














# FIELD PEA – YELLOW

Variety	Overall Yield	Overall Station Years of Testing	Area:										Agronomic Characteristics:				Disease Tolerance: <sup>4</sup>				
			1		2		3		4		5		Maturity Rating <sup>1</sup>	Vine Length (cm)	TSW <sup>2</sup> (g)	Standability <sup>3</sup> (1 - 9)	Mycosphaerella Blight	Fusarium Wilt	Seed Coat Breakage	Seed Coat Dimpling <sup>5</sup>	Green Seed Coat <sup>6</sup>
			Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years									
<b>Varieties tested in the 2018 trials (Yield and agronomic data only directly comparable to CDC Amarillo)</b>																					
<b>CDC Amarillo (kg/ha)</b>	<b>5277</b>		<b>3842</b>		<b>4674</b>		<b>6866</b>		<b>5394</b>		<b>6471</b>										
<b>CDC Amarillo</b>	<b>100</b>	<b>106</b>	<b>100</b>	<b>18</b>	<b>100</b>	<b>30</b>	<b>100</b>	<b>17</b>	<b>100</b>	<b>25</b>	<b>100</b>	<b>16</b>	<b>M</b>	<b>81</b>	<b>227</b>	<b>2.4</b>	<b>F</b>	<b>G</b>	<b>F</b>	<b>F</b>	<b>G</b>
AAC Barrhead 	99	43	96	7	96	10	98	8	103	11	98	7	E	82	233	2.5	F	F	G	G	XX
AAC Carver 	105+	43	105	7	103	10	104	8	108+	11	103	7	E	84	243	2.9	F	F	G	G	G
AAC Chrome 	110+	29	116+	5	110+	8	108	5	108	6	105	5	M - L	72	240	2.9	F	P	G	F	G
AAC Lacombe 	104+	76	106+	13	101	23	106+	10	105+	20	102	10	M	76	258	2.2	F	P	G	F	G
CDC Athabasca 	95-	29	92	5	94	8	99	5	95	6	91-	5	M	80	284	2	F	F	F	F	G
CDC Canary 	104	29	106	5	104	8	98	5	101	6	101	5	E	80	241	2.6	F	F	G	F	G
CDC Inca 	104	43	101	7	97	10	110+	8	103	12	101	6	M	79	231	2.1	F	F	G	G	F
CDC Lewochko (A) 	106	15	102	2	98	4	104	3	100	3	105	3	M	89	233	1.6	F	F	G	G	G
CDC Meadow	97-	92	98	15	100	26	90-	13	96-	25	94-	13	M	81	205	3.6	F	F	G	G	G
CDC Spectrum 	106+	29	103	5	99	8	106+	5	100	6	109+	5	M	78	242	2.1	F	F	G	G	F
<b>Previously tested varieties</b>																					
AAC Peace River	92-	49	89-	8	94	15	90	5	97	16	82	5	VE	68	217	3.8	F	F	F	G	G
Abarth 	98-	49	101	8	104	16	83-	5	94	14	102	6	M	77	249	3.6	F	F	F	G	G
LN4228 	93-	45	90-	8	94	11	89	7	95	14	97	5	M	69	254	2.1	F	F	F	F	G
<b>Varieties tested in 2012 - 2014 (Yield and agronomic data only directly compared to CDC Meadow)</b>																					
<b>CDC Meadow (kg/ha)</b>	<b>4982</b>		<b>3793</b>		<b>4567</b>		<b>6266</b>		<b>5189</b>		<b>5175</b>										
<b>CDC Meadow</b>	<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>M</b>	<b>81</b>	<b>207</b>	<b>3.6</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>G</b>	<b>G</b>
CDC Saffron	103	47	110	8	104	15	99	5	101	13	99	6	M	84	236	4.3	F	F	G	F	G
Hugo 	93-	47	104	7	92	13	92	6	96	14	75-	7	M	73	210	5.2	F	F	G	F	F
Stella  NR F	80-	45	75-	7	81-	13	83-	6	80-	12	80-	7	M	95	213	3.9	F	F	G	G	F

