



Practical Information for Alberta's Agriculture Industry

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Varieties of Pulse Crops for Alberta

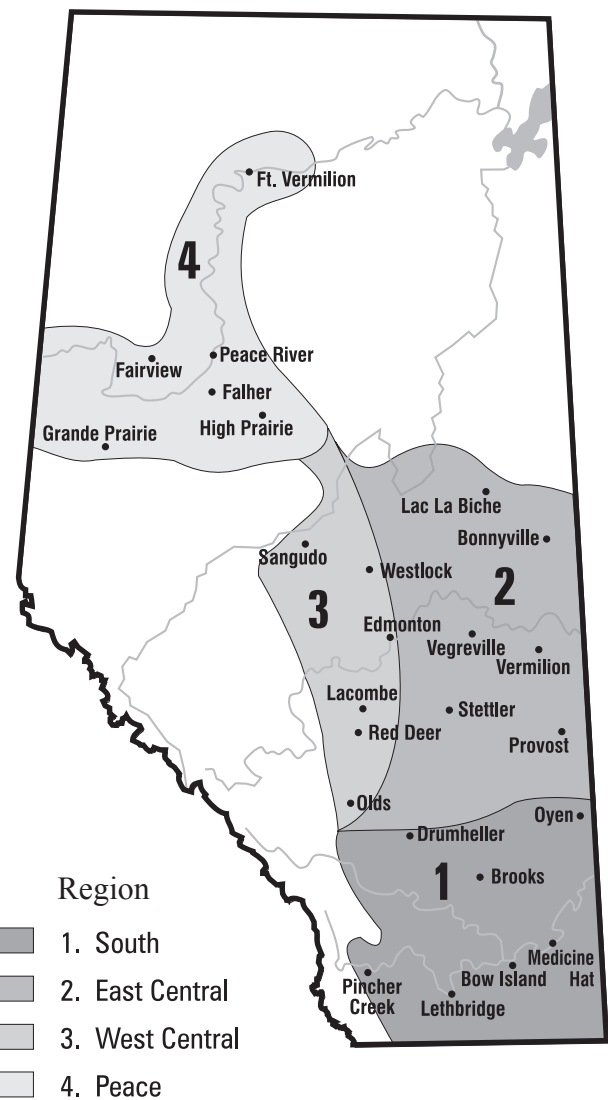
This publication provides information on pulse variety performance within Alberta and northeastern British Columbia.

Funding for the testing program is provided by Agriculture and Agri-Food Canada, Alberta Agriculture and Rural Development, Alberta Pulse Growers Commission, the Alberta Seed Growers' Association and entry fees for the varieties.

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- Agricultural Research and Extension Council of Alberta
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Sincere thanks to all individuals who seeded, maintained, took field data, harvested and processed pulse samples from the variety trials. As well, the hard work of the crop co-ordinators, Alberta Pulse Growers staff, Alberta Agriculture staff and pulse breeders who reviewed the results of the testing and updated diseases and other agronomic information must be mentioned. Finally, about two thirds of the trials were Alberta producers' fields, and their co-operation and dedication are appreciated.



Variety testing procedures

The Regional Variety Trials examine seed yield as well as other data such as plant height, standability at physiological maturity, disease reaction and thousand seed weight. Varieties within each table are arranged in alphabetical order. The check variety for each crop type is displayed in bold at the top of the table. Cultivar yield data is shown as per cent of the check, and the station years of testing column is located beside the yield.

Caution is advised when interpreting the data with respect to new varieties that have not been fully tested.

In 2011, eighteen green and yellow pea sites were established across Alberta and two sites in northeastern British Columbia. Sites in Alberta consisted of four green cultivars plus a check (Cooper) and seven yellow plus a check (Cutlass) replicated four times in a randomized complete block design.

The year 2011 was excellent for growing chickpea trials. Five desi and five kabuli varieties plus checks (Myles and CDC Frontier) were grown at Bow Island, Brooks, Lethbridge and Medicine Hat. All the chickpea variety trials were harvested successfully.


