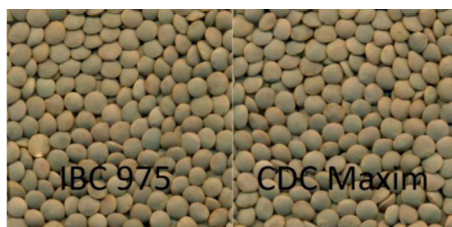


# CDC NIMBLE (CL®)

Large Red Lentil



**YEAR RELEASE TO  
SELECT SEED GROWERS**  
2019

**SUB-LICENSED OUTSIDE OF SK**  
FP Genetics

**INTERNATIONAL DISTRIBUTION  
RIGHTS**  
Pulse USA

**BREEDER**  
Dr. Albert Vandenberg  
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Saskatoon, SK

**PLANT BREEDERS RIGHTS**  
Applied

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## Description

CDC Nimble (IBC-975) is a high-yielding, small red Clearfield® lentil variety. In five years of testing in the co-op and regional trials, it yielded 108% of the check variety CDC Maxim in both the north and south geographies (Table 1). Seed coat colour, cotyledon colour, flowering time, maturity, plant height, and disease resistance characteristics are similar to CDC Maxim (Table 2). Seed diameter is slightly less compared to CDC Maxim but seed thickness is higher, making CDC Nimble more suitable for lentil dehulling (Table 3). Application for PBR'91 protection for CDC Nimble has been submitted.

## Strengths

- Seed thickness greater than that of CDC Maxim
- High yield compared to CDC Maxim
- Imidazolinone tolerance

## Neutral

- Similar agronomic and maturity characteristics compared to CDC Maxim
- Similar disease resistance as CDC Maxim

## Weaknesses

- None detected

**Table 1: Performance Data from the Co-op and Regional Trials in Saskatchewan**

VARIETY	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 BLIGHT	ANTHRACNOSE RACE 1				
CDC MAXIM	CL	2007	12	100	100	GOOD	GOOD	51	34	EARLY-MID	40
CDC IMPULSE	CL	2014	9	108	95	GOOD	GOOD	52	37	EARLY-MID	44
CDC PROCLAIM	CL	2014	8	105	102	GOOD	GOOD	51	34	EARLY-MID	40
CDC REDMOON		2015	8	114	106	GOOD	GOOD	52	33	EARLY-MID	41
CDC CARMINE		2016	8	111	106	GOOD	GOOD	54	34	EARLY-MID	40
CDC CORAL		2016	5	110	106	GOOD	GOOD	55	33	EARLY-MID	37
<b>CDC NIMBLE</b>	<b>CL</b>	<b>2019</b>	<b>5</b>	<b>108</b>	<b>108</b>	<b>GOOD</b>	<b>GOOD</b>	<b>52</b>	<b>35</b>	<b>EARLY-MID</b>	<b>38</b>

Source: Varieties of Grain Crops 2019 (SaskSeed Guide)

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

**Table 2: Two Year Indoor Disease Summary for CDC Nimble in the 2014-2015 Lentil Registration Recommendation Trial (RRT) in Western Canada**

VARIETY	MARKET CLASS	ASCOCHYTA BLIGHT (%)			ANTHRACNOSE RACE 1*		
		2014 INDOOR TEST	2015 INDOOR TESTING		2014 INDOOR TEST	2015 INDOOR TESTING	
			TEST 1	TEST 2		TEST 1	TEST 2
CDC MAXIM	SMALL RED	13.0	7.5	6.3	5.0	4.8	5.0
<b>CDC NIMBLE</b>	<b>SMALL RED</b>	<b>12.0</b>	<b>6.9</b>	<b>6.9</b>	<b>4.9</b>	<b>4.9</b>	<b>4.8</b>

Source: CDC Pulse breeding group, U of S

\*Anthracnose rating: 0 - 5, where 0 = no disease

**Table 3: Seed Thickness Distribution of CDC Nimble in the 2014-2015 Lentil RRT in Western Canada (4 sites)**

VARIETY	MARKET CLASS	SEED THICKNESS DISTRIBUTION (% SEED OVER):										
		ROUND HOLE SCREEN (MM)										SLOTTED SCREEN (MM) 2.6 > 6.5/64
		6.7 > 17/64	6.4 > 16/64	6.0 > 15/64	5.6 > 14/64	5.2 > 13/64	4.8 > 12/64	4.4 > 11/64	4.0 > 10/64	3.6 > 9/64		
CDC MAXIM	SMALL RED	0	0	0	4	23	51	18	4	1	51	
<b>CDC NIMBLE</b>	<b>SMALL RED</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>19</b>	<b>42</b>	<b>28</b>	<b>8</b>	<b>2</b>	<b>58</b>	

Source: CDC Pulse Breeding Group, U of S

For more information, visit [saskpulse.com](http://saskpulse.com)