### **Variety Description Key**

A "CHECK CHARACTERISTICS" box has been placed at the bottom of each table for fababean, field beans and lentil to display the long term yield, # of site years, maturity and any other check attributes.

The grey box has been placed at the bottom of field peas displaying the "GRAND MEAN" for Yield (bu/acre) and the corresponding LSD value (p <0.05).

Except for the long term average yield, variety description information was obtained from the Co-operative Registration Trials. For Relative Maturity, please keep in mind the actual number of days to reach maturity will depend on local climactic conditions and to some extent on management practices.

"Resistance Level" ratings: VG = Very Good; G = Good; F = Fair; P = Poor; VP = Very Poor; "n/a" = not available

Site Years Tested is the cumulative number of locations over the years that a variety has been tested against the check variety. The more site years, the more dependable the data.

Indicates a variety that is protected by Plant Breeder's Rights or a variety where protection has been applied for but not yet granted at time of printing.

TKW (Thousand Kernel Weight) is the weight in grams of 1000 seeds.

## **Key to 2013 Yield Tables**

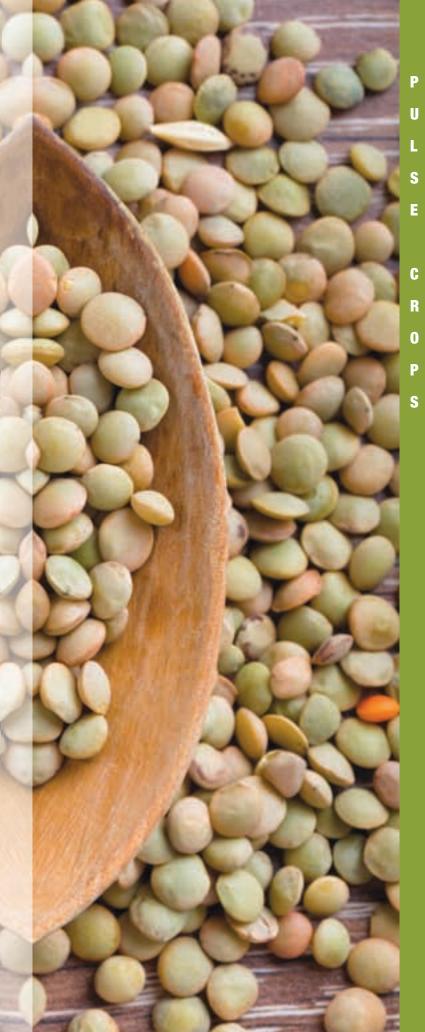
Yields derived over 2 or more growing seasons are the best indicator of variety performance. For new varieties, the average yield over all sites is more reliable than data from a single location. Use single site year data with caution.

CV % = Coefficient of Variation. A measure of random variation in a trial. A low CV is desirable.

LSD = Least Significant Difference. Varieties must differ by the LSD to be considered significantly different from one another.

Sign Diff = Significant Difference. Indicates if a real difference exists between varieties at an individual site.

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Smart farmers read the fine print.

# Manitoba Agriculture, Food and Rural Development Variety Guide

**FABABEANS** 

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#### Comments:

The fababean variety trial was tested by MCVET and partially sponsored by the Manitoba Pulse Growers Association.

#### **Variety Descriptions**

Variety	Yield % Check	Site Years Tested	Type <sup>1</sup>	Seed Size TKW (g)	Tannin <sup>1</sup> 2013 Yield % of CDC Fatima Roblin	Zero Tannin <sup>1</sup> 2013 Yield % of Snowbird Roblin
CDC Snowdrop	4942	6	Zero Tannin	335	_	91
CDC SSNS-1	5257	9	Tannin	350	89	_
CDC Fatima	3764	31	Tannin	523	100	_
Florent	5183	8	Tannin	523	_	_
Snowbird@	5339	9	Zero Tannin	502	_	100
Taboar@	4184	11	Tannin	471	101	_
CHECK CHARACTERI	STICS		CDC Fatima (lb/	acre)	8099	
CDC Fatima (tannin)	3764	31	CV %	•	6.0	
			LSD (%)		10	
			Sign Diff		Yes	
			Snowbird (lb/ac	re)		8448
Snowbird (zero tannin)	5339	9	CV%			4.0
			LSD (%)			7
			Sign Diff			Yes

<sup>1</sup> Traditionally tannin fababean, tan coloured seed coats contain tannins and can't be fed directly to livestock. Zero tannin fababeans have white seed coats and can be fed directly to livestock.



