

# Manitoba Agriculture Variety Guide

## BUCKWHEAT

### Comments:

Buckwheat testing by MCVET resumed in 2017.

Days to 50% bloom is approximately 46 days after seeding for all varieties listed.

### Variety Descriptions

Variety	Yield % Check	Site Years Tested	2017 Yield % of Koma		
			Dauphin	Hamiota	
AC Manisoba	115	21	—	—	
AC Springfield	116	23	114	120	
Horizon	123	14	111	116	
Koma	100	23	100	100	
Koto	120	23	113	128	
Mancan	108	21	—	—	
Manor	111	4	—	—	
<b>CHECK CHARACTERISTICS</b>			<b>Koma (bu/acre)</b>	46	43
Koma	31 bu/acre	23 site years	CV%	5.1	8.9
			LSD	—	—
			Sign Diff	No	No
			<b>Seeding Date</b>	09-Jun	09-Jun
			<b>Harvest Date</b>	10-Oct	11-Oct



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# GRAIN CORN

## Comments:

The 2017 grain corn hybrid trial was tested and the data donated by the Manitoba Corn Committee.

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

All hybrids were evaluated at a plant population of 32,000 plants per acre. Plots are planted at a higher rate and thinned to achieve the target population.

Yields are corrected to 15.5% moisture content.

The Manitoba Corn Committee publishes the annual results with all yearly data in their brochure, which is available by calling the Manitoba Corn Growers Association office at 204-745-6661.

