



## CDC Simmie (CL<sup>®</sup>) Variety Description

May, 2023

### Market Class: Small Red Lentil

**Year Released to Select Seed Growers:** 2019

**Sub-licensed Outside of SK:** SeedNet

**International Distribution Rights:** Not assigned

**Breeder:** Dr. Albert Vandenberg, Crop Development Centre, University of Saskatchewan, Saskatoon, SK

**Plant Breeders Rights:** Applied

CL (Clearfield®) is a Trademark of BASF Inc.

### Description

CDC Simmie (IBC-1235) is a high-yielding small red Clearfield® lentil variety. In 4 years of head-to-head testing in the Lentil Regional Variety Trials, CDC Simmie yielded 108% of CDC Maxim in the brown and dark brown soil zones and 97% in the black and dark grey soil zones (Table 1). In 6 years of testing in the Co-op and Regional Trials in Saskatchewan, CDC Simmie yielded 109% of CDC Maxim in the brown and dark brown soil zones and 103% in the black and dark grey soil zones. Seed coat colour, cotyledon colour, flowering time, maturity, plant height and disease resistance characteristics are similar to CDC Maxim. Seed size and thickness is slightly less than CDC Maxim. Application for PBR'91 protection for CDC Simmie has been submitted.

### Strengths

- High yield compared to CDC Maxim
- Imidazolinone tolerance

### Neutral

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

### Weaknesses

- Seed thickness less than CDC Maxim

**Table 1: Yield Data from 2017 – 2020 Regional Variety Trial (head-to-head), Small Red Lentil**

VARIETY	YEAR OF RELEASE	HT*	PBR STATUS	YIELD % OF CDC MAXIM		DISEASE RESISTANCE***		DAYS TO FLOWER	HEIGHT (CM)	MATURITY RATING	SEED WEIGHT (G/1000)	COMMENTS
				AREA1-2**	AREA3-4**	ASCOCHYTA BLIGHT	ANTHRACNOSE RACE 1					
CDC MAXIM (3114)	2007	CL	-	100	100	MR	MR	51	34	EARLY-MID	40	Most widely grown red lentil; check variety.
CDC IMPULSE (IBC 479)	2014	CL	PBR '91	112	102	MR	MR	52	37	EARLY-MID	44	Acceptable seed characteristics, 10% larger than Maxim.
CDC PROCLAIM (IBC 550)	2014	CL	PBR '91	105	99	MR	MR	51	34	EARLY-MID	40	Similar to CDC Maxim.
CDC RED-MOON (3646-4)	2015	-	PBR '91	114	101	MR	MR	52	33	EARLY-MID	41	Similar to CDC Maxim.
CDC CARMINE	2016	-	PBR '91	113	94	MR	MR	54	34	EARLY-MID	40	Acceptable seed characteristics

(3674-15)												compared to Maxim.
CDC CORAL (4371-4)	2016	-	PBR '91	110	97	MR	MR	55	33	EARLY-MID	37	Acceptable seed characteristics compared to Maxim.
CDC NIMBLE (IBC-975)	2019	CL	PBR '91 APPLIED	110	103	MR	MR	52	35	EARLY-MID	38	Improved yield vs. previous CL small red lentil varieties.
CDC SIMMIE (IBC-1235)	2019	CL	PBR '91 APPLIED	108	97	MR	MR	53	34	EARLY-MID	39	Improved yield vs. previous CL small red lentil varieties.

Source of Yield Data: Lentil Regional Variety Trial data (2019 – 2020);

Source of Agronomic & Disease Ratings: Varieties of Grain Crops ([SaskSeed Guide](#))

\*HT = Herbicide Tolerance. CL indicates Clearfield® variety.

\*\*Area 1: Brown soil zone; Area 2: Dark brown; Area 3: Black; Area 4: Dark grey

\*\*\*Resistance Ratings: R = Resistant; MR = Moderately resistant; I = Intermediate; S = Susceptible



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