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 Breeder's Rights or a variety where protection has been applied for but not yet granted at time of printing.

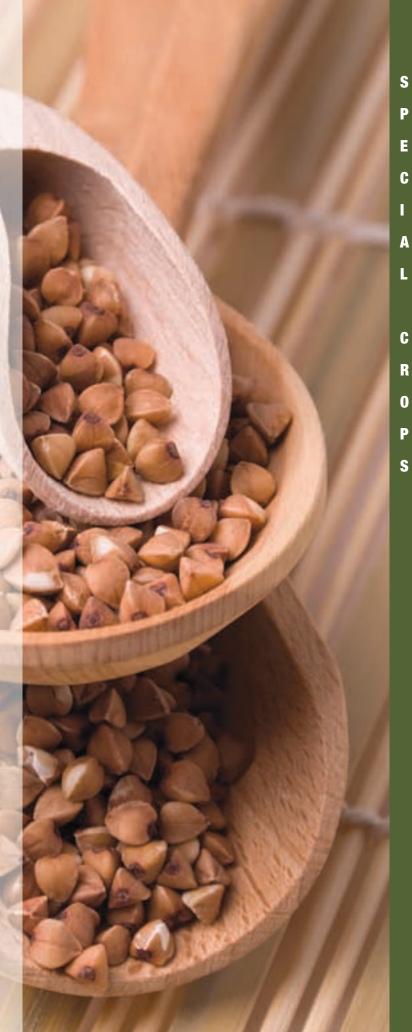
Key to 2013 Yield Tables

Yields derived over two or more growing seasons are the best indicator of variety performance. 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



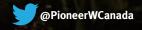
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Our experts are grown locally



Manitoba Agriculture, Food and Rural Development Variety Guide

BUCKWHEAT

Comments:

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

Variety Descriptions

	Yield %	Site Years	Days to 50% Bloom	Height	2013 Average		2013 Yield: % of Koma		
Variety	Check	Tested	+/- Check	+/- Check	Yield	Arborg	Beausejour	Carberry	Melita
AC Manisoba	113	18	-3	-2	134	131	147	136	111
AC Springfield	115	18	-1	-5	146	131	143	134	113
Horizon	127	9	_	_	132	124	124	119	105
Koma	100	18	0	0	100	100	100	100	100
Koto.⊛	121	18	-2	-3	159	138	182	136	133
Mancan	106	18	-2	-6	124	130	127	120	110
Manor	111	4	_	_	_	_	_	_	_
CHECK CHARAC	TERISTICS					1046	998	910	3282
Koma	1387	18	47	45	CV%	5.1	13.6	10.3	7.0
	lb/acre	site years	days	inches	LSD%	9	25	16	11
					Sign Diff	Yes	Yes	Yes	Yes
					eeding Date arvest Date	30-May 07-Oct	15-May 11-Oct	06-Jun 18-Oct	06-Jun 02-Oct

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 ¹ 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 lb/acre	38 site years	105 days	44 inches		

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

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GRAIN CORN

Comments:

The 2013 grain corn hybrid trials were tested and the data donated by the Manitoba Corn Committee. The data presented is for one year only. Use with caution.

All hybrids are evaluated at a plant population of 30,000 plants per acre.

Yields are corrected to 15.5% moisture content.

The Manitoba Corn Committee publishes the annual results with all yearly data, as well as long term data, in their brochure which is available from the Manitoba Corn Grower's Association (204-745-6661).

