Oat Irrigated Variety Trial - NDSU **WREC, Nesson Valley, ND 2020**

Variety	Plant Height (in)	Days to Head (DAP*)	Lodging (0 - 9+)	Test Weight (lb/bu)	Yield 2020 (bu/a)	Yield 2-Yr Avg (bu/a)	Yield 3-Yr Avg (bu/a)
Deon	40	57	0	45.4	198.1	186.7	198.9
CS Camden	33	57	0	43.5	218.4	203.1	198.3
Hayden	37	56	0	45.4	186.3	184.2	185.9
Hytest	40	54	0	46.9	170.1	156.4	151.6
ORE3541M	36	55	0	46.7	198.4	191.1	-
ORE3542M	33	55	0	45.3	201.6	185.7	-
Warrior	36	55	0	45.4	200.1	-	-
ND Heart	36	54	0	44.2	195.0	-	-
MEAN	36.4	55.2	0.0	45.34	195.98	184.55	183.70
C.V. (%)	5.9	1.8	ns	1.17	10.44	-	-
LSD (5%)	3.2	1.4	ns	0.93	30.11	-	-
LSD (10%)	2.6	1.2	ns	0.76	24.91	-	-

* Days after planting + 0: no lodging - 9: plants lying flat on the ground

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W — Elevation: 1902 ft

Soil test (0-6 in.): P=18 ppm; K=242 ppm; pH=7.5; OM=2.2% — Previous crop: Field Pea

(0-24 in.): NO3-N=17 lb/a — Planted: 4/29/2020

Yield goal: 200 bu/a — Harvested: 8/10/2020

Planting population: 1.25 million seeds/a — Soil type: Lihen Loamy Fine Sand

Fertilizer applied: 430 lb/a of Urea (46-0-0) [4/30] — Plot size: 92 ft^2

Herbicides applied: Aim (0.5oz/a), Bison (1.5pt/a), Class Act (1qt/100gal) [5/29] — Rainfall: 4.4 inches [4/29 - 8/10]

Fungicides applied: None applied — Irrigation: 11.85 in [4/29 - 8/10]