

Oilseed Crops

Variety Description Key

A "CHECK CHARACTERISTICS" line is at the bottom of each table for flax and soybeans to display the long term yield, number of site years, maturity and any other check attributes.

The check variety for each canola trial is indicated by the coloured line in that corresponding table. Canola varieties should only be compared within their own table, to that respective check.

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

"Resistance Level" ratings: HS = highly susceptible; S = susceptible; MS = moderately susceptible; MR = moderately resistant; R = resistant; '—' = not available.

Site Years Tested is the cumulative number of locations over the years that a variety has been tested against the check variety.

☞ Indicates a variety that is protected by Plant Breeder's Rights legislation that complies with UPOV 1978.

Ⓢ Indicates a variety that is protected by, or has been applied for and is pending, Plant Breeder's Rights legislation that complies with UPOV 1991.

Key to 2022 Yield Tables

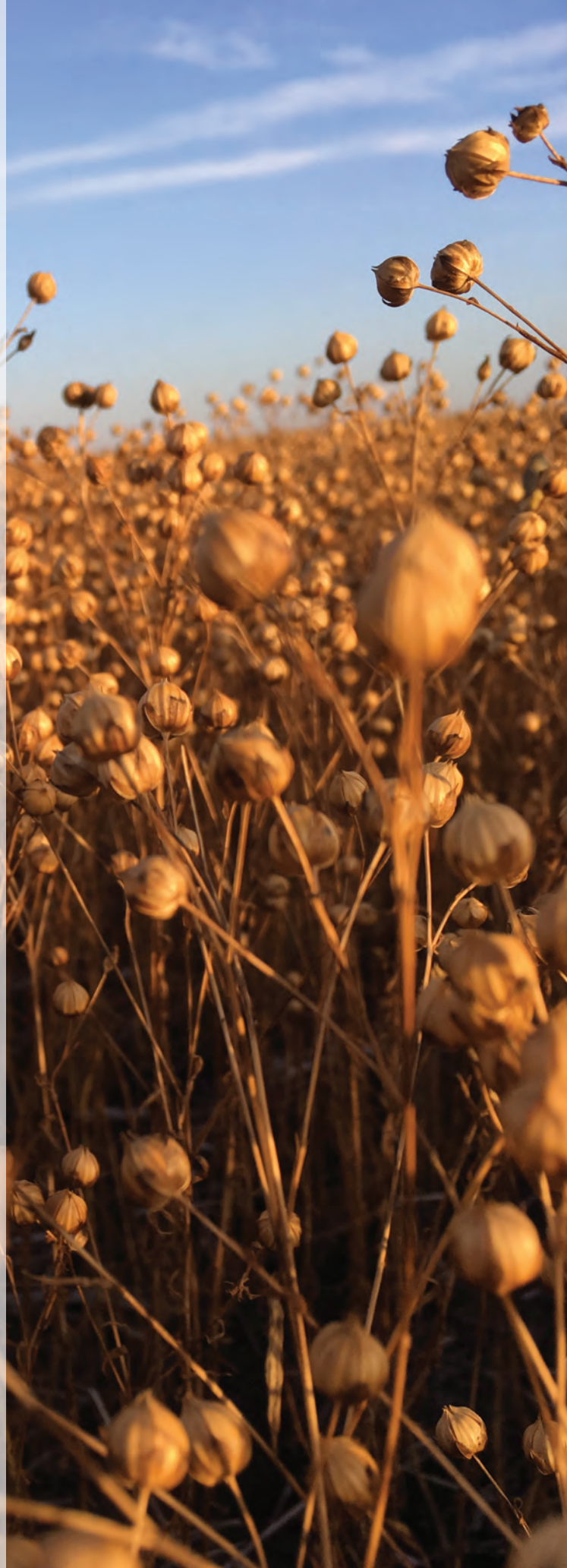
CV % = Coefficient of Variation. A measure of random variation in a trial. A low CV is desirable.

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. If no significant difference is noted, no LSD value is given.

Soybean Comments

For specific notes regarding the soybean tables, refer to the SOYBEAN COMMENTS at the top of page 66.



Manitoba Agriculture Variety Guide

CANOLA

All canola testing sites are divided into long, mid, and short-season zones. Only mid- and long-season zones apply to Manitoba.

All variety yields compared as a percentage of the check specific to that herbicide block and harvest type. To maintain trial consistency, and reduce risk of clubroot affecting yield trials, the check variety is a clubroot-resistant hybrid.

Canola yield trials are split into two categories: Standard Canola for traditionally swathed canola varieties, and Straight-Cut Canola for varieties marketed with pod-shatter tolerance.

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

Comments:

Variety descriptions summarize the performance of varieties tested in the 2022 Canola Performance Trials (CPT). Data donated by the CPT Committee. For more information visit www.canolaperformancetrials.ca.

Lodging is rated on a 1 to 5 scale, where 5 is a completely lodged plant at harvest.

Blackleg Resistance

All varieties in the table below have a resistant (R) rating for Blackleg (<30% infection of Westar check). Lesions and yield loss can still occur, based on the level of inoculum and blackleg pathotype in the field, in combination with environmental conditions conducive for disease development. Some seed distributors have chosen to provide blackleg resistance grouping based on major-gene (qualitative) resistance within that variety in addition to the traditional rating. Labels identifying major resistance genes present will use the letters: A, B, C, D, E1, E2, F, G, H, and X. Adult-plant (quantitative) resistance remains an important factor. Visit www.blackleg.ca for details on how resistance groups work.

Clubroot Resistance

Clubroot is a long-lived soil-borne disease that can impact canola performance. Using clubroot resistant varieties in Rural Municipalities where clubroot has been found is highly recommended as a risk mitigation tool. See page 60 for the map indicating clubroot distribution in Manitoba. To know for sure if your own fields have clubroot, soil testing is the only way to find out prior to finding galls in the field. Clubroot resistance is generally termed 1st or 2nd Generation based on genetic source. First-generation clubroot resistance confers resistance to clubroot pathotypes 2F, 3H, 5I, 6M, and 8N, on the Canadian Clubroot Differential Set (Strelkov et al., 2018). Second-generation sources contain resistance to a varying set of pathotypes outside the original five first-generation pathotypes, but may also have resistance to the original five.

For further information on clubroot resistance labels, please visit www.clubroot.ca, refer to the company website, or speak with your seed representative.

Pod Shatter Resistance

The pod shatter rating scale was developed by the Canola Council of Canada in 2021. Varieties that have not been rated on the new scale are marked as "Y" if they contain some form of enhanced pod shatter resistance, or — if they do not. Numeric pod shatter ratings are provided by their respective companies, or may not yet be identified on the new rating system.

LIBERTY LINK CANOLA

Variety Description

Distributor	Name	Herbicide Tolerance ³	Manitoba CPT Data ¹					WCC/RRC Data ²		
			# of Sites	Yield (% of check)	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	Blackleg Resistance ⁴ (Group)	Clubroot Resistance ⁴ (Generation)	Pod Shatter Rating ⁵ (1-9)
Liberty Link - Straight Cut										
BREVANT seeds	B3010M	LL	6	87	61	90	2.3	R	R (1+2)	Y (6)
CANTERRA SEEDS	CS4000 LL	LL	6	92	64	88	3.0	R	R (1)	Y
DEKALB	DKLL 82 SC	LL	6	88	62	90	2.2	R (A,C,G)	—	Y
DEKALB	DKTFLL 21 SC	LL/TF	6	88	61	88	3.1	R (A,C,G)	—	Y
BASF InVigor	L340PC	LL	6	100	70	89	2.3	R	R (1)	Y (8)
BASF InVigor	L343PC	LL	6	95	67	90	2.5	R	R (1+2)	Y (8)
BASF InVigor	L345PC	LL	6	96	67	91	3.0	R	R (1)	Y (8)
BASF InVigor	L356PC	LL	6	101	71	91	2.2	R	R (1)	Y (8)
Pioneer Brand Seeds	P505MSL	LL	6	94	66	91	2.6	R	R (1)	Y
Pioneer Brand Seeds	P506ML	LL	6	92	64	89	2.7	R	R (1)	Y
	LSD			10	7					
Liberty Link - Swathed										
WinField United CROPLAN	CP21L3C	LL	6	91	59	87	2.1	R	R (1)	—
BREVANT seeds	B3011	LL	6	79	52	89	2.4	R	R (1)	5
BASF InVigor	L340PC	LL	6	100	65	88	2.1	R	R (1)	Y (8)
Pioneer Brand Seeds	P501L	LL	6	94	59	87	2.0	R	R (1)	—
	LSD			10	6					

1 Data from independent post-registration canola hybrid testing in the Canola Performance Trials.

2 Data from canola hybrid registration testing at Western Canadian Canola/Rapeseed Recommending Committee Trials.

3 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield

4 Genetic disease resistance is indicated with an "R" resistant rating to Blackleg, Clubroot, based on variety descriptions submitted to CFIA.

5 The Canola Council of Canada rating system indicates that 1 = poor, 9 = excellent pod shatter resistance.

ROUNDUP READY CANOLA

Variety Description

Distributor	Name	Herbicide Tolerance ³	Manitoba CPT Data ¹					WCC/RRC Data ²		
			# of Sites	Yield (% of check)	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	Blackleg Resistance ⁴ (Group)	Clubroot Resistance ⁴ (Generation)	Pod Shatter Rating ⁵ (1-9)
Roundup Ready - Straight Cut										
Pioneer Brand Seeds	45CM39	RR	6	100	63	90	3.2	R	R (1+2)	Y
BREVANT seeds	D3158CM	RR	6	98	62	89	2.9	R	R (1)	Y (7)
LSD				11	6					
Roundup Ready - Swathed										
Pioneer Brand Seeds	45CM39	RR	6	100	57	88	2.8	R	R (1+2)	Y
Pioneer Brand Seeds	45H42	RR	6	100	57	89	2.6	R	R (1)	—
BREVANT seeds	1028 RR	RR	6	95	55	92	2.6	R	R (1)	5
LSD				10	6					

1 Data from independent post-registration canola hybrid testing in the Canola Performance Trials.

2 Data from canola hybrid registration testing at Western Canadian Canola/Rapeseed Recommending Committee Trials.

3 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield

4 Genetic disease resistance is indicated with an "R" resistant rating to Blackleg, Clubroot, based on variety descriptions submitted to CFIA.

