

2010 Lentil Variety Trial – Continuously Cropped - No-till

Hettinger

Variety	Days to Bloom	Plant Ht.	Lodging	1000 Seed wt.	Test Weight	Seed Yield			Average Yield	
	*	inches	0-9**	grams	lbs/bu	2008	2009	2010	2 yr	3 yr
						----- pounds per acre -----				
Large Green Types										
CDC Greenland	66	19	7	68.2	--	1315	1724	872	1298	1304
Pennell	67	18	2	82.2	57.8	1095	1530	1128	1329	1251
Riveland	63	17	6	74.2	--	1098	1186	743	964	1009
Medium Green Types										
CDC Richlea	65	17	5	58.8	59.3	1355	1434	1154	1294	1314
Small Green Type										
CDC Viceroy	67	16	5	36.4	61.6	1295	1822	1446	1634	1521
Small French Green Type										
CDC LeMay	65	14	8	35.8	61.2	1294	1424	1570	1497	1429
Medium Red Types										
CDC Red Rider	66	18	3	47.0	59.5		1782	1663	1722	
Small Red Types										
CDC Rouleau	66	17	2	40.8	60.0	1247	1822	1749	1786	1606
CDC Redberry	65	17	2	47.0	61.3		1592	1390	1491	
Extra Small Red Type										
CDC Rosetown	66	18	4	33.8	61.7		1749	1498	1624	
Trial Mean	66	17	4	52.4	60.6	1056	1512	1321	--	--
C.V. %	1.0	12.3	39	3.1	1.7	13.2	11.9	11.8	--	--
LSD .05	1	NS	3	5.2	NS	197	257	226	--	--
LSD .01	1	NS	4	7.0	NS	262	344	305	--	--

* Days to Bloom = the number of days from planting to 10% flowering.

** Lodging: 0 = none, 9 = lying flat on ground.

NS = no statistical difference between varieties.

Planting Date: April 19

Harvest Date: August 18

Seeding Rate: 550,000 live seeds / acre.

Previous Crop: 2007 & 2008 = hrsw, 2009 = durum.

Note: The 2009 trial sustained moderate hail damage.