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# FIELD BEANS — Western Manitoba Adaptation Trials (formerly called Narrow Row trials)

#### Comments:

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Long term yield data and days to maturity are from Manitoba Pulse Growers Association Trials grown in 10 to 12 inch row spacing.

More detailed measurements from the trials are available to MPGA members and will be distributed in the December Special Edition of the Pulse Beat magazine.

Days to maturity is critical. Do not select a variety that will not mature in time, under normal growing conditions. Early fall frost severely affects yield and quality.

#### **Variety Descriptions**

						Yield	Site		
			Years	Tested	<u> </u>	%	Years	Days to <sup>1</sup>	Plant <sup>2</sup>
Bean Class	Variety	2013	2012	2011	2010	Check	Tested	Maturity	Туре
Small Seeded	Types					% of Envoy		+/- Envoy	
Navy	Envoy	х	х	х	Х	100	36	0	
Navy	Lightning	Х	х	х	Х	112	8	2	II
Navy	OAC Spark	х	х	х		111	5	-6	
Navy	Portage	х				78	3	2	II
Black	Carman Black	Х	Х	Х		132	8	1	II
Black	CDC Jet	Х	Х	Х	Х	110	27	2	II
Black	CDC Superjet	х	х	х		115	6	1	II
Black	CDC Blackcomb	Х	Х	Х	Х	126	8	-2	II
Large Seeded Types						% CDC Pintium		+/- CDC Pintium	
Pinto	CDC Pintium	Х	х	Х	Х	100	36	0	
Pinto	Winchester	Χ	х			118	7	7	II
Pinto	Island	Х	Х	Х	Х	118	10	6	II
Pinto	Mariah 🗆	х	х	х	Х	130	8	6	II
Pinto	Winmor	Х	Х	Х	Х	122	7	6	II
Pinto	CDC Marmot (2537-12)	Х	Х			113	6	4	I
Pinto	CDC WM-2®	Х	х	Х	Х	128	8	6	III
Varieties that	are registered in the US of	r bein	a teste	d or p	roposed	d for registration in	Canada		
Navy	1190m-13	х	X	х		114	13	-3	III
Navy	2918-25	х				123	3	-5	II
Black	2921-14	Х				139	3	-7	ii
CHECK CHAR	RACTERISTICS					Yield	Site	Days to	
	Bean Grouping		Ch	eck Va	rieties	(lbs/acre)	Years	Maturity	
	Small seeded			Envoy		1892	36	101	
	Large seeded		CI	DC Pint		2040	36	98	

<sup>1</sup> Maturity data provided to compare relative differences among varieties - actual maturity will vary depending on seasonal growing conditions.

#### FIELD BEANS — Wide Row Trials

#### Varieties or Lines Tested for the First Time in 2013

Navy: Nautica, Bolt, NAVC6V1200

Black: BlackJack, BKBC6V 1312, GTS 1103, cob 2159-00

Dark Red Kidney 1030, 1013 Light Red Kidney: Krimson, 1031

#### Comments:

Individual site and more detailed measurements from these trials are available to Manitoba Pulse Growers Association (MPGA) members and are distributed free in the Winter Edition of the Manitoba Pulse Beat to all MPGA members in good standing.

