

## Variety Description Key

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

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

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.

## Key to 2012 Yield Tables

Yields derived over two or more growing seasons are the best indicator of variety performance. For new varieties, 2012 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 value 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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# Manitoba Agriculture, Food and Rural Initiatives Variety Guide

## BUCKWHEAT

New for 2013

Variety	Code	Breeder	Distributor	Seed Availability
Horizon	DF-4	Mancan Genetics Ltd.	Mancan Genetics Ltd.	—

### Comments:

The buckwheat variety trials were tested by MCVET and partially sponsored by the Manitoba Buckwheat Growers Association.

Previous to 2012, buckwheat was last tested by MCVET in 2008.

### Variety Descriptions

Variety	Yield % Check	Site Years Tested	Days to 50% Bloom +/- Check	Height +/- Check	2012 Average Yield	2012 Yield: % of Koma			
						Arborg	Carberry	Melita	Roblin
AC Manisoba	104	13	-3	-2	117	87	86	181	138
AC Springfield	102	13	-1	-5	110	92	93	108	125
Horizon	113	4	—	—	114	87	129	143	124
Koma	100	13	0	0	100	100	100	100	100
Koto	104	13	-2	-3	97	62	85	119	127
Mancan	99	13	-2	-6	99	81	88	106	123
Manor	111	4	—	—	—	—	—	—	—
<b>CHECK CHARACTERISTICS</b>					<b>Koma (lb/acre)</b>	653	795	480	706
Koma	1521 lb/acre	13 site years	47 days	45 inches	CV%	20.7	12.4	15.9	3.9
					LSD%	—	—	—	—
					Sign Diff	No	No	No	No
					<b>Seeding Date</b>	01-Jun	11-Jun	01-Jun	05-Jun
					<b>Harvest Date</b>	20-Sep	02-Oct	18-Sep	20-Sep

## 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
<b>Conventional Types (Hairy)</b>					
Cantate	92	6	-2	-2	L
Keet	100	38	0	0	S
<b>Hairless Types</b>					
CDC Bastia	81	4	5	-1	M
CDC Maria	73	14	4	-3	M
CDC Togo	70	10	6	-1	L
<b>CHECK CHARACTERISTICS</b>					
Keet	1588 lb/acre	38 site years	105 days	44 inches	

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



CHU <sup>1</sup>	Hybrid	Traits	Distributor	Altona		Carman		St.Pierre		Beausejour		Melita		Wawanesa		
				Yield (bu/ac)	Moisture (%)	Yield (bu/ac)	Moisture (%)	Yield (bu/ac)	Moisture (%)	Yield (bu/ac)	Moisture (%)	Yield (bu/ac)	Moisture (%)	Yield (bu/ac)	Moisture (%)	
2400	DKC31-10	GENVT2P	DEKALB	157	21.4	207	16.7	—	—	—	—	—	—	—	—	
2400	P8107HR	HX1/LL/RR2	DuPont Pioneer	136	19.4	179	17.1	101	16.8	—	—	—	—	—	—	
2400	P8193HR	HX1/LL/RR2	DuPont Pioneer	136	20.4	181	16.5	109	15.5	—	—	—	—	—	—	
2400	8105	SmartStax	Hyland Seeds	145	24.4	154	17.2	82	17.2	—	—	—	—	—	—	
2400	N12R-3000GT	GT/CB/LL/RW	Syngenta Seeds	139	22.8	157	17.2	92	18.3	—	—	—	—	—	—	
2450	HL 4122	HXT/LL/RR2	Hyland Seeds	133	21.2	160	15.6	97	15.3	—	—	—	—	—	—	
2500	P8210HR	HX1/LL/RR2	DuPont Pioneer	159	20.6	177	16.4	103	15.8	—	—	—	—	—	—	
2525	8166	SmartStax	Hyland Seeds	160	25.2	162	17.2	98	17.8	—	—	—	—	—	—	
2550	P8651HR	HX1/LL/RR2	DuPont Pioneer	166	25.4	183	17.7	—	—	—	—	—	—	—	—	
2550	N17P-3000GT	GT/CB/LL/RW	Syngenta Seeds	126	26.8	159	19.4	90	21.3	—	—	—	—	—	—	
2600	P8622HR	HX1/LL/RR2	DuPont Pioneer	159	25.7	184	18.0	—	—	—	—	—	—	—	—	
2600	N20Y-3000GT	GT/CB/LL/RW	Syngenta Seeds	158	21.9	162	17.1	116	17.3	—	—	—	—	—	—	
2625	N21J-3000GT	GT/CB/LL/RW	Syngenta Seeds	142	25.9	149	18.4	91	23.0	—	—	—	—	—	—	
				<b>GRAND MEAN</b>	145	21.0	160	16.7	96	17.2	83	12.2	96	17.9	89	19.8
				CV%	7.4	6.3	9.2	4.4	10.8	7.1	8.5	2.2	10.7	7.6	10.0	10.0
				Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes
				LSD (0.05)	15	1.8	23	1.1	17	2.0	—	—	—	2.2	12.2	2.7
				<b>Planting Date</b>	12-May		<b>9-May</b>	10-May		<b>15-May</b>	15-May		<b>18-May</b>			
				<b>Harvest Date</b>	24-Sep		1-Oct	2-Oct		2-Oct	8-Oct		12-Oct			

