

**NORTH DAKOTA STATE UNIVERSITY**  
**Williston Research Extension Center**

**Flax Dryland Variety Trial - NDSU**

**WREC, Williston, ND 2018**

Variety	Days to Flowering	Days to Maturity	Plant height	Oil†	Yield	
					2-Yr Avg*	3-Yr Avg**
	(DAP <sup>1</sup> )	(DAP <sup>1</sup> )	(in)	(%)	-----(bu/a)----	
<b>Brown Seeded</b>						
Bison	49	82	24.9	42.6	16.4	19.6
CDC Bethune	48	83	26.6	42.3	16.3	20.1
CDC Glas	51	83	23.1	42.9	17.5	21.8
CDC Neela	48	81	22.2	42.3	18.2	22.6
CDC Sanctuary	48	83	23.2	42.1	19.4	22.3
CDC Sorrel	51	83	24.8	42.5	17.6	21.6
ND Hammond	48	84	23.2	41.0	-	-
Nekoma	50	82	23.4	42.7	16.6	20.2
Pembina	49	82	24.5	42.3	16.1	20.0
Prairie Blue	50	84	25.1	42.2	17.3	21.0
Prairie Sapphire	50	82	24.0	43.6	17.3	20.5
Prairie Thunder	49	85	23.8	41.8	17.2	20.6
Rahab 94	50	85	24.7	41.2	16.4	20.1
Webster	51	85	23.8	42.1	16.8	20.3
York	48	83	23.4	41.7	15.3	19.1
<b>Yellow Seeded</b>						
Carter	46	83	23.0	42.4	16.1	20.8
Gold ND	49	81	26.1	42.8	17.0	21.3
Omega	46	81	23.8	41.6	14.2	18.6
Mean	49	83	23.8	42.3	-	-
CV (%)	2.3	2.6	9.9	1.0	-	-
LSD (5%)	1.8	NS	NS	0.7	-	-
LSD (10%)	1.5	NS	NS	0.6	-	-

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft

Planted: 05/08/2018

Previous crop: Spring Wheat

Soil test (0-6"): P=43 ppm; K=332 ppm; pH=6.3; OM=2.0%

Harvested: 08/20/2018

(0-24"): NO<sub>3</sub>-N=35 lb/a

Soil type: Williams-Bowbells loam

Applied fertilizers in lb/a: N=42; P<sub>2</sub>O<sub>5</sub>=18.2; K<sub>2</sub>O=4.6; S=0.5

DAP<sup>1</sup>=Days After Planting

Oil<sup>†</sup>=Adjusted to a 9% moisture

\*Average of years 2016 and 2017. \*\*Average of year 2015, 2016, and 2017

**Note: Trial received heavy rain, wind, and hailstorms that damaged the crop and adversely affected yield.**

**Therefore, this year's yield has not been reported.**

23-Jun-18 Wind speed=46 mph; Precipitation=1.53".

28-Jun-18 Wind speed=61 mph; Precipitation=0.94"; Hail.

9-Jul-18 Wind speed=48 mph; Precipitation=1.67".