Long term yield data and days to maturity are from Manitoba Pulse Growers Association Trials conducted by Agriculture and Agri-food Canada. Results are from row crop trials located at Morden, Portage, Carman/Graysville, and Winkler/Plum Coulee sites.

dfm - variety did not fully mature -Days to maturity is critical. Do not select a variety that will not mature in time, under normal growing conditions. Early fall frost severely affects yield and quality. Consult your local MASC agent for information on insurability of edible beans in your area.

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<sup>2</sup> Growth Habit: I - determinate bush, II - indeterminate bush, III - indeterminate vine

## Variety Descriptions<sup>1</sup>

			ars Tes			Yield	Site Years	Days to Maturity <sup>2</sup>
MARKET CLASS/Variety	2013	2012	2011	2010	2009	% of Check	Tested	+/- Check
NAVY						% of Envoy		+/- Envoy
AC Cruiser		Х	Х	Х	Χ	122	41	5
Cargo	х	х	х	х	Х	104	38	-1
Envoy	Х	Х	Х	Х	Χ	100	58	0
Aspen		х				120	16	3
_ightning	Х	Х	Х	Х	Х	125	18	2
Portage	X	X	X	X	X	128	14	1
DAC Spark	X	X	X	X	^	103	18	-4
					.,	119	34	
9903	X	Х	X	Х	X			1
Г9905	Х	Χ	Х	Х	Х	139	14	5
Vautica	Х					131	1	8
Bolt	Х					122	1	5
ndi	Х	Х		X		135		2
/arieties that are registere	d in the	US or	being	tested	or propos	sed for registration in Ca	nada	
SB 1815-2	х	х	Ŭ			129	5	1
SB 1816	Х					126	5	3
JAVC6V1200	X					143	1	6
PINTO	^					% of Windbreaker	•	+/- Windbreaker
							-00	
AC Ole		Х	Х	Χ	Χ	91	23	-1
AC Pintoba		Х	Х	Χ	Х	94	30	3
CDC WM-2®	Х	Х				88	5	0
//ariah	Х	Х	Х	Χ	Х	92	18	-1
/laverick	Х	х	х	Х	Χ	89	27	1
∕ledicine Hat⊛	Х	Х			X	90	17	-4
Vindbreaker	Х	Х	Х	Х	х	100	35	0
ND 307.⊚	х	х			Х	100	8	3
Stampede ®	Х	Х			X	91	8	2
			h - !	<b>4 4</b>				_
/arieties that are registere			being	tested	or propos			
Max	Х	Х				85	5	4
Sequoia	Х	Х				84	5	4
ob 2824-99		Х	Х	Х		97	10	-1
GTS 907		Х	Х	Х		100	10	0
PIN DJ09-1012	Х		Х			101	5	-2
BLACK						% of Eclipse		+/- Eclipse
Carman Black	Х	х	х	Х	Х	94	14	1
CDC Jet	X	Х	Х	Х	X	91	23	2
Eclipse®	X	X	X	X	X	100	23	0
CDC Superjet					^	88	11	2
	Х	Х	Х	Х				
CDC Blackcomb		Χ				87	4	1
Blackjack	Х					98	1	6
arieties that are registere	d in the	US or	being	tested	or propos	sed for registration in Ca	ınada	
3KBC6V 1312	х					83	1	4
GTS 1103	х					93	1	7
ob 2159-00	Х					98	1	12
PINK						% of ROG 922		+/- ROG 922
								+/- NOG 922
/arieties that are registere	d in the	US or	being	tested				
Pink Floyd					Х	109	8	0
ROG 922			Х		Χ	100	12	0
MALL RED						% of AC Earlired		+/- AC Earlired
AC Earlired		Х	Х		Х	100	44	0
	ماله ماله			tooto				
/arieties that are registere	u in the		being	rested	or propos			-
SR47-3-3		Х				113	4	5
9304			Х			122	4	7
CRANBERRY						% of Cran 09		+/- Cran 09
Cran 09	Х	Х	Х	Х	Х	100	46	0
Etna	X	X	X	X	X	99	38	1
								•
/arieties that are registere		US or	being	tested	or propos			
Krimson	Х					77	1	-1
031	Χ					118	1	-4
GREAT NORTHERN						% of Beryl		+/- Beryl
Beryl R		Х			Χ	100	45	0