CHU <sup>1</sup>	Hybrid	Technology/ Genetic Traits <sup>2</sup>	Distributor	Morden			Carman			St. Pierre		
				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	P7005AM	YGCB/HX1/LL/RR2	DuPont Pioneer	—	—	—	—	—	—	141	22.0	55.5
2050	P7202AM	YGCB/HX1/LL/RR2	DuPont Pioneer	126	23.4	52.2	155	21.9	55.0	165	23.0	53.9
2050	P7211HR	HX1/LL/RR2	DuPont Pioneer	104	21.0	53.8	—	—	—	143	20.5	53.6
2050	TH 7673 VT2P	VT2PRIB	Thunder Seed	148	25.7	55.2	154	22.0	56.0	164	23.5	55.0
2075	DKC23-17RIB	VT2P	Monsanto Canada	—	—	—	—	—	—	165	21.0	54.5
2100	E44H12R	GENVT2P	Elite Seeds	148	24.4	54.5	141	23.2	55.6	161	24.0	54.8
2100	NS 72-521	VT2PRIB	NorthStar Genetics	—	—	—	—	—	—	171	22.2	54.9
2100	TH 6875 VT2P	VT2PRIB	Thunder Seed	172	26.0	51.8	164	23.8	53.8	198	22.1	52.8
2100	TH 7574 VT2P	VT2PRIB	Thunder Seed	172	26.7	54.2	167	23.9	56.4	175	24.5	53.6
2125	PV 60075 RR	RR2	Crop Production Services	—	—	—	—	—	—	166	23.8	53.9
2125	P7227R	RR2	DuPont Pioneer	116	21.7	51.5	176	22.6	55.3	182	23.2	53.2
2150	PV 60075 RIB	VT Double Pro RIB	Crop Production Services	138	26.9	53.6	141	23.4	55.7	187	21.8	55.7
2150	DKC26-40RIB	VT2P	Monsanto Canada	—	—	—	—	—	—	186	22.8	54.5
2150	P7527AM	YGCB/HX1/LL/RR2	DuPont Pioneer	137	26.0	49.8	189	22.9	56.3	187	24.5	52.8
2150	LR 9473 RR	RR	Delmar Commodities	161	25.9	52.3	166	23.2	53.9	142	22.6	53.7
2150	MZ 1340DBR	GENVT2P	Maizex Seeds Inc.	166	25.6	52.2	188	24.1	53.9	200	22.1	55.1
2150	A4199G2 RIB	VT2PRIB	PRIDE Seeds	150	26.9	52.1	156	23.0	54.6	161	23.6	54.5
2150	NSTRExp31086	GTCBLLBL	Northstar Seed Ltd.	—	—	—	149	21.3	54.9	170	25.8	52.6
2175	PS 2210VT2P RIB	GENVT2P	DLF Pickseed Canada Inc.	181	27.8	52.5	172	22.4	54.5	194	22.0	53.3
2200	PS 2320RR	RR2	DLF Pickseed Canada Inc.	187	32.3	53.1	185	25.0	53.6	208	24.2	53.7
2200	HZ 1452	Agrisure 3120 EZ	Horizon Seeds Canada Inc.	143	25.9	54.6	138	21.7	57.4	168	22.1	55.6
2200	LR 9573 VT2PRIB	VT2PRIB	Delmar Commodities	169	29.7	53.2	169	22.7	55.0	178	23.1	55.5
2200	A4415G2 RIB	VT2PRIB	PRIDE Seeds	—	—	—	—	—	—	169	22.8	54.3
2200	TH 7677 VT2P	VT2PRIB	Thunder Seed	185	28.7	52.6	167	21.9	55.2	189	23.3	53.6
2200	TH 4578 RR	RR2	Thunder Seed	178	27.7	53.1	166	23.6	53.3	205	22.8	53.6
2200	NSTRExp47068	GTCBLLBL	Northstar Seed Ltd.	—	—	—	163	22.7	55.3	185	21.5	55.4
2225	P7632AM	YGCB/HX1/LL/RR2	DuPont Pioneer	171	26.5	51.1	185	23.7	53.3	185	22.7	53.0
2225	E47A12 R	GENVT2P	Elite Seeds	173	30.2	52.2	177	23.4	54.6	165	23.7	54.0
2225	LR 9474 VT2PRIB	VT2PRIB	Delmar Commodities	153	31.1	52.2	166	24.2	54.1	189	23.8	52.7
2225	LR 9874 VT2PRIB	VT2PRIB	Delmar Commodities	155	27.0	52.5	161	23.8	54.1	170	22.5	54.6
2225	TH 7578 VT2P	VT2PRIB	Thunder Seed	193	30.1	52.5	166	23.2	53.0	202	22.4	54.4
2250	PV 61079 RIB	VT Double Pro RIB	Crop Production Services	161	29.7	50.7	166	24.8	53.1	178	23.8	52.7
2250	39V05	RR2	DuPont Pioneer	148	24.1	52.8	176	21.8	55.4	181	22.0	54.9
2250	HZ 1885	Agrisure 3010	Horizon Seeds Canada Inc.	165	29.5	52.9	160	23.8	55.3	173	23.5	54.5
2250	HZ 1686	Agrisure GT	Horizon Seeds Canada Inc.	172	27.8	52.9	160	24.0	55.6	176	23.6	54.2
2250	MZ 1633DBR	GENVT2P	Maizex Seeds Inc.	187	27.4	51.9	167	22.9	54.1	200	22.3	53.4
2275	PS 2333RR	RR2	DLF Pickseed Canada Inc.	183	32.2	53.6	176	26.3	54.0	210	24.0	53.5
2275	P7958AM	YGCB/HX1/LL/RR2	DuPont Pioneer	173	28.3	51.5	196	24.7	53.9	184	24.1	52.4
2275	39V09AM	YGCB/HX1/LL/RR2	DuPont Pioneer	155	26.3	50.6	172	22.3	54.3	188	23.6	54.0
2275	LR 9676 VT2PRIB	VT2PRIB	Delmar Commodities	160	25.9	53.0	171	24.2	54.8	180	22.2	55.3
2300	PS 2420RR	RR2	DLF Pickseed Canada Inc.	207	31.6	53.2	184	24.8	54.4	207	23.7	54.1
2300	PS 2444VT2P RIB	GENVT2P	DLF Pickseed Canada Inc.	192	32.8	52.6	172	24.8	52.8	183	23.7	53.0
2300	MZ 1624DBR	GENVT2P	Maizex Seeds Inc.	194	28.1	53.2	185	23.8	54.4	206	22.6	55.7
2300	NSTRExp13110	GTCBLLBL	Northstar Seed Ltd.	—	—	—	164	24.2	53.7	182	22.5	53.2

