### **Variety Description Key**

A CHECK CHARACTERISTICS box has been placed at the bottom of each table to display the long term yield, # of site years, % protein and any other check attributes.

Except for the long term average yield and protein data, variety description information was obtained from the Co-operative Registration Trials.

Resistance to 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. The more site years the more dependable the data

Indicates a variety that is protected by Plant Breeders 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 2011 Yield Tables**

Yields derived over two or more growing seasons are the best indicator of variety performance. For new varieties, 2011 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.

**Special Crops** 



# **NEW CORN GENETICS TAKE FLIGHT**



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## Manitoba Agriculture, Food and Rural Initiatives Variety Guide

### **BUCKWHEAT**

### Comments:

Buckwheat was last tested in 2008.

Buckwheat data was partially sponsored by the Manitoba Buckwheat Growers Association.

### **Variety Descriptions**

	Yield %	Site Years	Days to 50% Bloom	Height
Variety	Check	Tested	+/- Check	+/- Check
AC Manisoba	106	31	-1	4
AC Springfield	98	33	1	1
Koma	101	9	2	6
Koto.⊛	105	20	0	3
Mancan	100	41	0	0
Manor	101	25	_	
CHECK CHARACTERISTICS				
Mancan	1681	41	45	39
	lb/acre	site years	days	inches

### **CANARY SEED**

### Comments:

Canary Seed was last tested in 2006

### **Variety Descriptions**

Variety	Yield % Check	Site Years Tested	Days to Maturity +/- Check	Height +/- Check	Seed <sup>1</sup> Size	
Conventional Types (Hairy)						
Cantate	92	6	-2	-2	L	
Keet	100	38	0	0	S	
Hairless Types						
CDC Bastia	81	4	5	-1	M	
CDC Maria	73	14	4	-3	M	
CDC Togo	70	10	6	-1	L	
CHECK CHARACTERISTICS						
Keet	1588	38	105	44		
	lb/acre	site years	days	inches		

<sup>1</sup> TKW ranges from 7.1 g to 8.0 g, L= Large, M = Medium, S= Small.

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The 2011 grain corn hybrid trials were tested and the data donated by the Manitoba Corn Committee.

The trial locations for 2011 were Carman, Reinland, MacGregor, St.Pierre and Melita. However, only Reinland and St.Pierre data was available for publication. Carman site data will be available online at www.seedmb.ca in January.

All hybrids are evaluated at a plant population of 26,000 plants per acre. Plots are planted at a higher rate and thinned to achieve the target population. Reinland was planted May 25 & St.Pierre May 20.

Reinland was harvested October 6 & St.Pierre October 15.

The data presented is for one year only. Use with caution.

The Manitoba Corn Committee publishes the annual results with all locations along with long term data in their brochure, which is available at the Manitoba Corn Grower's Association office (204-745-6661) and at local Manitoba Agriculture, Food & Rural Initiatives offices.