Lentil trials were grown at Bow Island, Brooks, Lethbridge, Medicine Hat and Killam (late only) as separate early and late trials. The early trial had sixteen varieties plus a check (CDC Redberry), and the late trial included six varieties plus a check (CDC Plato).

Wide row dry bean trials were successfully grown at Bow Island, Lethbridge and Vauxhall. Narrow row dry bean trials were grown at two sites: Lethbridge and Vauxhall. There were twelve varieties including checks in both trials, and all were grown under irrigation.

No fababean regional trials were grown in 2011 due to no new varieties being registered.

Variety choice should not be based solely on yield. Producers are encouraged to consider other characteristics, such as maturity and disease resistance, when considering a new variety. In addition, factors such as expected growth season rainfall, soil moisture status, disease forecasts, soil fertility and weed pressure will affect the specific yield.

Plant Breeder's Rights

The use of the Plant Breeder's Rights (PBR) logo  indicates the variety is protected by law, and the seed of this cultivar cannot be sold for seed purposes without permission and royalty payment.

Variety tables

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For more information

For additional variety information, including varieties not listed in this factsheet, check the Alberta Agriculture website (www.agriculture.alberta.ca), or call the Alberta Ag-Info Centre toll-free at 310-FARM (3276).

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FIELD PEA – YELLOW

Region (see map)

Variety	Region (see map)												Agronomic Characteristics									
	South						East Central						West Central						Maturity rating ¹	Vine length (cm)	TSW ² (g)	Standability ³ (1 – 9)
	Irrigation		Dryland		East Central		West Central		Peace		Total site years		Overall yield (%)									
Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %					
RELATIVE YIELD AS % OF CUTLASS: 2003 – 2011																						
Cutlass (kg/ha)	3934	3188	3436	5568	4600	4200																
Cutlass ϕ	XX 100	26 100	38 100	25 100	54 100	144 100																
Argus ϕ	XX XX	7 100	9 112	3 103	10 102	29 105																
Canstar ϕ	XX XX	15 98	24 106	15 103	26 102	80 102																
CDC Hornet	XX XX	10 101	12 114	6 110	15 103	43 107																
CDC Meadow	XX XX	13 104	19 116	11 106	26 108	69 109																
CDC Saffron (A)	XX XX	5 108	4 114	1 111	5 96	15 106																
Hugo ϕ	XX XX	7 111	9 107	3 106	12 104	31 107																
Stella ϕ (NR) (F)	XX XX	7 76	9 95	3 94	10 82	29 86																
FULLY TESTED VARIETIES																						
Cutlass ϕ	100	100	100	100	100	100																
Agassiz ϕ	XX XX	6 100	11 102	9 102	16 104	42 103																
CDC Centennial	XX XX	5 101	12 99	9 104	14 100	40 101																
CDC Prosper (NR)	XX XX	6 93	12 97	8 97	15 99	41 97																
CDC Treasure (NR)	XX XX	6 96	12 105	8 98	15 100	41 101																
DS-Admiral ϕ	1 91	13 97	18 108	13 98	24 104	69 102																
Eclipse ϕ	1 113	20 106	41 104	25 97	45 101	136 102																
Polstead ϕ	XX XX	5 97	12 99	9 99	16 104	42 101																
Reward ϕ	XX XX	5 86	12 106	9 102	13 101	39 101																
SW Midas ϕ	XX XX	10 103	17 106	11 91	21 99	59 100																
Thunderbird	XX XX	6 89	11 96	9 99	13 99	39 97																

Remarks: ϕ = Indicates variety with Plant Breeder's Rights; A = First year entries (2011); NR = Variety not registered with CFIA; F = Forage type. XX = No data available.

New names: CDC Saffron (CDC 2093-22), Stella is a silage type pea. CDC 1897-14, DS-Stalwarth, Eiffel, Miser and Noble dropped.