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	Years Tested			Yield	Site Years	Days to Maturity <sup>2</sup>		
MARKET CLASS/Varie	ty 20	13 2012	2 2011	2010	2009	% of Check	Tested	+/- Check
Varieties that are regis	tered in th	ne US o	r being	tested	or propo	osed for registration in Ca	anada	
GN13-10-1		х	Ŭ			85	3	1
99118		Х				94	7	1
Varieties that are regis	tered in tl	ne US o	r being	tested	or propo	osed for registration in Ca	anada	
DARK RED KIDNEY			Ŭ			% of Pink Panther		+/- Pink Panther
1030	х					89	1	0
1013	Х					67	1	0
Varieties that are regis	tered in tl	ne US o	r being	tested	or propo	osed for registration in Ca	anada	
LIGHT RED KIDNEY						% of Pink Panther		+/-Pink Panther
Pink Panther	Х	. x	Х	Х	х	100	36	0
Varieties that are regis	tered in tl	ne US o	r being	tested	or propo	osed for registration in Ca	anada	
Clouseau	X			X		103	8	1
9350		х				109	4	-1
9351		х				99	4	-2
White Kidney						% of Pink Panther		+/- Pink Panther
GTS 402		Х	Х			91	15	-2
YELLOW						% of Windbreaker		+/- Windbreaker
CDC Sol	Х	x	х	Х		81	11	4
					First		Site	Days
					Year	Yield	Years	to
Check Varieties	Bean	Туре			Tested	lbs/acre	Tested	Maturity
Envoy	Navy				1994	2019	58	100
Windbreaker	Pinto				2002	2690	35	97
Eclipse	Black				2005	2329	23	100
ROG 922	Pink				2005	1964	12	100
AC Earlired	Smal	Red			1999	2262	44	94
Cran 09	Crant	,			2000	1875	44	99
Beryl R	Great	Northe	rn		2002	2483	45	100
Pink Panther	Light	Red Kid	Iney		2001	1997	36	100

<sup>1</sup> Long term Average Yield is the best indicator of variety performance. Use single site-year data with caution.

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<sup>2</sup> Due to different weather conditions each year, the actual number of days it takes a variety to fully mature varies from year to year. Choosing a variety that needs a longer growing season than your farm has, increases your risk of frost damage and lower returns.

The Lentil variety trial is coordinated with the Saskatchewan Regional Variety testing program, therefore the seed source are same as used in Saskatchewan trials.

The lentil variety trial was tested by MCVET and partially sponsored by the Manitoba Pulse Growers Association.

Clearfield lentils are tolerant to the herbicide Odyssey. These varieties are easily identified by the "CL" designation at the end of the name.

