

Minot Clearfield Lentil Variety Trial

Trial information

Design: RCB with four replicates

Planting Date: May 7

Harvest Date: August 30

Planting Rate: 600K PLS/acre

Fertility: Granular inoculant placed with seed

Previos Crop: Fallow

Weed Control: 2.7 5pt/acre Prowl + 22 oz/acre Roundup WeatherMax PRE on May 8 , 8 oz/acre

Volunteer on June 23, 2 pt/acre Gramoxone NTEON pre-harvest on August 25

Variety	Market Class	Seed Coat Color	Days to Flower	Canopy Height	Plant Height Index	Disease Ratings		1000 Seed Weight	Seeds/ Pound	Test Weight	Seed Yield			3 Yr Ave
						Necrosis ¹	SB ²				2008	2009	2011	
			DAP ³	cm		%	%	g		bu/A			lb/A	
CDC IMPACT-CL	Small	Red	54.5	26.5	0.74	18.0	86.3	28.6	15903	59.6	1328	2369	1000	1566
CDC IMPALA-CL	Extra Small	Red	58.8	28.3	0.66	11.5	57.5	23.1	19724	61.5	1382	2519	1125	1675
CDC IMPERIAL-CL	Extra Small	Red	54.8	27.3	0.65	33.3	82.5	21.1	21589	59.0	1145	2343	1047	1512
CDC IMPRESS-CL	Medium	Green	57.0	26.4	0.63	34.5	7.5	37.6	12098	56.5	1474	2646	964	1695
CDC IMPROVE-CL	Large	Green	57.0	29.8	0.67	70.8	3.8	48.6	9351	55.1	1391	2454	875	1573
CDC MAXIM-CL	Small	Red	56.3	31.0	0.84	6.5	100.0	30.6	14902	60.5	1870	2828	1358	2019
GRAND MEAN			56.4	28.2	0.69	29.1	56.3	31.6	15595	58.7	1446	2504	1061	
CV			2.1	9.4	12.9	14.9	11.8	6.1	7.6	1.2	24.7	10.1	15.7	
LSD (0.05)			1.8	4.0	0.14	14.7	46.5	2.9	1787	1.0	589	357	251	

¹ Necrosis=Botrytis+Sclerotinia+Anthracnose

² SB=Stemphylium Blight

³ Days after Planting

Disease ratings courtesy of Michael Wunsch, CREC