				Re	inland		St. Pi	erre	
				Yield	Moisture <sup>3</sup>	Yield	Moisture <sup>3</sup>	Density	Silking
CHU <sup>1</sup>	Hybrid	Traits <sup>2</sup>	Distributor	(bu/ac)	(%)	(bu/ac)	(%)	(lb/bu)	(50%)
2000	39F44	RR2	Pioneer Hi-Bred	111	21.1	80	16.2	59.8	63
2050	P7213R	RR2	Pioneer Hi-Bred	123	15.3	118	15.7	59.4	67
2075	A4022RR	RR2	PRIDE Seeds	123	20.0	122	17.1	55.8	73
2100	A4023BtRR	BT/RR2	PRIDE Seeds	122	18.8	126	16.1	56.0	74
2100	A4170RR	RR	PRIDE Seeds	133	20.2	139	16.7	56.5	71
2100	P7535R	RR2	Pioneer Hi-Bred	129	16.7	120	17.1	57.2	72
2100	P7443R	RR2	Pioneer Hi-Bred	146	14.6	132	15.5	58.1	72
2100	X0425	_	BrettYoung	134	16.1	_	_	_	_
2100	LR9074 RR	YGCB/RR	Delmar Commodities	124	19.4	121	16.7	57.0	74
2125	A4176BTRR	BT/RR2	PRIDE Seeds	111	21.7	134	17.2	55.7	72
2125	DKC26-25	_	Monsanto Canada	127	17.9	_	_	_	_
2125	LR9975 RR	RR2	Delmar Commodities	133	20.1	121	17.0	54.8	75
2125	LR9780 RR	RR2	Delmar Commodities	_	_	127	16.9	52.7	76
2150	30A27 RR	RR	BrettYoung	110	19.7	128	16.7	59.1	69
2150	P7535HR	HX1/LL/RR2	Pioneer Hi-Bred	109	20.1	132	17.1	57.5	69
2150	2304RR	RR2	PICKSEED	152	19.0	119	17.2	55.9	72
2175	DKC27-54	RR	Monsanto Canada	158	18.6	132	17.7	58.2	73
2175	39D95	RR2	Pioneer Hi-Bred	144	17.5	133	15.5	57.9	74
2200	A4240RR	RR	PRIDE Seeds	142	18.9	133	16.8	57.4	72
2200	MZ 1261RR	YGCB/RR2	Maizex Seeds Inc.	121	21.3	148	16.4	58.3	67
2200	2219RR	RR2	PICKSEED	131	20.1	117	16.8	54.6	75
2200	SilEx BTRR	YGCB/RR2	PICKSEED	132	26.4	151	18.0	55.9	72
2200	HL R208	RR	Hyland Seeds	134	18.2	102	15.6	58.3	71
2200	N04F-3000GT	GT/CB/LL/RW	Syngenta Seeds	136	17.4	116	15.8	57.9	73
2200	39B90	RR2	Pioneer Hi-Bred	139	17.0	116	15.6	58.2	70
2200	DKC28-76	_	Monsanto Canada	102	19.9	_	_	_	_
2200	PP EXP178	RR	Prairie Pacific Seeds	129	22.0	132	16.6	54.2	76
2250	LF 690R	RR2	Maizex Seeds Inc.	118	21.4	129	16.5	56.3	72
2250	HL B18R	YGBT/RR	Hyland Seeds	130	22.8	112	16.7	58.3	71
2250	BAXXOS RR	RR VCOR/RR	Hyland Seeds	145	24.6	125	18.1	57.3	71
2250	HL B16R	YGCB/RR	Hyland Seeds	146	23.5	117	17.7	58.4	71
2250	39Z69	HX1/LL/RR2	Pioneer Hi-Bred	132	15.9	128	17.0	58.3	73
2250	39B94	HX1/LL/RR2	Pioneer Hi-Bred	127	18.2	123	15.2	59.5	73
2250	39D97	HX1/LL/RR2	Pioneer Hi-Bred	144	17.1	122	16.2	57.1	74
2250	EX1111 A4632G3	GT VT3	Maizex Seeds Inc.	145	14.0 21.2	_	47.0		— 75
2300 2300		RR2	PRIDE Seeds Maizex Seeds Inc.	125		121 122	17.8 16.9	56.5 58.8	75 72
	MZ 1440R EX1104	GT		141	18.0	122	16.9	56.6	12 —
2300 2300	PP2146	RR	Maizex Seeds Inc. Prairie Pacific Seeds	139 138	21.3 24.5	142	17.3	56.0	69
2325	2411GT/CB/LL	GT/CB/LL	PICKSEED	118	20.9	107	17.0	55.5	76
	D1/000 00	DD 0 ( 0 0 D 0 ( 0 D) 1 (							
2325 2350	20T47 RR	RR/YGCB/YGRW RR	Monsanto Canada  BrettYoung	151 136	16.8 20.2	136 113	16.3 17.8	56.8 55.3	74 74
2350	E50G27R	RR	BrettYoung	144	22.2	147	17.8	54.2	75
2350	A4880G3	VT3	PRIDE Seeds	138	21.4	140	16.3	53.6	76
2350	MZ 1445CBR	VT3/RR2	Maizex Seeds Inc.	133	18.0	119	17.3	57.5	73
2350	MZ 1677R	RR2	Maizex Seeds Inc.	124	21.0	116	16.6	56.9	72
2350	HL 3085	RR	Hyland Seeds	131	20.3	130	16.8	57.2	74
2350	HL B22R	YGCB/RR	Hyland Seeds	124	22.3	116	16.9	55.4	75
2350	N08-GT/CB/LL	GT/CB/LL	Syngenta Seeds	118	15.1	124	15.6	54.7	76
2350	N09T-3111	BL/GT/CG/LL/RW	Syngenta Seeds	111	23.4	124	17.8	55.6	76
2350	39V05	RR2	Pioneer Hi-Bred	136	14.6	132	15.8	57.5	73
2350	EX0152	— —	Maizex Seeds Inc.	132	16.9	— —	— —	- -	/3 —
_000	LAUIUL		WIGIZON OCCUS IIIC.	102	10.0				

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<sup>1</sup> Each company assigns a corn heat unit (CHU) rating to each of their hybrids. The CHU rating is a measure of relative maturity and is one criteria for choosing a hybrid which will mature in your area. Moisture content at harvest, density, and days to 50% silk are other measurements to look at when evaluating the relative maturity of

<sup>2</sup> Traits: BT, HX1, CB, YGCB, VT3 - resistance to European corn borer; RR, RR2 - Roundup herbicide tolerant; GT - glyphosate herbicide tolerant; LL - Liberty herbide tolerant; YGRW, RW - resistance to rootworm; SSTX - SmartStax.

<sup>3</sup> Moisture content at harvest.

### Comments:

The fababean variety trial was tested and the data donated by Manitoba Pulse Growers Association.

### **Variety Descriptions**

	Yield %	Site Years		Seed Size	Tani 2011 % of CD0		Zero Ta 2011 \ % of Sn	/ield
Variety	Check	Tested	Type <sup>1</sup>	TKW (g)	Arborg	Roblin	Arborg	Roblin
CDC Fatima	100	30	Tannin	523	100	100	_	_
Florent	103	8	Tannin	523	105	117	_	_
Taboar@	95	10	Tannin	471	103	114	_	_
Snowbird@	100	8	Zero Tannin	502	_		100	100
Varieties that have	been supported	for registration	า					
FB34-2	93	5	Zero Tannin	347	_	_	93	89
Divine	102	11	Tannin	551	109	111	_	_
Melodie	108	11	Tannin	516	122	128	_	
CHECK CHARACT	ERISTICS			CDC Fatima (lb/acre)	5363	4551		
CDC Fatima	3628	30		CV %	11.8	4.8		
	lb/acre	site years		LSD%	13	13		
				Sign Diff	Yes	Yes		
				CDC Snowbird (lb/acre	e)		5457	4399
CDC Snowbird	4927	8		CV %			11.8	4.8
	lb/acre	site years		LSD%			17	7
				Sign Diff			Yes	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.

