

2020 Public Lentil Variety Trial at Minot

Variety	Market Class	Days to Flower	Days to Maturity	Vine Length	Pod Height	Seed Protein	1000 Seed Weight	Seeds/Pound	Test Weight	Seed Yield	Significant Difference ⁴
		DAP ¹	DAP ¹	cm	cm	% ²	g	#	lb/bu	bu/A ³	
CDC Richlea	MG	45	73	32	19	23.9	47	10199	62.4	18.4	A
CDC Greenland	LG	45	76	39	23	24.5	51	9494	60.1	18.2	A
CDC Invincible-C	SG	46	73	34	19	27.2	39	11830	63.9	18.1	A
CDC Kermit	SG	46	73	35	21	25.1	37	12619	64.7	18.1	A
CDD Impala-CL	ESR	46	74	31	16	25.4	45	11459	65.0	18.1	A
CDC Greenstar	LG	45	73	36	25	23.3	61	7908	60.3	17.9	A
CDC Maxim-CL	SR	45	73	36	21	23.7	44	10482	64.5	17.9	A
ND Eagle	SG	46	74	26	13	25.6	45	10432	64.1	17.9	A
Avondale	MG	44	71	36	19	23.7	49	9547	62.3	17.8	A
Trial Mean		45	73	34	19	24.7	47	10441	63.0	18.0	
C.V. %		1.3	1.7	11.3	17.8	5.07	15.2	13.5	2.94	0.99	
LSD 5%		1.2	0.8	2.6	2.6	0.45	16.8	3504.6	0.60	NS	

¹ Days after planting

² Protein adjusted to 0% moisture

³ Yield adjusted to 13.5% moisture

⁴ Seed yields within a market class with different letters are significantly ($p < 0.05$) different

Planting date: 5/11/2020

Harvest date: 8/17/2020

Previous Crop: Flax

Tillage: Minimal Tillage

Note: No significant differences were observed for lodging. All plots maintained upright habit throughout the season.

2020 Public Chickpea Variety Trial at Minot

Variety	Days to Flower	Days to Maturity	Vine Length	1000 Seed Weight	Seeds/Pound	Test Weight	Seed Yield	Significant Difference ³
	DAP ¹	DAP ¹	cm	g	#	lb/bu	bu/A ²	
CDC Frontier	44	99	45	334	1306	63.3	26.9	A
ND Crown	44	98	44	374	1148	62.7	23.7	A
CDC Palmer	44	94	44	395	1222	62.6	21.3	A
CDC Leader	44	99	43	364	1270	61.8	15.9	B
CDC Orion	42	105	43	342	1311	60.6	9.1	C*
Sawyer	43	104	43	432	1078	60.8	8.6	C*
Royal	46	101	44	478	956	61.2	8.1	C*
Sierra	43	103	43	422	1119	61.3	6.9	C*
Trial Mean	44	101	44	393	1176	61.8	15.0	
C.V. %	2.8	3.5	1.5	12.5	10.6	1.59	53.18	
LSD 5%	2.2	3.2	6.8	60.3	178.7	1.53	7.84	

*Yields were severely impacted by *Ascochyta Blight*

¹ Days after planting

² Yield adjusted to 13.5% moisture

³ Seed yields within a market class with different letters are significantly ($p < 0.05$) different

Planting date: 5/11/2020

Harvest date: 9/4/2020

Previous Crop: Flax

Tillage: Minimal Tillage

Note: No significant differences were observed for lodging or seed size. All varieties met the RMA requirement for large kabuli types that at least 51% stayed above a 22/64" round hole screen.