

Flax Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2018

Variety	Days to Flower (DAP*)	Days to Maturity (DAP*)	Plant Lodge (0 - 9*)	Plant Height (inch)	Oil†			Test Weight (lb/bu)	Yield		
					2018 (%)	2-Yr Avg (%)	3-Yr Avg (%)		2018 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
CDC Glas	63	93	1	26	38.5	39.6	37.9	53.6	23.7	30.7	39.3
Bison	61	96	1	26	38.2	39.3	37.8	54.3	21.7	30.3	38.5
Gold ND	62	97	1	25	38.0	39.3	37.4	54.7	22.2	30.3	38.5
York	58	92	3	26	37.7	38.9	37.0	54.3	23.0	29.8	38.1
Prairie Blue	62	96	1	26	38.6	39.3	37.6	54.0	20.5	28.6	37.1
CDC Sorrel	62	94	2	27	38.8	39.4	37.6	53.9	21.2	27.5	36.4
CDC Sanctuary	61	96	3	26	37.6	38.8	-	53.3	23.0	30.4	-
ND Hammond	61	96	1	26	37.5	-	-	53.9	23.3	-	-
Pembina	60	96	1	26	38.5	-	-	54.2	23.2	-	-
Rahab 94	61	94	2	25	37.9	-	-	53.9	22.8	-	-
Prairie Thunder	64	96	1	27	37.2	-	-	54.5	19.6	-	-
<b>MEAN</b>	61.4	95.0	1.5	26.2	38.06	39.23	37.56	54.03	22.31	29.64	37.99
<b>C.V. (%)</b>	-	-	-	-	0.70	-	-	0.54	21.08	-	-
<b>LSD (5%)</b>	-	-	-	-	0.53	-	-	0.42	ns	-	-
<b>LSD (10%)</b>	-	-	-	-	0.44	-	-	0.35	ns	-	-

\* 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 to (0-6"): P=30 ppm; K=188 ppm; pH=7.7; OM=2.3%  
(0-24"): NO3-N= 95 lb/a

Previous crop: Durum

Planted: 5/8/2018

Applied fertilizer in lb/a broadcast: 69 lbs of 46-0-0 (5/1/2018)

Harvested: 8/23/2018

Yield goal: 50 bu/a

Soil Type: Lihen Loamy Fine Sand

Planting population: 52 lbs/a

Plot size: 48.75 ft<sup>2</sup>

Herbicides applied: Section 3 8 oz/a (6/4/2018), Bison 1 pt/a (6/6/2018),  
and Section 3 8 oz/a (6/20/2018)

Rainfall: 8.5 in (5/8/2018 - 8/23/2018)

Irrigation: 8.4 in (5/8/2018 - 8/23/2018)

Fungicides applied: Headline 12 oz/a (7/3/2018)