

FRENCH GREEN LENTIL: CDC MARBLE

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

Year released to Select Seed Growers: 2013
Sub-licensed outside of SK: no
International Distribution Rights: FP Genetics

Plant Breeders Rights: no

CDC Marble is a small-seeded French green lentil variety. In 10 years of testing in the in the co-op and regional trials in Saskatchewan, CDC Marble yielded 102% of the small red lentil check variety CDC Maxim in the Brown and Dark Brown soil zones, and 98% in the Black and Dark Grey soil zones (Table 1). Although CDC Marble does not have Imidazolinone tolerance, it is significantly higher yielding than the CL French green lentil variety CDC Peridot. CDC Marble does not have PBR protection.

Strengths:

- Early maturity
- High yield
- Good resistance to Ascochyta blight
- Tall – improved harvestability
- Good lodging tolerance
- Plump seed relative to CDC LeMay

Neutral:

- Fair resistance to Anthracnose

Weaknesses:

- Not tolerant to imidazolinone herbicides



Table 1: Agronomic Performance in the Co-op and Regional Trials in Saskatchewan for French Green Lentil Varieties vs. Small Red Check
Variety CDC Maxim – Adapted from Varieties of Grain Crops 2019

Variety	Market Class	Herbicide Tolerance	Year of Release	Years Tested*	Yield % of CDC Maxim		Disease Resistance		Days to Flower	Height (cm)	Maturity Rating	Seed Weight (g/1000)
					Area 1-2*	Area 3-4*	Ascochyta	Anthracnose (race 1)				
CDC Maxim	Small red	CL	2007	12	100	100	Good	Good	51	34	Early-mid	40
CDC Marble	French green	No	2013	10	102	98	Good	Fair	49	36	Early	34
CDC Peridot	French green	CL	2008	8	84	94	Good	Poor	48	37	Early	38

Source: Varieties of Grain Crops 2019 (2019 SaskSeed Guide)

*Area 1: Brown soil zone; Area 2: Dark Brown; Area 3: Black; Area 4: Dark Gray