

CDC GREENSTAR

Large Green Lentil



**YEAR RELEASE TO
SEED GROWERS**
2013

SEED SIZE
73 g/1,000 seeds

MATURITY
Early/Medium

BREEDER
Dr. Bert Vandenberg
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University of Saskatchewan
Saskatoon, SK

PLANT BREEDERS RIGHTS
None

Description

CDC Greenstar is a high yielding large green lentil without imidazolinone tolerance. It has the largest seed in the large green market class and colour between CDC Greenland and CDC Plato. CDC Greenstar is well suited to the Dark Brown and Brown soil zone regions that produce green lentils.

Strengths

- Improved yield - 12% higher yielding than CDC Greenland in South, 8% higher yielding in the North over seven years in Saskatchewan
- Moderate resistance to Ascochyta
- Improved resistance to anthracnose (race 1) compared to other large green lentil varieties
- Increased competitiveness

Weaknesses

- Intermediate resistance to anthracnose

Other Traits

- Not imidazolinone resistant
- Largest seed in the large green market class

Characteristics of Varieties

Adapted from Saskatchewan Seed Guide (2016)

VARIETY	PERFORMANCE				RESISTANCE		SEED WEIGHT (G/1000)
	HERBICIDE TOLERANCE	DAYS TO FLOWER	MATURITY RATING	HEIGHT (CM)	ASCOCHYTA BLIGHT	ANTHRACNOSE (RACE1)	
CDC MAXIM	CL	51	E/M	34	MR	MR	40
CDC GREENLAND		52	M/L	38	MR	S	64
CDC IMPOWER	CL	52	M/L	41	MR	S	64
CDC IMPROVE	CL	51	M	39	I	S	67
CDC PLATO		52	M/L	38	MR	MS	62
CDC GREENSTAR		52	M/L	40	MR	I	73

Herbicide Tolerance: CL = Clearfield®

Maturity: E = Early, M = Medium, L = Late

Resistance Ratings: R = Resistant, MR = Moderately Resistant, I = Intermediate Resistance, MS = Moderately Susceptible, S = Susceptible

Average Yields by Province and Area

As per cent of CDC Maxim

VARIETY	MANITOBA		SASKATCHEWAN			ALBERTA	
	SITE YEARS TESTED*	MANITOBA	YEARS TESTED**	1, 2 & SOUTH	NORTH 3 & 4	SITE YEARS TESTED*	ALBERTA
CDC MAXIM	16	100	9	100	100	NA	100
CDC GREENLAND	10	63	7	89	70	15	88
CDC IMPOWER	8	67	8	85	68	15	88
CDC IMPROVE	11	70	6	87	76	15	89
CDC PLATO	11	61	6	87	77	NA	NA
CDC GREENSTAR	3	98	7	101	78	NA	NA

*Number of sites and years tested for each variety. **Number of years tested.

NA = Not available

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