

2004 Lentil Variety Trial – Continuously Cropped - No-till

Hettinger

Variety	Days to Bloom	Plant Height inches	1000 Seed wt. grams	Test Weight Lbs/bu	Seed Yield			Average Yield	
					2002	2003	2004	2 yr	3 yr
					----- Pounds per acre -----				
Chilean									
Pennell	70	10	68.6	59.4	347	905	2614	1760	1289
CDC Richlea	66	11	50.8	60.6	360	952	2436	1694	1249
Mettitt	63	10	66.6	59.6	258	1279	1951	1615	1163
Laird	69	14	73.4	59.9	53	719	2194	1456	989
CDC Sedley	68	12	75.2	60.3			2268		
Persian									
CDC Milestone	66	10	36.2	62.3	293	1148	2203	1676	1215
Crimson	66	8	33.2	--	231	775	1148	962	718
Red Robin	66	10	27.6	62.6		1195	1382	1288	
Pardina	63	7	42.2	63.0		859	1596	1228	
CDC Blaze	65	9	36.2	62.6			1587		
Trial Mean	66	10	51.0	61.2	296	881	1938	--	--
C.V. %	1.1	7.8	2.6	0.5	33.1	14.4	10.6	--	--
LSD .05	1	1	1.9	0.4	146	184	297	--	--
LSD .01	1	2	2.6	0.6	199	248	402	--	--

Planting Date: April 15, 2004

Harvest Date: August 10, 2004

Seeding Rate: 550,000 live seeds / acre.

Previous Crop: 2001 = fallow, 2002 & 2003 = barley.

Notes: The 2002 trial sustained severe heat and moisture stress. The 2003 trial sustained late season heat and moisture stress. The 2004 trial sustained hard frosts on May 13 (18° F), May 14 (16° F) and on June 18 (25° F).

2004 Lentil Seeding Rate Trial – Continuously Cropped - No-till Hettinger

Seeding Rate		Days to Bloom	Plant Height	1000 Seed wt.	Test Weight	---- Seed Yield ----		
# / ft ²	lbs/a		inches	grams	lbs/bu	2003	2004	Avg.
- Pounds per Acre -								
12	66	72	11	49.0	59.4	1307	2233	1770
10	55	72	11	47.0	59.4	1232	2080	1656
8	44	72	11	48.5	59.2	999	1960	1480
6	33	72	11	50.0	59.4	1018	1747	1382
4	22	72	11	52.0	58.8	719	1591	1155
Trial Mean		72	11	49.3	59.2	1055	1922	--
C.V. %		0	8.7	4.7	1.8	8.2	6.2	--
LSD .05		NS	NS	NS	NS	134	184	--
LSD .01		NS	NS	NS	NS	188	258	--

Planting Date: April 8, 2004

Harvest Date: August 10, 2004

Variety = CDC Richlea

Previous Crop: barley

Notes: The 2003 trial sustained late season heat and moisture stress. The 2004 trial sustained hard frosts on May 13 (18° F), May 14 (16° F) and on June 18 (25° F).