

Flax Dryland Variety Trial - NDSU

WREC, Williston, ND 2019

Variety	Stand (%)	Days to Flowering (DAP)	Days to Maturity (DAP)	Plant height (in)	Oil† (%)	Test weight (lb/bu)	Yield		
							2019 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
OMEGA	64	56	94	27.3	43.4	53.2	21.8	21.2	17.4
CDC GLAS	69	55	94	28.0	44.4	47.8	21.3	18.3	16.4
CDC NEELA	40	56	97	24.4	43.0	51.3	16.2	16.6	15.0
YORK	70	54	94	27.2	43.7	51.0	16.2	17.1	14.6
PRAIRIE THUNDER	58	55	95	27.7	43.1	51.1	19.3	15.2	14.0
GOLD ND	59	55	95	28.1	44.7	52.2	14.0	15.1	13.6
BISON	66	54	94	27.6	43.1	52.1	12.6	14.1	13.5
CARTER	63	53	95	25.3	42.9	51.9	13.9	14.9	13.3
WEBSTER	66	54	97	28.2	44.4	51.5	13.2	13.4	12.2
ND HAMMOND	63	54	96	25.9	42.3	50.3	15.9	13.8	-
CDC BURYU	76	53	94	27.0	43.4	52.3	26.8	-	-
CDC MELYN	60	56	94	26.4	45.3	46.0	15.3	-	-
CDC PLAVA	73	55	95	26.5	44.7	47.7	28.8	-	-
CDC BRIGHT	76	54	94	25.9	45.9	45.3	21.5	-	-
Mean	63	55	95	27.1	44.0	51.2	17.4	-	-
CV (%)	23	2	2	6.2	0.8	1.3	21.4	-	-
LSD (5%)	21	2	3	2.3	0.5	1.0	5.2	-	-
LSD (10%)	17	1	2	2.0	0.4	0.8	4.4	-	-

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

Previous crop: German Foxtail Millet

Planted: 5-3-2019

Harvested: 09-23-2019

†Oil adjusted to 9% moisture

Soil type: Williams-Bowbells loam

Soil test to 6" in ppm: P=26 ppm K=301 ppm OM=1.8% pH=5.9

Soil test to 24" in lb/a: N=106 lb/a

Applied fertilizers in lb/a: N=21; P=24; K=0; S=6; Zn=0.6 (60 lbs/a MESZ applied with seed , 30 Ins of Urea broadcast)

Herbicide Applications: Valor @ 3 oz/a with LV6 @ 1pt/a (10/22/18) ; Bison @ 0.9pt/a with Secure EC @ 12 oz/a (6/24/2019)