					Altona		Beausejour			Warren		
CHU ¹	Hybrid	Traits	Distributor	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)
2000	39F44	RR2	DuPont Pioneer			_	115	25.9	56.1	110	22.7	56.9
2050	LR 9473RR	RR	Delmar Commodities	136	22.2	51.4	155	25.3	51.4	123	19.6	50.4
2050	LR 9573VT2PRIB	VT2PRIB	Delmar Commodities	144	24.4	55.3	174	26.7	54.8	121	19.7	54.4
2050	P7213R	RR2	DuPont Pioneer	120	19.0	57.6	153	23.1	54.5	133	19.0	57.6
2075	PS 2262RR	RR2	Pickseed	_	_	_	159	25.8	52.8	141	20.7	53.9
2100	TH 7574 VT2P RIB	RR2	Quarry Seeds Ltd.	143	23.3	55.6	156	28.5	53.7	129	20.4	55.8
2100	P7443R	RR2	DuPont Pioneer	141	19.7	54.5	155	19.6	53.9	133	18.9	53.3
2125	DKC26-25	RR	DEKALB	134	19.5	55.2	163	24.8	51.6	113	18.7	55.1
2125	A4023BTRR	BT, RR2	PRIDE Seeds	147	31.6	53.2	155	25.9	51.4	130	21.6	52.2
2150	DKC26-28RIB	VT2PR0	DEKALB	153	20.9	54.0	164	26.6	52.7	136	20.1	52.0
2150	A4176BTRR	BT, RR2	PRIDE Seeds	159	26.8	53.4	_	_	_	_	_	_
2150	N04F-3110	CB/GT	Syngenta Canada Inc.	135	19.6	55.1	169	22.5	54.1	135	18.7	53.5
2175	TH 7578 VT2P RIB	VT2P	Quarry Seeds Ltd.	170	24.7	53.3	156	24.1	53.1	143	19.6	51.3
2175	39D95	RR2	DuPont Pioneer	140	18.5	53.8	166	20.7	52.9	131	19.7	54.3
2175	X13-0464	VT2PR0	BrettYoung	147	23.8	54.0	165	27.1	54.6	133	22.0	51.7
2200	DKC27-55RIB	VT2PR0	DEKALB	167	24.3	55.4	165	28.7	53.6	131	21.2	54.8
2200	P7632HR	HX1/LL/RR2	DuPont Pioneer	140	19.2	52.0	174	22.5	50.7	141	18.4	50.9
2200	E47A17 R	RR2	BrettYoung	177	22.7	53.3	186	25.6	52.9	128	19.1	52.6
2200	A4408G2 RIB	GENVT2P	PRIDE Seeds	142	20.7	55.7	165	24.5	54.4	123	20.0	53.8
2200	G 13R GT	GT	Greenfield Genetics	161	24.5	50.8	_	_	_	_	_	_
2200	HZ EX12602	Viptera 3110	Horizon Seeds Canada	189	32.3	51.4	_	_	_	_	_	_
2225	PS 2304RR	RR2	Pickseed	149	20.9	52.9	_	_	_	_	_	_
2250	39Z69	HX1/LL/RR2	DuPont Pioneer	132	22.8	54.9	_	_	_	_	_	_
2250	39D97	HX1/LL/RR2	DuPont Pioneer	141	20.4	54.0	_	_	_	_	_	_
2250	39V05	RR2	DuPont Pioneer	161	20.7	53.2	_	_	_	_	_	_
2250	E48A27 R	RR2	BrettYoung	135	20.6	53.4	152	22.9	52.4	122	19.3	51.6
2250	HL R208	RR	Hyland Seeds	138	25.1	55.4	146	25.3	55.0	130	19.4	54.8
2250	MZ 1261BR	YGCB/RR2	Maizex Seeds Inc.	133	24.1	53.7	_	_	_	_	_	_
2250	MZ 1244R	RR2	Maizex Seeds Inc.	146	26.0	52.9	_	_	_	_	_	_
2250	MZ 1610R	RR2	Maizex Seeds Inc.	137	19.9	53.2	_	_	_	_	_	_
2250	G 14T 3000GT	GT	Greenfield Genetics	161	27.4	50.0	_	_	_	_	_	_
2250	N07H	GT/CB/LL	Syngenta Canada Inc.	155	23.6	51.2	163	26.8	51.4	141	21.2	47.5
2250	PP Exp 179	RR	Quarry Seeds Ltd.	_	_	_	140	28.2	47.0	117	21.3	46.3
2250	NS 77311	GT, LL, CB	NorthStar Genetics	174	22.7	50.9	157	28.9	48.8	144	20.3	50.4
2275	3085	RR	Hyland Seeds	175	26.2	52.2	_	_	_	_	_	_
2275	BAXXOS RR	RR	Hyland Seeds	186	26.1	55.3	_	_	_	_	_	_
2275	HL B16R	RR	Hyland Seeds	160	26.9	54.8	_	_	_	_	_	_
2275	PS 2348VT2P RIB	GENVT2P RIB	Pickseed	139	28.4	52.2	_	_	_	_	_	_
2300	39V07	HX1/LL/RR2	DuPont Pioneer	163	20.7	50.8	_	_	_	_	_	_
2300	4093	HXT/LL/RR	Hyland Seeds	147	24.7	53.6	_	_	_	_	_	_
2300	3093	RR	Hyland Seeds	142	20.6	53.4	_	_	_	_	_	_
2300	MZ 1445DRR	RR2	Maizex Seeds Inc.	154	26.9	54.5		_			_	_
2300	A4631G2 RIB	GENVT2P	PRIDE Seeds	165	27.0	52.9	_	_	_	_	_	_

