

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC Lima CL[®] Large Green Lentil



Progress Through Research
Le progrès grâce à la recherche

Description:

CDC Lima CL[®] is an Imidazolinone tolerant large green lentil variety with higher yield and seed thickness compared to CDC Improve and CDC Impower

Strengths:

- Imidazolinone tolerance
- Seed thickness greater than that of CDC Improve and CDC Impower
- High yield compared to CDC Improve and CDC Impower
- Improved lodging resistance over CDC Improve and CDC Impower



CL (Clearfield) is a Trademark of BASF Inc

Neutral Traits:

- Similar agronomic and maturity characteristics compared to CDC Improve and CDC Impower
- Similar disease resistance as CDC Improve and CDC Impower

Weaknesses

- Slightly shorter than CDC Improve and CDC Impower; more similar to CDC Maxim

Breeder:



UNIVERSITY OF SASKATCHEWAN

Crop Development Centre

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pulse
Growers

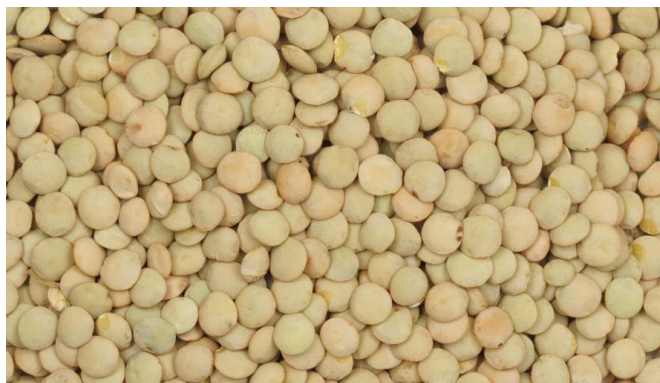


Funded by:

Table 1: Agronomic performance data for small green lentil varieties from Co-op and Regional trials 2015-2017

Market class	Variety	Yield kg/ha	% of CDC Maxim	% of CDC Impower	Days to Flower	Days to Maturity	Lodging (1-5)	Plant Height (cm)	Seed Weight (g/1000)
SG	CDC Maxim CL [®]	2261	100	145	55	96	1.6	36	34
LG	CDC Impower	1556	69	100	57	97	3.0	39	34
LG	CDC Lima CL [®] (IBC-937)	1827	81	117	55	97	2.2	35	38
Site years of data		29	29	29	8	10	10	10	11

Market Class: SR = small red, LG = large green



For more information, call 1-800-665-7333 or visit www.secan.com

2025 SaskSeed Guide

Variety	Class	Herbicide Tolerance ¹	Years Tested ²	Yield %	Yield %	Height (cm)	Days to Flower	Maturity Rating ³	Resistance to:		Seed Coat colour	Cotyledon colour	Seed Weight (g/1000)
				Area 1 & 2	Area 3 & 4				Ascochyta Blight	Anthracnose Race 1			
CDC Nimble	Small Red	CL	15	100	100	35	52	E/M	MR	MR	Gray	Red	38
CDC Impulse	Small Red	CL	15	100	95	37	52	E/M	MR	MR	Gray	Red	44
CDC Jimini	Small Green	CL	9	99	94	36	50	E/M	---	---	Green	Yellow	38
CDC Maxim	Small Red	CL	19	92	90	34	51	E/M	MR	MR	Gray	Red	40
CDC Lima	Large Green	CL	12	87	84	35	51	M/L	MR	S	Green	Yellow	74

1. CL indicates Clearfield tolerant variety
2. Co-op and Regional Trials in SK since 2006. Comparisons to the check variety, small red lentil CDC Maxim.
3. Maturity ratings: normal maturity range in days based on May 1 seeding E=100, VL=110 but maturity can be much earlier in dry years, much later in cool wet years.

2025 Alberta Seed Guide

Market Class	Variety	Most Recent Year of RVT Testing	Overall Yield	Overall Station Years of Testing	Brown Soil Zone		Black Soil Zone		Agronomic Characteristics					Disease Tolerance	
					Yield (%)	Site Years	Yield (%)	Site Years	TSW ² (g)	Plant Height	Maturity Rating ³	Cotyledon Colour ⁴	Seed Coat Colour ⁵	Ascochyta	Anthracnose Race 1
	CDC Maxim CL ^{®1} (bu/ac)		36		34		43								
Small Red	CDC Maxim CL [®]	2024	100	55	100	10	100	8	40	34	E/M	R	GR	MR	MR
Small Red	CDC Impulse CL [®]	2022	113	16	118	8	108	8	44	37	M/L	R	GR	MR	MR
Small Green	CDC Jimini CL [®]	2022	106	17	107	15	XX	2	38	36	E/M	Y	G	NA	NA
Large Green	CDC Lima CL[®]	2022	94	34	98	26	82	8	74	35	M/L	Y	G	MR	S

1. CL[®] = Clearfield[®] variety
2. TKW = Thousand Seed Weight
3. Maturity: E = Early, M = Medium, L = Late.
4. Cotyledon Color: R = Red, Y = Yellow;
5. Seed Coat Color/Patterns: G=Green, GR=Grey
6. Disease tolerance to Ascochyta and Anthracnose - Race 1 (note: there is no genetic resistance to Race 0): S = Susceptible, MR = Moderately Resistant

Stewardship Guidelines for Clearfield Lentils. BASF is committed to the long-term sustainability of the Clearfield[®] Production System for lentils. The stewardship initiatives co-developed by BASF and university researchers are designed as guidelines for Clearfield lentil producers in an effort to maximize the value realized by producers as well as preserve this herbicide-tolerance technology for years to come. These management practices were designed to prevent and/or delay herbicide resistance development in weed populations in Canada.

Full details of the guidelines can be found at: https://agriculture.basf.ca/content/dam/cxm/agriculture/canada/english/agriculture/west/seeds-and-systems/documents/Clearfield_Lentil_Stewardship_Guidelines.pdf

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