

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## CDC Canary Yellow Field Pea



Progress Through Research  
Le progrès grâce à la recherche

### Description:

CDC Canary is a high yielding yellow cotyledon, semi-leafless field pea with medium vine length, good lodging tolerance and powdery mildew resistance.

**Parentage:** Ceb4152/1658-7

### Strengths:

- 10% higher yield compared to the mean of the yellow pea checks CDC Golden and Agassiz
- Good lodging resistance, similar to Agassiz and better than CDC Golden
- Medium vine length, longer than the checks
- Powdery mildew resistant

### Neutral Traits:

- Medium maturity, same as CDC Golden and 1 day earlier than Agassiz
- Medium seed size, slightly larger than CDC Golden and Agassiz

- Round seed shape, slightly blockier than the checks
- Low seed coat breakage percent, similar to the checks
- Moderate protein concentration, same as Agassiz and less than CDC Golden
- Fair mycosphaerella blight resistance; similar to the checks
- Fair Fusarium wilt resistance; similar to the checks

### PBR Protected

### Breeder:



### Funded by:



**Table 1: Performance of CDC Canary compared to the checks (Pea Co-op Test B, 2013-2014)**

Variety	Yield (kg/ha)	Yield (% mean of checks)	Days to maturity	Vine length (cm)	Lodging (pre-harvest)	Seed wt (mg)	Shape	Seed coat breakage (%)	Crude protein (%)
CDC Golden (check)	4472	97	97	87	4.7	210	2.5	1.5	23.7
Agassiz (check)	4797	104	98	90	4.2	223	2.6	4.6	22.7
<b>CDC Canary</b>	<b>5103</b>	<b>110</b>	<b>97</b>	<b>95</b>	<b>3.9</b>	<b>232</b>	<b>3.0</b>	<b>2.3</b>	<b>22.7</b>
# locations	22		20	16	23	19	20	4	9

Lodging score: 1=upright; 9=completely lodged

Shape: 1=round; 5=cubic

Cooking=Mattson cooking time (min);

**Table 2: Disease resistance data of CDC Canary compared to the checks (Pea Co-op Test B, 2013-2014)**

Variety	Myco (MB)	Myco (SK)	AUDPC-SK	Fusarium wilt (%)	Powdery mildew
CDC Golden (check)	4.8	4.2	17.3	25	0
Agassiz (check)	5.0	4.4	16.2	21	0
<b>CDC Canary</b>	<b>4.9</b>	<b>4.4</b>	<b>17.5</b>	<b>27</b>	<b>0</b>
LSD 05	1.2	1.1	1.7	18.4	0
# locations	2	2	2	2	2

Myco (MB)= Mycosphaerella blight assessed at Morden, MB (1=no disease, 9=completely blighted)

Myco (SK)= Mycosphaerella blight assessed at Saskatoon, SK.

AUDPC= Mycosphaerella blight area under the disease progress curve

Powdery mildew (0=no disease, 9=completely mildewed)

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

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## 2023 Seed Manitoba

Variety	Yield (% of CDC Amarillo)	Site Years Tested	Relative Maturity	Relative Vine Length	Seed Size (TKW)	Resistance to:						
						Lodging	Powdery Mildew	MB <sup>1</sup>	Fusarium Wilt <sup>2</sup>	Green Seed Coat <sup>3</sup>	Seed Coat Breakage	Seed Coat Dimpling <sup>4</sup>
CDC Amarillo (C)	100	57	Long	M	230	VG	VG	F	G	G	F	F
CDC Athabasca	97	41	Long	L	300	VG	VG	F	G	G	F	F
CDC Hickie	103	6	Mid	M	230	VG	VG	F	G	F	G	G
CDC Lewochko	103	41	Mid	L	230	VG	VG	F	F	G	G	G
CDC Spectrum	97	41	Long	L	240	VG	VG	F	F	G	G	G
<b>CDC Canary</b>	<b>98</b>	<b>41</b>	<b>Early</b>	<b>L</b>	<b>230</b>	<b>VG</b>	<b>VG</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>F</b>

1. Mycosphaerella Blight
2. Varieties which show good disease tolerance to one strain of Fusarium wilt may be susceptible to other strains
3. Green seed coats: G= 0-10%, F= 11-25%
4. Seed coat dimpling rating: VG= 0-5%, G= 6-20%, F= 21-50%

