

SMALL GREEN LENTIL: CDC KERMIT

Breeder: Dr. Albert Vandenberg
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Year released to Select Seed Growers: 2014
Sub-licensed outside of SK: SeCan
International Distribution Rights: FP Genetics

Plant Breeders Rights: UPOV'91

CDC Kermit is a high-yielding, small green lentil with improved lodging tolerance. It has similar plant characteristics and seed to CDC Viceroy but is higher yielding. CDC Kermit is not imidazolinone tolerant. It is well-suited to the Dark Brown and Brown soil zone regions that produce green lentils. In nine years of testing in the co-op and regional trials in Saskatchewan, it yielded 104% of CDC Maxim in the Brown and Dark Brown soil zones, and 99% in the Black and Dark Grey zones, making it the highest yielding small green lentil (Table 1). CDC Kermit has PBR'91 protection.

Strengths:

- Improved yield vs. CDC Maxim
- Highest yielding small green lentil
- Good lodging tolerance
- Good resistance to Ascochyta blight and Anthracnose

Neutral:

- Early-mid maturity
- Seed characteristics similar to CDC Viceroy and CDC Invincible

Weaknesses:

- Not tolerant to imidazolinone herbicides



Table 1: Agronomic Performance for CDC Kermit from Co-op and Regional Trials in Saskatchewan – Adapted from Varieties of Grain Crops 2019

Variety	Market Class	Herbicide Tolerance	Year of Release	Years Tested	Yield % of CDC Maxim		Disease Resistance		Maturity	Days to Flower	Height (cm)	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	Early-mid	51	34	40
CDC Viceroy	Small green		2004	6	97	98	Good	Good	Early	49	34	33
CDC Invincible	Small green	CL	2009	12	92	80	Good	Good	Early	49	33	34
CDC Kermit	Small green		2014	9	104	99	Good	Good	Early-mid	49	36	34
CDC Asterix	Extra-small green		2012	10	96	93	Good	Fair	Early	48	30	26

Source: Varieties of Grain Crops 2019 (SaskSeed Guide) *Area 1&2: Brown & Dark Brown soil zones; Area 3&4: Black and Dark Gray soil zones

Figure 1: Direct comparison of CDC Kermit (exp. name 3592-13) vs. CDC Viceroy