#### **Variety Descriptions**

		Yield %	Site Years	Maturity1		tance Level: Anthracnose <sup>1</sup>	Seed Wt	Cotyledon	2013 Y % of CDC	
Market Class	Variety	Check	Tested	Rating	Blight	Race	(TKW)	Colour	Hamiota	Melita
Small green	CDC Asterix CDC Imvincible CL CDC Milestone Eston	97 77 80 82	2 11 10 7	Early Early Early Early	G G G VP	F G VP VP	26 35 37 33	Yellow Yellow Yellow Yellow	98 86 —	96 105 —
Medium green	CDC Imigreen CL CDC Impress CL CDC Richlea	63 68 76	11 11 7	Medium Medium Medium	G G VP	F P VP	63 52 51	Yellow Yellow Yellow	73 — —	70 — —
Large green	CDC Greenland CDC Impower CL CDC Improve CL CDC Plato Laird	63 65 70 61 54	10 5 11 11 7	Med/Late Medium Medium Med/Late Very Late	G G F G VP	VP P VP P VP	64 74 67 62 67	Yellow Yellow Yellow Yellow Yellow	_ _ _ _	_ _ _ _
French green	CDC Peridot CL CDC Marble	78 108	11 2	Early Early/Med	G F	P G	40 32	Yellow Yellow	79 101	100 116
Extra small red	CDC Robin CDC Impala CL CDC Imperial CL CDC Redbow CDC Rosebud CDC Rosie CDC Rosetown CDC Ruby	78 81 77 84 87 95 88 92	10 11 11 8 10 2 11	Early Early Early/Med Early/Med Early/Med Early/Med Early/	G G G G G G G	G G G G G G	30 31 30 42 29 30 31	Red Red Red Red Red Red Red Red		  81 93  78
Small red	CDC Dazil CDC Imax CL CDC Impact CL CDC Maxim CL CDC Red Rider CDC Redberry CDC Redcoat CDC Scarlet	96 82 78 100 83 97 78 107	3 11 10 13 2 11 8 2	Early/Med Medium Early Early/Med Early/Med Early/Med Early Early/Med	6666666	F G P G F G F	35 50 34 40 45 42 40 36	Red Red Red Red Red Red Red	86 81 100 — — — 109	107 102 100 — — — 107
Large red	CDC KR-1	76	8	Medium	G	G	56	Red	_	
CHECK CHARA CDC Maxim	CTERISTICS	3329 lb/ac	13 site years	5		CD	C Maxim (III CV% LSD (%) Sign Diff	o/ac)	2413 13.1 22 Yes	1973 10.9 18 Yes
							Seeding Dat Harvest Dat		23-May 15-Oct	13-May 03-Sep

<sup>1</sup> Ratings determined in Saskatchewan and may not be accurate under wetter growing conditions present in Manitoba

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#### Comments:

The Field Pea variety trial is coordinated with the Saskatchewan Regional Variety testing program, therefore the seed source are same as used in Saskatchewan trials.

#### **Variety Descriptions**

									Resista	nce Level:			
Variety	Site Years Tested	Yield bu/acre	Relative Maturity	Relative Vine Length	Seed Size (TSW)	Green <sup>1</sup> Seed Coats	Lodging	Powdery Mildew	Mycos- phaerella Blight	Fusarium <sup>2</sup> Wilt		Seed Coat Breakage	Seed <sup>3</sup> Coat Dimpline
Yellow		,			(1011)				9				
Agassiz®	37	73	E-M	М	230	G	G	VG	F	F	n/a	G	F
Argus 🕲	14	68	M	M	230	G	G	VG	F	F	n/a	F	F
Canstar	20	70	E	M	240	G	G	VG	P	G	n/a	G	G
CDC Bronco	31	61	M	M	230	G	G	VG	F	F	n/a	G	G
CDC Bronco	20	71	E	M	270	F	F	VG	F	F	n/a	G	G
CDC Golden	41	66	M	M	230	G	G	VG	F	F	n/a	G	G
CDC Golden	30	68	M	M	220	G	G	VG	F	F	n/a	F	G
CDC Homel	50	72	E	M	220	G	G	VG	F	F	n/a	G	G
CDC Meadow	38	69	M	S	220	F	F	VG	F	F	n/a	G	G
CDC Mozart	29	63	E	S M	150	G	G	VG	F	G	n/a n/a	G	F
CDC Prosper	14	71	M	M	250	G	G	VG	F	F	n/a	G	G
CDC Saliron	37		E					VG					F
Cutlass	65	68 66	M*	M M*	210 220	G G	G G	VG	F F	G F	n/a n/a	F	F
			M			-		VG	F	F	n/a		F
Eclipse®	62 14	69	M	M	250 220	G G	G G	VG	F	G	n/a n/a	G	F
Hugo 🕲		68		M	-	-						G	
Polstead®	35	68	M	S	280	F	G	VG	P	P	n/a	F	G
Reward®	20	70	М	M	240	F	G	VG	F	F	n/a	G	G
SW MIDAS®	29	68	E	M	220	G	G	VG	F	F	n/a	G	G
Sorento@	28	70	M	M	260	G	F	VG	F	F	n/a	G	F
Thunderbird®	26	70	M	М	220	F	G	VG	F	F	n/a	G	G
Green	00	00			100	,	_	1/0	_	^	_	_	_
CDC Patrick	36	66	М	М	190	n/a	G	VG	F	G	G	G	F
CDC Pluto	9	66	М	М	160	n/a	F	VG	F	F	G	G	G
CDC Raezer	8	68	М	М	220	n/a	G	VG	F	G	G	G	G
CDC Sage	19	58	М	М	220	n/a	G	VG	F	G	G	G	F
CDC Striker	55	63	M	М	230	n/a	G	P	F	G	G	VG	G
CDC Tetris	23	67	L	М	210	n/a	G	VG	F	G	G	G	G
COOPER®	47	67	L	M	270	n/a	G	VG	F	F	G	F	G
Other Pea types	4.0	0.5			0.1.5		-	1/0	_	,	,	_	_
CDC Rocket (Maple)	19	63	М	M	210	G	F	VG	F	n/a	n/a	G	G
CDC Dakota (Dun)	17	74	M-L	М	205	n/a	G	VG	F	n/a	n/a	G	G
CDC Mosaic (Maple)		58	M-L	М	180	n/a	G	VG	F	n/a	n/a	G	G
CDC Horizon (Silage		62	М	М	170	F	G	VG	F	n/a	n/a	G	G
CDC Leroy (Silage)	20	60	М	М	150	F	G	VG	F	n/a	n/a	G	G
CDC Tucker (Silage)	21	63	M	М	170	F	G	VG	F	n/a	n/a	G	G
Stella (Silage) 🕲	13	57	L	M	220	n/a	G	VG	F	F	n/a	G	G
GRAND MEAN		66											
LSD (0.05)		4											