**Varieties tested in 2003 - 2011 (Yield and agronomic data only directly comparable to Cutlass)**

<b>Cutlass (kg/ha)</b>	<b>4485</b>	<b>3388</b>	<b>4267</b>	<b>5111</b>	<b>4816</b>	<b>3718</b>															
<b>Cutlass †</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>71</b>	<b>228</b>	<b>4.1</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>G</b>						
Agassiz ☞	103	43	99	5	102	8	100	6	104	19	106	5	M	77	237	2.9	F	F	G	VG	G
CDC Hornet	107+	43	99	6	111+	11	106+	6	102	13	119	7	M	89	215	3.7	F	F	F	F	G
CDC Prosper	97-	44	90	4	98	9	93-	6	99	18	97	7	E	73	150	3.9	F	G	G	F	G
CDC Treasure	100	44	96	4	104	9	96	6	100	18	105	7	E	80	217	3.4	F	F	G	F	F
Thunderbird	97	37	88	5	99	8	98	6	98	13	102	5	M	76	229	2.1	F	F	G	VG	XX





**Varieties tested in 2000 - 2005 (Yield and agronomic data only directly comparable to Carrera)**

<b>Carrera (kg/ha)</b>	<b>4126</b>	<b>2913</b>	<b>2779</b>	<b>5248</b>	<b>4681</b>	<b>4016</b>															
<b>Carrera</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>E</b>	<b>54</b>	<b>257</b>	<b>4.7</b>	<b>P</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>G</b>						
CDC Golden	105	36	99	5	109	12	99	7	105	11	XX	XX	M	70	223	3.5	F	F	G	G	G

**Remarks:** Stella is a silage type pea. All the yellow pea varieties listed in the table are Powdery Mildew resistant except Carrera that is susceptible. ▲ = Applied for Plant Breeder's Rights protection (PBR). ☞ = Protected by PBR (UPOV 91). ☜ = Protected by PBR (UPOV 91). A = First year entries (2018). NR = Variety not registered with CFIA. F = Forage type. XX = Insufficient data to describe. LGPN 4903 removed from the table.

<sup>1</sup>Maturity: E = early, M = medium, L = Late; <sup>2</sup>Thousand Seed Weight: g; <sup>3</sup>Standability: 1 = erect, 9 = flat; <sup>4</sup>Tolerance to: P = poor, F = fair, G = good, VG = very good; <sup>5</sup>Seed Coat Dimpling: VG = very good (0 - 5%), G = good (6 - 20%), F = fair (21 - 50%); <sup>6</sup>Green Seed Coat: G = good (0 - 10%), F = fair (11 - 25%).