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

### Comments:

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

Consult your local MASC agent for information on insurability of edible beans in your area.

### **Variety Descriptions**

			Yea	ars Tes	sted		%	Years	Days to <sup>1</sup>	Plant <sup>2</sup>
Bean Class	Variety	2011	2010	2008	2007	2006	Check	Tested	Maturity	Type
Small Seeded	d Types						% Envoy		+/- Envoy	
Navy	Envoy	Х	Х	Х	Х	Х	100	30	0	I
Navy	Skyline	Х	Х				98	2	3	I
Navy	Lightning	Х	Х				142	2	3	II
Navy	OAC 05-1	Х					141	2	-4	I
Navy	1190m-13	Х					135	2	-2	II
Black	Carman	Х					123	1	3	II
Black	CDC Jet	Х	Х	Х	Х	Х	109	21	2	II
Black	CDC Blackcom	nb x	Х	Х			107	7	3	II
Large Seeded	d Types					9	6 CDC Pintium	1	+/- CDC Pintium	
Pinto	AC Ole	Х	Х	Х			122	11	8	II
Pinto	CDC Pintium	Х	Х	Х	Х	Х	100	30	0	I
Pinto	Island	Х	Х	Х			114	7	1	II
Pinto	Mariah	Х	Х				162	2	5	II
Pinto	Winmor	Х	Х	Х			134	4	3	II
Pinto	Wm-2	Х	Х				117	2	3	II
Pink	2171-2	Х					113	2	1	1
Pale Yellow	CDC Sol	Х					110	2	19	I
CHECK CHAP	RACTERISTICS						Yield	Site	Days to	
	Bean Groupii	ng	Ch	eck Va	rieties		(lbs/acre)	Years	Maturity	
	Small seeded	_		Envoy	/		` 1779 ´	30	103	
	Largo cooded		CI	no Dini	tium		2016	20	101	

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

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





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Pinto: 06185,06189,06185,06189,Sinaloa,PIN DJ09-1012,C6V-1237

**Black:** 04352,06253 **Yellow:** 08560863

### Comments:

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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.

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.

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

						Yield	Site	Days to <sup>2</sup>
		Ye	ars Test	ed		%	Years	Maturity
MARKET CLASS/Variety	2011	2010	2009	2008	2007	Check	Tested	+/- Check
NAVY						% of Envoy		+/- Envoy
AC Cruiser	Х	Х	Х	Х	X	123	37	6
Cargo	Х	Х	Х	Х	х	104	33	-1
Envoy	Х	Х	х	х	х	100	53	0
Galley	Х	Х	Х	Х	Х	113	22	3
GTS 546			Х	Х	х	90	12	0
HY4181	Х	Х	Х			163	5	2
Lightning	Х	Х	Х	Х		128	13	1
Morden 003			Х	Х	х	97	17	-2
Octane	Х	Х		Х		96	9	-3
Portage	Х	Х	Х			130	9	1
Skyline	х	х		х		93	9	1
T9903	Х	Х	Х	Х	х	118	29	1
T9905	Х	Х	х			138	9	6
Varieties that are registered	d in the U	S or bei	na teste	d or pro	posed for r	egistration in Canada		
07073	X		. <b>.</b>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100	4	4
H96048	~	х	х			176	5	6
HR177		X	X			178	5	2
Indy		X	~			228	1	5
N5039540		X				261	1	4
N5059541		X				231	1	1
NA06-002	Х	^				80	4	5
OAC 05-1	X	х				103	13	-4
PINTO	X					% of Maverick	10	+/- Maverick
AC Ole	х	x	Х	Х	Х	78 OF MAVEITOR	33	-1
AC Pintoba	X	X	X	^	X	108	36	0
Agrinto	^	^	X	х	X	94	12	-5
Island			X	X	X	90	11	-5 -4
Mariah	х	х	X	X	*	98	13	- <del>4</del> -1
Maverick	X	X	X	X	Х	100	40	0
Medicine Hat	Χ	Α	X	X	*	93	12	-4
Pecos			X	^	Х	97	8	-1
Winchester	х		^		*	97	14	-2
Windbreaker	X	х	V	Х	Х	111	22	0
Winmor	X	X	X X	X	X	86	13	0
							10	U
Varieties that are registered		5 or bei	ng teste	a or pro	posed for r	_		0
06185	Х					104	4	3
06187		Х				113	2	2
06189	Х					105	7	2
cob 2824-99	Х	Х				105	6	-2
GTS 907	Х	Х				112	6	0
La Paz	Х	Χ	Χ	Χ		105	14	1