5 The Canola Council of Canada rating system indicates that 1 = poor, 9 = excellent pod shatter resistance.

TRUFLEX CANOLA

Variety Description

Distributor	Name	Herbicide Tolerance ³	Manitoba CPT Data ¹					WCC/RRC Data ²		
			# of Sites	Yield (% of check)	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	Blackleg Resistance ⁴ (Group)	Clubroot Resistance ⁴ (Generation)	Pod Shatter Rating ⁵ (1-9)
TruFlex - Straight Cut										
BrettYoung	BY 6211TF	TF	5	107	62	89	3.4	R (C,G)	—	Y
WinField United CROPLAN	CP21T3P	TF	5	103	60	91	3.6	R (A,G)	—	Y (7)
CANTERRA SEEDS	CS2600 CR-T	TF	5	100	58	86	4.2	R (C)	R (1+2)	Y
CANTERRA SEEDS	CS3000	TF	5	107	63	89	3.7	R (A,G)	R (1+2)	Y
CANTERRA SEEDS	CS3100	TF	5	91	53	92	2.5	R (A,D,E ₂)	R (1+2)	Y
DEKALB	DKTF 97 CRSC	TF	5	102	60	88	3.4	R (A,G)	R (1)	Y
DEKALB	DKTF 99 SC	TF	5	107	62	89	3.8	R (G)	—	Y
Nutrien Ag Solutions Proven Seed	PV 761 TM	TF	5	105	61	91	3.0	R	—	Y
LSD				10	6					
TruFlex - Swathed										
BrettYoung	BY 6207TF	TF	6	93	50	97	1.8	R (C)	R (1+2)	—
CANTERRA SEEDS	CS2600 CR-T	TF	6	100	53	86	3.8	R (C)	R (1+2)	Y
DEKALB	DKTF 98 CR	TF	6	100	53	86	3.2	R (A,C)	R (1+2)	—
LSD				13	7					

1 Data from independent post-registration canola hybrid testing in the Canola Performance Trials.

2 Data from canola hybrid registration testing at Western Canadian Canola/Rapeseed Recommending Committee Trials.

3 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield

4 Genetic disease resistance is indicated with an "R" resistant rating to Blackleg, Clubroot, based on variety descriptions submitted to CFIA.

5 The Canola Council of Canada rating system indicates that 1 = poor, 9 = excellent pod shatter resistance.

Variety Description

Distributor	Name	Herbicide Tolerance ³	Manitoba CPT Data ¹				WCC/RRC Data ²			
			# of Sites	Yield (% of check)	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	Blackleg Resistance ⁴ (Group)	Clubroot Resistance ⁴ (Generation)	Pod Shatter Rating ⁵ (1-9)
Clearfield - Swathed										
BrettYoung	BY 5125CL	CL	6	100	51	91	2.7	R (C)	R (1)	—
BREVANT seeds	B2030MN	CL	6	108	55	90	2.7	R	R (1)	6
CANTERRA SEEDS	CS2500 CL	CL	6	103	53	89	2.7	R (C)	—	—
CANTERRA SEEDS	CS2700 CL	CL	6	99	51	91	2.3	R (A,E ₂)	R (1+2)	—
Pioneer Brand Seeds	P508MCL	CL	6	113	58	88	2.9	R	—	—
Pioneer Brand Seeds	P607CL	CL	6	114	58	90	2.5	R	R (1)	—
Nutrien Ag Solutions Proven Seed	PV 280 CLC	CL	6	117	60	88	2.5	R	R (1+2)	—
LSD				14	7					

1 Data from independent post-registration canola hybrid testing in the Canola Performance Trials.

2 Data from canola hybrid registration testing at Western Canadian Canola/Rapeseed Recommending Committee Trials.

3 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield

4 Genetic disease resistance is indicated with an "R" resistant rating to Blackleg, Clubroot, based on variety descriptions submitted to CFIA.

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Get to **the root** of the problem.

Mitigate clubroot and maintain profitability

by using clubroot resistance (CR) as part of an integrated prevention and management plan.

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CANOLA (continued)

Yield Comparisons

Distributor	Name	LONG SEASON ZONE				MID SEASON ZONE		
		Brunkild	High Bluff	Morden	Souris	Dauphin	Hamiota	Swan River
Liberty Link - Straight Cut (bu/ac)								
BREVANT seeds	B3010M	52	49	63	—	61	74	68
CANTERRA SEEDS	CS4000 LL	69	43	73	—	65	76	55
DEKALB	DKLL 82 SC	58	47	64	—	60	74	67
DEKALB	DKTFL 21 SC	60	44	64	—	63	72	64
BASF InVigor	L340PC	64	50	84	—	66	78	76
BASF InVigor	L343PC	52	51	78	—	68	78	72
BASF InVigor	L345PC	58	55	79	—	63	82	67
BASF InVigor	L356PC	64	52	81	—	64	82	82
Pioneer Brand Seeds	P505MSL	75	45	76	—	60	77	61
Pioneer Brand Seeds	P506ML	67	47	72	—	63	74	63
	Mean	62	48	73		63	77	68
	LSD (bu/ac)	8	5	10		6	5	6
	CV	9	7	10		7	5	6

Liberty Link - Swathed (bu/ac)								
WinField United CROPLAN	CP21L3C	51	37	71	—	64	75	56
BREVANT seeds	B3011	46	35	68	—	57	58	46
BASF InVigor	L340PC	62	47	75	—	64	73	68
Pioneer Brand Seeds	P501L	57	45	72	—	63	74	56
	Mean	54	41	72		62	70	57
	LSD (bu/ac)	9	4	6		4	6	8
	CV	10	6	6		4	5	8

Roundup Ready - Straight Cut (bu/ac)								
Pioneer Brand Seeds	45CM39	—	41	70	65	61	75	66
BREVANT seeds	D3158CM	—	41	74	59	62	71	62
	Mean		41	72	62	62	73	64
	LSD (bu/ac)		6	14	7	3	5	7
	CV		6	8	5	2	3	5

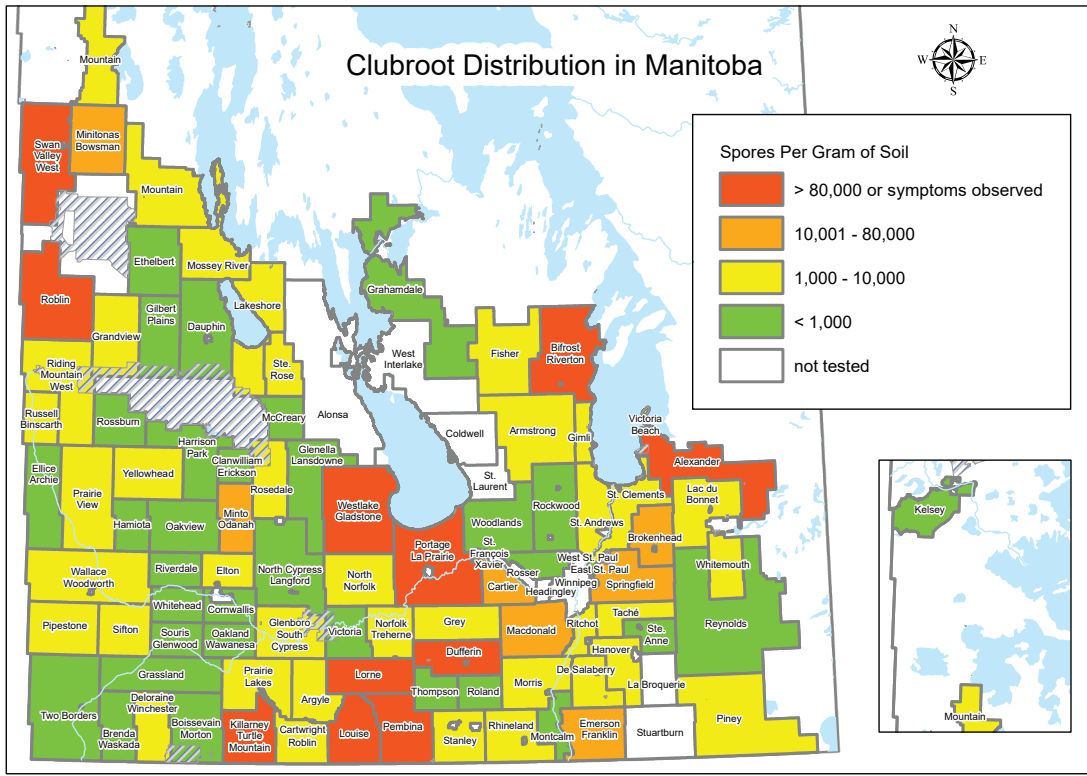
Roundup Ready - Swathed (bu/ac)								
Pioneer Brand Seeds	45CM39	—	39	70	45	57	71	61
Pioneer Brand Seeds	45H42	—	42	72	48	53	68	58
BREVANT seeds	1028 RR	—	37	65	57	47	60	61
	Mean		39	69	50	52	66	60
	LSD (bu/ac)		5	4	8	9	4	5
	CV		7	3	9	10	4	5