# FIELD PEA – GREEN

Variety	Overall Yield	Overall Station Years of Testing	Area:										Agronomic Characteristics:				Disease Tolerance: <sup>4</sup>				
			1		2		3		4		5		Vine				Mycosphaerella Blight	Fusarium Wilt	Bleaching	Seed Coat Breakage	Seed Coat Dimpling <sup>5</sup>
			Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Maturity Rating <sup>1</sup>	Length (cm)	TSW <sup>2</sup> (g)	Standability <sup>3</sup> (1 - 9)					
<b>Varieties tested in the 2018 trials (Yield and agronomic data only directly comparable to CDC Limerick)</b>																					
<b>CDC Limerick (kg/ha)</b>	<b>4852</b>		<b>3571</b>		<b>4567</b>		<b>6160</b>		<b>4807</b>		<b>6061</b>										
<b>CDC Limerick</b>	<b>100</b>	<b>106</b>	<b>100</b>	<b>18</b>	<b>100</b>	<b>33</b>	<b>100</b>	<b>17</b>	<b>100</b>	<b>30</b>	<b>100</b>	<b>8</b>	<b>M</b>	<b>78</b>	<b>211</b>	<b>3</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>VG</b>	<b>G</b>
AAC Comfort 	100	30	104	6	98	9	104	5	98	7	98	3	M - L	78	253	3.3	F	F	G	XX	F
CDC Forest 	109+	30	121+	6	109+	9	108	5	102	7	108+	3	M	81	236	2.2	F	F	G	G	G
CDC Spruce 	105+	30	104	6	107+	9	108+	5	99	7	108	3	M	81	254	2.3	F	F	G	G	F
LRP1424 NR	103	30	112	6	103	9	102	5	99	7	101	3	M	81	214	2.6	F	F	G	G	G
<b>Previously tested varieties</b>																					
AAC Radius	92-	44	94	8	90-	10	88-	6	94-	16	88	4	M	76	217	3.6	F	F	G	G	G
AAC Royce	96-	40	106	8	92	8	92	6	98	14	87	4	M	67	247	4.1	F	F	G	F	F
CDC Greenwater	106+	42	106	8	109	10	105	6	106+	14	97	4	L	74	230	2.8	F	G	G	F	F
<b>Varieties tested in 2013 - 2014 (Yield and agronomic data only directly comparable to CDC Patrick)</b>																					
<b>CDC Patrick (kg/ha)</b>	<b>4732</b>		<b>5083</b>		<b>4543</b>		<b>5591</b>		<b>4305</b>		<b>5060</b>										
<b>CDC Patrick</b>	<b>100</b>	<b>109</b>	<b>100</b>	<b>16</b>	<b>100</b>	<b>34</b>	<b>100</b>	<b>12</b>	<b>100</b>	<b>32</b>	<b>100</b>	<b>14</b>	<b>M</b>	<b>79</b>	<b>186</b>	<b>4.4</b>	<b>F</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>
CDC Pluto	96-	52	101	8	98	17	81-	5	100	16	87-	6	M	82	170	6	F	F	G	G	G
CDC Raezer	105	52	91	8	107	17	94	5	107	16	118	6	M	89	227	4.2	F	G	G	G	G
CDC Tetris	106	52	102	8	105	17	93	5	110+	16	116+	6	L	91	215	4.4	F	G	G	G	G
<b>Varieties tested in 2004 - 2012 (Yield and agronomic data only directly comparable to Cooper)</b>																					
<b>Cooper (kg/ha)</b>	<b>4724</b>		<b>4947</b>		<b>4316</b>		<b>5435</b>		<b>4835</b>		<b>4244</b>										
<b>Cooper </b>	<b>100</b>	<b>121</b>	<b>100</b>	<b>18</b>	<b>100</b>	<b>34</b>	<b>100</b>	<b>14</b>	<b>100</b>	<b>36</b>	<b>100</b>	<b>19</b>	<b>L</b>	<b>76</b>	<b>270</b>	<b>3.6</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>F</b>	<b>G</b>
CDC Sage	82-	31	79	3	80-	6	84-	6	84-	13	78	3	M	75	197	3.3	F	G	G	VG	G
CDC Striker	96-	39	92	3	115	7	107	4	89-	21	92	4	M	72	255	3	F	G	G	G	G
Mendel	91-	38	75-	3	97	11	87-	4	91-	15	89	5	M	78	205	3.9	F	F	G	F	G

**Remarks:** CDC Tetris is an Espace type with blocky seed shape. All the green pea varieties listed in the table are Powdery Mildew resistant except CDC Striker that is susceptible. ▲ = Applied for Plant Breeder's Rights protection (PBR). = Protected by PBR (UPOV 78). = Protected by PBR (UPOV 91). NR = Variety not registered with CFIA. XX = Insufficient data to describe.

<sup>1</sup>Maturity: E = Early, M = Medium, L = Late; <sup>2</sup>Thousand Seed Weight: g; <sup>3</sup>Standability: 1 = Erect, 9 = Flat; <sup>4</sup>Tolerance to: P = Poor, F = Fair, G = Good, VG = Very Good; <sup>5</sup>Seed Coat Dimpling: VG = Very Good (0 - 5%), G = Good (6 - 20%), F = Fair (21 - 50%).