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

FIELD PEA – YELLOW

Region (see map)

Variety	Region (see map)												Agronomic Characteristics				
	South				East Central				West Central				Maturity rating ¹	Vine length (cm)	TSW ² (g)	Standability ³ (1-9)	
	Irrigation	Site years	Yield %	Dryland	Site years	Yield %	Central	Site years	Yield %	Peace	Site years	Yield %					Total site years
Carrera (kg/ha)	4459		2593		2926		5098		3986				3677				
Carrera ♂	6	100	14	100	28	100	15	100	33	100	96	96	100	E	52	260	4.6
CDC Bronco	1	93	11	91	14	102	8	94	15	117	49	49	102	M	63	220	4.1
CDC Golden	1	109	11	101	14	105	8	102	15	109	49	49	105	M	68	220	3.4
CDC Handel	2	116	8	95	17	94	7	87	14	102	48	48	96	L	67	200	6.2
CDC Minuet	5	115	12	97	26	100	11	92	22	111	76	76	102	M	64	190	4.9
CDC Mozart	2	110	8	108	17	100	7	97	14	105	48	48	103	M	61	240	5.9

FULLY TESTED VARIETIES (RELATIVE YIELD AS % OF CARRERA): 2000 – 2005

Remarks: ♂ = Indicates variety with Plant Breeder's Rights; A = First year entries (2011); NR = Variety not registered with CFIA; F = Forage type. XX = No data available.

New names: CDC Saffron (CDC 2093-22). Stella is a silage type pea. CDC 1897-14, DS-Stalwarth, Eiffel, Miser and Noble dropped.

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

FIELD PEA – YELLOW (continued)

Resistance to: ⁴

	Powdery Mildew	Myc. Blight	Fusarium Wilt	Seed Coat Breakage	Seed Coat Dimpling ⁵	Green Seed Coat ⁶
Cutlass ◊	VG	F	F	F	F	G
Argus ◊	VG	F	F	F	F	G
Canstar ◊	VG	P	G	G	G	G
CDC Hornet	VG	F	F	F	F	G
CDC Meadow	VG	F	F	G	G	G
CDC Saffron (A)	VG	F	F	G	VG	G
Hugo ◊	VG	F	F	G	F	F
Stella ◊ (NR) (F)	VG	F	F	G	G	F

FULLY TESTED VARIETIES

Cutlass ◊	VG	F	F	F	F	G
Agassiz ◊	VG	F	F	G	VG	G
CDC Centennial	VG	F	G	G	G	F
CDC Prosper (NR)	VG	F	G	G	F	G
CDC Treasure (NR)	VG	F	F	G	F	F
DS-Admiral ◊	VG	P	F	F	G	F
Eclipse ◊	VG	F	F	G	F	G
Polstead ◊	VG	P	P	F	VG	F
Reward ◊	VG	F	F	G	VG	F
SW Midas ◊	VG	P	F	G	G	G
Thunderbird	VG	F	F	G	VG	XX

FULLY TESTED VARIETIES (RELATIVE YIELD AS % OF CARRERA): 2000 – 2005

Carrera ◊	P	P	F	F	G	XX
CDC Bronco	VG	F	F	G	G	G
CDC Golden	VG	F	F	G	G	G
CDC Handel	VG	F	P	G	G	F
CDC Minuet	VG	F	F	F	G	F
CDC Mozart	VG	F	F	G	G	F

Remarks: ◊ = Indicates variety with Plant Breeder's Rights; A = First year entries (2011); NR = Variety not registered with CFIA; F = Forage type. XX = No data available.

New names: CDC Saffron (CDC 2093-22). Stella is a silage type pea. CDC 1897-14, DS-Stalwarth, Eiffel, Miser and Noble dropped.

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

FIELD PEA – GREEN

Region (see map)