Yield Comparisons

Distributor	Name	LONG SEASON ZONE				MID SEASON ZONE		
		Brunkild	High Bluff	Morden	Souris	Dauphin	Hamiota	Swan River
TruFlex - Straight Cut (bu/ac)								
BrettYoung	BY 6211TF	—	48	62	—	56	85	60
WinField United CROPLAN	CP21T3P	—	45	61	—	58	77	60
CANTERRA SEEDS	CS2600 CR-T	—	42	61	—	58	75	53
CANTERRA SEEDS	CS3000	—	49	67	—	61	72	63
CANTERRA SEEDS	CS3100	—	29	58	—	56	73	48
DEKALB	DKTF 97 CRSC	—	44	61	—	58	71	64
DEKALB	DKTF 99 SC	—	49	67	—	56	80	60
Nutrien Ag Solutions Proven Seed	PV 761 TM	—	47	68	—	55	74	62
Mean			44	63		57	76	59
LSD (bu/ac)			3	7		6	8	5
CV			5	8		7	7	6

TruFlex - Swathed (bu/ac)								
BrettYoung	BY 6207TF	48	41	70	—	33	59	47
CANTERRA SEEDS	CS2600 CR-T	56	33	64	—	39	67	60
DEKALB	DKTF 98 CR	51	35	60	—	42	75	55
Mean			52	36	65	38	67	54
LSD (bu/ac)			9	4	6	4	9	9
CV			10	6	5	5	8	10

Clearfield - Swathed (bu/ac)								
BrettYoung	BY 5125CL	50	35	57	—	47	58	60
BREVANT seeds	B2030MN	62	42	55	—	45	65	63
CANTERRA SEEDS	CS2500 CL	45	34	62	—	60	54	61
CANTERRA SEEDS	CS2700 CL	54	36	59	—	39	57	59
Pioneer Brand Seeds	P508MCL	56	33	64	—	65	71	60
Pioneer Brand Seeds	P607CL	57	41	62	—	55	69	66
Nutrien Ag Solutions Proven Seed	PV280 CLC	58	36	66	—	67	69	64
Mean			54	37	61	54	63	62
LSD (bu/ac)			11	4	6	9	9	5
CV			13	8	7	11	9	5



Clubroot Spore Concentration Map

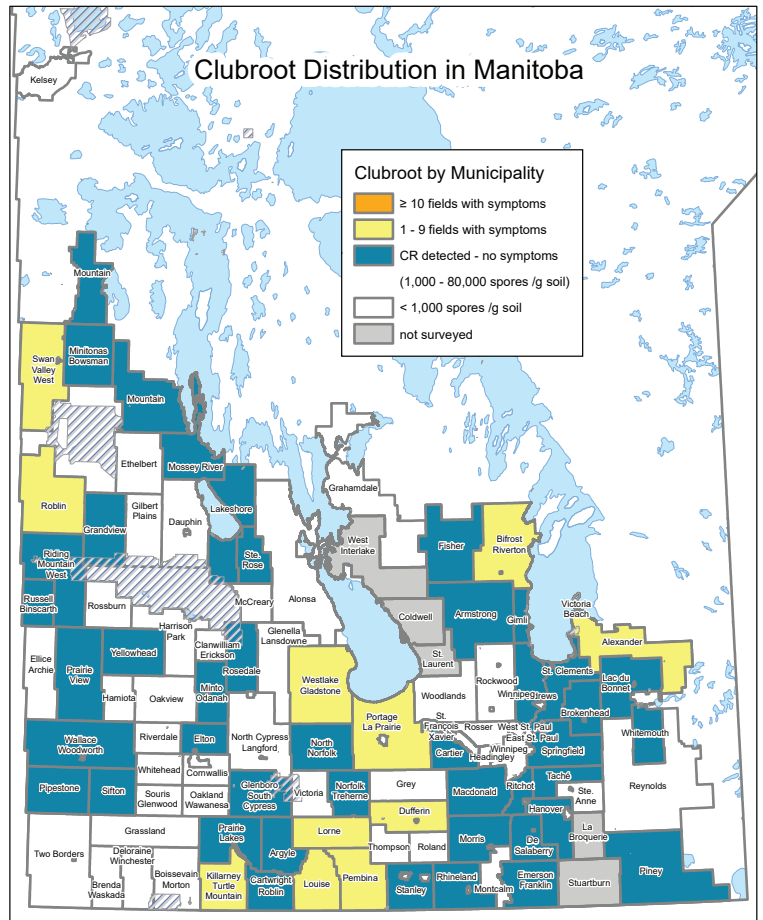
(October 2022):

The map shows positive clubroot findings by Rural Municipality (RM), discovered through visual field symptoms and presence of clubroot spores in soil through laboratory testing for DNA. Testing completed from 2009 to date is still considered limited, in that only one field per township (36 sq miles) was tested as a representative field to create the map. Positive findings have generally been at low concentrations, usually below 5,000 spores/gram soil – considered negligible - throughout the province. Currently there are 56 RMs in the low (yellow) to high (red) risk categories, where spore load is higher. As more fields are sampled, the map is updated.

Prairie-Harmonized Clubroot Distribution Map

(October 2022):

This alternative depiction of clubroot distribution situation in Manitoba is based on the same data as the clubroot spore concentration map. How do the two maps differ? Primarily in the number of categories. Another difference is that the alternative map identifies how many fields within an RM have had documented symptomatic cases (galls on canola roots), rather than the number of clubroot spores detected in the soil. Thus far, no Manitoba RMs have had 10 or more fields identified. This map is useful for those who farm and/or advise growers on either side of the Manitoba-Saskatchewan border. The Ministry of Agriculture in Saskatchewan posted this style of map early in 2021. Eventually, it will be possible for the release of a map that covers the whole prairie region, including Manitoba, Saskatchewan, Alberta, and the BC Peace River region.



FLAX

New for 2023

Variety	Code	Breeder	Distributor	Seed Availability
CDC Kernen [Ⓢ]	FP2573	Crop Development Centre	SeCan	2023

Comments:

All variety descriptions other than yield are based on data from the Linseed Cooperative Trials in the Prairie Provinces.

MCVET flax testing was done in partnership with the University of Saskatchewan Crop Development Centre across all three Prairie Provinces in 2022.

All varieties are immune to rust.

All varieties are susceptible to pasmo.

Variety Descriptions

Variety	Site Years Tested	Yield bu/acre	Maturity +/- 102 days	Height +/- 68 cm	Seed Color	Seed Size TSW	Oil Content	Oil Quality ¹ :		Resistance Level:	
								Iodine Number	ALA Content	Lodging ²	Fusarium Wilt
AAC Bravo [Ⓢ]	31	34	1	0	brown	6.4	44.6	194.0	60.2	G	MR
AAC Bright [Ⓢ]	12	36	2	0	yellow	5.6	48.8	192.1	56.2	G	MR
AAC Marvelous [Ⓢ]	20	37	2	0	brown	5.8	47.1	192.1	55.8	G	MR
CDC Bethune [Ⓢ]	135	35	0	0	brown	5.8	45.6	188.6	54.7	G	MR
CDC Dorado [Ⓢ]	20	33	-1	-5	yellow	5.9	46.6	206.6	65.8	FG	MR
CDC Glas [Ⓢ]	38	36	1	3	brown	5.2	45.8	192.0	56.6	G	MR
CDC Kernen [Ⓢ]	14	37	1	0	brown	6.5	45.4	191.6	57.3	VG	MR
CDC Neela [Ⓢ]	25	35	1	3	brown	5.7	45.5	194.4	59.1	G	MR
CDC Plava [Ⓢ]	22	35	-2	-3	brown	5.7	46.5	195.5	57.2	G	MR
CDC Rowland [Ⓢ]	25	39	4	0	brown	6.8	45.2	195.1	59.2	G	MR
CDC Sorrel [Ⓢ]	57	35	1	3	brown	6.4	45.1	192.7	57.8	F	MR
Hanley [Ⓢ]	71	32	-2	-5	brown	5.7	44.7	197.7	58.6	VG	R
Lightning [Ⓢ]	41	33	1	-5	brown	6.0	47.6	192.5	56.1	G	MR
Topaz [Ⓢ]	13	34	0	0	brown	5.8	45.9	188.2	54.4	G	MR
VT50 [Ⓢ]	29	33	4	-5	yellow	5.1	47.1	209.4	67.6	VG	MR
WestLin 70	13	34	2	5	brown	6.4	45.8	194.5	61.9	G	MR
WestLin 71 [Ⓢ]	16	35	2	-5	brown	5.6	47.5	198.1	61.2	G	MR
WestLin 72 [Ⓢ]	30	34	3	-3	brown	5.4	47.0	192.8	57.0	VG	MR
Varieties supported for registration by the PRCO											
FP2591 [Ⓢ]	8	37	2	-2	brown	6.3	44.5	192.0	57.1	G	MR
GRAND MEAN (bu/ac)		36									
LSD (p<0.05)		2.2									

1 Oil quality of flax is based on the amount of linolenic acid measured in the seed or as measured by iodine value which is calculated from the fatty acid composition of the seed. A higher iodine value and/or higher ALA content indicates a higher overall oil quality in the seed.