# DRY BEAN – NARROW ROW

Variety	Type	Site Years 1997 - 2018	Overall Yield	Days to Bloom <sup>1</sup>	Days to Maturity	TSW <sup>2</sup> (g)	Plant Height (cm)	Lodging <sup>3</sup> (1 - 5)	Growth Habit <sup>4</sup>
<b>Varieties tested in the 2018 trials (Yield and agronomic data only directly comparable to the checks)</b>									
<b>AC Black Diamond (kg/ha)</b>			<b>3226</b>						
AC Black Diamond	Black Shiny	22	100	57	102	257	36	2.3	II
AAC Black Diamond 2	Black Shiny	6	101	60	0	266	33	1.8	II
CDC Blackstrap (A)	Black Matte	2	101	52	-11	244	31	2.5	II
<b>Island (kg/ha)</b>			<b>4377</b>						
Island	Pinto	12	100	56	100	349	42	2.7	II
AAC Explorer	Pinto	3	75	50	-8	384	36	2.6	II
AAC Expedition (A)	Pinto	1	100	54	-7	414	29	3.3	II
<b>AAC Tundra (kg/ha)</b>			<b>4359</b>						
AAC Tundra	Great Northern	8	100	54	96	369	42	2.4	II
AAC Whitehorse	Great Northern	7	108	53	-2	391	42	2.4	II
AAC Whitestar	Great Northern	4	105	48	-6	387	45	2	II
<b>AACY012 (kg/ha)</b>			<b>2714</b>						
AAC Y012 (A)	Yellow	1	100	49	90	380	32	1.5	I
AAC Y015 (A)	Yellow	1	112	51	2	365	31	1	I
<b>AAC Cranford (kg/ha)</b>			<b>3183</b>						
AAC Cranford (A)	Cranberry	1	100	51	95	516	32	1.3	I
<b>Previously tested varieties (Yield and agronomic data only directly comparable to the checks)</b>									
<b>AC Black Diamond (kg/ha)</b>			<b>3174</b>						
AC Black Diamond	Black Shiny	20	100	57	103	253	36	2.3	II
CDC Blackcomb	Black Matte	6	78	64	1	186	36	1.3	II
<b>Island (kg/ha)</b>			<b>4155</b>						
Island	Pinto	10	100	56	102	344	42	2.7	II
AAC Burdett	Pinto	6	92	58	-4	381	42	1.3	II
CDC Marmot	Pinto	5	89	55	-6	419	34	2.2	II
CDC WM 2	Pinto	8	80	56	3	350	41	2.4	II
Medicine Hat	Pinto	8	99	62	4	342	44	2	II
Winchester	Pinto	5	80	58	7	302	45	2.1	II
<b>AAC Tundra (kg/ha)</b>			<b>4559</b>						
AAC Tundra	Great Northern	6	100	54	98	365	44	2.4	II
AC Polaris	Great Northern	14	76	58	5	329	35	3.4	II
AC Resolute	Great Northern	17	68	51	-2	353	40	2.2	II
<b>AC Redbond (kg/ha)</b>			<b>2658</b>						
AC Redbond	Small Red	16	100	51	101	296	38	2.5	II
<b>CDC Sol (kg/ha)</b>			<b>1887</b>						
CDC Sol	Yellow	6	100	59	111	385	33	1.6	I
<b>Viva (kg/ha)</b>			<b>2380</b>						
Viva	Pink	13	100	52	100	252	30	3.5	III

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**Remarks:** ▲ = Applied for Plant Breeder's Rights protection (PBR). ☞ Protected by PBR (UPOV 78). = Protected by PBR (UPOV 91). A = First year entries (2018). XX = Insufficient data to describe. <sup>1</sup>Days to bloom from seeding; <sup>2</sup>Thousand Seed Weight; <sup>3</sup>Lodging: 1 = erect, 5 = flat. <sup>4</sup>Growth Habit: I = determinate bush, II = indeterminate bush, III = indeterminate prostrate.