		Ye	ears Test	ted		Yield %	Site Years	Days to <sup>2</sup> Maturity
MARKET CLASS/Variety	2011	2010	2009	2008	2007	Check	Tested	+/- Check
Sinaloa	Х					110	7	2
PIN DJ09-1012	Х					119	4	-1
C6V-1237	х					108	4	-2
P7025613		х				74	2	-2
P7025615		X				84	2	-3
BLACK		Α				-	_	-
-						% of Eclipse	40	<b>+/- Eclipse</b> dfm <sup>3</sup>
Black Violet	Х	Х	X	Х	Х	96	18	
Carman Black	Х	Х	Х	Χ		99	9	1
CDC Jet	Х	Х	Х	Х	Х	93	18	0
Eclipse	Х	Х	Х	Χ		100	18	0
CDC Superjet		Х	Х			87	6	0
Varieties that are registered	d in the U	S or bei	ing teste	d or pro	posed for	registration in Canada		
04352	Х					84	4	4
06252	Х	Х	Х			84	9	3
06253	X					79	4	1
Bandit	X	х				75	6	dfm <sup>3</sup>
Black Velvet		X				103	6	3
PINK						% of R0G 922		+/- R0G 922
								+/- RUG 922
Varieties that are registered	d in the U	S or bei	ing teste	ed or pro	posed for			
Pink Floyd			Х	Х	X	109	8	0
ROG 922	X		Х	Х		100	12	0
SMALL RED						% of AC Earlired		+/- AC Earlired
AC Earlired	Х		Х	Х	х	100	40	0
AC Redbond					Х	104	5	3
AC Scarlet					X	114	20	8
Varieties that are registered	d in the H	C or boi	ina tooto	d or pro				
		S OF Del	ing teste	u or pro	pposeu ioi		4	7
09304	Х					122	4	7
Red Ryder				Х		94	4	6
GS780			Х			126	4	7
SR05-008			Х			106	4	1
CRANBERRY						% of Cran 09		+/- Cran 09
Cran 09	Χ	Х	Χ	Χ	X	100	41	0
Etna	Х	Х	Х	Х	X	101	33	2
Red Rider	Х	Х				87	7	dfm <sup>3</sup>
Varieties that are registered	d in the U	S or bei	ina teste	d or pro	posed for	registration in Canada		
BRB-DJ09-1015		X	9	р	, p = = = = = = = = = = = = = = = = = =	197	3	8
BRB-DJ09-1031		X				113	3	-2
		Α					U	
GREAT NORTHERN						% of Beryl	00	+/- Beryl
AC Polaris				Х	Χ	102	20	-1
Beryl			Х	Х	Х	100	44	0
Varieties that are registered	d in the U	S or bei	ing teste	d or pro	posed for	registration in Canada		
99118			X			104	4	5
99136			х			111	4	3
Gemini			х			97	4	0
HR 185				х		79	4	1
Orion				Х	Х	108	8	0
DARK RED KIDNEY						% of ROG802		+/- ROG802
OAC Redstar	V	v					7	4/- ROG602 dfm <sup>3</sup>
	Х	X	.,	.,		105		
ROG802		X	X	X		100	31	0
Varieties that are registered	d in the U	S or bei	ing teste	d or pro	posed for			
0 1 .		Х		Х		77	18	2
Cabernet						104	3	4
Cabernet Majesty		Χ				104	0	т
		X X				67	3	1
Majesty Red Rover						67		1
Majesty	X		X	x				

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		Ye	ars Test	ed		Yield %	Site Years	Days to <sup>2</sup> Maturity
MARKET CLASS/Variety			2007	Check	Tested	+/- Check		
Varieties that are registe	ered in the US	or bei	ng teste	d or pro	posed for	registration in Canada		
Clouseau		Х		X		108	3.0	3
L945138.1		Х				84	3.0	1
Lyrik		Х				97	3.0	0
White Kidney						% of ROG802		+/- ROG802
Gts 402	Х					101	11	-3
YELLOW						% of Maverick		+/- Maverick
Varieties that are registe	ered in the US	or bei	ng teste	d or pro	posed for	registration in Canada		
CDC Sol		Х				99	6	dfm <sup>3</sup>
8560863	х					66	4	dfm <sup>3</sup>
				First			Site	Days
				Year		Yield	Years	to
Check Varieties	Bean Type	Э		Tested		lbs/acre	Tested	Maturity
Envoy	Navy			1994		2038	53	100
Maverick	Pinto			2005		2561	40	99
Eclipse	Black			2005		2281	18	100
R0G 922	Pink			2005		1964	12	100
AC Earlired	Small Red	l		1999		2282	40	95
Cran 09	Cranberry	,		2000		1892	41	101
Beryl	Great North	ern		2002		2468	44	100
ROG802	Dark Red Kid	lney		1997		1728	31	101
Pink Panther	Light Red Kid	Iney		2001		2052	31	100

- 1 Long term average yield is the best indicator of variety performance. Use single site-year data with caution.
- 2 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 the risk of frost damage and lower returns.
- 3 Variety did not fully mature at 1 or more sites.

### **INDUSTRIAL HEMP**

### Comments:

A licence from Health Canada is required to grow Industrial Hemp.

THC testing for some varieties is required.

Please check Health Canada's List of Approved Cultivars (www.hc-sc.gc.ca) to determine status of varieties.

