

Oat Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2019

Variety	Plant Height (in)	Days to Head (DAP*)	Lodging (0 - 9*)	Test Weight (lb/bu)	Yield		
					2019 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
Deon	46	71	7	42.5	175.4	199.3	170.4
Hayden	47	70	5	42.2	182.1	185.7	164.5
Killdeer	42	69	8	37.6	148.3	170.3	150.4
Rockford	47	71	9	42.5	165.9	168.2	149.4
Jury	47	73	9	39.7	150.3	168.4	148.2
Beach	47	69	7	43.7	154.1	163.4	146.0
CS Camden	44	69	2	38.3	187.8	188.3	-
ORe3541M	46	70	6	41.7	183.9	-	-
ORe3542M	46	70	3	36.6	169.9	-	-
Hyttest	45	68	7	42.8	142.7	-	-
Paul	50	72	5	49.5	112.2	-	-
MEAN	46.1	70.1	6.2	41.55	161.15	177.66	154.83
C.V. (%)	3.6	2.0	41.2	7.02	15.68	-	-
LSD (5%)	2.4	2.0	3.7	ns	36.21	-	-
LSD (10%)	2.0	1.7	3.0	3.49	30.10	-	-

* 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=22 ppm; K=177 ppm; pH=7.9 ; OM=2.2%

Previous crop: Field Pea

(0-24 in.): NO3-N=25 lb/a

Planted: 4/24/2019

Yield goal: 200 bu/a

Harvested: 8/19/2019

Planting population: 1.25 million seeds/a

Soil type: Lihen Loamy Fine Sand

Applied fertilizer: 208 lb/a of Urea (46-0-0) [4/18]

Plot size: 92 ft²

Herbicides applied: Aim 0.5 oz/a, Rhonox 1 pt/a, and Moxy 1 pt/a (6/5)

Rainfall: 9.6 in (4/24 - 8/19)

Fungicides applied: None applied