# DRY BEAN – WIDE ROW

Variety	Type	Site Years 1997 - 2018	Overall Yield	Days to Bloom <sup>1</sup>	Days to Maturity	TSW <sup>2</sup> (g)	Plant Height (cm)	Lodging <sup>3</sup> (1 - 5)	Growth Habit <sup>4</sup>
<b>Varieties tested in the 2018 trials (Yield and agronomic data only directly comparable to the checks)</b>									
<b>AC Black Diamond (kg/ha)</b>			<b>3198</b>						
AC Black Diamond	Black Shiny	44	100	57	102	265	37	2.2	II
AAC Black Diamond 2	Black Shiny	11	101	58	1	257	36	2.3	II
<b>Island (kg/ha)</b>			<b>3849</b>						
Island	Pinto	25	100	56	99	368	40	3	II
AAC Explorer	Pinto	6	92	52	-3	369	34	2.8	II
AAC Expedition (A)	Pinto	2	83	56	-1	387	31	3.7	II
<b>AAC Tundra (kg/ha)</b>			<b>3714</b>						
AAC Tundra	Great Northern	17	100	52	96	350	42	2.9	II
AAC Whitehorse	Great Northern	14	98	51	-1	373	42	2.8	II
AAC Whitestar	Great Northern	8	97	54	-1	368	44	2.9	II
AC Resolute	Great Northern	14	97	51	1	351	42	2.5	II
<b>AAC Y012 (kg/ha)</b>			<b>3671</b>						
AAC Y012	Yellow	6	100	52	99	398	34	1.5	I
AAC Y015	Yellow	6	87	54	1	399	33	2.3	I
<b>AAC Cranford (kg/ha)</b>			<b>3068</b>						
AAC Cranford	Cranberry	4	100	55	98	592	32	1.9	I
<b>Previously tested varieties (Yield and agronomic data only directly comparable to the checks)</b>									
<b>AC Black Diamond (kg/ha)</b>			<b>3017</b>						
AC Black Diamond	Black Shiny	40	100	57	103	265	38	2.2	II
CDC Blackcomb	Black Matte	11	79	62	0	178	35	1.8	II
<b>Island (kg/ha)</b>			<b>3758</b>						
Island	Pinto	20	100	56	100	369	41	3	II
AAC Burdett	Pinto	9	101	55	-6	354	44	2.2	II
CDC WM-2	Pinto	14	76	56	1	369	40	2.5	II
Medicine Hat	Pinto	12	93	61	4	354	42	2.4	II
Winchester	Pinto	13	85	56	4	337	40	2.5	II
<b>AAC Tundra (kg/ha)</b>			<b>3570</b>						
AAC Tundra	Great Northern	13	100	52	97	349	42	2.9	II
AC Polaris	Great Northern	6	107	62	7	300	37	4.1	II
<b>AC Redbond (kg/ha)</b>			<b>3149</b>						
AC Redbond	Small Red	29	100	52	100	319	40	2.4	II
<b>CDC Sol (kg/ha)</b>			<b>2350</b>						
CDC Sol	Yellow	14	100	55	104	409	33	1.5	I
Myasi	Yellow	9	89	63	6	350	34	2.1	I
<b>Viva (kg/ha)</b>			<b>3137</b>						
Viva	Pink	29	100	54	102	258	34	3.8	III

Remarks: ▲ = Applied for Plant Breeder's Rights protection (PBR). ◀ = Protected by PBR (UPOV 78). ◂ = Protected by PBR (UPOV 91). A = First year entries (2018). XX = Insufficient data to describe. <sup>1</sup>Days to bloom from seeding; <sup>2</sup>Thousand Seed Weight; <sup>3</sup>Lodging: 1 = erect, 5 = flat. <sup>4</sup>Growth Habit: I = determinate bush, II = indeterminate bush, III = indeterminate prostrate.

## FABABEAN

Variety	Type	Overall Yield	Overall Station Years of Testing	Relative Maturity <sup>1</sup>	Plant Height (cm)	Thousand Seed Weight (g)	Flower Color <sup>2</sup>
<b>Varieties tested in the 2018 trials (Yield and agronomic data only directly comparable to Snowbird)</b>							
<b>CDC Snowbird (kg/ha)</b>		<b>5722</b>					
CDC Snowbird ☞	Zero Tannin	100	54	E	89	478	W
CDC 219-16 ☞ NR	Zero Tannin	101	10	E	83	358	W
DL Tesoro NR	Zero Tannin	107	10	M	89	571	W
Fabelle ▲	Tannin	115+	20	M	94	534	C
Malik NR * NR	Tannin	96-	42	M	83	632	C
<b>Previously tested varieties: 2013 - 2015 (Yield and agronomic data only directly comparable to Snowbird)</b>							
Snowdrop	Zero Tannin	88-	23	E	87	351	W
Tabasco ☞	Zero Tannin	85-	15	M	86	374	W

**Remarks:** All colored flower types have seed coats that contain tannins and may be suitable for export food markets if seed size and quality match customer demand. Varieties tested for a minimum three years are considered fully tested. ▲ = Applied for Plant Breeder's Rights protection (PBR). ☞ = Protected by PBR (UPOV 78). ☞ = Protected by PBR (UPOV 91). NR = Variety not registered with CFIA. \* Contract Varieties. Varieties removed from the table: Athena, Rodeo and Vertigo.

