



2018 South Dakota Oat Variety Trial Results Selby

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Location: 45.488314°, -100.016894°
Soil Type: Highmore silt loam, cool, 2-6% 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: 320 lb/acre 46-0-0; 100 lb/acre 11-52-0 preplant broadcast
Herbicide:
 -Burndown: NR
 -Post: 1.5 pt Bromac
Fungicide: none
Date seeded: 4/30/2018
Date harvested: 8/17/2018
Notes: This location was hailed out in 2017. The reported three-year average is actually a two-year average from 2016 and 2018.

Table 1. 2018 oat variety performance trial results (average of 4 replications) at Selby, SD. Entries are sorted by overall 2-year yield. Varieties yielding in the top 1/3 of the trial are shaded light blue.

Variety	Height (in)	Lodging* (1-5)	Test Wt (lbs)	2016 (bu/a)	2017 (bu/a)	2018 (bu/a)	2-year (bu/a)	3-year (bu/a)
Rockford	38	2.8	37.7	154.6	-	184.2	-	169.4
CS Camden	38	1.8	34.4	147.1	-	190.5	-	168.8
Hayden	39	2.8	38.5	154.7	-	178.2	-	166.4
Souris	37	2.8	35.6	152.4	-	178.3	-	165.4
Horsepower	35	1.3	37.7	142.3	-	177.0	-	159.6
Newburg	43	3.0	34.9	145.9	-	173.0	-	159.4
Deon	40	2.5	36.5	141.3	-	176.8	-	159.1
Natty	40	3.5	37.7	147.5	-	167.6	-	157.6
Goliath	44	3.8	38.0	142.4	-	166.2	-	154.3
Saddle	36	1.5	35.1	155.0	-	146.0	-	150.5
Jury	42	3.3	36.9	135.0	-	159.4	-	147.2
Jerry	37	2.8	36.7	129.7	-	141.5	-	135.6
Shelby427	37	1.8	37.0	112.1	-	148.4	-	130.2
Sumo	34	2.8	36.2	131.4	-	118.6	-	125.0
Antigo	35	2.3	38.5	-	-	131.9	-	-
Trial Average#	39	2.4	37.1	137.4	-	165.6	-	153.4
LSD(0.05)†	3.0	0.8	0.9	8.7	-	9.4	-	-
C.V.%‡	5.5	-	1.9	4.5	-	4.0	-	-

* 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.