

Flax Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2020

Variety	Days to Flower (DAP*)	Days to Maturity (DAP*)	Plant Height (in)	Lodging (0 - 9 ⁺)	Oil [†]			Test Weight (lb/bu)	Yield		
					2020 (%)	2-Yr Avg (%)	3-Yr Avg (%)		2020 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
Bison	54	95	29	0	38.7	38.5	38.4	51.4	44.7	41.7	35.1
ND Hammond	53	96	27	0	39.4	39.0	38.5	51.7	41.6	38.4	33.4
Prairie Thunder	55	96	30	0	38.1	37.7	37.6	52.0	41.9	40.0	33.2
York	54	94	28	1	39.0	39.0	38.6	52.2	41.9	37.3	32.5
Gold ND	59	96	30	0	40.7	40.5	39.7	52.7	41.1	36.1	31.5
CDC Glas	57	94	29	0	38.6	39.3	39.0	50.1	45.3	33.2	30.1
CDC Buryu	51	91	28	1	39.1	-	-	50.8	46.3	-	-
CDC Plava	54	91	26	1	39.6	-	-	51.1	44.9	-	-
CDC Neela	54	93	28	0	38.8	-	-	51.7	44.2	-	-
CDC Durado	52	91	24	0	39.8	-	-	51.4	42.0	-	-
AAC Bright	55	93	28	0	41.0	-	-	49.9	41.6	-	-
Omega	54	94	25	0	39.8	-	-	52.7	41.5	-	-
Webster	56	96	31	1	39.2	-	-	52.0	38.5	-	-
MEAN	54.3	93.6	28.0	0.3	39.36	38.99	38.62	51.51	42.72	37.79	32.61
C.V. (%)	4.8	2.7	5.1	159.1	2.02	-	-	1.27	8.84	-	-
LSD (5%)	3.7	3.7	2.1	0.6	1.34	-	-	1.10	5.42	-	-
LSD (10%)	3.1	3.0	1.7	0.5	1.11	-	-	0.91	4.51	-	-

* Days after planting † 0: no lodging - 9: plants lying flat on the ground † Oil content adjusted to 9% moisture

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

Elevation: 1902 ft

Soil test (0-6 in.): P=24 ppm; K=158 ppm; pH=7.9; OM=2.9 %

Previous crop: Durum

(0-24 in.): NO3-N=29 lb/a

Planted: 5/5/2020

Yield goal: 50 bu/a

Harvested: 8/24/2020

Planting population: 1.1 million seeds/a

Soil type: Lihen Loamy Fine Sand

Fertilizer applied: 110 lb/a of Urea (46-0-0) [5/11]

Plot size: 61 ft²

Herbicides applied: Spartan Charge (2oz/a) [5/11], Section 3 (5.33oz/a) and Superb (1qt/a) [6/16]

Rainfall: 4.6 inches [5/5 - 8/24]

Fungicide applied: Proline 480SC (5oz/a) [7/6]

Irrigation: 10.2 in [5/5 - 8/24]