

CDC GRIMM (CL®)

Large Green Lentil



**YEAR RELEASE TO
SELECT SEED GROWERS**
2021

SUB-LICENSED OUTSIDE OF SK
Not assigned (TBD)

**INTERNATIONAL DISTRIBUTION
RIGHTS**
Not assigned

BREEDER
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PLANT BREEDERS RIGHTS
Applied

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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).

Source of Yield Data: Lentil Regional Variety Trial data (2017 - 2020);

Source of Agronomic & Disease Ratings: Varieties of Grain Crops 2021 (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