### **Variety Descriptions**

	Yield	Site	2011	201	1 Yield: % of Alys	ssa
Variety	% Check	Years Tested	Average Yield	Carberry	Gilbert Plains	Melita
Alyssa	100	18	100	100	100	100
Anka	92	8	72	68	78	66
Canda	129	6	124	107	134	124
CFX-1	107	9	94	75	95	109
CFX-2	102	5	98	98	102	92
CRS-1	114	9	102	89	111	98
Delores	111	18	106	108	115	91
Finola®	58	13	44	34	45	51
Joey	145	3	115	_	115	_
USO 14	74	16	69	72	68	67
CHECK CHARACTERISTICS			Alyssa (lb/acre)	928	2192	1182
Alyssa	1179	18	CV%	15.2	14.1	16.7
	lb/acre	site years	LSD%	25	20	22
		•	Sign Diff	Yes	Yes	Yes

# DON'T JUST PERFORM... OUTPERFORM



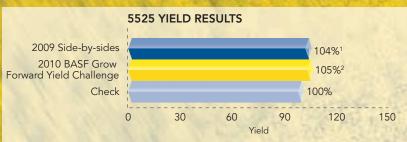
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<sup>1</sup> Check varieties from 8 field side-by-side trials include PH 46P50, InVigor 5440, PH 45H73, CT 1651 and DK 71-40. <sup>2</sup> Checks 16 field scale 2010 BASF Grow Forward Yield Challenge trials include D 3150, DK 71-45 RR, InVigor 5020, 5030. 5440. 8440 and PH 45H28.

"In any field, a gold medal performance is a result of preparation, hard work and unwavering support."

### JON MONTGOMERY

2010 Olympic Gold Medalist – Skeleton 2008 World Championship Silver Medalist



### **LENTILS**

### Comments:

The lentil variety trials were tested by the Manitoba Pulse Growers Association. However, no sites were harvested as excess moisture early in the year impacted stand establishment.

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		Resist	ance to <sup>1</sup>		
		%	Years	Maturity <sup>1</sup>	Ascochyta	Anthracnose	Seed <sup>1</sup>	Cotyledon
Market Class	Variety	Check	Tested	Rating	Blight	Race	Weight (TKW)	Colour
Small green	CDC Imvincible CL	94	8	Early	G	G	35	Yellow
	<b>CDC Milestone</b>	100	26	Early	G	VP	37	Yellow
	Eston	99	23	Early	VP	VP	33	Yellow
Medium green	CDC Imigreen CL	79	8	Medium	G	F	63	Yellow
	CDC Impress CL	85	10	Medium	G	Р	52	Yellow
	CDC Richlea	106	23	Medium	VP	VP	51	Yellow
Large green	CDC Greenland	85	14	Med/Late	G	VP	64	Yellow
	CDC Impower CL	77	5	Medium	G	Р	74	Yellow
	CDC Improve CL	89	13	Medium	F	VP	67	Yellow
	CDC Plato	95	23	Med/Late	G	Р	62	Yellow
	Laird	83	23	Very Late	VP	VP	67	Yellow
French green	CDC Peridot CL	100	8	Early	G	Р	40	Yellow
Extra small red	CDC Robin	102	26	Early	G	G	30	Red
	CDC Impala CL	102	10	Early	G	G	31	Red
	CDC Imperial CL	95	14	Early	G	G	30	Red
	CDC Redbow	108	8	Early/Med	G	G	42	Red
	CDC Rosebud	111	8	Early	G	G	29	Red
	CDC Rosetown	107	14	Early	G	G	31	Red
Small red	CDC Imax CL	103	8	Medium	G	G	50	Red
	CDC Impact CL	94	14	Early	G	Р	34	Red
	CDC Maxim CL	125	10	Early/Med	G	G	40	Red
	CDC Red Rider	91	5	Early/Med	G	F	45	Red
	CDC Redberry	113	17	Early/Med	G	G	42	Red
	CDC Redcoat	101	8	Early	G	G	40	Red
Large red	CDC KR-1	98	9	Medium	G	G	56	Red
CHECK CHARA	CTERISTICS							
CDC Milestone		2322	26					
		lb/acre	site years					

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



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### Comments:

All varieties are rated resistant tolerance to blackleg.

Data is donated and approved for publication by the Prairie Recommending Committee for Oilseeds (PRCO).

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

Variety	Yield % Check	Site Years Tested	Days to Maturity +/- Check	Height +/- Check	Mucilage <sup>2</sup> cS* ml/g	Fixed Oil % Seed	Protein % Seed
Yellow - Sinapis alba	% of AC Pennant			4	-/- AC Pennan	t	
AC Pennant	100	94	0	0	42.0	29.4	34.7
AC Base	100	94	+1	+3	38.3	29.2	34.7
Ace	98	94	+2	+5	46.7	29.0	35.3
Adante	100	94	+1	+5	51.9	28.2	35.6
Oriental - Brassica juncea	% of Cutlass				+/- Cutlass		
AC Vulcan	98	85	0	+1	_	40.6	29.6
Cutlass	100	85	0	0	_	41.1	29.2
Forge	97	85	+2	+10	_	38.8	29.7
Brown - Brassica juncea %	% of Commercial Brown			+/- C	ommercial Br	own	
Centennial Brown	102	85	0	+4	_	36.6	30.0
Commercial Brown	100	85	0	0	_	38.1	28.8
Duchess	103	85	0	+1	_	38.2	28.8
CHECK CHARACTERISTICS	;						
Yellow - AC Pennant	1716	94	91	96			
Oriental - Cutlass	2078	85	91	114			
Brown - Commercial Brown	1890	85	92	111			
	lb/ac	site years	days	cm			

<sup>1</sup> All varieties are tested at all locations (Co-operative Mustard Test location) from a 10 year period of 1999-2008.

