



## CDC Grimm (CL®) Variety Description

May, 2023

### Market Class: Large Green Lentil

Year Released to Select Seed Growers: 2021

Sub-licensed Outside of SK: Not Assigned (TBD)

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 Grimm (IBC-1199) is a large green Clearfield® lentil variety. Disease resistance characteristics for CDC Grimm indicate improved resistance to anthracnose and is rated as MR which represents the best anthracnose resistance in this market class (both rating & field observation). In 4 years of head-to-head testing in the Lentil Regional Variety Trials, CDC Grimm yielded 2% lower than CDC Lima in the brown and dark brown soil zones and 8% lower in the black and dark grey soil zones (Table 1). In other characteristics, compared to CDC Lima, CDC Grimm has a smaller seed size, similar maturity and is 5 cm taller. Application for PBR'91 protection for CDC Grimm has been submitted.

### Strengths

- Improved resistance to anthracnose
- Imidazolinone tolerance
- Higher yield & larger seed compared to CDC Impower

### Neutral

- Similar agronomic and maturity characteristics compared to CDC Lima

### Weaknesses

- Lower yielding than CDC Lima
- Smaller seed than CDC Lima

**Table 1: Agronomic Performance for Large Green Lentil CDC Grimm vs. Other Large Green Lentil Varieties (yield data represents 4 years of head-to-head comparative performance)**

VARIETY	TYPE	YEAR OF RELEASE	HT*	PBR STATUS	YEARS OF RVT DATA	SEED COAT COLOUR	YIELD % OF CDC MAXIM		DISEASE RESISTANCE***		DAYS TO FLOWER	HEIGHT (CM)	MATURITY RATING	SEED WEIGHT (G/1000)	COMMENTS
							AREA 1-2**	AREA 3-4**	ASCOCHYTA BLIGHT	ANTHRACNOSE RACE 1					
CDC GREENSTAR (3339-3)	LARGE GREEN	2013	-	-	4	GREEN	99	81	MR	I	52	40	MID-LATE	73	
CDC IMPOWER (IBC-194)	LARGE GREEN	2009	CL	-	4	GREEN	79	75	MR	S	52	41	MID-LATE	64	
CDC LIMA (IBC-937)	LARGE GREEN	2018	CL	PBR '91	4	GREEN	95	87	MR	S	51	35	MID-LATE	74	Highest yielding CL large green lentil.
CDC GRIMM (IBC-1199) NEW	LARGE GREEN	2021	CL	PBR '91 APPLIED	4	GREEN	93	79	MR	MR	55	40	MID-LATE	75	Best anthracnose resistance in

																					market class (both rating & field observation).
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Source of Yield Data: Lentil Regional Variety Trial data (2017 – 2020);

Source of Agronomic & Disease Ratings: [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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