<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 a hybrid.



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# INDUSTRIAL HEMP

## Comments:

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

THC testing for some varieties is required.

As per the Industrial Hemp Regulations, industrial hemp varieties must be approved for commercial cultivation under licence for the current crop year. Please refer to Health Canada's "List of Approved Cultivars" for the 2013 Growing Season report prior to seeding.

Please note that the Industrial Hemp Regulations requires that all seed planted for the production of industrial hemp in Canada must be of pedigreed status (Certified or better).

For more information, please refer to Health Canada's website at [www.healthcanada.gc.ca/hemp](http://www.healthcanada.gc.ca/hemp).

## Variety Descriptions

Variety	Yield % Check	Site Years Tested	2012 Average Yield	2012 Yield: % of CRS-1			
				Arborg	Carberry	Gilbert Plains	Melita
Alyssa	82	13	67	68	89	61	55
Anka	81	10	79	—	—	81	78
Canda	119	10	110	84	137	108	116
CanMa	88	3	88	—	91	85	90
CFX-1	94	13	94	100	118	74	90
CFX-2	92	9	90	79	103	88	92
CRS-1	100	13	100	100	100	100	100
Delores	96	12	91	76	105	95	—
Finola	53	9	65	74	70	55	61
Joey	111	6	98	100	—	100	93
Jutta	94	8	67	—	—	83	52
Silesia	64	4	64	60	71	69	58
X59	103	4	103	116	109	106	83
<b>Varieties that are being evaluated for approval</b>							
Debbie	84	4	84	67	110	84	80
<b>CHECK CHARACTERISTICS</b>							
CRS-1	1601	13	CRS-1 (lb/acre)	1299	980	1197	1314
	lb/acre	site years	CV%	10.6	13.3	15.1	8.9
			LSD%	13	19	18	12
			Sign Diff	Yes	Yes	Yes	Yes
				Seeding Date	31-May	14-May	31-May
				Harvest Date	24-Sep	05-Sep	10-Sep
						Various	14-May

# Distributor Contacts for Varieties in Seed Manitoba 2013

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 Mills Inc.
Horizon	Mancan Genetics Ltd.
Koma	Springfield Mills Inc./Fisher Seeds/
Koto	Durand Seeds
Mancan	Fisher Seeds
Manor	Public
	Public

CANARY SEED	
Cantate	Hansen Seeds
CDC Bastia	Crop Development Center
CDC Maria	Public
CDC Togo	CANTERRA SEEDS
Keet	Public