Variety	Region (see map)												Agronomic Characteristics							
	South				East Central				West Central				Peace				Maturity rating ¹	Vine length (cm)	TSW ² (g)	Stability ³ (1 – 9)
	Irrigation	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %	Site years	Yield %	Overall Yield (%)				
RELATIVE YIELD AS % OF COOPER: 2004 – 2011																				
Cooper (kg/ha)		XX	4230		3759	5884		4741							4586					
Cooper ϕ	XX	XX	18	100	33	100	21	100	40	100	40	100	111	100	100	L	75	273	4	
CDC Patrick	XX	XX	10	104	17	99	10	98	22	98	22	98	58	99		M	84	189	4.5	
CDC Pluto (A)	XX	XX	5	92	4	95	2	82	7	89	7	89	17	89		M	94	173	5.5	
CDC Raezer (A)	XX	XX	5	91	4	120	2	97	7	97	7	97	17	97		M	103	225	3.5	
CDC Tetris (A)	XX	XX	5	90	4	114	2	90	7	91	7	91	17	94		L	105	216	4	
FULLY TESTED VARIETIES: RELATIVE YIELD AS % OF NITOUCHE: 2000 – 2009																				
Nitouche (kg/ha)		4586	2568		2955	5047		3914							3601					
Nitouche	6	100	18	100	45	100	27	100	53	100	53	100	149	100	100	M	69	270	3.4	
Cooper ϕ	XX	XX	12	105	23	102	17	111	29	108	29	108	81	107		L	70	280	2.9	
CDC Sage	XX	XX	5	80	8	86	8	97	13	91	13	91	34	90		M	71	220	3.1	
CDC Striker	1	71	8	90	19	95	8	95	21	95	21	95	59	94		M	66	240	2.9	
Mendel ϕ	XX	XX	1	96	6	99	2	94	12	99	12	99	21	99		M	75	214	3.8	

Remarks: ϕ = Indicates variety with Plant Breeder's Rights; A = First year entries (2011); NR = Variety not registered with CFIA; XX = No data available.

New names: CDC Raezer (CDC 2235-4). CDC Tetris is an Espace type with blocky seed shape. Camry, CDC 1932-201, Stratus, SW Parade and Tamora dropped.

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

FIELD PEA – GREEN (continued)

Variety	Resistance to: ⁴					
	Powdery Mildew	Myco. Blight	Fusarium Wilt	Bleaching	Seed Coat Breakage	Seed Coat Dimpling ⁵
Cooper ⚡	VG	F	F	G	F	G
CDC Patrick	VG	F	G	G	G	G
CDC Pluto (A)	VG	F	F	G	G	G
CDC Raezer (A)	VG	F	G	G	G	G
CDC Tetris (A)	VG	F	G	G	G	G

FULLY TESTED VARIETIES: RELATIVE YIELD AS % OF NITOUCHE: 2000 – 2009

Nitouche	P	P	P	G	F	F
Cooper ⚡	VG	F	F	G	F	G
CDC Sage	VG	F	G	G	VG	G
CDC Striker	P	F	G	G	G	F
Mendel ⚡	VG	F	F	G	F	G

Remarks: ⚡ = Indicates variety with Plant Breeder's Rights; A = First year entries (2011); NR = Variety not registered with CFIA; XX = No data available.

New names: CDC Raezer (CDC 2235-4). CDC Tetris is an Espace type with blocky seed shape. Camry, CDC 1932-201, Stratus, SW Parade and Tamora dropped.

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

DRY BEANS – NARROW ROW

Variety	Type	Site years 1997-2011 ¹	Yield (% of check)	Days to bloom ²	Days to maturity	TSW ³ (g)	Plant height (cm)	Lodging ⁴ (1-5)	Growth habit ⁵
AC Black Diamond (kg/ha)	Black Shiny		2730						
AC Black Diamond	Black Shiny	15	100%	56	102	254	38	2.4	II
AC Black Violet	Black Matte	8	87	59	6	165	42	2.3	II
AC Island (kg/ha)	Pinto		2560						
AC Island	Pinto	5	100%	60	104	344	44	2.9	II
CDC WM-1	Pinto	1	75	59	-11	347	35	2.8	II
CDC WM-2	Pinto	2	62	60	0	348	47	2.5	II
Medicine Hat (A)	Pinto	1	111	63	7	355	53	2	II
Winchester	Pinto	2	83	58	1	335	49	2.6	II
AC Polaris (kg/ha)	Great Northern		2811						
AC Polaris	Great Northern	16	100%	56	103	304	39	3.5	II
AC Alert	Great Northern	12	96	56	1	333	48	2.8	II
AC Resolute	Great Northern	12	92	54	-4	333	40	2.4	II
L 06E613 (A)	Great Northern	1	92	50	12	355	42	2.2	II
AC Redbond (kg/ha)	Small Red		2522						
AC Redbond	Small Red	16	100%	51	100	302	39	2.3	II
Arikara Yellow (kg/ha)	Yellow		2300						
Arikara Yellow	Yellow	13	100%	50	98	389	36	1.9	I
CDC Sol	Yellow	1	57	51	1	401	36	1.5	I
Viva (kg/ha)	Pink		2219						
Viva	Pink	14	100%	52	99	248	32	3.5	III

