

# Technical Bulletin

Genes that fit *your* farm.



## CDC Kermit Small Green Lentil



### Description:

CDC Kermit is a small green lentil with higher grain yield and improved lodging tolerance compared to the check CDC Viceroy. CDC Kermit is well suited to the Dark Brown and Brown soil zones.

**Parentage:** 1471T-A-10 x Viceroy/LC00600812P

### Strengths:

- 14% higher yield than the check CDC Viceroy
- Improved lodging tolerance compared to CDC Viceroy

### Neutral Traits:

- Similar agronomic and seed characteristics to CDC Viceroy
- Disease ratings similar to CDC Viceroy

### Weaknesses

- Not tolerant to imidazolinone herbicides

### Breeder:

### Funded by:



UNIVERSITY OF SASKATCHEWAN  
Crop Development Centre  
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**Table 1: Agronomic performance for CDC Kermit from Coop and Regional trials in Saskatchewan – adapted from Varieties of Grain Crops 2017**

Variety	Market class	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	2007	10	100	100	Good	Good	Early-mid	51	34	40
CDC Invincible	Small green	2009	10	96	83	Good	Good	Early	49	33	34
CDC Kermit	Small green	2014	7	106	102	Good	Good	Early-mid	49	36	34
CDC Asterix	Extra small green	2012	9	99	101	Good	Fair	Early	48	30	26
CDC Viceroy	Small green	2004	6	97	98	Good	Good	Early	49	34	33

\*Area 1: Brown soil zone; Area 2: Dark brown; Area 3: Black; Area 4: Dark gray

**Table 2: Two year summary of agronomic performance for CDC Kermit (3591-13) in the 2010-2011 Lentil RRT "B" in Western Canada**

Market class	Line	[7] Yield		[3]	[6]	[6]	[3]	[6]	[6]
		kg/ha	% of Viceroy	Days to flower	Days to mature	Lodging (1-5)	Plant height (cm)	Seed weight g/1000	Seed C. colour S. (1-5)
SG	CDC Viceroy	1814	100	58	100	2.3	44	32	3.0
<b>SG</b>	<b>CDC Kermit</b>	<b>2070</b>	<b>114</b>	<b>58</b>	<b>102</b>	<b>1.5</b>	<b>46</b>	<b>33</b>	<b>3.2</b>

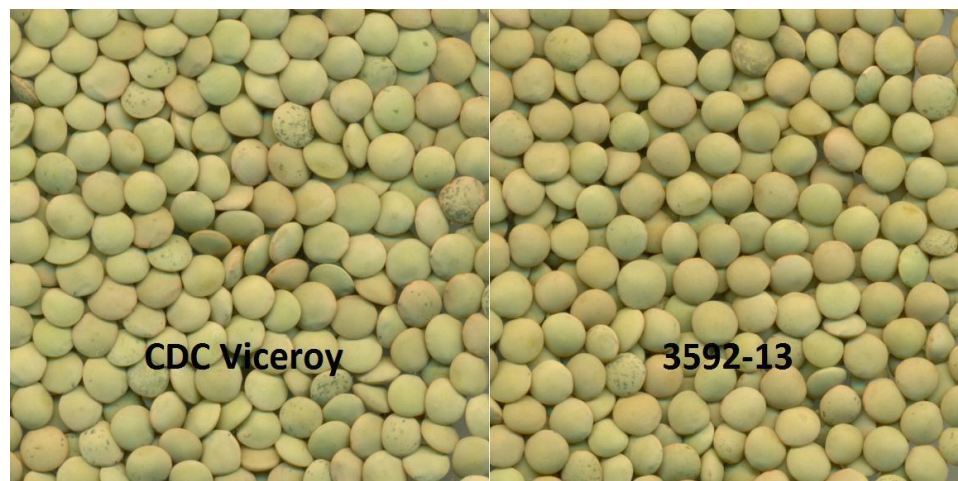
[ ] indicates number of sites; Market Class: SG = Small Green; All lines have green seed coat and yellow cotyledons; Seed Coat Colour Score: Better than Greenland = 1, Equal to Greenland = 2, 10-20% Bleached = 3, 50% Bleached = 4, <50% = 5

**Table 3: Two year seed size summary for CDC Kermit (3591-13) in the 2010-2011 Lentil RRT "B" in Western Canada**

Seed diameter distribution													
Line	% seed over round hole screen							%seed over slotted screen					
	>14/64	>13/64	>12/64	>11/64	>10/64	>9/64	>8/64	>7.0/64	>6.5/64	>6.0/64	>5.5/65	>5.0/64	
CDC Viceroy	0	3	25	50	16	5	1	1	26	39	23	10	
CDC Kermit	0	2	18	52	21	6	1	5	24	48	17	6	

**Table 4. Two year disease summary for CDC Kermit (3592-13) in the 2010-2011 Lentil RRT "B" in Western Canada**

Market Class	Line	Ascochyta		Anthracnose	
		Indoor 2010 (%)	Indoor 2011 (%)	Indoor 2010 (0-5)	Indoor 2011 (0-5)
Small Green	CDC Viceroy	24.8	25.9	2.0	1.0
<b>Small Green</b>	<b>CDC Kermit</b>	<b>19.7</b>	<b>29.4</b>	<b>2.5</b>	<b>1.5</b>



For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)