2 E = Excellent; VG = Very Good; G = Good; FG = Fair to Good; F = Fair; PF = Poor to Fair; P = Poor.

Yield Comparisons

VARIETY	2022 Yield (bu/acre)				
	Carberry	Hamiota	Melita	Roblin	Rosenort
AAC Bright	36	56	46	49	32
CDC Dorado	29	52	42	37	27
CDC Glas	31	60	46	46	32
CDC Kernen	31	62	47	50	32
CDC Rowland	37	64	45	50	33
Varieties pending registration support by the PRCO					
FP2591	37	59	47	48	31
SITE GRAND MEAN (bu/ac)	34	58	43	47	31
CV %	10.0	5.6	6.8	6.5	7.3
LSD (bu/ac)	6	5	5	5	4
Sign Diff	Yes	Yes	Yes	Yes	Yes
Seeding Date	26-May	16-May	16-May	24-May	27-May
Harvest Date	08-Sep	27-Sep	13-Sep	24-Oct	11-Oct

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SOYBEANS

NOTES FOR ALL SOYBEAN TABLES

Maturity Notes:

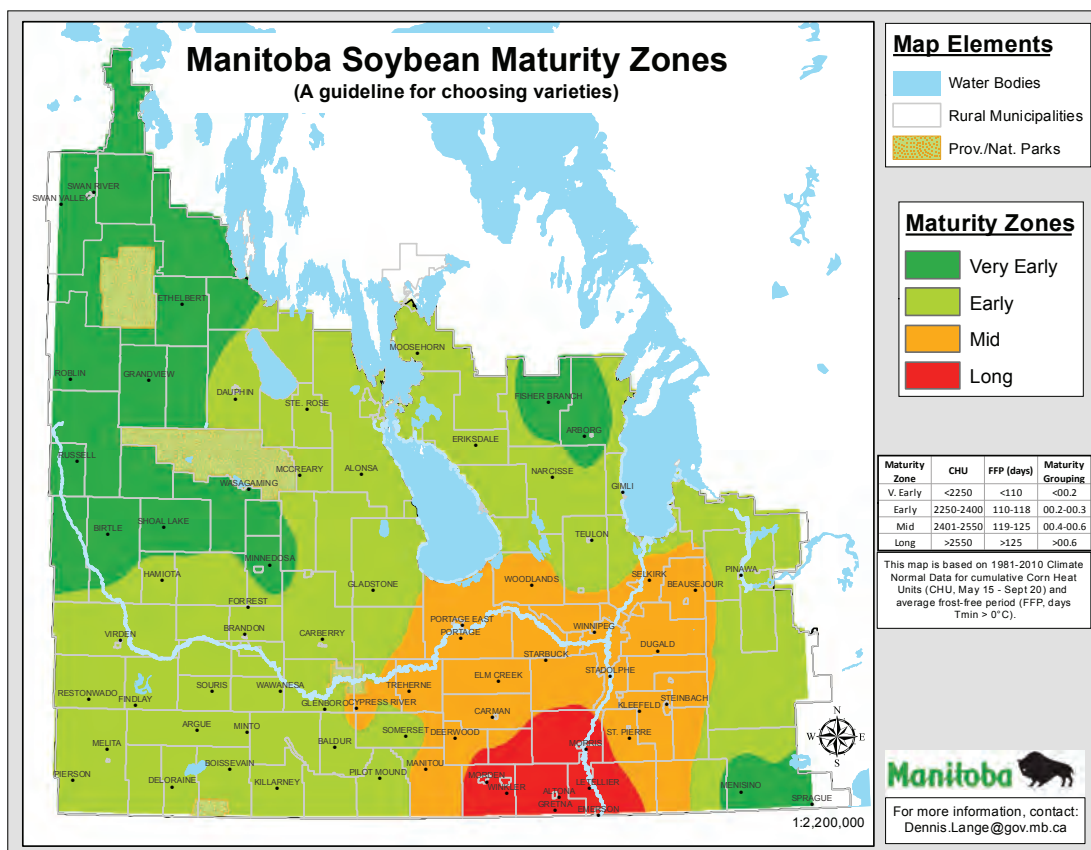
- 1 Soybean varieties have been organized into 4 maturity zones - very early, early, mid and long season areas.
- 2 Maturity grouping is a ranking of maturity provided by seed suppliers. Rankings are assigned to assist growers in selecting varieties suited for their area.
- 3 Relative days to maturity is the number of days from seeding to plant maturity (95% of the pods on plant are mature with seeds rattling in the pods when plant is shaken). Expressed as + or - days from the check. Caution needed when using only one year data to evaluate maturity and yield. Using multiple years will provide a better indication on how a variety will mature with different growing seasons. Actual days to maturity for the check is found in the grey characteristics check box at the bottom of the table.

General Notes:

- 1 Roundup Ready and Conventional soybean varieties are evaluated separately, meaning direct comparison of varieties between different tables is not possible. All trials are solid seeded at 210,000 seeds/acre.
- 2 Hilum colour can range from Yellow (Y), Imperfect Yellow (IY), Grey (G), Brown (BR), Buff (BF), Tan(TN), Clear (CL), Imperfect Black (IB) or Black (BL) and is solely a marketing issue. The hilum is the point on the soybean seed where it attaches to the pod.
- 3 Iron Deficiency Chlorosis (IDC) rating scores 1=green leaves, 2=yellowish leaves, 3=green veins with yellow leaves, 4=brown dead tissue between green veins, 5=severe chlorosis and a stunted growing point. Ratings were taken from a site prone to iron chlorosis over the last 3 years. IDC tolerant varieties are varieties with lower IDC Scores and perform better on soils prone to iron deficiency.
- 4 Iron Deficiency Chlorosis (IDC) grouping is used because varieties will have different visual rating scores from year to year. Numerical ratings which are close but are in different groupings will show similar symptoms. Both numerical ratings and groupings should be considered together when judging IDC. Tolerant=leaves stayed green, Semi Tolerant=leaves turn yellow then turn green, Susceptible= leaves went chlorotic and had dead patches on their leaves and were often stunted.

MANITOBA SOYBEAN MATURITY MAP

The Soybean Maturity Map outlines the longest maturity suggested for each production area but earlier varieties can also perform well. Use in conjunction with Soybean Variety Description table which outlines varieties according to maturity zones.



WESTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

Comments:

The western Manitoba soybean variety trial was sponsored by the Manitoba Pulse & Soybean Growers

Variety Descriptions

Maturity Zone	Variety	Yield %	Site Years	Maturity days	IDC ²	Resistance		2022 Yield % of Akras R2					
		Check	Tested	+/- Check ¹	Rating/Group	SCN ³	PRR ⁴	Dauphin	Hamiota	Holland	Melita	Souris	Swan River
Very Early Season Zone	EVO E3	87	6	-9	2.4 / S	—	—	91	91	84	86	88	79
	BY Rundle XT	92	12	-8	2.1 / ST	Yes	1c,3a	102	93	92	91	85	89
	S0009-F2X	97	12	-8	2.0 / ST	—	1c	96	99	100	95	98	95
	DKB0003-24	92	12	-7	1.9 / ST	Yes	1c,1k	104	112	100	83	79	94
	PV 27s0005R2X	81	6	-7	2.1 / ST	Yes	1k	99	78	82	87	75	65
	S0007-S1X	91	6	-7	2.7 / S	—	1c,3a	95	97	89	93	94	76
	NSC Dauphin RR2X	83	12	-7	2.3 / S	—	1c	89	72	82	80	74	78
	Amirani R2	87	19	-6	1.8 / ST	—	1k	98	96	81	87	74	86
Wolf R2X	95	6	-6	2.0 / ST	Yes	3a	108	93	88	96	89	96	
Early Season Zone	NSC EXP001LX	94	11	-5	2.0 / ST	—	1c, 3a	100	98	96	84	90	81
	Polo R2X	100	6	-5	2.1 / ST	—	—	100	103	102	100	106	85
	Briggs R2X	102	6	-4	1.9 / ST	—	—	107	108	93	95	105	104
	S001-D8X	100	17	-4	2.0 / ST	—	1c	100	104	88	93	90	104
	BY Morro XT	99	5	-4	2.6 / S	Yes	3b	108	102	90	93	99	—
	Major R2X	96	6	-4	2.1 / ST	—	—	99	98	88	88	102	103
	P001A48X	102	19	-4	1.8 / ST	—	1c	116	106	95	99	106	116
	B0012RX	106	12	-4	1.7 / T	—	1k,6	103	114	111	96	109	111
	Pikas R2X	87	6	-3	1.8 / ST	Yes	1c	94	92	75	88	84	95
	S003-R5X	105	6	-3	2.1 / ST	—	1c	116	112	110	102	108	103
	PV 24s0008R2X	94	6	-3	1.7 / T	Yes	—	97	95	93	90	97	91
	TH89004 R2X	95	19	-3	1.9 / ST	—	1c	94	89	90	87	81	94
	DKB0005-03	95	6	-2	—	—	1c	110	96	91	86	101	78
	SI 00221XTN	101	6	-2	1.9 / ST	Yes	1c	105	106	111	90	96	93
	Young R2X	101	12	-2	1.7 / T	Yes	1c	105	94	102	92	108	106
	P003A97X	102	19	-2	1.8 / ST	Yes	1k	113	111	91	99	103	96
	S003-Z4X	103	19	-2	1.8 / ST	—	1c	99	106	96	98	108	99
	TH830009X	99	6	-2	2.1 / ST	—	1c	105	103	93	95	104	88
	SI 000919XT	96	17	-1	1.7 / T	—	—	104	103	94	85	93	77
	PV 28s001R2X	97	6	-1	1.8 / ST	Yes	1c	106	98	93	95	90	98
	P005A83X	106	19	-1	1.7 / T	Yes	1c	110	107	109	93	98	102
	DKB0008-87	101	12	-1	1.9 / ST	Yes	1c,1k	106	105	95	85	104	103
	SI 001XTN	99	24	-1	1.8 / ST	Yes	1k	105	98	95	91	104	108
	NSC Arden RR2X	100	6	0	2.0 / ST	—	1c	109	110	97	96	107	71
Sunna R2X	100	22	0	1.7 / T	Yes	1c	98	106	98	88	102	103	
S005-C9X	105	14	0	2.3 / S	—	1c	104	108	103	95	102	—	
B0041RX	105	10	0	1.7 / T	—	1k	118	107	98	97	107	—	
Hart R2X	102	11	0	2.0 / ST	—	1c	108	116	97	96	98	—	
Akras R2	100	43	0	1.7 / T	—	1c	100	100	100	100	100	100	
BY Logan XT	94	6	0	2.1 / ST	Yes	1c	100	99	99	89	94	81	
P005A27X	103	24	0	1.8 / ST	—	1c	103	118	108	98	101	120	
P005A59E	104	6	0	1.8 / ST	—	1c	108	111	105	95	102	100	
NSC Holland RR2X	100	5	0	2.0 / ST	—	1c	112	100	97	92	95	—	
Experimental lines that are being tested / proposed for registration in Canada													
	CP000621WPX	89	6	-4	2.4 / S	—	1c	95	93	85	88	93	80
Mid Season Zone	Mikado R2X	97	10	1	2.0 / ST	Yes	1c	99	98	99	87	96	—
	SI 00321XT	98	6	1	2.3 / S	—	1c	108	102	99	85	91	94
	PV 22s002 R2X	102	12	1	2.0 / ST	—	—	106	102	100	91	103	102
	TH 87003 R2X	97	28	1	1.8 / ST	Yes	1c	108	101	101	91	102	—
	Merino R2X	106	5	2	1.7 / T	Yes	1k	105	118	105	92	106	—
	S006-K3X	104	5	2	1.7 / T	Yes	1c	106	99	112	86	108	—
	Bourke R2X	102	16	3	1.8 / ST	—	1k	100	99	105	86	104	—
	PV 16s004 R2X	101	20	3	1.8 / ST	Yes	1k	101	115	104	85	99	—
	DKB002-32	105	11	3	1.8 / ST	Yes	1k	107	114	98	95	118	101
	TH82006 R2X	110	5	4	2.0 / ST	—	3a,1c	113	117	113	86	114	—
	TH82005 R2X	107	10	4	1.9 / ST	—	1k	114	110	101	92	106	—
	SI 00421XT	99	6	4	2.4 / S	—	1a,6	109	103	95	86	99	100
Mako R2X	108	5	4	1.8 / ST	—	1c	106	119	106	85	120	—	
CHECK CHARACTERISTICS						Akras R2 (bu/ac)		76	72	86	50	72	55
Akras R2						CV%		6.2	7.8	7.1	5.3	5.7	7.7
bu/acre site years days						LSD%		10	13	11	8	9	12
						Sign Diff.		Yes	Yes	Yes	Yes	Yes	Yes
						Seeding Date		03-Jun	27-May	26-May	26-May	26-May	27-May
						Harvest Date		19-Oct	09-Oct	11-Oct	21-Sep	14-Oct	05-Oct