<sup>1</sup>Maturity: E = early, M = medium, ML = medium late, L = late; <sup>2</sup>Flower Colour: W = white flower, zero tannin; C = colored flower, tannin.


2018

APG		
bu/ac	kg/ha	%
84.1	5656	100
86	5784	102
91.6	6160	109
99	6658	118
87.2	5864	104




<b>SAS</b>
<b>%</b>
<b>100</b>
<b>100</b>
<b>107</b>
<b>112</b>
<b>97</b>

# CHICKPEA

Variety	Type	Overall Station Years of Testing	Overall Yield <sup>1</sup>	Agronomic Characteristics:			
				TSW <sup>2</sup> (g)	Maturity Rating <sup>3</sup>	Plant Height (cm)	Tolerance to Ascochyta <sup>4</sup>
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to CDC Frontier)</b>							
<b>CDC Frontier (kg ha<sup>-1</sup>)</b>			<b>4324</b>				
<b>CDC Frontier<sup>1</sup></b>	<b>Kabuli</b>	<b>38</b>	<b>100</b>	<b>329</b>	<b>L</b>	<b>42</b>	<b>F</b>
CDC Consul	Desi	11	94	207	M	38	F
CDC Corinne	Desi	21	106	212	M	43	F
CDC Cory	Desi	21	100	232	M	44	F
CDC Alma	Kabuli	25	90	326	ML	38	VP
CDC Leader	Kabuli	21	97	332	ML	40	F
CDC Orion	Kabuli	25	96	387	ML	41	P
CDC Palmer 	Kabuli	11	97	285	M	37	F

## Previously tested varieties (Yield and agronomic data only directly comparable to CDC Frontier)

Amit 	Kabuli	25	92	269	L	44	F
CDC Luna	Kabuli	19	88	378	ML	37	P
CDC Vanguard	Desi	16	92	230	ML	42	F

**Remarks:** All four trials: Bow Island, Brooks, Lethbridge and Medicine Hat were grown in Area 1. A = First year entries (2017).

<sup>1</sup>Yields are reported relative to CDC Frontier. <sup>2</sup>TSW: Thousand Seed Weight. <sup>3</sup>Maturity Ratings: E = Early, M = Medium, ML = Medium to Late, L = Late. <sup>4</sup>Tolerance to Ascochyta: VP = Very Poor, P = Poor, F = Fair.



