

Dryland Lentil Statewide Conventional VT

WREC, Williston, ND 2017

Variety	Seed Type	Stand (%)	Days to Flower DAP ¹	Days to Mature DAP ¹	Vine Length (inch)	Canopy Height (inch)	1000 Seed Weight (g)	Test Weight (lb/bu)	Yield		
									2017 (lb/a)	2-Yr Avg (lb/a)	3-Yr Avg (lb/a)
French Green											
CDC Lemay	French Green	66	53	76	10	9	30	61.8	527	1170	1301
Large Green											
Pennell	Large Green	98	51	78	10	9	57	56.9	656	1419	1478
Riveland	Large Green	95	48	75	11	10	64	56.4	831	1494	1452
CDC Greenland	Large Green	98	52	75	11	11	58	57.5	754	1436	1393
Medium Green											
Avondale	Medium Green	96	49	74	11	10	44	59.7	1044	1642	1671
CDC Richlea	Medium Green	95	51	76	10	9	42	60.5	814	1512	1607
Small Green											
ND Eagle	Small Green	95	48	72	10	9	32	61.6	899	1475	1475
CDC Viceroy	Small Green	91	49	75	10	10	30	62.2	726	1333	1400
Eston	Small Green	89	47	72	10	9	30	61.8	758	1193	1377
Small Red											
CDC Rouleau	Small Red	93	53	77	11	10	36	60.3	844	1710	1661
CDC Red Rider	Small Red	94	52	76	10	9	40	61.5	846	1616	1621
CDC Redberry	Small Red	92	51	77	10	9	40	60.3	731	1302	1369
CDC Rosetown	Small Red	94	52	77	10	9	28	62.2	672	1202	1294
Spanish Brown											
Pardina	Spanish Brown	96	44	71	10	8	35	62.7	797	1343	1482
Mean		92.1	49.9	75.0	10.3	9.5	40.3	60.38	778.5	-	-
CV (%)		7.4	1.7	1.8	8.3	9.5	2.6	0.5	13.7	-	-
LSD (5%)		9.4	1.1	1.9	1.2	1.2	1.5	0.43	145.70	-	-
LSD (10%)		7.9	0.9	1.6	1.0	1.0	1.2	0.36	121.83	-	-

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

Previous crop: Oats

Planting Date: 5/10/2017

Harvest Date: 8/9/2017

Soil test (0-6"): P=25 ppm; K=252 ppm; pH=6.3; OM=2.5%
(0-24"): NO3-N=13 lb/a

Soil type: Williams-Bowbells loam

Applied fertilizer in lb/a: none; seed inoculated with peat-based inoculant at planting

Chemical Applications: 1 qt./a Round Up, 2 pt./a LV6 (Fall 2016), 42 oz./a Prowl H₂O, 1 oz./a Pursuit (applied 5/11/2017)

DAP¹= Days after planting

Dryland Lentil Clearfield Variety Trial - NDSU

WREC, Williston, ND 2017

Variety	Seed Type	Days to Flower DAP ¹	Days to Mature DAP ¹	Vine Length (inch)	1000 Seed Weight (g)	Test Weight (lb/bu)	Yield		
							2017 (lb/a)	2-Yr Avg (lb/a)	3-Yr Avg (lb/a)
Conventional									
Avondale	Medium Green	49	74	11	44	59.4	868	-	-
Extra Small Red									
CDC Impala	Extra Small Red	54	77	10	28	62.0	645	1080	1169
French Green									
CDC Peridot	French Green	48	73	11	32	61.8	812	1277	-
Medium Green									
CDC Impress	Medium Green	52	79	13	48	58.9	708	1207	-
Small Green									
CDC Invincible	Small Green	52	76	11	29	62.3	761	1501	1425
Small Red									
CDC Dazil	Small Red	49	75	11	30	60.7	617	1337	-
CDC Proclaim	Small Red	49	76	12	35	60.9	697	1335	-
CDC Maxim	Small Red	51	76	11	34	60.6	711	1225	1355
Mean		50.4	75.5	11.2	34.9	60.83	727.3	-	-
CV (%)		1.4	1.9	10.3	6.3	0.4	12.8	-	-
LSD (5%)		1.0	2.0	1.7	3.3	0.37	136.91	-	-
LSD (10%)		0.9	1.7	1.4	2.7	0.31	95.21	-	-

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

Previous crop: Oats

Planting Date: 5/10/2017

Harvest Date: 8/9/2017

Soil test (0-6"): P=25 ppm; K=252 ppm; pH=6.3; OM=2.5%
(0-24"): NO3-N=13 lb/a

Soil type: Williams-Bowbells loam

Applied fertilizer in lb/a: none; seed inoculated with peat-based inoculant at planting

Chemical Applications: 1 qt./a Round Up, 2 pt./a LV6 (Fall 2016), 42 oz./a Prowl H₂O, 1 oz./a Pursuit (applied 5/11/17)

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