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				Altona			Beausejour			Warren		
				Yield	Moisture	Bushel Wt	Yield	Moisture	Bushel Wt	Yield	Moisture	Bushel Wt
CHU ¹	Hybrid	Traits	Distributor	(bu/ac)	(%)	(lbs/bu)	(bu/ac)	(%)	(lbs/bu)	(bu/ac)	(%)	(lbs/bu)
2300	N09V	GT/CB/LL	Syngenta Canada Inc.	143	24.2	52.4	_	_	_	_	_	_
2325	DKC30-07RIB	VT2PR0	DEKALB	179	24.6	51.8	_	_	_	_	_	_
2350	P8016AM	YGCB/HX1/LL/RR2	DuPont Pioneer	154	21.2	51.6	_	_	_	_	_	_
2350	E50G27 R	RR2	BrettYoung	158	19.9	53.7	_	_	_	_	_	_
2350	MZ 1710DBR	RR2	Maizex Seeds Inc.	152	28.9	53.4	_	_	_	_	_	_
2350	A5004G2 RIB	GENVT2P	PRIDE Seeds	169	25.9	54.2	_	_	_	_	_	_
2350	A4939G2 RIB	GENVT2P	PRIDE Seeds	160	21.9	51.0	_	_	_	_	_	_
2350	A4881G2 RIB	GENVT2P	PRIDE Seeds	172	26.1	52.8	_	_	_	_	_	_
2400	DKC31-10RIB	VT2PR0	DEKALB	181	22.1	51.7	_	_	_	_	_	_
2400	P8193AM	YGCB/HX1/LL/RR2	DuPont Pioneer	143	23.3	50.5	_	_	_	_	_	_
2400	8105	SmartStax	Hyland Seeds	163	32.3	52.4	_	_	_	_	_	_
2475	P8210HR	HX1/LL/RR2	DuPont Pioneer	173	22.3	51.9	_	_	_	_	_	_
2525	8166	SmartStax	Hyland Seeds	154	32.7	50.7	_	_	_	_	_	_
2550	P8673XR	YGCB/HX1/LL/RR2	DuPont Pioneer	162	31.8	49.7	_	_	_	_	_	_
2550	P8651HR	HX1/LL/RR2	DuPont Pioneer	176	27.4	51.4	_	_	_	_	_	_
2560	HZ 782GT	GT	Horizon Seeds Canada	157	33.5	50.3	_	_	_	_	_	_
2600	P8622AM	YGCB/HX1/LL/RR2	DuPont Pioneer	169	22.1	51.6	_	_	_	_	_	_
			Site Average	154	23.9	53.1	159	25.2	52.8	130	20.1	52.8
			CV%	4.8	7.7	1.3	8.9	7.9	3.0	6.6	3.4	1.9
			Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			LSD (0.05)	12	3.0	1.1	23	3.3	2.6	14	1.1	1.7
			Planting Date		24-May			23-May			17-May	
			Harvest Date		17-0ct			11-0ct			10-0ct	

¹ 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.