# LENTIL

		Area:								Agronomic Characteristics:					Disease Tolerance: <sup>6</sup>	
Market Class	Variety	Overall Yield	Overall Station Years of Testing	1		2		5		TSW <sup>2</sup> (g)	Plant Height (cm)	Maturity Rating <sup>3</sup>	Cotyledon Colour <sup>4</sup>	Seed Coat Colour <sup>5</sup>	Ascochyta	Anthracnose
				Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years							
<b>Varieties tested in the 2018 trials (Yield and agronomic data only directly comparable to CDC Maxim)</b>																
	<b>CDC Maxim (kg ha<sup>-1</sup>)</b>	<b>2938</b>		<b>2859</b>		<b>2878</b>		<b>3933</b>								
Small Red	CDC Maxim (CL) <sup>1</sup>	100	37	100	31	100	4	100	2	40	34	E/M	R	GR	G	G
Extra Small Red	CDC Roxy ▲	99	17	97	11	104	4	103	2	28	33	E/M	R	GR	G	G
Small Red	IBC-978 (CL) (A) ▲ NR	96	8	89	4	115	2	92	2	31	32	E/M	R	GR	G	G
	CDC Impulse (CL) ●	104	17	100	11	107	4	119	2	47	36	E/M	R	GR	G	G
	CDC Proclaim (CL) ●	103	14	102	8	109	4	99	2	40	35	E/M	R	GR	G	G
Small Green	CDC Kermit ●	103	8	92	4	127	2	103	2	31	32	E/M	Y	G	G	G
Large Green	CDC IBC-937 (CL) (A) ▲ NR	93	8	84	4	113	2	93	2	67	34	M/L	Y	G	G	VP
<b>Previously tested varieties (Yield and agronomic data only directly comparable to CDC Maxim)</b>																
Extra Small Red	CDC Impala (CL)	93-	20	93-	20	XX	XX	XX	XX	31	35	E	R	GR	G	G
	CDC Imperial (CL)	82-	17	82-	17	XX	XX	XX	XX	30	35	E	R	GR	G	G
	CDC Rosie	97	19	102	17	76	2	XX	XX	30	35	E/M	R	GR	G	G
Small Red	CDC Dazil (CL)	94	25	93	23	98	2	XX	XX	34	35	E/M	R	GR	G	F
	CDC Imax (CL)	100	19	100	19	XX	XX	XX	XX	46	37	E/M	R	GR	G	F
	CDC Redberry	96	17	96	17	XX	XX	XX	XX	44	37	E	R	GR	G	G
	CDC Redcliff	110+	14	110+	14	XX	XX	XX	XX	39	36	E/M	R	GR	G	F
	CDC Scarlet	102	19	105	17	86	2	XX	XX	38	35	E/M	R	GR	G	F
Large Red	CDC KR-1	104	23	104	21	103	2	XX	XX	52	39	M	R	GR	G	G
Small Green	CDC Invincible (CL)	96	28	96	26	90	2	XX	XX	33	35	E	Y	G	G	G
Medium Green	CDC Imigreen (CL)	79-	14	79-	14	XX	XX	XX	XX	61	43	M	Y	G	G	VP
	CDC Impress (CL)	85-	14	85-	14	XX	XX	XX	XX	52	38	M	Y	G	G	P
Large Green	CDC Greenland	88-	14	88-	14	XX	XX	XX	XX	67	39	M/L	Y	G	G	VP
	CDC Greenstar	92	9	XX	XX	XX	XX	XX	XX	63	37	M/L	Y	G	G	F
	CDC Impower (CL)	81	23	81	21	83	2	XX	XX	67	41	M/L	Y	G	G	VP
	CDC Improve (CL)	84	23	84	21	83	2	XX	XX	71	38	M	Y	G	F	VP

**Remarks:** Weight, diameter and thickness of lentil seeds were dependent upon environmental conditions and agronomic factors. Four trials were grown in Zone 1: Bow Island, Brooks, Lethbridge, Medicine Hat; two trials in Zone 2: Oyen and Strathmore; and three trials in Zone 5: Stettler, Vegreville and Vermillion. ▲ = Applied for Plant Breeder's Rights protection (PBR). ● = Protected by PBR (UPOV 91). CL= Clearfield variety. NR = not registered with CFIA. A = First year entries (2018). XX = Insufficient data to describe.

<sup>1</sup>Yields are reported relative to CDC Maxim (CL). CDC Maxim belongs to Small Red Market Class. <sup>2</sup>Thousand Seed Weight. <sup>3</sup>Maturity: E = Early, M = Medium, L = Late, VL = Very Late. <sup>4</sup>Cotyledon Color: R = Red, Y = Yellow, G = Green; <sup>5</sup>Seed Coat Color/Patterns: G = Green, GR = Grey, BR = Brown, FG = French Green, T = Tan, MRB = Marbled. <sup>6</sup>Disease tolerance: VP = Very Poor, P = Poor, F = Fair, G = Good.

