

Irrigated Lentil Variety Trial	WREC-Nesson Valley 2015
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Variety	Flower Date	Days to Mature	Height ²	Protein	TW	Yield
	DAP ¹	DAP ¹	inch	%	lb/bu	lb/a
Large Green						
CDC Greenland	54	90	12	28.3	57.0	1529
Pennell	54	89	12	29.6	56.5	1269
Medium Green						
Avondale	53	85	12	27.0	59.3	2380
CDC Richlea	54	90	12	27.7	58.4	1947
Small Green						
CDC Viceroy	53	89	12	29.9	62.2	2616
Essex	54	88	12	26.9	59.2	1708
Small Red						
CDC Redberry	53	86	12	29.2	61.0	2805
CDC Red Rider	53	87	12	28.5	59.8	2013
Mean	53.5	88.4	11.8	28.23	58.77	1908.0
C.V.%	2.2	5.4	10.1	2.5	0.9	18.1
LSD 5%	NS	NS	NS	1.06	0.41	541.59
LSD 10%	NS	NS	NS	0.88	0.34	448.1

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W; Elevation 1902 ft

Planted: 5/4/2015

Harvested: 8/10/2015

Plot size: 61.25 ft²

Previous crop: barley

Applied fertilizer in lbs/a broadcast: 215 lbs of 46-0-0 (6/4/2015)

Soil test to 6": 28 ppm P : 236 ppm K OM-2.1 pH-7.7

Soil test to 2' in lb/a: 35 lbs N

Soil type: Lihen Loamy Fine Sand

Yield goal: 2500 lbs/a

Planting population: 750,000 seeds/a

Row spacing: 7.5 inch

Herbicides Applied: Sharpen 0.375 oz/a (5/5/2015), Section 2EC 6 oz/a

+ Destiny 1% v/v (6/4/2015), Gramaxone 2 pt/a + NIS 2 pt/100 gal (8/4/2015)

Rainfall: 5.6 in (5/4 - 8/4)

Irrigation: 7.5 in (4/21 - 8/4)

DAP¹ = Days After Planting

Canopy Height² = Height of the canopy as is at harvest