## 2026 Saskatchewan Seed Guide

Variety	Years Tested	Yield (% of CDC Amarillo)			Protein	Relative Maturity	Lodging <sup>1</sup>	Vine Length (cm)	Resistance to:						Seed Weight (g/1000)
		1, 2, & South 3	North 3 & 4	Irrigation					MB <sup>2</sup>	Powdery Mildew	Fusarium Wilt	Seed Coat Breakage	Seed Coat Dimpling <sup>3</sup>	Greenness <sup>4</sup>	
CDC Amarillo (C)	16	100	100	100	23.7	M	2.9	85	3.8	R	MR	F	F	G	230
CDC Boundless	6	108	106	---	+0.5	M	-0.1	90	-0.1	R	MR	G	G	G	230
CDC Canuck	4	109	106	---	-0.1	M	+0.2	90	-0.4	R	MR	G	G	F	240
CDC Hickie	9	106	104	---	+0.6	M	-0.1	85	0.0	R	MR	G	G	G	230
CDC Lewochko	12	104	103	---	+0.8	M	-0.1	90	-0.2	R	I	G	G	G	230
CDC Spectrum	14	104	103	93	+0.3	M	+0.1	85	-0.2	R	I	G	G	F	240
CDC Tollefson	9	107	106	---	-0.1	M	-0.2	90	-0.1	R	MR	G	G	G	240
<b>CDC Canary</b>	<b>10</b>	<b>99</b>	<b>100</b>	<b>---</b>	<b>-0.2</b>	<b>E</b>	<b>+0.2</b>	<b>85</b>	<b>+0.4</b>	<b>R</b>	<b>I</b>	<b>G</b>	<b>F</b>	<b>F</b>	<b>230</b>

1. Lodging: 1= completely upright, 9= completely lodged; values are +/- CDC Amarillo; 2. Mycosphaerella Blight score (1-9): 1= no disease, 9= completely blighted, values are +/- CDC Amarillo
3. Seed coat dimpling: VG= 0-5%, G= 6-20%, F= 21-50%; 4. Green seed coats: G= 0-15%, F= 16-40%

## 2026 Alberta Seed Guide

Variety	Most Recent year of RVT Testing	Overall Yield	Overall Station Years of Testing	Brown - Irrigated		Brown		Black-short		Black-mid		Grey Wooded		Agronomic Characteristics:					Disease Tolerance <sup>5</sup>		Tolerance to:		
				Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Protein (%)	Maturity Rating <sup>1</sup>	Vine Length (cm)	Seed Size (TKW)	Stand- ability <sup>2</sup>	MB <sup>3</sup>	Fusarium Wilt	Seed Coat Breakage	Seed Coat Dimpling <sup>4</sup>	Green Seed Coat <sup>6</sup>
<b>CDC Amarillo (bu/ac)</b>	<b>74</b>	<b>83</b>	<b>63</b>	<b>83</b>	<b>63</b>	<b>83</b>	<b>70</b>	<b>75</b>	<b>70</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>										
CDC Amarillo (C)	2025	100	105	100	6	100	13	100	27	100	44	100	15	23.7	M	85	230	2.9	3.8	MR	F	F	G
CDC Boundless	2025	105	30	XX	3	XX	5	107	7	106	11	XX	4	0.5	M	90	230	2.8	3.7	MR	G	G	G
CDC Hickie	2024	101	25	XX	2	XX	2	105	6	101	10	XX	3	+0.6	M	85	230	2.8	3.8	MR	G	G	G
CDC Lewochko	2023	103	58	XX	3	98	7	104	14	104	23	103	11	+0.8	M	90	230	2.8	3.6	I	G	G	G
CDC Spectrum	2023	103	68	XX	3	94	7	105	18	105	29	105	11	+0.3	M	85	240	3.0	3.7	I	G	G	F
CDC Tollefson	2024	105	25	XX	2	XX	2	108	6	106	10	XX	5	-0.1	M	90	240	2.8	3.7	MR	G	G	G
<b>CDC Canary</b>	<b>2023</b>	<b>103</b>	<b>58</b>	<b>XX</b>	<b>3</b>	<b>95</b>	<b>7</b>	<b>104</b>	<b>14</b>	<b>105</b>	<b>23</b>	<b>103</b>	<b>13</b>	<b>-0.2</b>	<b>E</b>	<b>85</b>	<b>230</b>	<b>3.1</b>	<b>4.2</b>	<b>I</b>	<b>G</b>	<b>F</b>	<b>F</b>

1. Maturity: E= Early, M= Medium, L= Late; Standability: 2. 1= completely upright, 9= completely lodging; 3. Mycosphaerella Blight: 4. 1= no disease, 9= completely blighted;
5. Seed Coat Dimpling: VG= 0-5%, G= 6-20%, F= 21-50%; 6. Disease Tolerance: I= intermediate, MR= moderately resistance, R= resistant; Green Seed Coat: G= 0-10%, F= 11-25%

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