



**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 Beresford

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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: 1.2 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: 4/5/2024
Date harvested: 7/26/2024

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**2024 South Dakota
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Table 1. 2024 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 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	48	1.0	35.7	137.0	102.3	not available
SD-Momentum	53	1.0	37.0	132.4	99.9	-
CDC Endure	43	1.5	32.5	118.3	99.3	-
SD-Buffalo	46	3.8	33.9	112.2	97.9	-
Goliath	48	2.3	34.3	115.3	97.8	-
Deon	45	2.5	34.4	109.7	97.1	-
CS Camden	42	2.5	29.6	110.8	94.2	-
Warrior	44	1.0	33.9	119.2	90.9	-
Hayden	45	3.5	32.6	94.0	88.4	-
Shelby427	43	2.0	36.0	100.2	87.6	-
Rushmore	44	4.0	35.8	99.8	85.6	-
MN Pearl	44	5.0	27.9	82.3	84.2	-
2018Y1315	37	1.3	30.1	93.7	-	-
Trial Average#	44	1.9	34.4	118.6	93.2	-
LSD(0.05)†	-	-	1.3	9.0	17.3	-
C.V.%‡	-	-	-	5.4	13.2	-

* 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.