

Lentil Dryland Variety Trial - NDSU

WREC, Williston, ND 2020

Variety	Days to Flowering	Days to Maturity	Plant height	1000 Kernel Weight	Protein	Test weight	Yield		
							2020	2-Yr Avg	3-Yr Avg
	(DAP)	(DAP)	(in)	(g)	(%)	(lb/bu)	----- (lb/a)	-----	-----
Large Green									
CDC Greenstar	55	95	15	131.4	26.0	59.7	1260.0	-	-
Medium Green									
CDC Richlea	54	94	12	108.3	24.9	60.6	1260.0	1932.0	1662.0
Avondale	53	93	12	103.5	24.9	61.3	1254.0	1956.0	1620.0
Small Green									
ND Eagle	51	92	12	82.8	25.9	62.3	984.0	1782.0	1500.0
CDC Kermit	56	92	11	67.3	26.4	62.6	1062.0	-	-
CDC Invincible CL	55	92	13	73.3	27.0	62.4	1038.0	-	-
Small Red									
CDC Impala CL	55	91	12	65.5	N/A	63.1	1266.0	-	-
CDC Maxim CL	54	93	12	83.9	N/A	62.2	1248.0	-	-
Mean	54	93	12	89.5	25.9	61.8	1170.0	-	-
CV (%)	1.7	0.6	8.2	2.0	2.3	0.4	11.9	-	-
LSD (5%)	1.6	1.0	1.8	3.1	1.1	0.5	246.0	-	-
LSD (10%)	1.3	0.9	1.5	2.5	0.9	0.4	198.0	-	-

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

Previous crop: wheat

Planted: 04/29/2020

Harvested: 08/17/2020

Soil test to 6" in ppm: P = 22 ppm; K = 264 ; OM = 1.9%; pH = 5.6

Soil type: Williams-Bowbells loam.

Soil test to 24" in lb/a: N = 10 lb/a

Applied fertilizers in lb/a: N=0; P=0; K=0; S=0

Herbicide Application: Valor @ 3oz/a (10/21/19); Clethodim @ 8 oz/a (6/15/2020) ; Assure II @ 8 oz/a (7/6/2020)