

# CDC FOREST

Green Pea



**YEAR RELEASE TO  
SELECT SEED GROWERS**  
2017

**SUB-LICENSED OUTSIDE OF SK**  
SeCan

**INTERNATIONAL DISTRIBUTION  
RIGHTS**  
Not assigned

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## Description

CDC Forest is a green cotyledon, semi-leafless field pea variety. In two years of testing in the field pea co-op registration trial in 2013–2014 CDC Forest yielded 117% of the green pea check varieties CDC Striker and Cooper (Table 2). In six years of testing in the co-op and regional trials in Saskatchewan (Table 1), CDC Forest was the top yielding green pea in both geographies. CDC Forest has PBR'91 protection.

## Strengths

- High yield (greater than or equal to CDC Amarillo)
- Yield stability over different soil zones
- Powdery mildew resistance

## Neutral

- Good lodging resistance
- Medium vine length
- Medium maturity
- Medium seed size (equal to CDC Amarillo)
- Round seed shape (blockier than CDC Striker, rounder than Cooper)
- Low seed coat breakage per cent
- Good bleaching resistance
- Moderate protein concentration
- Moderate cooking time
- Fair resistance to Fusarium and Mycosphaerella

**Table 1: Agronomic Performance for CDC Forest from Co-op and Regional Trials in Saskatchewan**

Adapted from Varieties of Grain Crops 2019

VARIETY	YEAR REGISTERED	YEARS TESTED	YIELD % AMARILLO		MATURITY	LODGING (1-9)**	VINE LENGTH (CM)	RESISTANCE TO:						SEED WEIGHT (G/1000)	PROTEIN VS. CDC AMARILLO
			1, 2, & SOUTH 3*	NORTH 3 & 4*				MYCOSPHAERELLA BLIGHT***	POWDERLY MILDEW	FUSARIUM WILT	SEED COAT BREAKAGE	SEED COAT DIMPLING****	BLEACHING		
CDC AMARILLO (CHECK)	2012	10	100	100	MEDIUM	3.5	85	4.5	R	MR	FAIR	FAIR	n/a	230	23.0
BLUEMAN	2018	3	91	88	MEDIUM	4.5	85	4.5	R	I	n/a	GOOD	FAIR	220	+0.3
AAC COMFORT	2016	4	90	99	MEDIUM	4.5	85	4.5	R	I	GOOD	GOOD	GOOD	250	-0.4
COOPER	2004	8	89	80	MEDIUM	4.0	80	5.0	R	I	FAIR	GOOD	FAIR	270	+0.9
<b>CDC FOREST</b>	<b>2017</b>	<b>6</b>	<b>100</b>	<b>101</b>	<b>MEDIUM</b>	<b>4.0</b>	<b>85</b>	<b>4.5</b>	<b>R</b>	<b>I</b>	<b>GOOD</b>	<b>GOOD</b>	<b>GOOD</b>	<b>230</b>	<b>-0.2</b>
CDC GREENWATER	2014	9	99	92	MEDIUM	3.5	90	4.0	R	MR	FAIR	FAIR	GOOD	230	-1.1
CDC LIMERICK	2012	10	95	90	MEDIUM	3.5	85	4.0	R	I	GOOD	GOOD	GOOD	210	+2.8
CDC PATRICK	2008	10	87	86	MEDIUM	4.5	80	4.5	R	MR	GOOD	GOOD	GOOD	190	-1.0
CDC PLUTO	2010	8	92	84	MEDIUM	5.5	80	4.5	R	I	GOOD	GOOD	GOOD	160	-0.2
AAC RADIUS	2014	6	77	77	MEDIUM	5.0	85	4.5	R	I	VERY GOOD	GOOD	GOOD	230	+0.5
CDC RAEZER	2011	10	81	80	EARLY	3.5	85	5.0	R	MR	GOOD	GOOD	GOOD	220	-0.3
AAC ROYCE	2014	5	92	84	MEDIUM	5.0	70	5.0	R	I	FAIR	FAIR	GOOD	260	+0.4
CDC SAGE	2005	5	73	71	MEDIUM	4.0	80	5.0	R	MR	GOOD	FAIR	GOOD	220	n/a
CDC SPRUCE	2016	7	94	99	MEDIUM	4.0	85	4.5	R	I	FAIR	FAIR	GOOD	240	+0.1
CDC STRIKER	2002	10	81	80	MEDIUM	3.5	80	4.5	S	MR	VERY GOOD	GOOD	GOOD	240	+2.0

Source: Varieties of Grain Crops 2019 (SaskSeed Guide)

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

\*\*Lodging score: 1 = Upright; 9 = Completely lodged

\*\*\*Mycosphaerella blight score: 1 = No disease, 9 = Completely blighted

\*\*\*\*Seed coat dimpling: Very Good = 0-5%; Good = 6-20%; Fair = 21-50%

**Table 2: Agronomic Performance of CDC Forest Compared to the Checks (Pea Co-op Test A, 2013-2014)**

VARIETY	YIELD (KG/HA)	YIELD (% MEAN OF CHECKS)	DAYS TO MATURITY	VINE LENGTH (CM)	LODGING*	SEED WEIGHT (G/1000)	SEED SHAPE**	SEED COAT BREAKAGE (%)	BLEACH***	GREEN COLOUR INTENSITY****	CRUDE PROTEIN (%)	COOKING TIME (MIN)*****
CDC STRIKER (CHECK)	4181	98	97	80	3.9	242	2.5	0.3	3.0	3.5	25.1	20.6
COOPER (CHECK)	4310	102	99	82	3.8	257	3.1	5.5	3.2	3.9	23.7	11.7
<b>CDC FOREST</b>	<b>4948</b>	<b>117</b>	<b>100</b>	<b>86</b>	<b>3.8</b>	<b>230</b>	<b>2.9</b>	<b>2.1</b>	<b>3.2</b>	<b>3.7</b>	<b>23.7</b>	<b>12.9</b>
CV	10											
LSD 05	332		0.9	6.9	0.5	9.3	0.2	1.9	0.2	0.2	0.9	9.8
# Locations	22	22	20	17	23	19	20	4	19	20	9	2

Source: CDC Pulse Breeding Group, U of S

\*Lodging score: 1 = Upright; 9 = Completely lodged

\*\*Seed shape: 1 = Round; 5 = Cubic

\*\*\*Bleaching score: 1 = No bleaching, 5 = Completely bleached

\*\*\*\*Green colour intensity: 1 = Very intense; 5 = Pale

\*\*\*\*\*Cooking time = Mattson cooking time (min)