1 Relative days to maturity based on multiple year average.

2 Iron Deficiency Chlorosis (IDC) Groupings -These ratings determined at a separate trial near Winnipeg that is prone to IDC; T-Tolerant, ST-Semi-Tolerant, S-Susceptible

3 SCN -Soybean Cyst Nematode Resistance

4 PRR-Phytophthora Race Specific Resistant Genes

EASTERN MANITOBA CONVENTIONAL SOYBEANS

Comments:

The eastern Manitoba conventional soybean variety trial was sponsored by Manitoba Pulse & Soybean Growers

Variety Descriptions

Maturity Zone	Variety	Yield % Check	Site Years Tested	Maturity (days) ¹ +/- of Check	Hilum Colour	IDC ² Rating/Group	
Very Early Season Zone	AAC Halli [Ⓞ]	88	14	-8	Y	1.8 / ST	
	Siberia	92	14	-7	IY	2.0 / ST	
Experimental lines that are being tested / proposed for registration in Canada							
	OT22-07	76	4	-14	Y	1.8 / ST	
	SVX22T000S32	91	5	-10	IY	2.3 / S	
	OT18-09	91	1	-7	Y	2.0 / ST	
Early Season Zone	OAC Prudence	88	14	-4	Y	1.8 / ST	
	Rosser	94	11	-3	IY	2.0 / ST	
	Liska	100	14	0	IY	1.9 / ST	
	Reynolds	91	14	0	IY	2.1 / ST	
	Experimental lines that are being tested / proposed for registration in Canada						
		OT20-03	93	3	-4	Y	2.1 / ST
		OT22-08	86	1	-2	Y	2.1 / ST
		20SS01	95	4	-2	Y	2.1 / ST
		SVX22T000S33	96	5	-1	IY	2.3 / S
		CLS14-018.007	96	4	-1	IY	2.4 / S
		OT20-02	97	3	0	Y	2.0 / ST
		SVX23T00S46	87	4	0	IY	1.8 / ST
	20SS02	97	4	0	Y	2.3 / S	
Mid Season Zone	Abaca	112	9	1	IY	2.1 / ST	
	Kebek	96	14	2	Y	1.7 / T	
	Baffin	95	11	2	IY	2.0 / ST	
	Mozart	96	3	2	Y	1.6 / T	
	Aurelina	103	9	3	IY	1.9 / ST	
	Jago	101	11	4	Y	2.3 / S	
	Experimental lines that are being tested / proposed for registration in Canada						
		OT20-06	99	3	1	Y	2.3 / S
		DL22-3012	96	4	1	BR	2.0 / ST
		PR110328Z024	86	4	1	Y	2.1 / ST
		CLS14-018.018	93	4	1	IY	2.1 / ST
		SVX22T000S34	105	5	1	IY	2.0 / ST
		OT18-01	100	6	2	Y	1.9 / ST
		CLS13-005.008	94	3	2	IY	1.7 / T
		CLS14-001.008	90	4	3	IY	2.1 / ST
		19SS01	92	1	3	IY	2.0 / ST
		PR130989Z-26	97	1	4	Y	1.9 / ST
		19SS02	104	4	4	Y	1.9 / ST
	CLS14-005.027	93	1	4	IY	2.0 / ST	
	SVX22T00S35	98	5	4	IY	2.1 / ST	
	CLS14-017.015	99	1	4	IY	2.3 / S	
	CLS13-005.014	103	3	4	IY	1.8 / ST	
Long Season Zone	Maya [Ⓞ]	88	6	5	Y	2.1 / ST	
	Hana	95	3	6	Y	1.7 / T	
	Stanley	99	9	7	IY	2.0 / ST	
	Experimental lines that are being tested / proposed for registration in Canada						
		PR130835Z-50	88	1	7	Y	1.8 / ST
	DL21-3009	97	6	7	Y	2.0 / ST	
	DL21-3007	102	6	7	Y	2.0 / ST	
	DL18.3004	101	12	7	Y	2.1 / ST	
CHECK CHARACTERISTICS							
Liska		49 bu/acre	14 site years	124 days			

1 Maturity Ratings are averaged across the Carman, Morris, Portage, St. Adolphe sites

2 Iron Deficiency Chlorosis (IDC) Groupings - These long term ratings determined at a separate trial near Winnipeg that is prone to IDC;
T-Tolerant, ST-Semi-Tolerant, S-Susceptible

Yield Comparisons

Maturity Zone	Variety	2022 Yield: % of Liska			
		Early Sites			Core Sites
		Arborg	Beausejour	Stonewall	Carman
Very	AAC Halli [®]	87	96	108	80
	Siberia	81	110	96	93
Early Season	Experimental lines that are being tested / proposed for registration in Canada				
	OT22-07	62	98	68	75
	SVX22T000S32	—	—	—	82
	OT18-09	—	—	—	91
Early Season Zone	OAC Prudence	90	96	89	88
	Rosser	82	101	109	92
	Liska	100	100	100	100
	Reynolds	82	92	93	95
	Experimental lines that are being tested / proposed for registration in Canada				
	OT20-03	—	—	—	90
	OT22-08	—	—	—	86
	20SS01	88	106	98	89
	SVX22T000S33	—	—	—	89
	CLS14-018.007	95	94	105	94
OT20-02	—	—	—	96	
SVX23T00S46	79	101	76	88	
20SS02	94	102	104	91	
Mid Season Zone	Abaca	110	119	138	98
	Kebek	91	98	113	92
	Baffin	90	102	95	96
	Mozart	—	—	—	94
	Aurelina	105	117	93	89
	Jago	110	101	119	97
	Experimental lines that are being tested / proposed for registration in Canada				
	OT20-06	—	—	—	95
	DL22-3012	92	105	106	87
	PR110328Z024	70	89	88	95
CLS14-018.018	88	104	93	89	
SVX22T000S34	—	—	—	99	
OT18-01	—	—	—	96	
CLS13-005.008	—	—	—	88	
CLS14-001.008	78	99	98	89	
19SS01	—	—	—	92	
PR130989Z-26	—	—	—	97	
19SS02	99	119	105	96	
CLS14-005.027	95	94	105	93	
SVX22T00S35	—	—	—	86	
CLS14-017.015	—	—	—	99	
CLS13-005.014	—	—	—	92	
Long Season Zone	Maya [®]	—	—	—	86
	Hana	—	—	—	83
	Stanley	—	—	—	97
	Experimental lines that are being tested / proposed for registration in Canada				
	PR130835Z-50	—	—	—	88
	DL21-3009	91	103	94	90
DL21-3007	101	106	101	92	
DL18.3004	94	106	101	91	
Check Characteristics Liska (bu/acre)		67	67	47	77
	CV%	6.6	6.8	10.8	7.7
	LSD%	10	11	18	11
	Sign Diff.	Yes	Yes	Yes	Yes
	Seeding Date	26-May	27-May	04-Jun	22-May
	Harvest Date	11-Oct	20-Oct	08-Oct	05-Oct

WESTERN MANITOBA CONVENTIONAL SOYBEANS

Comments:

The western Manitoba conventionals data was sponsored by Manitoba Pulse & Soybean Growers

Variety Descriptions

Maturity Zone	Variety	Yield % Check	Site Years Tested	Hilum Colour	Maturity (days) ¹ +/- of Check	2022 Yield % OAC Liska		
						Melita	Swan River	
Very Early Season Zone	Ambella	93	6	BR	-10	108	91	
Early Season Zone	Siberia	98	8	IY	-3	107	95	
	AAC Halli ^o	98	10	Y	-3	106	101	
	Reynolds	101	4	IY	0	105	103	
	OAC Prudence	92	13	Y	0	95	94	
Mid Season Zone	Liska	100	6	IY	0	100	100	
	Pamela	93	2	IY	1	109	78	
	Experimental lines that are being tested / proposed for registration in Canada							
	PR110328Z024	110	2	Y	1	107	112	
SVX21T00S2	107	2	IY	2	108	106		
CHECK CHARACTERISTICS						Liska (bu/ac)	49	51
	Liska (bu/ac)	43	6		121	CV%	6.1	6.7
		bu/acre	site years		days	LSD%	—	11
						Sign Diff	No	Yes
						Seeding Date	26-May	27-May
						Harvest Date	21-Sep	04-Oct

¹ Maturity Rating locations - Melita and Swan River. Actual maturity will depend on seasonal growing conditions.

