-
Trial Average#	42	4.8	30.6	79.0	89.1	96.2
LSD(0.05)†	-	-	1.4	12.5	20.0	18.1
C.V.%‡	-	-	-	11.2	15.8	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.