

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## CDC Lima CL<sup>®</sup> Large Green Lentil



Progress Through Research  
Le progrès grâce à la recherche

### Description:

CDC Lima CL<sup>®</sup> 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



**Clearfield**  
Production System for Lentils

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

COLLEGE OF AGRICULTURE AND BIORESOURCES  
AGBIO.USASK.CA

### Funded by:

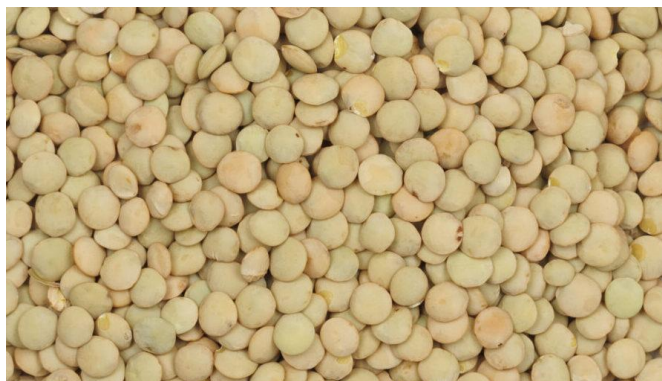
SASKATCHEWAN  
pulse  
Growers



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 <sup>®</sup>	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 <sup>®</sup> (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](http://www.secan.com)

## 2026 SaskSeed Guide

Variety	Class	Herbicide Tolerance <sup>1</sup>	Years Tested <sup>2</sup>	Yield % Area 1 & 2	Yield % Area 3 & 4	Height (cm)	Days to Flower	Maturity Rating <sup>3</sup>	Resistance to:		Seed Coat colour	Cotyledon colour	Seed Weight (g/1000)
				Relative to CDC Nimble CL®					Ascochyta Blight	Anthracnose Race 1			
CDC Nimble	Small Red	CL	12	100	100	36	52	E/M	MR	MR	Gray	Red	38
CDC Impulse	Small Red	CL	16	101	94	37	52	E/M	MR	MR	Gray	Red	44
CDC Jimini	Small Green	CL	10	99	93	36	50	E/M	MR	MR	Green	Yellow	38
CDC Maxim	Small Red	CL	20	92	89	34	51	E/M	MR	MR	Gray	Red	40
CDC Lima	Large Green	CL	13	87	82	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.

## 2026 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 <sup>6</sup>	
					Yield (%)	Site Years	Yield (%)	Site Years	TSW <sup>2</sup> (g)	Plant Height	Maturity Rating <sup>3</sup>	Cotyledon Colour <sup>4</sup>	Seed Coat Colour <sup>5</sup>	Ascochyta	Anthracnose Race 1
	CDC Maxim CL <sup>®</sup> (bu/ac)		37		34		44								
Small Red	CDC Maxim CL <sup>®1</sup>	2025	100	49	100	38	100	11	40	34	E/M	R	GR	MR	MR
Small Red	CDC Impulse CL <sup>®</sup>	2022	113	16	118	8	108	8	44	37	M/L	R	GR	MR	MR
Small Green	CDC Jimini CL <sup>®</sup>	2022	106	17	107	15	XX	2	38	36	E/M	Y	G	MR	MR
<b>Large Green</b>	<b>CDC Lima CL<sup>®</sup></b>	<b>2022</b>	<b>94</b>	<b>34</b>	<b>98</b>	<b>26</b>	<b>82</b>	<b>8</b>	<b>74</b>	<b>35</b>	<b>M/L</b>	<b>Y</b>	<b>G</b>	<b>MR</b>	<b>S</b>

1. CL<sup>®</sup> = Clearfield<sup>®</sup> 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<sup>®</sup> 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](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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