

2008 Lentil Variety Trial – Continuously Cropped - No-till

Hettinger

Variety	Days to Bloom	Days to Mature	Plant Ht.	1000 Seed wt.	---- Seed Yield ----			Average Yield	
	*	*	inches	grams	2006	2007	2008	2 yr	3 yr
					----- pounds per acre -----				
Large Green Types									
Pennell	63	91	10	66.6	1453	1494	1095	1294	1347
CDC Plato	63	94	12	69.8	1737	1070	1063	1066	1290
Riveland	60	93	14	74.4	1258	1095	1098	1096	1150
CDC Improve-CL	62	93	14	72.7		1469	985	1227	
CDC Greenland	62	92	11	68.4			1315		
Medium Green Types									
CDC Richlea	62	93	10	55.4	2135	1742	1355	1548	1744
CDC Meteor	62	93	11	49.8	2054	1394	1205	1300	1551
CDC Impress-CL	62	92	11	55.0			1364		
Small Green Types									
CDC Viceroy	63	91	10	39.4	1972	1693	1295	1494	1653
Small Red Types									
Crimson	62	90	10	39.6	1989	1046	939	992	1325
CDC Rouleau	61	92	9	45.2	1526	1195	1247	1221	1323
CDC Impact-CL	60	92	10	43.4		1120	537	828	
CDC Maxim-CL	60	92	10	46.2			1227		
Extra Small Red Type									
CDC Imperial-CL	62	92	10	39.3		647	758	702	
CDC Rosetown	62	91	9	37.8			851		
CDC Impala-CL	62	94	10	38.8			729		
French Green Type									
CDC Lemay	62	92	12	48.0	1591	1319	1294	1306	1401
Trial Mean	62	92	11	54.7	1727	1130	1056	--	--
C.V. %	1.8	1.0	13.6	4.1	6.2	12.5	13.2	--	--
LSD .05	1	1	2	2.1	151	232	197	--	--
LSD .01	2	2	3	2.8	200	309	262	--	--

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

Planting Date: April 28, 2008

Harvest Date: August 11, 2008

Seeding Rate: 550,000 live seeds / acre.

Previous Crop: 2005 = barley, 2006 & 2007 = hrsw.

2008 Lentil Seeding Rate Trial – Continuously Cropped - No-till

Hettinger

Seeding Rate	Plant Stand	Days to Bloom	Duration of Bloom	Days to Mature	Plant Height	1000 Seed wt.	Test Weight	----- Seed Yield -----					
								2003	2004	2005	2006	2008	Avg.
seeds/ft ²	plants/ft ²	*	Days	*	inches	grams	lbs/bu	----- pounds per acre -----					
28	22	54	16	85	11	55.2	58.3	--	--	--	--	1103	--
24	23	54	15	86	11	54.6	57.7	--	--	2660	2240	1192	2031
20	22	54	16	86	13	55.4	58.2	--	--	2623	2194	1249	2022
16	18	55	15	86	13	53.8	58.3	--	--	2464	2063	1308	1945
12	13	55	15	86	12	54.8	58.5	1307	2233	2352	2110	1241	1849
8	12	55	16	86	12	54.2	58.3	999	1960	1979	1895	965	1560
4	--	--	--	--	--	--	--	719	1591	--	--	--	1155
C.V. %	20.8	0.7	3.9	0.5	14.2	2.2	1.5	8.2	6.2	7.3	10.0	11.7	--
LSD .05	6	NS	NS	NS	NS	NS	NS	134	184	270	NS	207	--
LSD .01	8	NS	NS	NS	NS	NS	NS	188	258	378	NS	286	--

* Days to Bloom and Days to Mature = the number of days from planting to 10% bloom and to maturity.
 NS = no statistical difference between seeding rates.

Planting Date: May 5, 2008

Harvest Date: August 11, 2008

Variety = 2003, 04, 05 & 08 = CDC Richlea (medium green type), 2006 = CDC Blaze (small red type).