<sup>\*</sup> The relative maturity of the variety Cutlass is 99 days (Medium). Please add 3 - 4 days for each rating beyond Medium. The relative vine length for Cutlass is 34 inches (Medium)

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<sup>1</sup> Green seed coats: G = 0-10%; F = 11-25%

<sup>2</sup> Varieties which show good disease tolerance to one strain of Fusarium wilt may be susceptible to other strains.

<sup>3</sup> Seed coat dimpling rating : VG = 0-5%; G = 6-20%; F = 21-50%

#### **Yield Comparisons**

	2013 Average Yield		2013 Yield (bu/acre	)
Variety	bu/acre	Boissevain	Hamiota	Thornhill
Yellow				
Agassiz®	102	111	113	83
CDC Golden	97	93	111	87
CDC Hornet	99	102	121	76
CDC Meadow	101	102	120	82
CDC Saffron	98	109	105	80
CDC Treasure	94	96	104	82
Cutlass	91	83	106	85
Green				
CDC Patrick	85	98	94	65
CDC Raezer	91	99	96	78
CDC Tetris	102	105	114	87
Other				
CDC Dakota	97	100	114	79
CDC Horizon	88	101	94	71
CDC Mosaic	84	85	96	73
SITE GRAND MEAN (bu	u/acre)	98	106	79
•	, CV %	6.9	8.9	9.7
	LSD (bu/ac)	11	16	_
	Sign Diff	Yes	Yes	No
	Seeding Date	22-May	23-May	09-May
	Harvest Date	22-Sep	30-Sep	27-Aug





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P

# Distributor Contacts for Varieties in Seed Manitoba 2014

Look up variety within the correct CROP KIND to find the company, then look for company phone number in the box at bottom of section.

F	Α	lΕ	BA	В	E	A	N	S

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S

CDC Snowdron University of Saskatchewan CDC SSNS-1 University of Saskatchewan Legumex Walker Canada Inc. CDC Fatima Florent Legumex Walker Canada Inc. Snowbird@ Cyre Seed Farms Taboar@ Terramax Holding Corp.