## GRAIN CORN

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

INDUSTRIAL HEMP	
Alyssa	Parkland Industrial Hemp Growers Coop Ltd.
Anka	Ontario Hemp Alliance
Canda	Parkland Industrial Hemp Growers Coop Ltd.
CanMa	PhytoGene Resources Inc.
CFX-1	Hemp Genetics International Inc.
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.
Jutta	Ontario Hemp Alliance
Silesia	Alberta Innovates Technology Futures
X59	Terramax

## DISTRIBUTOR

PHONE NUMBER	
Alberta Innovates Technology Futures .....	1-780-632-8436
BrettYoung Seeds Ltd. ....	1-800-665-5015
CANTERRA SEEDS .....	1-877-439-7333
Crop Development Center .....	1-306-966-5855
DEKALB .....	1-800-667-4944
Delmar Commodities .....	1-204-331-3696
DuPont Pioneer .....	1-800-265-9435
Durand Seeds .....	1-204-248-2268
Fisher Seeds Ltd. ....	1-204-622-8800
Hansen Seeds .....	1-306-465-2525
Hemp Genetics International Inc. ....	1-604-882-4936
Hemp Oil Canada Inc. ....	1-800-289-4367
Hyland Seeds .....	1-800-265-7403
Maizex Seeds Inc. ....	1-877-682-1720
Mancan Genetics Ltd. ....	1-204-822-4396
Ontario Hemp Alliance .....	1-613-281-2734
Parkland Industrial Hemp Growers Coop Ltd. ....	1-204-629-4367
PhytoGene Resources Inc. ....	1-613-240-4120
PICKSEED .....	1-204-633-0088
PRIDE Seeds .....	1-800-265-5280
Quarry Seeds Ltd. ....	1-888-274-9243
SeCan .....	1-800-665-7333
Springfield Mills Inc. ....	1-204-362-1524
Syngenta Seeds Canada Inc. ....	1-888-756-7333
Terramax .....	1-306-699-7368

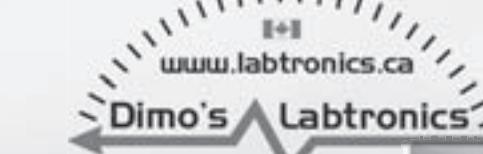


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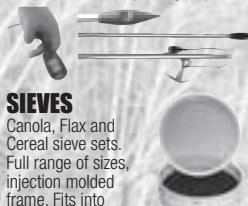
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# Growers List



## BUCKWHEAT

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### AC MANISOBA

Notre Dame; Durand, Gabriel A. & Marc..... 204-248-2268 R

### HORIZON

Morden; Mancan Genetics Ltd. .... 204-822-4396 C

### KOMA

Dauphin; Fisher, Roderick Allan & Douglas James..... 204-622-8800 F C  
Deloraine; Nestibo Agra Ltd..... R  
Glenella; Schmidt, Kenneth Frederick & Adrene, Lukin, Shirley 204-352-4435 R  
Notre Dame; Durand, Gabriel A. & Marc..... 204-248-2268 S F

### MANCAN

Notre Dame; Durand, Gabriel A. & Marc..... 204-248-2268 S F C

## CORN - OPEN POLLINATED

### CM440

Minto; Rao, Sajjad ..... 204-776-5561 F

### CM533

Minto; Rao, Sajjad ..... 204-776-5561 R

## INDUSTRIAL HEMP

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### ALYSSA

Dauphin; Parkland Industrial Hemp Growers ..... 204-629-4367 R

### CANDA

Dauphin; Parkland Industrial Hemp Growers ..... 204-629-4367 R

### CFX-1

Saskatoon; Hemp Genetics International Inc..... 604-882-4936 C

### CFX-2

Langley; Friesen, Kevin G..... 604-882-4936 C

### CRS-1

Dauphin; Fisher, Roderick Allan & Douglas James..... 204-622-8800 R C

### FINOLA©

Ste. Agathe; Hemp Oil Canada Inc ..... 204-882-2480 R C

### USO 14

Carberry; Robinson, Chris T. .... 204-834-2357 C

### USO 31

Carberry; Robinson, Chris T. .... 204-834-2357 C

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