### **FIELD PEA**

### New for 2012

Variety	Code	Type	Distributor	Seed Availability
CDC Horizon	1681-11	Forage	Saskatchewan Pulse Growers	2013
CDC Mosaic	1816-4	Maple	Saskatchewan Pulse Growers	2013
CDC Dakota	2098-20	Dun	Saskatchewan Pulse Growers	2013

### Comments:

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

### **Variety Descriptions**

									Resista	nce to:			
Variety	Yield % Check	Site Years Tested	Maturity Rating	Vine Length	Seed Size	Green <sup>1</sup> Seed Coats	Lodging	Powdery Mildew	Mycos- phaerella Blight	Fusarium <sup>2</sup> Wilt	2 Bleaching	Seed Coat Breakage	Seed <sup>3</sup> Coat Dimpling
Yellow													
Agassiz®	111	27	M	M	230	n/a	G	VG	F	F	n/a	G	n/a
Argus 🕲	109	8	M	M	230	n/a	G	VG	F	F	n/a	F	n/a
Canstar®	105	18	E	M	240	n/a	G	VG	Р	G	n/a	G	n/a
CDC Bronco	91	26	M	M	230	G	G	VG	F	F	n/a	G	G
CDC Centennial	107	16	E	M	270	F	F	VG	F	F	n/a	G	G
CDC Golden	102	33	M	M	230	G	G	VG	F	F	n/a	G	G
CDC Hornet	102	21	M	M	220	G	G	VG	F	F	n/a	F	G
CDC Meadow	110	36	E	M	220	G	G	VG	F	F	n/a	G	G
CDC Minuet	96	5	M	M	190	F	F	VG	F	F	n/a	F	G
CDC Mozart	108	17	M	S	220	F	F	VG	F	F	n/a	G	G
CDC Prosper	93	27	E	M	150	G	G	VG	F	G	n/a	G	F
CDC Treasure	105	27	Е	M	210	G	G	VG	F	G	n/a	F	F

SEED MANITOBA - 2012 DECEMBER 2011

<sup>2</sup> Mucilage is a measure of viscosity.

									Resista	nce to:			
Variety	Yield % Check	Site Years Tested	Maturity Rating	Vine Length	Seed Size	Green <sup>1</sup> Seed Coats	Lodging	Powdery Mildew	Mycos- phaerella Blight	Fusarium Wilt		Seed Coat Breakage	Seed <sup>3</sup> Coat Dimpling
Cutlass	100	52	M	M	220	G	G	VG	F	F	n/a	F	F
DS-Admiral®	105	7	Е	M	240	G	G	VG	F	F	n/a	G	G
Eclipse®	106	43	M	M	250	G	G	VG	F	F	n/a	G	F
FUSION®	99	18	M	М	245	n/a	G	VG	Р	Р	n/a	F	n/a
Hugo ⊛	104	8	M	M	220	n/a	G	VG	F	G	n/a	G	n/a
Noble®	94	12	M	M	250	n/a	G	VG	F	F	n/a	F	n/a
Polstead@	103	32	M	S	280	n/a	G	VG	Р	Р	n/a	F	n/a
Reward®	103	18	M	M	240	n/a	G	VG	F	F	n/a	G	n/a
SW Carousel®	102	16	Ε	M	250	G	G	VG	F	F	n/a	F	G
SW MIDAS®	103	24	Е	М	220	G	G	VG	F	F	n/a	G	G
SW SALUTE⊛	100	11	M	M	220	F	F	VG	F	Р	n/a	F	F
Sorento@	104	22	M	М	260	n/a	F	VG	F	F	n/a	G	n/a
Thunderbird@	106	24	M	M	220	n/a	G	VG	F	F	n/a	G	n/a
Tudor@	101	16	M	M	270	F	G	VG	Р	F	n/a	F	G
Green													
BLUEBIRD:	90	15	Е	S	250	n/a	F	VG	Р	Р	n/a	n/a	n/a
Camry®	101	16	M	S	260	n/a	G	VG	F	F	F	F	G
CDC Montero	104	4	L	M	230	n/a	F	VG	F	F	F	G	F
CDC Patrick	103	26	M	M	190	n/a	G	VG	F	G	G	G	F
CDC Pluto	106	8	M	M	160	n/a	F	VG	F	F	G	G	n/a
CDC Sage	85	16	M	M	220	n/a	G	VG	F	G	G	G	F
CDC Striker	95	49	M	M	230	n/a	G	Р	F	G	G	VG	G
CDC Tetris	105	14	L	M	210	n/a	G	VG	F	G	G	G	G
COOPER®	104	42	L	M	270	n/a	G	VG	F	F	G	F	G
Nitouche®	98	10	M	M	250	n/a	G	Р	Р	Р	G	F	F
Stratus@	100	15	M	S	270	n/a	F	VG	F	Р	Р	G	G
SW Sergeant⊛	93	15	M	M	200	n/a	G	VG	F	F	G	G	F
TAMORA@	90	18	M	M	290	n/a	G	VG	F	Р	F	F	n/a
Other Pea Types													
CDC Rocket (Maple	) 92	18	M	M	210	G	F	VG	F	n/a	n/a	n/a	G
CDC Dakota (Dun)	122	8	M-L	M	205	n/a	G	VG	F	n/a	n/a	n/a	G
CDC Mosaic (Maple	) 79	8	M-L	M	180	n/a	G	VG	F	n/a	n/a	n/a	G
CDC Horizon (Silage	e) 88	8	M	M	170	F	G	VG	F	n/a	n/a	n/a	G
CDC Leroy (Silage)	89	19	M	M	150	F	G	VG	F	n/a	n/a	n/a	G
CDC Tucker (Silage)	93	18	M	M	170	F	G	VG	F	n/a	n/a	n/a	G
40-10 (Silage)	72	17	L	Т	140	n/a	Р	Р	Р	n/a	n/a	n/a	G
Stella (Silage) 🕲	90	8	L	M	220	n/a	G	VG	F	F	n/a	G	n/a
CHECK CHARACTI	ERISTIC	S											
Cutlass	70	52	99	34	220g/								
	bu/acre	site years	days		1000 s	eeds							
		,	, -										