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EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

The eastern Manitoba herbicide tolerant soybean trial was sponsored by Manitoba Pulse & Soybean Growers

Variety Descriptions

Maturity Zone	Variety	Type ¹	Yield %	Site Years	Maturity (days) ²	Hilum Colour	IDC ³ Rating/Group	Resistance	
			Check	Tested	+/- of Check			SCN ⁴	PRR ⁵
Very Early Season Zone	BY Rundle XT	R2X	78	10	-13	BL	2.1 / ST	Yes	1c,3a
	NSC Dauphin RR2X	R2X	78	10	-12	IY	2.3 / S	—	1c
	P001A48X	R2X	95	21	-7	TN	1.8 / ST	—	1c
	P003A97X	R2X	98	15	-7	GR	1.8 / ST	Yes	1k
	BY Morro XT	R2X	91	4	-7	GR	2.6 / S	Yes	3b
	S001-D8X	R2X	87	16	-6	IY	2.0 / ST	—	1c
Early Season Zone	B0012RX	R2X	95	10	-5	BR	1.7 / T	—	1k, 6
	S003-R5X	R2X	98	7	-5	IY	2.1 / ST	—	1c
	Pikas R2X	R2X	88	4	-5	BL	1.8 / ST	Yes	1c
	B0041RX	R2X	102	10	-4	GR	1.7 / T	—	1k
	Young R2X	R2X	98	10	-4	BL	1.7 / T	Yes	1c
	Akras R2	R2Y	101	31	-3	BL	1.7 / T	—	1c
	BY Logan XT	R2X	93	4	-3	BL	2.1 / ST	Yes	1c
	S003-Z4X	R2X	96	16	-3	BF	1.9 / ST	—	1c
	SI 001XTN	R2X	98	27	-3	BL	1.7 / T	Yes	1k
	NSC Arden RR2X	R2X	94	4	-3	BL	2.0 / ST	—	1c
	S005-C9X	R2X	96	16	-2	BL	2.4 / S	—	1c
	Mikado R2X	R2X	96	7	-2	BL	2.0 / ST	Yes	1c
	NSC Holland RR2X	R2X	103	10	-2	BR	2.0 / ST	—	1c
	PV 28s001R2X	R2X	93	4	-2	BL	1.8 / ST	Yes	1c
	Hart R2X	R2X	99	7	-2	BR	2.0 / ST	—	1c
	NSC EXP001LX	R2X	96	4	-2	IY	2.0 / ST	—	1c, 3a
	PV 22s002 R2X	R2X	99	10	-2	BL	2.0 / ST	Yes	1k
Experimental lines that are being tested / proposed for registration in Canada									
	CP00121WPX	WPX	88	4	-3	BL	2.1 / ST	—	—
Mid Season Zone	DKB002-32	R2X	99	13	-1	BR	1.8 / ST	Yes	1k
	BY Rainier XT	R2X	100	1	-1	BL	1.7 / T	—	1c
	Bourke R2X	R2X	102	24	-1	BL	1.8 / ST	—	1k
	RX Acron	R2X	101	15	-1	BL	1.8 / ST	Yes	—
	NSC Sperling RR2Y	R2Y	105	22	-1	IY	1.8 / ST	-	1a, 3a
	Merino R2X	R2X	96	1	-1	BL	1.7 / T	Yes	1k
	P005A59E	E3	101	4	-1	BR	1.8 / ST	—	1c
	Sunna R2X	R2X	101	27	-1	GR	1.7 / T	Yes	1c
	SI 00221XTN	R2X	93	4	-1	BL	1.9 / ST	Yes	1c
	S006-K3X	R2X	100	4	0	BF	1.9 / ST	Yes	1c
	P006A37X	R2X	108	27	0	BR	1.8 / ST	—	1c
	DKB005-52	R2X	100	32	0	BL	1.8 / ST	Yes	1c
	Mako R2X	R2X	112	1	0	GR	1.8 / ST	—	1c
	TH 87003 R2X	R2X	96	31	0	BL	1.8 / ST	Yes	1c
	PV 16s004 R2X	R2X	100	27	0	BL	1.8 / ST	Yes	1k
	DKB006-80	R2X	111	1	1	BL	1.9 / ST	Yes	1c
	SI 00321XT	R2X	99	4	1	BR	2.3 / S	—	1c
SI 00421XT	R2X	96	4	1	GR	2.4 / S	—	1a,6	
SI 00620XTN	R2X	103	7	1	BL	1.8 / ST	Yes	1c	

Maturity Zone	Variety	Type ¹	Yield % Check	Site Years Tested	Maturity (days) ² +/- of Check	Hilum Colour	IDC ³ Rating/Group	Resistance SCN ⁴	PRR ⁵
	Badger R2X	R2X	111	1	2	BL	1.7 / T	—	1k
	Elmo E3	E3	100	9	2	BR	1.9 / ST	Yes	—
	Mao R2X	R2X	107	5	2	BL	1.7 / T	Yes	1c
	DKB008-48	R2X	111	7	2	BL	1.8 / ST	Yes	1c,1k
	PV 26s007R2X	R2X	100	1	2	BL	1.9 / ST	Yes	1c
	Jaguar R2X	R2X	106	1	2	BL	2.1 / ST	—	1c
	P00A49X	R2X	104	17	2	BR	1.7 / T	Yes	1c
	B0071RX	R2X	108	1	2	BR	—	Yes	1k, 6
Experimental lines that are being tested / proposed for registration in Canada									
	CP00722WPX	WPX	109	1	1	BL	2.0 / ST	—	1k,1c, 3a
	CP005WPRX	WPX	99	4	1	BL	1.9 / ST	—	1k,1c, 3a
Long Season Zone	TH82005 R2X	R2X	104	10	3	BR	1.9 / ST	—	1k
	SI 007XTN	R2X	103	24	3	BL	1.8 / ST	Yes	1c
	S007-A2XS	R2X	106	13	3	GR	1.8 / ST	—	—
	NSC Winkler RR2X	R2X	104	17	3	BL	1.8 / ST	Yes	1c
	TH81007 R2XN	R2X	106	5	4	BR	1.7 / T	Yes	1c
	TH82008XF	R2X	103	1	7	BL	2.1 / ST	Yes	1c
Experimental lines that are being tested / proposed for registration in Canada									
	SV193236-04	R2X	90	4	6	BR	2.4 / ST	Yes	1c, 6
CHECK CHARACTERISTICS			DKB005-52	46	32	121			
				bu/acre	site years	days			

1 R2X - Xtend technology, R2Y - Roundup-Ready 2 technology, RR1 - Roundup Ready 1 technology, E3 Enlist - 2-4D Tolerant, WPX-Blended Variety Extend Tolerant
 2 Maturity Ratings are averaged across Carman, Morris, Portage, St. Adolphe sites over multiple years.
 3 Iron Deficiency Chlorosis (IDC) Groupings These ratings determined at a separate trial near Winnipeg that is prone to IDC;
 T=Tolerant, ST=Semi-Tolerant, S=Susceptible
 4 SCN Soybean Cyst Nematode Resistance.
 5 PRR Phytophthora Race Specific Resistant Genes.



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EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

Yield Comparisons

Maturity Zone	Variety	2022 Yield: % of DKB005-52			
		Arborg	Early Sites Beausejour	Stonewall	Core Sites Carman
Very Early Season Zone	BY Rundle XT	80	81	77	91
	NSC Dauphin RR2X	64	77	71	91
	P001A48X	109	104	98	100
	P003A97X	105	107	97	100
	BY Morro XT	95	84	93	92
	S001-D8X	83	93	74	91
Early Season Zone	B0012RX	93	97	90	98
	S003-R5X	92	105	101	101
	Pikas R2X	88	92	79	92
	B0041RX	102	104	96	109
	Young R2X	98	105	95	98
	Akras R2	111	99	84	97
	BY Logan XT	90	92	88	101
	S003-Z4X	93	92	89	99
	SI 001XTN	92	89	91	101
	NSC Arden RR2X	91	93	91	99
	S005-C9X	106	92	102	100
	Mikado R2X	—	—	—	96
	NSC Holland RR2X	94	105	91	98
	PV 28s001R2X	88	98	88	97
	Hart R2X	—	—	—	104
	NSC EXP001LX	101	94	89	100
	PV 22s002 R2X	88	102	94	104
	Experimental lines that are being tested / proposed for registration in Canada				
	CP00121WPX	79	88	91	93
Mid Season Zone	DKB002-32	—	—	—	107
	BY Rainier XT	—	—	—	100
	Bourke R2X	—	—	—	104
	RX Acron	—	—	—	107
	NSC Sperling RR2Y	—	—	—	99
	Merino R2X	—	—	—	96
	P005A59E	97	99	104	105
	Sunna R2X	95	98	89	95
	SI 00221XTN	88	96	85	102
	S006-K3X	105	105	90	98
	P006A37X	114	112	102	111
	DKB005-52	100	100	100	100
	Mako R2X	—	—	—	112
	TH 87003 R2X	96	100	86	102
	PV 16s004 R2X	95	98	92	105
	DKB006-80	—	—	—	111
	SI 00321XT	97	101	87	109
	SI 00421XT	92	101	89	101
	SI 00620XTN	—	—	—	103
	Badger R2X	—	—	—	111
Elmo E3	—	—	—	100	

Maturity Zone	Variety	2022 Yield: % of DKB005-52			Core Sites Carman
		Arborg	Early Sites Beausejour	Stonewall	
	Mao R2X	—	—	—	109
	DKB008-48	—	—	—	106
	PV 26s007R2X	—	—	—	100
	Jaguar R2X	—	—	—	106
	P00A49X	—	—	—	107
	B0071RX	—	—	—	108
	Experimental lines that are being tested / proposed for registration in Canada				
	CP00722WPX	—	—	—	109
	CP005WPRX	103	91	98	104
Long Season Zone	TH82005 R2X	105	109	94	109
	SI 007XTN	96	105	90	105
	S007-A2XS	—	—	—	112
	NSC Winkler RR2X	—	—	—	105
	TH81007 R2XN	—	—	—	106
	TH82008XF	—	—	—	103
	Experimental lines that are being tested / proposed for registration in Canada				
	SV193236-04	88	94	84	94
Check Characteristics	DKB005-52 (bu/ac)	59	66	60	73
	CV %	8.7	6.1	6.6	5.6
	LSD%	13	10	10	9
	Sign Diff	Yes	Yes	Yes	Yes
	Seeding Date	26-May	27-May	04-Jun	22-May
	Harvest Date	11-Oct	07-Oct	08-Oct	05-Oct

SUNFLOWERS

Sunflower trial data was unavailable at the time of publication.

