

2003 Lentil Variety Trial - Continuously Cropped No-till Hettinger

Variety	Days To First Flower	Duration of Bloom	Days to Mature	Harvest Height	1000 Kernel wt.	Test Weight	Yield			Avg. Yield	
	days	days	days	inches	grams	lbs/bu	2000	2002	2003	2 yr	3 yr
							----- lbs/ac -----				
Chilean											
CDC Richlea	61	21	90	15	44.3	60.3	680	360	952	656	664
Laird	62	21	90	15	45.0	58.1	140	53	719	386	304
Merrit	57	26	87	14	57.3	58.5		258	1279	768	
Pennell	62	22	90	13	60.8	57.4		347	905	626	
CDC Sovereign	62	23	94	18	55.4	59.2		307	803	555	
Red Chief	57	26	90	12	50.3	--			177		
Persian											
CDC Milestone	58	24	86	13	32.6	61.8	740	293	1148	720	727
Crimson	61	22	88	11	34.1	61.7	800	231	775	503	602
Red Robin	58	22	86	12	27.2	55.4			1195		
Pardina	58	22	87	11	34.8	62.9			859		
Trial Mean	60	23	89	13	44.2	59.5	524	296	881	--	--
C.V. %	1.0	5.8	1.9	7.2	5.1	8.9	29.2	33.1	14.4	--	--
LSD .05	1	2	2	1	3.3	NS	225	146	184	--	--
LSD .01	1	3	3	2	4.4	NS	307	199	248	--	--

Planting Date: April 21, 2003
 Harvest Date: August 14, 2003
 Seeding Rate: 550,000 live seed/acre.
 Previous Crop: 1999 = Field pea, 2001 = Fallow, 2002 = Barley.
 Notes: The 2002 trial sustained severe heat and moisture stress.
 NS = no statistical difference between varieties.

2003 Lentil Seeding Rate Trial - No-till**Hettinger**

Seeding Rate		Days to Bloom	Duration of Bloom	Days to Mature	Plant Height	1000 Seed Weight	Test Weight	Yield
# / sq ft	lbs/ac	days	days	days	inches	grams	lbs/bu	lbs/A c
12	66	61	22	91	14	45.0	60.6	1307
10	55	61	22	91	14	44.0	60.3	1232
8	44	61	22	91	15	45.2	60.3	999
6	33	61	22	91	14	45.5	60.4	1018
4	22	61	22	91	12	46.8	60.4	719
Trial Mean		61	22	91	14	45.3	60.3	1055
C.V. %		0	0	0	8.3	3.5	0.6	8.2
LSD 5%		NS	NS	NS	NS	NS	NS	134
		NS	NS	NS	NS	NS	NS	188

Planting date: April 21, 2003

Harvest date: August 14, 2003

Variety = CDC Richlea

Previous crop: Barley

NS = no statistical difference between seeding rates.