Remarks: A = First year entries (2011); ¹ Trials failed in 2010; ² Days to bloom from seeding; ³ Thousand Seed Weight; ⁴ Lodging: 1 = erect, 5 = flat; ⁵ Growth habit: I = determinate bush, II = indeterminate bush, III = indeterminate prostrate.

DRY BEANS – WIDE ROW

Variety	Type	Site years 1997-2011 ¹	Yield (% of check)	Days to bloom ²	Days to maturity	TSW ³ (g)	Plant height (cm)	Lodging ⁴ (1-5)	Growth habit ⁵
AC Black Diamond (kg/ha)	Black Shiny		2946						
AC Black Diamond	Black Shiny	36	100%	57	104	263	39	2.1	II
AC Black Violet	Black Matte	28	83	61	4	175	41	2.0	II
AC Island (kg/ha)	Pinto		3564						
AC Island	Pinto	10	100%	57	103	362	41	2.8	II
CDC WM-1	Pinto	3	64	60	-5	332	36	1.9	II
CDC WM-2	Pinto	5	70	59	-3	362	45	1.5	II
Medicine Hat (A)	Pinto	3	82	68	1	334	41	1.3	II
Othello	Pinto	8	90	58	0	353	36	3.5	III
Pecos	Pinto	3	87	54	3	314	48	2.5	III
Winchester	Pinto	10	87	55	-2	339	40	2.3	II
AC Polaris (kg/ha)	Great Northern		3167						
AC Polaris	Great Northern	36	100%	56	105	313	41	3.5	II
AC Resolute	Great Northern	19	94	53	-4	340	42	2.3	II
L 06E613 (A)	Great Northern	2	100	65	8	358	46	2.9	II
AC Redbond (kg/ha)	Small Red		3208						
AC Redbond	Small Red	36	100%	53	101	318	41	2.4	II
Myasi (kg/ha)	Yellow		1735						
Myasi	Yellow	2	100%	67	115	377	23	1.0	I
CDC Sol	Yellow	2	119	66	-7	441	35	1.0	I
Viva (kg/ha)	Pink		3033						
Viva	Pink	37	100	55	104	255	36	3.6	III

Remarks: A = First year entries (2011); ¹ Trials failed in 2010; ² Days to bloom from seeding; ³ Thousand Seed Weight; ⁴ Lodging: 1 = erect, 5 = flat; ⁵ Growth habit: I = determinate bush, II = indeterminate bush, III = indeterminate vine.

LENTIL - EARLY

Variety	Region (see map)												Agronomic Characteristics				Disease Resistance ⁶		
	South			East			West			Total site years	Average yield (%)	TSW ¹ (g)	Plant height (cm)	Maturity rating ²	Cotyledon colour ³	Seed coat colour ⁴		Market class ⁵	Ascochyta Anthracnose
	Site years	Yield (%)	Central	Site years	Yield (%)	Central	Site years	Yield (%)	Central										