CHU <sup>1</sup>	Hybrid	Technology/ Genetic Traits <sup>2</sup>	Distributor	Morden			Carman			St. Pierre		
				Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)
2325	XP17079G2	VT2P	PRIDE Seeds	188	28.6	51.8	166	23.7	53.5	192	23.0	53.1
2350	A4939G2 RIB	VT2PRIB	PRIDE Seeds	179	27.4	50.9	174	23.3	54.2	210	21.3	54.5
2350	X17-3136b	GENVT2P	Elite Seeds	184	29.3	52.1	174	23.0	53.7	196	22.7	54.0
2350	HZ 675	Agrisure 3010	Horizon Seeds Canada Inc.	166	32.4	52.7	172	25.9	53.1	198	24.1	53.7
2350	TH 7681 VT2P	VT2PRIB	Thunder Seed	188	29.1	52.0	175	22.3	54.4	189	22.8	53.4
2400	DS80A27	SSX	Dow AgroSciences	168	30.8	48.3	172	26.8	51.4	190	25.2	51.2
2400	CNX160036VX	PowerCore	Dow AgroSciences	139	26.8	50.0	173	24.9	53.8	150	25.3	52.4
2400	E50P52 R	GENVT2P	Elite Seeds	179	27.7	52.0	172	22.6	53.7	185	22.8	54.3
2450	DKC33-78RIB	VT2P	Monsanto Canada	188	28.3	52.5	167	23.4	54.5	194	22.9	54.1
2450	X15014VX	PowerCore	Dow AgroSciences	150	25.5	50.0	176	26.6	52.6	186	24.3	51.9
2450	E52V92 R	GENVT2P	Elite Seeds	196	28.8	52.3	177	23.0	55.0	197	23.3	52.9
2475	DKC32-12RIB	VT2P	Monsanto Canada	194	29.1	52.6	185	22.0	54.9	190	23.0	53.2
2475	A5095G2 RIB	VT2PRIB	PRIDE Seeds	163	29.9	50.6	177	26.0	52.4	201	23.8	52.1
2475	NSTRExp23220	GTCBLL	Northstar Seed Ltd.	—	—	—	159	23.8	55.0	165	25.7	51.1
2500	P8387AM	YGCB/HX1/LL/RR2	DuPont Pioneer	187	30.4	50.1	167	23.3	52.8	188	24.1	52.2
2500	A5151G2 RIB	VT2PRIB	PRIDE Seeds	191	31.2	51.5	182	26.1	52.7	—	—	—
<b>Site Average</b>				168	27.9	52.2	169	23.6	54.3	182	23.2	53.8
CV %				7.3	6.0	1.1	7.9	5.0	2.6	7.0	6.3	2.2
Sign Diff				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LSD (0.05)				20	2.7	0.9	22	1.9	2.3	21	2.4	1.9
<b>Planting Date</b>				May 8, 2017			May 13, 2017			May 12, 2017		
<b>Harvest Date</b>				October 6, 2017			October 11, 2017			October 17, 2017		

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 is suitable for your growing region.

2 Canadian Seed Trade Association (CSTA) website provides a database for corn hybrids available in Canada at <http://cdnseed.org/list-of-corn-hybrids/>. Information includes technology brand name and refuge requirements.

# PV60075 RIB

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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 2018 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	2017 Yield % CRS-1	
			Carberry	Melita
Alyssa	82	13	—	—
Anka	81	10	—	—
Canda	108	22	105	93
CanMa	88	3	—	—
CFX-1	94	22	125	97
CFX-2	95	21	146	93
CRS-1	100	25	100	100
Delores	97	21	—	—
Finola <sup>®</sup>	60	16	—	—
Grandi <sup>®</sup>	91	5	132	93
GranMa	78	1	—	—
Joey	112	17	135	80
Judy	72	3	97	66
Jutta	94	8	—	—
Katani <sup>®</sup>	92	5	149	102
Piccolo <sup>®</sup>	83	5	113	81
Silesia	78	15	80	98
X59 <sup>®</sup>	102	16	131	116
<b>Varieties that are being evaluated for approval</b>				
Debbie	95	13	—	—
<b>CHECK CHARACTERISTICS</b>			<b>CRS-1 (lb/acre)</b>	850
CRS-1	1328	25	CV%	13
	lb/acre	site years	LSD%	34
			Sign Diff	Yes
			<b>Seeding Date</b>	15-May
			<b>Harvest Date</b>	23-May
				09-Sep