SEED MANITOBA - 2014 DECEMBER 2013

INDUSTRIAL HEMP

Comments:

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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 2014 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.

Variety Descriptions

	Yield	Site	2013				
	%	Years	Average	2013 Yield: % of CRS-1		RS-1	
Variety	Check	Tested	Yield	Arborg	Melita	Roblin	
Alyssa	82	13	_	_	_	_	
Anka	81	10	_	_	_	_	
Canda	116	13	106	103	103	108	
CanMa	88	3	_	_	_	_	
CFX-1	94	13	_	_	_	_	
CFX-2	94	12	103	90	96	111	
CRS-1	100	16	100	100	100	100	
Delores	98	14	135	_	102	110	
Finola@	59	11	87	63	_	94	
Joey	114	8	155	_	116	128	
Jutta	94	8	_	_	_	_	
Silesia	64	6	66	71	_	64	
X59®	102	7	101	137	90	97	
Varieties that are	being evaluated for a	approval					
Debbie	93	6	136	_	103	111	
CHECK CHARACT	TERISTICS		CRS-1 (lb/acre)	596	1209	1883	
CRS-1	1389	16	CV%	6.6	6.5	7.7	
	lb/acre	site years	LSD%	9	_	12	
			Sign Diff	Yes	No	Yes	
			Seeding Date	23-May	13-May	22-May	
			Harvest Date	25-Sep	28-Aug	10-Sep	

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DECEMBER 2013 SEED MANITOBA - 2014

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.

BUCKWHEAT

AC Manisoba SeCan AC Springfield Springfield Mills Inc. Horizon Mancan Genetics Ltd. Koma

Springfield Mills Inc./Fisher Seeds/

Durand Seeds Koto@ Fisher Seeds Public Mancan Manor Public

CANARY SEED

Cantate Hansen Seeds **CDC** Bastia Crop Development Center

CDC Maria Public **CANTERRA SEEDS** CDC Togo

Keet Public

GRAIN CORN

Terramax

- see Grain Corn table for specific hybrids, then check Distributor table 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 Oil Canada Inc. CFX-2 Hemp Oil Canada Inc.

CRS-1 Hemp Genetics International Inc.

Delores Parkland Industrial Hemp Growers Coop Ltd.

Finola@ Hemp Oil Canada Inc.

Joev 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 Greenfield Genetics 1-604-929-7371 Hansen Seeds 1-306-465-2525 Hemp Genetics International Inc. 1-604-882-4936 Hemp Oil Canada Inc. 1-800-289-4367 Horizon Seeds Canada 1-855-983-7255 Hyland Seeds 1-800-265-7403 Maizex Seeds Inc. 1-877-682-1720 Mancan Genetics Ltd. 1-204-822-4396 NorthStar Genetics 1-701-454-6427 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 1-204-362-1524 Springfield Mills Inc. Syngenta Canada Inc. 1-888-756-7333

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The Chemical Company

BUCKWHEAT

S=Select; F=Foundation; R=Registered; C=Certified; Indicates Plant Breeders'

AC MANISOBA

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

Rights protected. Other varieties may have PBR protection pending.

AC SPRINGFIELD

MANCAN

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

INDUSTRIAL HEMP

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CANDA Dauphin; Parkland Industrial Hemp Growers204-629-4367	С
CFX-1 Fisher Branch; Interlake Agri	С
CRS-1 Dauphin; Fisher, Roderick Allan & Douglas James204-622-8800	С
FINOLA Ste. Agathe; Hemp Oil Canada Inc204-882-2480	R
HEMPNUT Dauphin; Fisher, Roderick Allan & Douglas James 204-622-8800	С
USO 14	



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