# SOYBEANS

Variety	Overall Yield	Overall Station years of Testing	Irrigation:		Area 5		Agronomic Characteristics:					Seeds per Pound
			Yield (%)	Site Years	Yield (%)	Site Years	Days to Flowering	Pod Clearance <sup>2</sup> (cm)	Plant Height (cm)	Relative Days to Maturity <sup>3</sup>	TSW <sup>4</sup> (g)	
<b>Varieties tested in the 2018 trials (Yield and agronomic data only directly comparable to McLeod)</b>												
<b>McLeod (kg ha<sup>-1</sup>)</b>	<b>3305</b>		<b>3602</b>		<b>2432</b>							
<b>McLeod</b>	<b>100</b>	<b>28</b>	<b>100</b>	<b>23</b>	<b>100</b>	<b>2</b>	<b>55</b>	<b>6</b>	<b>63</b>	<b>123</b>	<b>159</b>	<b>2855</b>
22-60	100	17	100	16	101	1	53	4	52	0	147	3088
Akras	109	28	112+	23	89	2	57	9	63	2	147	3088
CBZ916A2 (A)	92	5	93	4	86	1	56	4	57	-3	153	2967
CFS18.01 (A)	90	5	93	4	75	1	56	4	58	0	147	3088
CFS18.02 (A)	98	5	100	4	91	1	56	3	57	-3	154	2948
CFS18.06 (A)	89	5	93	4	74	1	56	4	70	4	149	3047
CFS18.07 (A)	94	5	92	4	100	1	54	3	57	-5	141	3220
Dario	88-	9	89	8	79	1	53	4	53	-4	138	3290
Dayo (A)	74-	5	76-	4	68	1	57	2	41	-6	140	3243
DKB0005-44 (A)	90	5	91	4	87	1	57	4	54	-4	145	3131
DKB009-89 (A)	97	5	96	4	99	1	56	3	58	-2	164	2768
Nocoma	90-	9	90-	8	85	1	54	6	55	-6	162	2802
NSC Leroy	83-	9	84-	8	79	1	54	4	53	-11	150	3027
NSC Melfort (A)	93	5	94	4	88	1	53	3	57	-5	120	3783
NSC Newton	88-	9	90-	8	67	1	55	5	61	1	158	2873
NSC Redvers (A)	89-	5	93	4	72	1	56	3	57	0	133	3414
NSC Watson	91-	13	90-	12	103	1	53	4	51	-11	156	2910
S0007-B7X (A)	82-	5	81-	4	86	1	55	2	52	-9	138	3290
S0009 - D6	87-	9	87-	8	88	1	53	4	51	-9	132	3439
S0009 - M2	97	17	98	16	82	1	52	5	56	-10	151	3007
S003	103	13	103	12	105	1	53	5	55	-7	174	2609
S006-M4X (A)	98	5	99	4	93	1	55	3	57	0	123	3691
S006-W5	108+	13	109+	12	95	1	52	4	54	-5	133	3414
S007	108+	17	108+	16	116	1	52	5	58	-1	150	3027
S008	107+	9	108+	8	98	1	53	5	59	1	166	2735
TH33003	102	24	101	19	113	2	52	6	68	-1	140	3243
TH87000 (A)	85-	5	84-	4	90	1	53	3	54	-6	122	3721
TH890005 (A)	87-	5	89-	4	82	1	57	3	51	-6	143	3175
Torro	91-	13	90-	12	97	1	52	5	64	-4	149	3047
<b>Previously tested varieties (Yield and agronomic data only directly comparable to McLeod)</b>												
900Y61 	XX	XX	90-	11	XX	XX	54	7	56	1	150	3024
NSC Moosomin	XX	XX	78-	11	XX	XX	53	6	49	-4	138	3287
NSC Reston	XX	XX	103	11	XX	XX	54	8	61	-2	128	3544
NSC Vito	XX	XX	89-	11	XX	XX	53	7	71	0	132	3436
P001T34 	XX	XX	65-	11	XX	XX	53	5	46	-9	136	3335
Pekko	XX	XX	102	11	XX	XX	57	9	65	0	130	3489

**Remarks:** Straight combining is commonly used method of harvest. Swathing soybean can result in excessive field losses (up to 25%) due to shattering. Approximately four beans or one to two pods per square foot represent a yield loss of one bushel per acre. New names: Mani (CFS17.1.04); NSC Newton (NSC Belmont); Nocoma (CFS17.1.03). Varieties removed from the table: Dylano; DKB0008-39; DKB003-29; Lono; Marduk; NSC Star City; S001; TH37004; TH87003 and TH88005. Four trials: Bow Island, Brooks Lethbridge and Medicine Hat were grown under irrigation. And one dry land site in Stettler, Area 5. A - first year entries (2018). <sup>1</sup>Yields are reported relative to McLeod, yields that are statistically higher (+) or lower (-) than the check are indicated. <sup>2</sup>Distance from the ground level to lowest pod tip. <sup>3</sup>Maturity is reported as +/- days relative to McLeod - averaged across the Brooks, Bow Island and Medicine Hat trials. <sup>4</sup>TSW: Thousand Seed Weight.