RELATIVE YIELD AS % OF REDBERRY: 2004 - 2011

CDC Redberry (kg/ha)	2500	1211	3968	2109	2292														
CDC Redberry	10	100	1	100	1	100	15	100	100	43	36	E	R	GR	SR	G			
CDC Blaze (R)	5	98	3	97	1	66	10	85-	85-	38	30	E-M	R	GR	SR	G			
CDC Cherie (A)	3	108	XX	XX	XX	XX	3	108	108	41	35	E-M	R	G	SR	G			
CDC Dazil (A)	3	102	XX	XX	XX	XX	3	102	102	36	37	E-M	R	GR	SR	G			
CDC Imax (CL)	4	105	XX	XX	XX	XX	4	105	105	45	40	E-M	R	GR	SR	G			
CDC Impact (R; CL)	7	86-	1	72	XX	XX	8	84-	84-	36	37	E	R	GR	SR	G			
CDC Impala (CL)	5	103	XX	XX	XX	XX	5	103	103	30	37	E	R	GR	ESR	G			
CDC Imperial (R; CL)	7	85-	1	110	XX	XX	8	88-	88-	29	38	E	R	GR/BR	ESR	G			
CDC Invincible (CL)	4	108	XX	XX	XX	XX	4	108	108	33	37	E	Y	G	SG	G			
CDC Maxim (R; CL)	5	110	XX	XX	XX	XX	5	110	110	42	34	E-M	R	GR	SR	G			
CDC Milestone (R)	15	107	3	92	1	58	18	100	100	39	32	E	Y	G	SG	G			
CDC Peridot (CL)	1	116	XX	XX	XX	XX	1	116	116	37	XX	E	Y	MRB	FG	F			
CDC Redbow	5	108	XX	XX	XX	XX	5	108	108	32	39	E	R	GR	ESR	G			
CDC Redcliff (A)	3	119	XX	XX	XX	XX	3	119	119	39	38	E-M	R	GR	SR	G			
CDC Redcoat	5	107	XX	XX	XX	XX	5	107	107	42	35	E	R	GR	SR	G			
CDC Robin (R)	10	91-	3	83	1	65	15	87-	87-	28	34	E	R	BR	ESR	G			
CDC Rosebud	5	107	XX	XX	XX	XX	5	107	107	30	37	E	R	T	ESR	G			
CDC Rosetown	7	113	1	95	XX	XX	8	111	111	31	40	E	R	GR	ESR	G			
CDC Rouleau (R)	3	103	1	105	XX	XX	5	106	106	37	37	M	R	GR	SR	G			
CDC Ruby (A)	3	95	XX	XX	XX	XX	3	95	95	28	33	E	R	GR	ESR	G			
CDC Viceroy (R)	10	108	3	106	1	94	13	108	108	35	33	E	Y	G	SG	G			
Crimson (R)	6	100	2	56	1	42	10	82	82	39	27	E	R	BR	SR	VP			
Eston (R)	3	93	1	95	XX	XX	5	89	89	34	35	E	Y	G	SG	VP			
Pardina	1	106	XX	XX	XX	XX	1	106	106	40	XX	X	Y	GR/DT	SB	VP			

Remarks: R = Registered with CFIA; CL = Clearfield variety; ¹ Thousand Seed Weight; g; ² Maturity: E = Early, M = Medium, L = Late, VL = Very Late; ³ Cotyledon Color: R = Red, Y = Yellow, G = Green; ⁴ Seed Coat Color/Pattern: G = Green, GR = Grey, BR = Brown, FG = French Green, T = Tan, MRB = Marbled, DT = Dotted; ⁵ Market Class: SG = Small Green, MG = Medium Green, LG = Large Green, FG = French Green, ESR = Extra Small Red, SR = Small Red, LR = Large Red, GC = Green Cotyledon, SB = Spanish Brown; ⁶ Disease resistance: VP = Very Poor, P = Poor, F = Fair, G = Good; XX - No data.

Weight, diameter and thickness of lentil seeds will vary depending on environmental conditions and agronomic factors.

