

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				2011	2009	2008	
			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	1000	2369	1328	1566
CDC IMPALA-CL	Extra Small	Red	58.8	28.3	0.66	11.5	57.5	23.1	19724	61.5	1125	2519	1382	1675
CDC IMPERIAL-CL	Extra Small	Red	54.8	27.3	0.65	33.3	82.5	21.1	21589	59.0	1047	2343	1145	1512
CDC IMPRESS-CL	Medium	Green	57.0	26.4	0.63	34.5	7.5	37.6	12098	56.5	964	2646	1474	1695
CDC IMPROVE-CL	Large	Green	57.0	29.8	0.67	70.8	3.8	48.6	9351	55.1	875	2454	1391	1573
CDC MAXIM-CL	Small	Red	56.3	31.0	0.84	6.5	100.0	30.6	14902	60.5	1358	2828	1870	2019
GRAND MEAN			56.4	28.2	0.69	29.1	56.3	31.6	15595	58.7	1061	2504	1446	
CV			2.1	9.4	12.9	14.9	11.8	6.1	7.6	1.2	15.7	10.1	24.7	
LSD (0.05)			1.8	4.0	0.14	14.7	46.5	2.9	1787	1.0	251	357	589	

¹ Necrosis=Botrytis+Sclerotinia+Anthracnose

² SB=Stemphylium Blight

³ Days after Planting