Please visit the Manitoba Crop Alliance webpage for sunflower variety performance data at www.mbcropalliance.ca/resources/sunflowers.



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Distributor Contacts for Listed Varieties in Seed Manitoba 2023

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.

CANOLA

- see Canola table to determine which companies market specific varieties -

FLAX

AAC Bright	SeCan
AAC Bravo	FP Genetics
AAC Marvelous	FP Genetics
AAC Prairie Sunshine	SeCan
AC Emerson	SeCan
CDC Bethune	SeCan
CDC Buryu	SeCan
CDC Dorado	SeedNet
CDC Glas	SeCan
CDC Kernen	SeCan
CDC Neela	CANTERRA SEEDS
CDC Plava	SeCan
CDC Rowland	SeCan
CDC Sanctuary	SeCan
CDC Sorrel	SeCan
Hanley	SeCan
Lightning	CANTERRA SEEDS
NuLin VT 50	Nutrien Ag Solutions Proven Seed
Prairie Blue	SeCan
Prairie Grande	SeCan
Prairie Thunder	CANTERRA SEEDS
Topaz	Alliance Seed
WestLin 70	Nutrien Ag Solutions Proven Seed
WestLin 71	Nutrien Ag Solutions Proven Seed
WestLin 72	Nutrien Ag Solutions Proven Seed

CONVENTIONAL SOYBEANS

Astor	Ceres Global Seeds
DH863	Ceres Global Seeds
Fjord	Ceres Global Seeds
Meteor	Ceres Global Seeds
Norfolk	Ceres Global Seeds
Reynolds	Ceres Global Seeds
Stanley	Ceres Global Seeds
AAC Halli	Interlake.org Inc.
Maxus	Prograin Inc
Siberia	Prograin Inc
Liska	Prograin Inc
Maya	Prograin Inc
Hana	Prograin Inc
OAC Prudence	SeCan
Fjord	SG CERESCO
Kebek	SG CERESCO
Jago	SG CERESCO
Baffin	SG CERESCO
Ambella	SAATBAU LINZ eGen
Abaca	SAATBAU LINZ eGen
Aurelina	SAATBAU LINZ eGen
Pamela	SAATBAU LINZ eGen
Mozart	Northstar Genetics Manitoba

ROUNDUP READY SOYBEANS

Akras R2	BrettYoung
Amirani R2	BrettYoung
BY Logan XT	BrettYoung
BY Morro XT	BrettYoung
BY Rainier XT	BrettYoung
BY Rundle	BrettYoung
RX Acron	BrettYoung
Sunna R2X	BrettYoung
B0011RX	BREVANT seeds
B0012RX	BREVANT seeds
B0030L1	BREVANT seeds
B0040L1	BREVANT seeds
B0041RX	BREVANT seeds
B0051RX	BREVANT seeds
B0066L1	BREVANT seeds
B0071RX	BREVANT seeds

ROUNDUP READY SOYBEANS

SI 000919XT	Ceres Global Seeds
SI 000919XT	Ceres Global Seeds
SI 001XTN	Ceres Global Seeds
SI 00221XTN	Ceres Global Seeds
SI 00319XT	Ceres Global Seeds
SI 00321XT	Ceres Global Seeds
SI 00421XT	Ceres Global Seeds
SI 00620XTN	Ceres Global Seeds
SI 00620XTN	Ceres Global Seeds
SI 007XTN	Ceres Global Seeds
CP000521X	CROPLAN
CP000620RX	CROPLAN
CP00120RX	CROPLAN
CP00419RX	CROPLAN
CP00519RX	CROPLAN
CP00621X	CROPLAN
DKB0003-24	DEKALB
DKB0005-03	DEKALB
DKB0005-44	DEKALB
DKB0008-87	DEKALB
DKB0009-89	DEKALB
DKB002-32	DEKALB
DKB003-29	DEKALB
DKB005-52	DEKALB
DKB006-29	DEKALB
DKB006-80	DEKALB
DKB008-48	DEKALB
Badger R2X	Maizex seeds
Jaguar R2X	Maizex seeds
Pikas R2X	Maizex seeds

Rutherford farms Ltd.
seed service

SUPPLIERS OF QUALITY SEED SINCE 1950

Rick Rutherford
204-771-6353
rick@rutherfordfarms.ca

Corey Park **Emily Laudin**
204-461-1631 204-467-5613
corey@rutherfordfarms.ca emily@rutherfordfarms.ca

rutherfordfarms.ca

NorthStar Genetics

WHEAT | BARLEY | OATS | CORN | SOYBEANS

ROUNDUP READY SOYBEANS

Wolf R2X	Maizex seeds
NSC Arden RR2X	Northstar Genetics Manitoba
NSC Cartier RR2X	Northstar Genetics Manitoba
NSC Culross RR2X	Northstar Genetics Manitoba
NSC Dauphin RR2X	Northstar Genetics Manitoba
NSC EXP0007X	Northstar Genetics Manitoba
NSC EXP001LX	Northstar Genetics Manitoba
NSC EXP006PX	Northstar Genetics Manitoba
NSC EXP007PX	Northstar Genetics Manitoba
NSC EXP001PX	Northstar Genetics Manitoba
NSC Holland RR2X	Northstar Genetics Manitoba
NSC Sperling RR2Y	Northstar Genetics Manitoba
NSC Winkler RR2X	Northstar Genetics Manitoba
PV 10s005 R2R	Nutrien Ag Solutions
PV 12s007 R2X	Nutrien Ag Solutions
PV 15s0009 R2X	Nutrien Ag Solutions
PV 16s004 R2X	Nutrien Ag Solutions
PV 19s006R2X	Nutrien Ag Solutions
PV 22s002 R2X	Nutrien Ag Solutions
PV 24s0008R2X	Nutrien Ag Solutions
PV 26s007R2X	Nutrien Ag Solutions
PV 27s0005R2X	Nutrien Ag Solutions
PV 28s001R2X	Nutrien Ag Solutions
P0007A73X	Pioneer Brand Seeds
P001A48X	Pioneer Brand Seeds
P003A97X	Pioneer Brand Seeds
P005A27X	Pioneer Brand Seeds
P005A59E	Pioneer Brand Seeds
P005A83X	Pioneer Brand Seeds
P006A37X	Pioneer Brand Seeds
P007A08X	Pioneer Brand Seeds
P00A49X	Pioneer Brand Seeds
P00A75X	Pioneer Brand Seeds
Devo R2X	Prograin Inc
Dextro R2X	Prograin Inc
Elmo E3	Prograin Inc

Wheat
AAC Brandon
AAC Starbuck
AAC LeRoy 

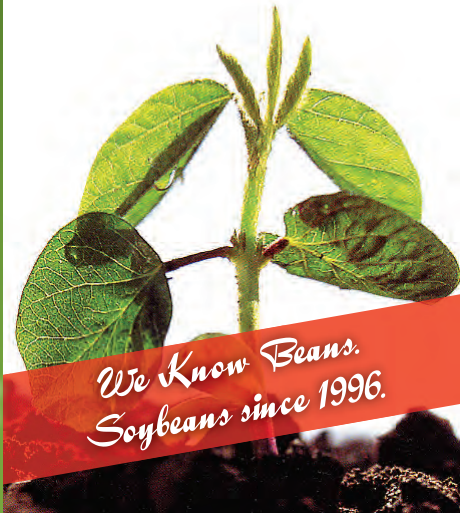
Oats
CDC Endure
AAC Douglas 
CS Camden
Secan ORE42M

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ROUNDUP READY SOYBEANS

Evo E3	Prograin Inc
Fresco R2X	Prograin Inc
Fresco R2X	Prograin Inc
Gecko R2X	Prograin Inc
Kudo R2X	Prograin Inc
Mako R2X	Prograin Inc
Mao R2X	Prograin Inc
Merino R2X	Prograin Inc
Mikado R2X	Prograin Inc
Polo R2X	Prograin Inc
Torro R2	Prograin Inc
Barker R2X	SeCan
Bourke R2X	SeCan
Fisher R2X	SeCan
Foote R2	SeCan
Hart R2X	SeCan
Mahony R2	SeCan
Merritt R2X	SeCan
Young R2X	SeCan
Briggs R2X	SeCan
S003-R5X	Syngenta Canada
S0007-S1X	Syngenta Canada
S0009-F2X	Syngenta Canada
S0009-M2	Syngenta Canada
S001-D8X	Syngenta Canada
S003-Z4X	Syngenta Canada
S005-C9X	Syngenta Canada
S006-K3X	Syngenta Canada
S006-M4X	Syngenta Canada
S007-A2XS	Syngenta Canada
S007-Y4	Syngenta Canada
Astro R2	Thunder Seeds Canada
TH 87003 R2X	Thunder Seeds Canada
TH 88005R2XN	Thunder Seeds Canada
TH 88007R2X	Thunder Seeds Canada
TH81007 R2XN	Thunder Seeds Canada
TH82005 R2X	Thunder Seeds Canada
TH82008XF	Thunder Seeds Canada
TH830009X	Thunder Seeds Canada
TH89004 R2X	Thunder Seeds Canada
TH89009 R2XN	Thunder Seeds Canada