<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%

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### **Yield Comparisons**

			201	1 Yield: % of Cut	tlass
Variety	2011 Average Yield	Site Years Tested	Arborg	Melita	Thornhill
Yellow					
Agassiz®	108	3	100	135	101
Argus®	100	3	102	115	89
CDC Golden	101	3	86	146	89
CDC Hornet	111	3	106	125	107
CDC Meadow	104	3	100	122	98
CDC Prosper	103	3	107	102	100
CDC Treasure	101	3	93	106	106
Cutlass	100	3	100	100	100
Hugo⊛	117	3	118	128	110
Polstead@	97	3	86	141	83
Sorento@	102	3	97	127	92
Green					
CDC Patrick	105	3	115	112	91
CDC Pluto	110	3	114	115	104
CDC Striker	94	3	94	107	86
CDC Tetris	96	3	102	85	97
Cooper@	108	3	107	128	96
Other					
CDC Dakota	117	3	102	145	116
CDC Mosaic	96	3	100	114	82
CDC Horizon	90	3	94	89	88
Stella®	84	3	83	84	86
4010	94	3	76	127	93
CHECK YIELD		Cutlass (bu/ac)	60	34	61
		CV %	12.1	11.4	8.9
		LSD %	20	22	14
		Sign Diff	Yes	Yes	Yes



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### Distributor Contacts for Varieties in Seed Manitoba 2012

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.

**BUCKWHEAT** 

AC Manisoba SeCan AC Springfield Springfield Inc. Springfield Inc. Koma Koto.⊛ Springfield Inc. Mancan SeCan Manor SeCan

**CANARY SEED** 

Cantate **CDC** Bastia CDC Maria CDC Togo

Keet

Hansen Seeds Crop Development Center Public

**CANTERRA SEEDS** Public

**GRAIN CORN** 

- see Grain Corn table for specific varieties, then check Distributor table below for phone number -

**FABABEANS** 

CDC Fatima Florent Snowbird@ Taboar@

Roy Legumex Rov Legumex Bob Park

Terramax Holding Corp.

**FIELD BEANS** 

NAVY (WHITE)

**PINTO** 

AC Ole

AC Pintoba

AC Cruiser Cargo Envoy Galley GTS 546 HY4181 Liahtnina Morden 003 Octane Portage Skyline T9903 T9905

Hensall District Coop Various Bean Dealers Various Bean Dealers AAFC - Harrow Hensall District Coop Hyland Seeds - Beans Hensall District Coop Viterra - BSC Saskcan Pulse Trading **CANTERRA SEEDS** Saskcan Pulse Trading Hyland Seeds - Beans Hyland Seeds - Beans

Various Bean Dealers **CANTERRA SEEDS** 

Agrinto **CDC** Pintium Island Maverick Mariah Medicine Hat

Pecos Winchester Windbreaker

Winmor **BLACK** Black Violet

Carman Black CDC Jet Eclipse

CDC SuperJet PINK Early Rose

SMALL RED AC Earlired AC Redbond AC Scarlet **CRANBERRY** 

Cran 09 Ftna Red Rider

**GREAT NORTHERN** AC Polaris

Beryl **DARK RED KIDNEY** 

**ROG802** OAC Redstar

LIGHT RED KIDNEY Foxfire Pink Panther

Alyssa

Anka

Canda

CFX-1

**FIELD BEANS** 

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Viterra - BSC Various Bean Dealers AAFC - Harrow Various Bean Dealers **CANTERRA SEEDS CANTERRA SEEDS** AAFC - Harrow Various Bean Dealers CANTERRA SEEDS Viterra - BSC

Viterra - BSC

Agriculture and AgriFood Canada Ben Martens Charlois & Seed

**Duncan Seeds** 

Ben Martens Charlois & Seed

Viterra - BSC

Saskcan Pulse Trading Viterra - BSC **CANTERRA SEEDS** 

Various Bean Dealers Seminis Vegetable Seeds

Secan

Viterra - BSC Various Bean Dealers

Various Bean Dealers

Secan

Various Bean Dealers Various Bean Dealers

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Parkland Industrial Hemp Growers Coop Ltd.

Hemp Genetics International Inc.

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### **INDUSTRIAL HEMP**

CFX-2	Hemp Genetics International Inc.
CRS-1	Hemp Genetics International Inc.
Delores	Parkland Industrial Hemp Growers Coop Ltd.
Finola®	Hemp Oil Canada Inc.
Joey	Parkland Industrial Hemp Growers Coop Ltd.