LENTIL - L A T E

Variety	Region (see map)						Agronomic Characteristics						Disease Resistance ⁶			
	South		East		West		Total site years	Average yield	TSW ¹ (g)	Plant height (cm)	Maturity rating ²	Cotyledon colour ³	Seed coat colour ⁴	Market class ⁵	Ascochyta	Anthracnose
	Site years	Yield (%)	Site years	Yield (%)	Site years	Yield (%)										
RELATIVE YIELD AS % OF PLATO: 2003 – 2011																
CDC Plato (kg/ha)	2097						1762	2036								
CDC Plato	19	100	XX	100	XX	100	XX	100	XX	100	XX	100	XX	100	XX	100
CDC Glamis (R)	6	90	XX	XX	XX	XX	2	104	92	35	VL	Y	G	LG	G	VP
CDC Grandora (R)	3	81	XX	XX	XX	XX	XX	XX	87	44	L	Y	G	LG	G	VP
CDC Greenland (R)	11	87	XX	XX	XX	XX	XX	XX	90	36	M-L	Y	G	LG	G	VP
CDC Imigreen (CL)	7	86	XX	XX	XX	XX	XX	XX	89	39	M	Y	G	MG	G	VP
CDC Impower (CL)	7	97	XX	XX	XX	XX	XX	XX	100	38	ML	Y	G	LG	G	VP
CDC Impress (R; CL)	9	95	XX	XX	XX	XX	XX	XX	98	34	M	Y	G	MG	G	P
CDC Improve (R; CL)	11	93	XX	XX	XX	XX	XX	XX	96	37	M	Y	G	LG	F	VP
CDC KR-1	8	117+	XX	XX	XX	XX	XX	XX	120+	37	M	R	GR	LR	G	G
CDC Meteor (R)	6	100	XX	XX	XX	XX	1	88	96	41	M	Y	G	MG	G	VP
CDC QG-1	4	99	XX	XX	XX	XX	XX	XX	105	28	M	G	G	GC	XX	XX
CDC Richlea (R)	6	104	XX	XX	XX	XX	XX	XX	111	37	M	Y	G	MG	VP	VP
CDC Sedley (R)	6	96	XX	XX	XX	XX	1	103	95	30	M	Y	G	LG	F	VP
CDC Sovereign (R)	8	83	XX	XX	XX	XX	2	102	87-	40	L	Y	G	LG	G	P
CDC Vantage (R)	6	97	XX	XX	XX	XX	2	100	97	33	M	Y	G	MG	G	VP
Laird	12	84	XX	XX	XX	XX	2	101	88-	38	VL	Y	G	LG	VP	VP

Remarks: R = Registered with CFIA; CL = Clearfield variety; ¹ Thousand Seed Weight; g; ² Maturity; E = Early, M = Medium, L = Late, VL = Very Late; ³ Cotyledon Color: R = Red, Y = Yellow, G = Green; ⁴ Seed Coat Color/Pattern: G = Green, GR = Grey, BR = Brown, FG = French Green, T = Tan, MRB = Marbled, DT = Dotted; ⁵ Market Class: SG = Small Green, MG = Medium Green, LG = Large Green, FG = French Green, ESR = Extra Small Red, SR = Small Red, LR = Large Red, GC = Green Cotyledon, SB = Spanish Brown; ⁶ Disease resistance: VP = Very Poor, P = Poor, F = Fair, G = Good, XX = No data.

Weight, diameter and thickness of lentil seeds will vary depending on environmental conditions and agronomic factors.

F A B A B E A N

Variety	Site years 2000-2008 ¹	Relative yield (% of Earlibird) 2000-2008	Relative maturity ²	Plant height (cm)	Thousand seed weight (g)	Flower colour ³
Earlibird (KG/HA)		5462				
Earlibird ☉	27	100	E	86	540	C
CDC Blitz (R)	37	98	ML	96	460	C
CDC Fatima (R)	31	94	M	92	530	C
Snowbird ☉	24	105	E	93	530	W

FULLY TESTED VARIETIES

Aladin (R)	Fully Tested	82	L	100	430	C
Ben ☉	Fully Tested	110	E	101	580	C
Cresta	Fully Tested	98	M	86	590	W
Hertz Freya	Fully Tested	80	L	111	400	C
Orion (R)	Fully Tested	84	M	77	350	C
Outlook	Fully Tested	92	L	100	370	C
Pegasus	Fully Tested	88	L	99	390	C
Scirocco	Fully Tested	104	ML	89	580	C

Remarks: Varieties with more than ten site years are Fully Tested. Fully Tested varieties not tested in 2008. ☉ = Indicates varieties with Plant Breeders Rights; R = Registered with CFIA; ¹ No trials in 2011. Trials failed in 2010. ² Maturity: E = early, M = medium, ML = medium late, L = late; ³ Flower Colour: W = white flower, zero tannin, C = colored flower, tannin. 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.

