

Flax Variety Trial

WREC, Williston, ND 2016

Variety	Days to Flower	Days to Mature	Plant Height	Oil		Test Weight	Yield		
				2016	3-Yr Avg		2016	2-Yr Avg	3-Yr Avg
				----%----			(bu/a)	(bu/a)	(bu/a)
Brown Seeded									
Bison	52	91	21	37.2	38.0	53.8	20.4	23.3	21.4
York	52	90	21	36.0	37.3	54.0	20.9	23.8	22.1
Prairie Grande	52	90	20	36.7	38.0	53.7	22.4	24.7	22.3
Pembina	52	90	21	37.6	38.3	53.8	22.6	25.1	22.3
Shape	53	90	21	37.6	39.0	53.5	23.5	24.8	22.4
Webster	52	89	20	37.6	38.4	54.0	23.7	25.6	22.5
Prairie Sapphire	53	90	20	38.2	39.3	53.1	23.3	25.1	22.5
CDC Bethume	52	91	20	36.4	37.6	54.0	22.1	24.9	22.7
Prairie Thunder	53	91	21	35.6	37.1	53.9	22.8	25.1	22.8
Nekoma	52	90	21	37.1	38.3	53.8	22.6	24.9	23.3
Rahab 94	52	90	20	37.2	38.3	53.3	23.4	25.5	23.5
Prairie Blue	53	90	20	37.9	38.9	53.6	22.7	25.6	23.9
CDC Glas	53	89	21	37.9	38.7	52.8	22.4	26.4	23.9
CDC Sanctuary	53	91	21	37.6	38.3	53.6	26.9	27.5	24.5
CDC Sorrel	54	90	22	37.1	38.4	53.6	25.0	27.2	24.6
CDC Neela	52	89	19	36.1	-	53.8	24.5	-	-
CDC Plava	53	89	20	37.2	-	53.5	25.0	-	-
Yellow Seeded									
Carter	52	92	21	37.0	37.9	53.9	22.2	26.2	23.6
Gold ND	53	90	22	37.3	38.7	54.3	23.6	26.7	24.3
Omega	54	89	19	37.1	37.9	54.3	18.6	23.0	22.3
Mean	52.6	89.9	20.6	37.12	-	53.72	22.93	-	-
CV (%)	0.8	1.2	5.8	2.8	-	0.3	11.1	-	-
LSD (5%)	0.6	1.5	1.7	1.48	-	0.25	3.56	-	-
LSD (10%)	0.5	1.3	1.4	1.24	-	0.21	2.98	-	-

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

Previous crop: Durum

Planting Date: 4/23/2016

Harvest Date: 8/16/2016

Harvested area: 49.2 ft²

Soil test (0-6"): P=17 ppm; K=274 ppm; pH=6.5; OM=2.2%

Soil type: Williams-Bowbells loam

(0-24"): NO3-N=33 lb/a

Applied fertilizer in lb/a: 47.2 N : 4 P2O5 : 0 K2O

Chemical Applications: Spartan Charge with RT3 at 3.75fl.oz/a (preplant spring applied) (4/30/2016),

Bromac Advanced at 12fl.oz/a (5/26/2016), Assure II at 12 fl.oz/a (6/10/2016), Gramoxone SL at 1qt./a (8/1/2016)

DAP¹ = Days after planting