Parkland Industrial Hemp Growers Coop Ltd.

Hemp Genetics International Inc.

### **LENTILS**

USO 14

CDC Greenland	Saskatchewan Pulse Growers
CDC Imax	Saskatchewan Pulse Growers
CDC Imigreen	Saskatchewan Pulse Growers
CDC Impact CL	Saskatchewan Pulse Growers
CDC Impala CL	Saskatchewan Pulse Growers
CDC Imperial CL	Saskatchewan Pulse Growers
CDC Impower	Saskatchewan Pulse Growers
CDC Impress CL	Saskatchewan Pulse Growers
CDC Improve CL	Saskatchewan Pulse Growers
CDC Imvincible	Saskatchewan Pulse Growers
CDC KR-1	Saskatchewan Pulse Growers
CDC Maxim CL	Saskatchewan Pulse Growers
CDC Milestone	Saskatchewan Pulse Growers
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 Robin	Saskatchewan Pulse Growers
CDC Rosebud	Saskatchewan Pulse Growers
CDC Rosetown	Saskatchewan Pulse Growers
CDC SB-1	Saskatchewan Pulse Growers

### **MUSTARD**

Sinapis alba	
AC Base	Trade
AC Pennant	Trade
Ace	Viterra
Andante	Trade
Tilney	Viterra
Brassica juncea	
AC Vulcan	Trade
Centennial Brown	Trade
Cutlass	Trade
Duchess@	Viterra
Forge	Viterra

### **PEAS**

Agassiz@	CANTERRA SEEDS
Argus 🕲	SeCan
BLUEBIRD®	Bob Park
Camry®	FP Genetics
Canstar	Canseed (Canada) Ltd.
CDC Bronco	Saskatchewan Pulse Growers
CDC Centennial	Saskatchewan Pulse Growers
CDC Dakota	Saskatchewan Pulse Growers
CDC Golden	Saskatchewan Pulse Growers



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> Fax 204-415-3489 www.pvcommodities.com

### **PEAS**

1 = 1	
CDC Hornet	Saskatchewan Pulse Growers
CDC Horizon	Saskatchewan Pulse Growers
CDC Leroy	Saskatchewan Pulse Growers
CDC Meadow	Saskatchewan Pulse Growers
CDC Minuet	Saskatchewan Pulse Growers
CDC Montero	Saskatchewan Pulse Growers
CDC Mosaic	Saskatchewan Pulse Growers
CDC Mozart	Saskatchewan Pulse Growers
CDC Patrick	Saskatchewan Pulse Growers
CDC Pluto	Saskatchewan Pulse Growers
CDC Prosper	Saskatchewan Pulse Growers
CDC Rocket	Saskatchewan Pulse Growers
CDC Sage	Saskatchewan Pulse Growers
CDC Striker	Saskatchewan Pulse Growers
CDC Tetris	Saskatchewan Pulse Growers
CDC Tucker	Saskatchewan Pulse Growers
CDC Treasure	Saskatchewan Pulse Growers
COOPER®	CANTERRA SEEDS
Cutlass	Saskatchewan Pulse Growers
DS-Admiral®	FP Genetics
Eclipse®	FP Genetics
FUSION®	CANTERRA SEEDS
Hugo 🕲	Alliance Seed Corporation
Nitouche@	FP Genetics
Noble@	FP Genetics
Polstead@	FP Genetics
Reward®	SeCan
Sorento	FP Genetics
Stella @	Alliance Seed Corporation
Stratus@	CANTERRA SEEDS
SW Carousel®	FP Genetics
SW MIDAS®	FP Genetics
SW SALUTE®	FP Genetics
SW Sergeant®	FP Genetics
TAMORA@	FP Genetics
Thunderbird@	CANTERRA SEEDS
Tudor@	FP Genetics
40-10	FP Genetics

DISTRIBUTOR	PHONE NUMBER
AAFC - Harrow	1-519-738-2251
Agriculture and Agri-Food Canada	1-613-773-1000
Alliance Seed Corporation	
Ben Martens Charolais & Seed	
Bob Park	
Brett-Young Seeds Ltd	1-800-665-5015
Canseed (Canada) Ltd	1-780-674-2595
CANTERRA SEEDS	1-877-439-7333
Crop Development Center	
Delmar Commodities	1-204-331-3696
Duncan Seeds	
FP Genetics	
Hansen Seeds	1-306-465-2525
Hemp Genetics International Inc.	1-604-607-4953
Hemp Oil Canada Inc.	
Hensall District Coop	
Hyland Seeds - corn	
Hyland Seeds - beans	
Maizex Seeds Inc	
Monsanto Canada Inc	
Ontario Hemp Alliance	
Parkland Industrial Hemp Growers Coop Ltd	
PICKSEED	
Pioneer Hi-Bred Ltd.	
Prairie Pacific Seeds Ltd	
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Saskatchewan Pulse Growers	
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SeCan	
Seeds 2000	
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Springfield Inc.	
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Terramax Holding Corp	
Viterra	
Viterra - BSC	



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### **BUCKWHEAT**

CRWILAI

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**FABABEANS** 

S=Select; F=Foundation; R=Registered; C=Certified; Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

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