

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Dryland Flax Variety Trial - NDSU

WREC, Williston, ND 2017

Variety	Origin	Seed Color	Days to Flower	Days to Mature	Plant Height	Oil ²		Test Weight	Yield		
						2017	3-Yr Avg		2017	2-Yr Avg	3-Yr Avg
			DAP ¹	DAP ¹	inch	----%----	lb/bu	(bu/a)	(bu/a)	(bu/a)	
Brown Seeded											
CDC Sanctuary	Can.	Brown	56	88	20	43.2	39.7	52.6	11.8	19.4	22.3
CDC Glas	Can.	Brown	56	87	21	43.3	40.0	52.4	12.6	17.5	21.8
CDC Sorrel	Can.	Brown	54	87	21	43.3	39.7	52.2	10.3	17.6	21.6
Prairie Blue	Can.	Brown	54	88	21	43.2	39.9	52.9	11.8	17.3	21.0
Prairie Thunder	Can.	Brown	55	89	21	42.6	38.5	53.4	11.6	17.2	20.6
Prairie Sapphire	Can.	Brown	55	87	21	43.9	40.5	52.5	11.3	17.3	20.5
Shape	Can.	Brown	53	89	21	42.6	39.8	53.1	11.6	17.6	20.4
Webster	SD	Brown	53	89	21	42.4	39.5	52.9	9.8	16.8	20.3
Nekoma	ND	Brown	54	88	20	43.4	39.6	52.9	10.6	16.6	20.2
Rahab 94	SD	Brown	56	88	19	42.3	39.2	52.0	9.4	16.4	20.1
CDC Bethune	Can.	Brown	54	89	20	42.6	38.9	53.1	10.5	16.3	20.1
Pembina	ND	Brown	55	89	21	43.3	39.8	52.8	9.6	16.1	20.0
Bison	ND	Brown	53	89	21	42.7	39.2	53.2	12.3	16.4	19.6
Prairie Grande	Can.	Brown	53	90	21	43.3	39.4	53.0	8.6	15.5	19.4
York	ND	Brown	52	88	20	41.9	38.5	52.9	9.7	15.3	19.1
CDC Neela	Can.	Brown	53	86	19	43.7	-	52.3	11.8	-	-
CDC Plava	Can.	Brown	54	88	21	42.9	-	52.6	7.4	-	-
Yellow Seeded											
Carter	ND	Yellow	54	88	19	43.3	39.4	53.2	10.0	16.1	20.8
CDC Melyn	Can.	Yellow	58	89	22	44.2	-	53.8	8.7	-	-
Gold ND	ND	Yellow	56	90	22	45.5	40.5	53.5	10.5	17.0	21.3
Omega	ND	Yellow	55	88	20	43.5	39.4	54.0	9.8	14.2	18.6
Mean			54.4	88.3	20.7	43.19	-	52.93	10.47	-	-
CV (%)			2.0	1.6	6.3	2.3	-	0.4	14.1	-	-
LSD (5%)			1.8	NS	2.1	1.62	-	0.32	2.41	-	-
LSD (10%)			1.5	NS	1.7	1.35	-	0.27	2.02	-	-

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

Planting Date: 4/26/2017

Soil test (0-6"): P=24 ppm; K=266 ppm; pH=5.8; OM=2.3%

(0-24"): NO₃-N=26 lb/a

Applied fertilizer in lb/a: 64.01 N : 40.4 P₂O₅ : 0 K₂O

Chemical Applications: 3 oz./a Valor, 8.5 oz./a Sonalan (preplant fall applied)

DAP¹ = Days after planting

Oil² = Oils are reported on a oven dried basis, 120°F for 4 hours

Previous crop: Durum

Harvest Date: 8/9/2017

Soil type: Williams-Bowbells loam