

2018 Lentil Variety Yield Trial at Minot

North Central Research Extension Center

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Variety	Days to Flower	Days to Maturity	Vine Length	Pods/ Peduncle	Pod Height	Canopy Height	Pod Height at Maturity	Lodging	1000 Seed Weight	Seeds/ Pound	Test Weight	Seed Yield	
	DAP ¹	DAP ¹	cm	#	cm	cm	cm	(0-9) ²	g	#	lb/bu	lb/A	bu/A
Large Green													
Riveland	44	82	43	2	21	25	10	5	67	6796	56.7	1170	19.5
CDC Greenstar	52	80	44	2	22	29	11	5	67	6782	57.9	910	15.2
Pennell	47	82	43	2	21	27	8	4	54	8415	55.1	891	14.8
CDC Greenland	50	82	48	2	21	25	9	5	55	8267	57.0	834	13.9
Medium Green													
CDC Impress-CL	52	82	45	2	25	26	12	5	46	9930	57.8	1228	20.5
Avondale	46	81	43	2	18	36	15	4	45	10206	57.0	1186	19.8
CDC Richlea	50	81	45	2	23	30	10	4	41	10986	57.3	1137	19.0
CDC Meteor	48	82	44	2	18	28	11	4	49	9226	58.1	1067	17.8
Small Green													
ND Eagle	45	81	41	2	17	32	12	2	35	13010	59.5	1341	22.3
CDC Invincible-CL	50	81	39	2	18	28	10	3	28	16619	59.5	1242	20.7
CDC Kermit	47	81	39	2	19	35	15	2	30	15219	60.3	1105	18.4
CDC Viceroy	47	80	41	2	19	26	10	4	29	15791	57.1	1056	17.6
Small Brown													
Pardina	43	80	40	1	16	29	11	5	38	12185	58.3	1386	23.1
Small Red													
CDC Redmoon	49	82	42	2	21	33	15	3	40	11509	61.2	1397	23.3
CDC Rouleau	51	82	42	2	23	32	10	3	34	13361	59.8	1297	21.6
CDC Maxim-CL	48	81	39	2	17	37	14	2	37	12305	59.8	1274	21.2
CDC Redberry	49	82	44	2	21	35	17	2	38	12081	59.5	1192	19.9
CDC Red Rider	52	82	51	3	26	27	9	4	40	11309	58.6	1137	19.0
Extra Small Red													
CDC Rosetown	51	81	42	2	23	29	12	5	26	17863	59.9	1053	17.5
CDC Impala-CL	51	81	42	2	18	30	13	3	25	18521	58.2	739	12.3
French Green													
CDC Lemay	51	80	43	2	20	24	10	4	29	15521	60.9	1262	21.0
Trial Mean	48	81	42	2	20	30	12	4	40	12123	58.7	1137	11.4
CV	2.6	1.8	10.4	15.5	17.3	13.1	23.0	36.8	6.3	7.2	2.7	19.6	19.6
LSD 5%	1	2	5	0	4	5	3	2	3	1029	1.8	263	2.6
LSD 10%	1	2	4	0	3	4	2	1	2	799	1.4	204	3.0

¹ Days after planting

² Lodging: 0 = none, 9 = lying flat on the ground.

Planting date: 5/4/2018

Harvest Date: 7/31/2018

Previous Crop: Hard Red Spring Wheat

Seed Sources	Legume Logic	Meridian Seeds	
	NDSU	Pulse USA	USDA-ARS

*Note: non-coded entries are part of the lentil core grown out every year

Yield rankings (High to Low)			
2	CDC Redmoon	15	CDC Richlea
3	Pardina	16	CDC Red Rider
4	ND Eagle	17	CDC Kermit
5	CDC Rouleau	18	CDC Meteor
6	CDC Maxim-CL	19	CDC Viceroy
7	CDC Lemay	20	CDC Rosetown
10	CDC Invincible-CL	22	CDC Greenstar
11	CDC Impress-CL	23	Pennell
12	CDC Redberry	24	CDC Greenland
13	Avondale	25	CDC Impala-CL
14	Riveland		