#### **FIELD BEANS**

#### NAVY (WHITE)

Hensall District Coop AC Cruiser Aspen Saskcan Pulse Trading Hensall District Coop Bolt Various Bean Dealers Cargo Various Bean Dealers Envoy ADM- Seed West Indi Lightning Hensall District Coop Nautica Hensall District Coop OAC Spark University of Guelph **CANTERRA SEEDS** Portage T9903 Hyland Seeds - Beans T9905 Hyland Seeds - Beans **PINTO** 

AC Ole Various Bean Dealers AC Pintoba **CANTERRA SEEDS** CDC Pintium Various Bean Dealers CDC WM-2® University of Saskatchewan Various Bean Dealers Maverick Mariah @ **CANTERRA SEEDS** Medicine Hat @ **CANTERRA SEEDS** ND 307 Legumex Walker Canada Inc. Legumex Walker Canada Inc. Stampede Windbreaker CANTERRA SEEDS Winmor Viterra

**BLACK** 

Carman Black Agriculture and Agri-Food Canada CDC Blackcomb University of Saskatchewan CDC Jet Ben Martens Charlois & Seed Legumex Walker Canada Inc. Eclipse@ CDC SuperJet Ben Martens Charlois & Seed

Gen-Tec Seeds Ltd.

SMALL RED AC Earlired Saskcan Pulse Trading **CRANBERRY** 

Cran 09 Various Bean Dealers Etna Seminis Vegetable Seeds **GREAT NORTHERN** 

Various Bean Dealers Bervl R LIGHT RED KIDNEY

Pink Panther Various Bean Dealers WHITE KIDNEY GTS 402 Various Bean Dealers

CDC Sol® Legumex Walker Canada Inc.

#### **LENTILS**

YELLOW

Blackjack

**CDC** Asterix Saskatchewan Pulse Growers CDC Dazil Saskatchewan Pulse Growers CDC Greenland Saskatchewan Pulse Growers Saskatchewan Pulse Growers CDC Imax CL CDC Imigreen CL Saskatchewan Pulse Growers Saskatchewan Pulse Growers CDC Impact CL CDC Impala CL Saskatchewan Pulse Growers CDC Imperial CL Saskatchewan Pulse Growers CDC Impower CL Saskatchewan Pulse Growers CDC Impress CL Saskatchewan Pulse Growers CDC Improve CL Saskatchewan Pulse Growers CDC Imvincible CL Saskatchewan Pulse Growers CDC KR-1 Saskcan Pulse Trading **CDC** Marble Saskatchewan Pulse Growers CDC Maxim CL Saskatchewan Pulse Growers CDC Milestone Saskatchewan Pulse Growers

#### **LENTILS**

CDC Peridot CL Saskatchewan Pulse Growers **CDC** Plato Saskatchewan Pulse Growers CDC Red Rider Saskatchewan Pulse Growers **CDC** Redberry Saskatchewan Pulse Growers CDC Redbow Saskatchewan Pulse Growers CDC Redcoat Saskatchewan Pulse Growers CDC Richlea Saskatchewan Pulse Growers CDC Robin Saskatchewan Pulse Growers CDC Rosebud Saskatchewan Pulse Growers CDC Rosetown Saskatchewan Pulse Growers **CDC** Rosie Saskatchewan Pulse Growers CDC Ruby Saskatchewan Pulse Growers **CDC** Scarlet Saskatchewan Pulse Growers

#### **FIELD PEAS**

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#### **DISTRIBUTOR PHONE NUMBER**

AAFC - Harrow  ADM-Seed West  Agriculture and Agri-Food Canada  Alliance Seed Corporation  Ben Martens Charolais & Seed  Canseed (Canada) Ltd	1-800-637-5843 1-613-773-1000 1-877-270-2890 1-204-534-6952 1-780-674-2595 1-877-439-7333 1-780-349-4775
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Hensall District Coop	
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S=Select; F=Foundation; R=Registered; C=Certified; Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

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