SUNFLOWERS

- see Sunflower table to determine which companies market specific varieties -

DISTRIBUTOR	PHONE NUMBER
Agriculture and Agri-Food Canada.....	1-613-759-1610
Alliance Seed	1-877-270-2890
BASF	1-877-371-2273
Bayer CropScience.....	1-888-283-6847
BrettYoung	1-800-665-5015
BREVANT seeds	1-800-265-7403
CANTERRA SEEDS	1-877-744-4321
Cargill Ltd.	1-888-855-8558
Ceres Global Seeds	1-888-974-7246
CHS Sunflower	1-701-484-5313
CROPLAN	1-306-249-5112
DEKALB	1-800-667-4944
FP Genetics.....	1-877-791-1045
Interlake.org Inc.....	1-204-641-0230
Maizex Seeds	1-519-682-1720
NorthStar Genetics Manitoba.....	1-204-262-2425
Nuseed Americas Inc.	1-877-841-7447
Nutrien Ag Solutions	1-204-435-2063
Pioneer Brand Seeds	1-306- 385-3001
SAATBAU LINZ eGen	1-514-609-0881
SeCan	1-800-665-7333
SeedNet	1-403-715-9771
SG CERESCO	1-450-454-2727
Syngenta Canada Inc.....	1-877-964-3682
Thunder Seeds Canada	1-306 213 8888

Growers List



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S=Select; F=Foundation; R=Registered; C=Certified; ☉ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ☉ protected or pending under UPOV 1991.

AAC BRAVO ☉			
Domain; Manness Seed	204-736-2622		C
AAC BRIGHT ☉			
Binscarth; Inland Seed Corp.....	204-683-2316		C
AAC MARVELOUS ☉			
Domain; Manness Seed	204-736-2622	R	C
CDC DORADO ☉			
Holland; Kubinec, Anastasia.....	204-526-2776		C
CDC GLAS ☉			
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752		C
Notre Dame; Durand Seeds Inc.	204-248-2268	R	
Pilot Mound; Smith Family Seeds.....	204-825-7810		C
Rosenort; Friesen Seeds Ltd.....	204-746-8325		C
CDC ROWLAND ☉			
Boissevain; Armstrong Seeds Ltd.....	204-534-2566		C
Carman; Menold, Thomas	204-745-3377	R	C
Crystal City; Buchanan, Kenneth S. & Dean K.....	204-825-7151		C
Morden; Wilson Seeds Ltd.....	204-362-2449		C
Notre Dame; Durand Seeds Inc.	204-248-2268	S	F
Oak Lake; Geryln Acres Ltd.	204 855 3128		C
Oakville; Miller Agritec Farm Inc.....	204-267-2363		C
Pilot Mound; Wallace, Joe	204-825-4543		C
Reinland; Ens Farms Ltd.....	204-362-0612		C
Reston; Avondale Seed Farm Ltd.....	204-877-3813		C
Somerset; Sierens Seed Service	204-744-2883	R	C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	F	C
Wawanesa; Ellis Seeds	204-824-2290		C

OPEN POLLINATED CANOLA

UA COUNTYGOLD			
Kenton; Stevenson, Robert H. & Sidney H.....	204-838-2012	F	C

SOYBEANS

AAC MANDOR			
Carman; Ulrich & Monika Menold Ltd.....	204-750-1095		S
BADGER R2X			
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	S	F
BARKER R2X			
Carman; RJP Seed Ltd.....	204-745-0088		R
Portage; Askin, Raymond T. & Jeffrey S.....	204-856-3483		R
BOURKE R2X			
Boissevain; Armstrong Seeds Ltd.....	204-534-2566		C
Brandon; Wheat City Seeds Ltd.	204-727-3337	S	C
Carman; RJP Seed Ltd.....	204-745-0088	S	F
Navin; David G. James And James Farms Ltd.....			C
Oak Bank; Willowdale Seeds	204-444-3205		C
Oakville; Miller Agritec Farm Inc.....	204-267-2363		C
Portage; Askin, Raymond T. & Jeffrey S.....	204-856-3483	R	
Stonewall; Unger Seed Farm Ltd.....	204-467-8630		C
Warren; Riddell Seed Co.....	204-227-5679	S	F
BRIGGS R2X			
Ste. Rose Du Lac; PNR Farms.....	204-447-2118		R
CP000620RX			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S	F

SOYBEANS

S=Select; F=Foundation; R=Registered; C=Certified; ☉ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ☉ protected or pending under UPOV 1991.

CP00120RX			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S	F
CP00419RX			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S	F
CP00519RX			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S	F
CP00621X			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S	R
HART R2X			
Arborg; Timchishen Seeds Farms	204-641-1288		F
Oak Bluff; Gousseau, Marcel E.....	204-895-1357		C
Warren; Riddell Seed Co.....	204-227-5679		F
Wawanesa; Ellis Seeds	204-824-2290		C
MAHONY R2			
Kenton; Stevenson, Richard D.O. & Douglas	204-573-3054		C
MAJOR R2X			
Ste. Rose Du Lac; PNR Farms.....	204-447-2118		C
NSC ARDEN RR2X			
Darlingford; Morrow, Graham	204-362-8986		C
Domain; Pitura Seed Farms Ltd.	204-736-2849		R
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	S	R
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S	F
Reston; Avondale Seed Farm Ltd.....	204-877-3813		C
Russell; Keating Seed Farms Inc.	204-773-3854		C
St. Claude; R-Way Ag. Ltd.....	204-745-8425		C
NSC CARTIER RR2X			
Domain; Manness Seed	204-736-2622	S	F
Rosenort; Friesen Seeds Ltd.....	204-746-8325		R
NSC DAUPHIN RR2X			
Domain; Pitura Seed Farms Ltd.	204-736-2849	S	F
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S	F
Reston; Avondale Seed Farm Ltd.....	204-877-3813		C
Russell; Keating Seed Farms Inc.	204-773-3854		C
St. Claude; R-Way Ag. Ltd.....	204-745-8425		C
NSC EXP001LX			
Grosse Isle; Rutherford Farms Ltd.	204-467-5613		C
NSC EXP006PX			
Domain; Manness Seed	204-736-2622	S	F
Domain; Pitura Seed Farms Ltd.	204-736-2849	S	F
NSC EXP007PX			
Domain; Pitura Seed Farms Ltd.	204-736-2849	S	F
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S	F
NSC GLADSTONE RR2Y			
St. Claude; R-Way Ag. Ltd.....	204-745-8425		C
NSC HOLLAND RR2X			
Darlingford; Morrow, Graham	204-362-8986		C
Domain; Manness Seed	204-736-2622		C
Domain; Pitura Seed Farms Ltd.	204-736-2849		R
Fannystelle; Nadeau Seeds Inc.....	204-436-2469		C
Grosse Isle; Rutherford Farms Ltd.	204-467-5613		C
Homewood; Agassiz Seed Farm.....	204-745-6655		R
Oak River; J.S.Henry & Son Ltd.....	204-566-2422		C
Reston; Avondale Seed Farm Ltd.....	204-877-3813		C
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S	F
Somerset; Sierens Seed Service	204-744-2883		C
St. Claude; R-Way Ag. Ltd.....	204-745-8425		C

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NSC SPERLING RR2Y

Domain; Manness Seed	204-736-2622	C
Domain; Pitura Seed Farms Ltd.	204-736-2849	C
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	C
Hazelridge; Saramaga, Robert P. & Andrew		C
Homewood; Agassiz Seed Farm	204-745-6655	R
Rosenort; Friesen Seeds Ltd.	204-746-8325	S F C

NSC WATSON RR2Y

Domain; Pitura Seed Farms Ltd.	204-736-2849	C
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NSC WINKLER RR2X

Domain; Manness Seed	204-736-2622	C
Domain; Pitura Seed Farms Ltd.	204-736-2849	S F R C
Hazelridge; Saramaga, Robert P. & Andrew		C
Homewood; Agassiz Seed Farm	204-745-6655	R
Rosenort; Friesen Seeds Ltd.	204-746-8325	C

OAC CARMAN

Carman; Ulrich & Monika Menold Ltd.	204-750-1095	S
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OAC PRUDENCE

Carman; Ulrich & Monika Menold Ltd.	204-750-1095	S
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RX000918

Rosenort; Friesen Seeds Ltd.	204-746-8325	S F C
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SUNNA R2X

St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	R
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TRIQUET R2X

Carman; Ulrich & Monika Menold Ltd.	204-750-1095	F
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WOLF R2X☉

Grosse Isle; Rutherford Farms Ltd.	204-467-5613	S F
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YOUNG R2X

Arborg; Timchishen Seeds Farms	204-641-1288	R
Brandon; Wheat City Seeds Ltd.	204-727-3337	R
Dauphin; Fisher Farms Ltd.	204-622-8800	F R
Kenton; Stevenson, Richard D.O. & Douglas	204-573-3054	F R
Miniota; Walker, Alan Glen	204-748-7264	C
Oak Bank; Willowdale Seeds	204-444-3205	C
Rivers; Redsper Ent. Ltd.	204-328-5346	R
Stonewall; Unger Seed Farm Ltd.	204-467-8630	R
Warren; Riddell Seed Co.	204-227-5679	F
Wawanesa; Ellis Seeds	204-824-2290	S F C



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