

Lentils Dryland Variety Trial - NDSU

WREC, Williston, ND 2019

Variety	Days to Flowering (DAP ¹)	Days to Maturity (DAP ¹)	Plant height (in)	1000 Kernel Weight (g)	Protein [†] (%)	Test weight (lb/bu)	Yield [#] (lb/a)		
							2019	2-Yr Avg	3-Yr Avg
French Green									
CDC LEMAY	58	94	10.1	31.0	24.5	63.0	1828	1379	1095
Medium Green									
AVONDALE	55	95	13.6	47.6	27.0	61.1	2661	1799	1547
CDC RICHLEA	56	95	13.7	46.8	26.0	61.3	2600	1862	1513
Large Green									
CDC GREENLAND	57	95	11.3	60.9	23.7	58.1	2277	1790	1445
RIVELAND	54	95	14.1	70.0	25.2	58.4	2379	1625	1360
PENNELL	57	95	12.1	56.3	25.4	59.4	1537	1124	968
Small Green									
CDC VICEROY	56	94	11.8	31.0	25.5	62.7	2580	1865	1485
ND EAGLE	54	94	12.0	36.2	24.1	62.6	2583	1745	1463
Small Red									
CDC RED RIDER	57	94	12.8	42.7	25.3	62.0	2783	2037	1640
CDC REDBERRY	57	94	14.0	40.1	25.2	62.1	2376	1862	1485
CDC ROULEAU	58	94	12.4	33.2	25.1	61.6	2491	1704	1417
CDC ROSETOWN	58	94	11.4	26.6	24.7	63.1	2259	1681	1345
Spanish Brown									
PARDINA	53	94	9.7	39.5	25.0	63.8	2389	1307	1137
Mean	55.19	94.38	12.02	46.91	25.1	61.59	2403	-	-
CV (%)	1.13	0.53	10.70	4.46	5.6	1.19	11	-	-
LSD (5%)	0.88	0.70	1.81	2.95	2.0	1.03	388	-	-
LSD (10%)	0.74	0.58	1.51	2.47	1.6	0.86	324	-	-

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

Previous crop: German Foxtail Millet

Planted: 05/03/2019

Harvested: 8/16/2019

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

Soil type: Williams-Bowbells loam.

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

Applied fertilizers in lb/a: none

[†]Protein adjusted to 0% moisture.[#]Yield reported on a 13.5% moisture basis.¹DAP = Days after planting.

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