

Irrigated Oat Variety Trial - NDSU
WREC, Nesson Valley, ND 2022

Variety	Plant Height (in)	Days to Head (DAP ⁺)	Lodging (0 - 9 [*])	Test Weight (lb/bu)	Yield		
					2022 (bu/a)	2-Yr Avg [‡] (bu/a)	3-Yr Avg (bu/a)
CS Camden	36	54	1	36.8	178.6	158.2	178.2
Deon	37	54	2	39.0	173.7	151.3	166.9
ND Heart	38	53	2	38.7	176.3	152.7	166.8
Warrior	35	53	2	38.1	175.4	145.3	163.6
Rockford	37	54	0	39.6	169.7	146.8	-
Jury	39	54	1	36.4	166.3	143.7	-
Paul	37	54	0	46.4	129.4	118.6	-
MEAN	37.0	53.6	1.1	39.30	167.07	145.22	168.88
C.V. (%)	-	-	-	2.11	12.63	-	-
LSD (5%)	-	-	-	1.48	31.35	-	-
LSD (10%)	-	-	-	1.21	25.88	-	-

+ Days after planting * 0: no lodging - 9: plants lying flat on the ground ‡ Hail storm in 2021 impacted yields

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W

Elevation: 1902 ft

Soil Test (0-6 in.): P=26 ppm; K=225 ppm; pH=7.7; OM=1.9%

Previous crop: Sugarbeet

(0-24 in.): NO3-N=14 lb/a

Planted: 5/18/2022

Yield goal: 200 bu/a

Harvested: 8/25/2022

Planting population: 1.25 million seeds/a

Soil type: Lihen Loamy Fine Sand

Applied fertilizer: 455 lb/a of Urea (46-0-0)

Plot size: 90 ft²

Herbicides applied: Valor (3oz/a) [10/28/21] & Aim (1oz/a), Bison (1.5pt/a), Class Act (1qt/100gal) [6/20]

Rainfall: 13.2 inches (4/1 - 8/25)

Fungicides applied: none applied

Irrigation: 11.0 inches (5/18 - 8/25)