C H I C K P E A - D E S I

Variety	Region (see map)							Agronomic Characteristics				
	South		East Central		Peace		Total site years	Average yield	TSW ²	Maturity rating ³	Plant height (cm)	Resistance to Ascochyta ⁴
	Site years	Yield %	Site years	Yield %	Site years	Yield %						
Myles (kg/ha)		2782		1613		1598		2453				
Myles	13	100	4	100	2	100	19	100	208	M	39	F
1064 - 21 (A)	2	109	XX	XX	XX	XX	2	109	237	M	38	F
CDC Anna	11	110	3	105	2	75	16	105	200	M	42	F
CDC Cabri	14	111	3	95	2	88	19	106	330	E	42	F
CDC Corinne	4	124	XX	XX	XX	XX	4	124	240	M	34	F
CDC Cory (A)	2	113	XX	XX	XX	XX	2	113	250	M	39	F
CDC Desiray	11	105	3	94	2	109	15	103	200	M	38	F
CDC Nika	11	114+	3	106	2	72	15	107	320	E	43	F
CDC Vanguard	6	112	1	108	XX	XX	7	112	230	ML	39	F

RELATIVE YIELD AS % OF MYLES: 2003 – 2011 ¹

Variety	Region (see map)							Agronomic Characteristics				
	South		East Central		Peace		Total site years	Average yield	TSW ²	Maturity rating ³	Plant height (cm)	Resistance to Ascochyta ⁴
	Site years	Yield %	Site years	Yield %	Site years	Yield %						
CDC Frontier (kg/ha)		3649		1971		1506		3078				
CDC Frontier	14	100	3	100	2	100	19	100	350	L	43	F
1041 - 3 (A)	4	87-	XX	XX	XX	XX	4	87-	441	ML	41	F
Amit (R)	14	89-	3	89	2	91-	19	90-	260	L	44	F
CDC Alma (A)	4	83-	XX	XX	XX	XX	4	83-	350	ML	39	VP
CDC Chichi	6	77	2	75	XX	XX	8	77	360	M	47	P
CDC Chico	6	84	2	94	XX	XX	8	87	250	E	46	VP
CDC Diva	10	70	3	65	2	84	15	71-	460	L	41	F
CDC Luna	4	91-	XX	XX	XX	XX	4	91-	370	ML	41	P
CDC Orion (A)	4	86-	XX	XX	XX	XX	4	86-	430	ML	39	P
CDC Xena	10	74	3	63	2	68	15	72-	450	L	41	VP
CDC Yuma	10	75-	3	70	2	69	15	73-	430	L	45	P
Sanford	10	71	3	65	2	56	15	69-	400	L	47	VP

RELATIVE YIELD AS % OF CDC FRONTIER: 2003 – 2011 ¹

CDC Frontier (kg/ha)		3649		1971		1506		3078				
CDC Frontier	14	100	3	100	2	100	19	100	350	L	43	F
1041 - 3 (A)	4	87-	XX	XX	XX	XX	4	87-	441	ML	41	F
Amit (R)	14	89-	3	89	2	91-	19	90-	260	L	44	F
CDC Alma (A)	4	83-	XX	XX	XX	XX	4	83-	350	ML	39	VP
CDC Chichi	6	77	2	75	XX	XX	8	77	360	M	47	P
CDC Chico	6	84	2	94	XX	XX	8	87	250	E	46	VP
CDC Diva	10	70	3	65	2	84	15	71-	460	L	41	F
CDC Luna	4	91-	XX	XX	XX	XX	4	91-	370	ML	41	P
CDC Orion (A)	4	86-	XX	XX	XX	XX	4	86-	430	ML	39	P
CDC Xena	10	74	3	63	2	68	15	72-	450	L	41	VP
CDC Yuma	10	75-	3	70	2	69	15	73-	430	L	45	P
Sanford	10	71	3	65	2	56	15	69-	400	L	47	VP

Remarks: A = first year entries (2011); ¹ Trials failed in 2010 due to wet and late season; ² Thousand Seed Weight: g; ³ Maturity Rating: E = Early, M = Medium, ML = Medium Late, L = Late; ⁴ Resistance to Ascochyta: VP = Very Poor, P = Poor, F = Fair; XX - No data. New check - CDC Frontier (previously Sanford).