Oilseed Crops

Variety Description Key

A "CHECK CHARACTERISTICS" is at the bottom of each table for soybean and sunflower to display the long term yield, # of site years, maturity and any other check attributes.

The grey box has been placed at the bottom of each table for canola and flax displaying the "GRAND MEAN" for Yield (bu/acre) and the corresponding LSD value ($p < 0.05$).

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 2024 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.

Canola & Soybean Comments

For specific notes regarding the canola tables, refer to the CANOLA PERFORMANCE TRIALS DATA and CANOLA COMMENTS at the top of those respective pages.

For specific notes regarding the soybean tables, refer to the SOYBEAN COMMENTS at the top of page 58.

CANOLA

All variety yields compared as a percentage of the check specific to that trial. Check variety was chosen based on % of acres grown in MASC 2023 Variety Marketshare Report.

Liberty Link trial was run as separate from Roundup-Ready. All canola yield trials are straight-cut.

Yields derived over two or more growing seasons are the best indicator of variety performance. Use single site year data with caution.

Comments:

Variety descriptions summarize the performance of varieties tested in the 2024 Canola Variety Evaluation Trials. Data donated by the Manitoba Canola Growers Association. For more information visit www.canolagrowers.com.

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

Blackleg Resistance

Varieties in the table below have a resistant (R) rating for Blackleg (<30% infection of Westar check) based on WCC/RRC rating. 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 varietes in Rural Municipalities where clubroot has been found is highly recommended as a risk mitigation tool. 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. See page 59 for the map indicating clubroot distribution in Manitoba.

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.

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

		Manitoba CVET Data[1]					WCC/RRC Data[2]		
Name	Herbicide Tolerance[3]	# of Sites	Yield % of Check	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	Blackleg Resistance[4a] (Group)	Clubroot Resistance[4b] (Generation)	Pod Shatter Rating[5] (1-9)
Liberty Link - Straight Cut									
B3012	LL	4	88%	50	95.1	1.3	R	R (1)	Y (7.0)
BY 7204LL	LL	4	90%	52	92.9	1.3	R (E2)	R (1+2)	Y (7.5)
CP21L3C	LL	4	84%	48	92.9	1.5	R	R (1)	N (5.4)
CP24L3C	LL	4	89%	51	93.4	1.3	R	R (1+2)	Y (7.0)
CS4000 LL	LL	4	84%	48	91.9	2.3	R	R (1)	Y (6.0)
InVigor L340PC	LL	4	100%	57	90.6	1.7	R	R (1)	Y
InVigor L343PC	LL	4	94%	54	90.7	1.9	R	R (1+2)	Y
InVigor L350PC	LL	4	93%	53	95.1	1.3	R	R (1)	Y
InVigor L356PC	LL	4	96%	55	91.9	1.5	R	R (1)	Y
LSD			**6**	**3.6**					

1 Data from independent canola hybrid testing in the Manitoba Canola Variety Evaluation 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.
4a,4b Additional details of blackleg group and clubroot generation labels provided by respective companies.
5 The Canola Council of Canada rating system indicates that 1 = poor,

ROUNDUP READY CANOLA

Variety Description

Name	Herbicide Tolerance[3]	Manitoba CVET Data[1] # of Sites	Yield % of Check	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	WCC/RRC Data[2] Blackleg Resistance[4a] (Group)	Clubroo Resistance[4b] (Generation)	Pod Shatter Rating[5] (1-9)
Roundup Ready - Straight Cut									
CP21T3P	TF	4	100%	51	93.0	1.7	R (A, G)	—	Y (7.8)
CP22T1C	TF	4	97%	50	90.8	2.3	R	R (1+2)	Y (7.4)
CS3200 TF	TF	4	107%	55	95.3	1.3	R (C)	R (1+2)	Y (7.0)
CS3300 TF	TF	4	110%	57	89.7	1.9	R (A, G)	R (1)	Y (7.0)
Experimental lines that are being tested / proposed for registration in Canada									
C8M24520 RR	RR	4	109%	56	91.9	1.3	NT	NT	Y (7.5)
C8M24523 RR	RR	4	98%	50	95.1	1.0	NT	NT	Y (7.0)
C8M24524 RR	RR	4	99%	51	90.3	1.5	NT	NT	Y (7.0)
LSD			**9**	**4.8**					

1 Data from independent canola hybrid testing in the Manitoba Canola Variety Evaluation 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.
NT - not tested through WCC/RRC to date.
4a,4b Additional details of blackleg group and clubroot generation labels provided by respective companies.
5 The Canola Council of Canada rating system indicates that 1 = poor, 9 = excellent pod shatter resistance.

Averages

Name	LONG SEASON ZONE Carman	Holland	Melita	MID SEASON ZONE Hamiota
Liberty Link - Straight Cut (bu/ac)				
B3012	46	41	55	60
BY 7204LL	43	44	59	61
CP21L3C	41	43	54	54
CP24L3C	45	46	55	58
CS4000 LL	42	40	57	53
InVigor L340PC	47	57	61	65
InVigor L343PC	46	49	58	61
InVigor L350PC	41	48	59	64
InVigor L356PC	47	49	62	63
Mean	44	46	58	60
LSD (bu/ac)	1	2	2	2
CV %	7	12	8	8
Seeding Date	21-Jun	03-Jun	15-May	21-May
Harvest Date	26-Sep	25-Sep	03-Sep	03-Sep

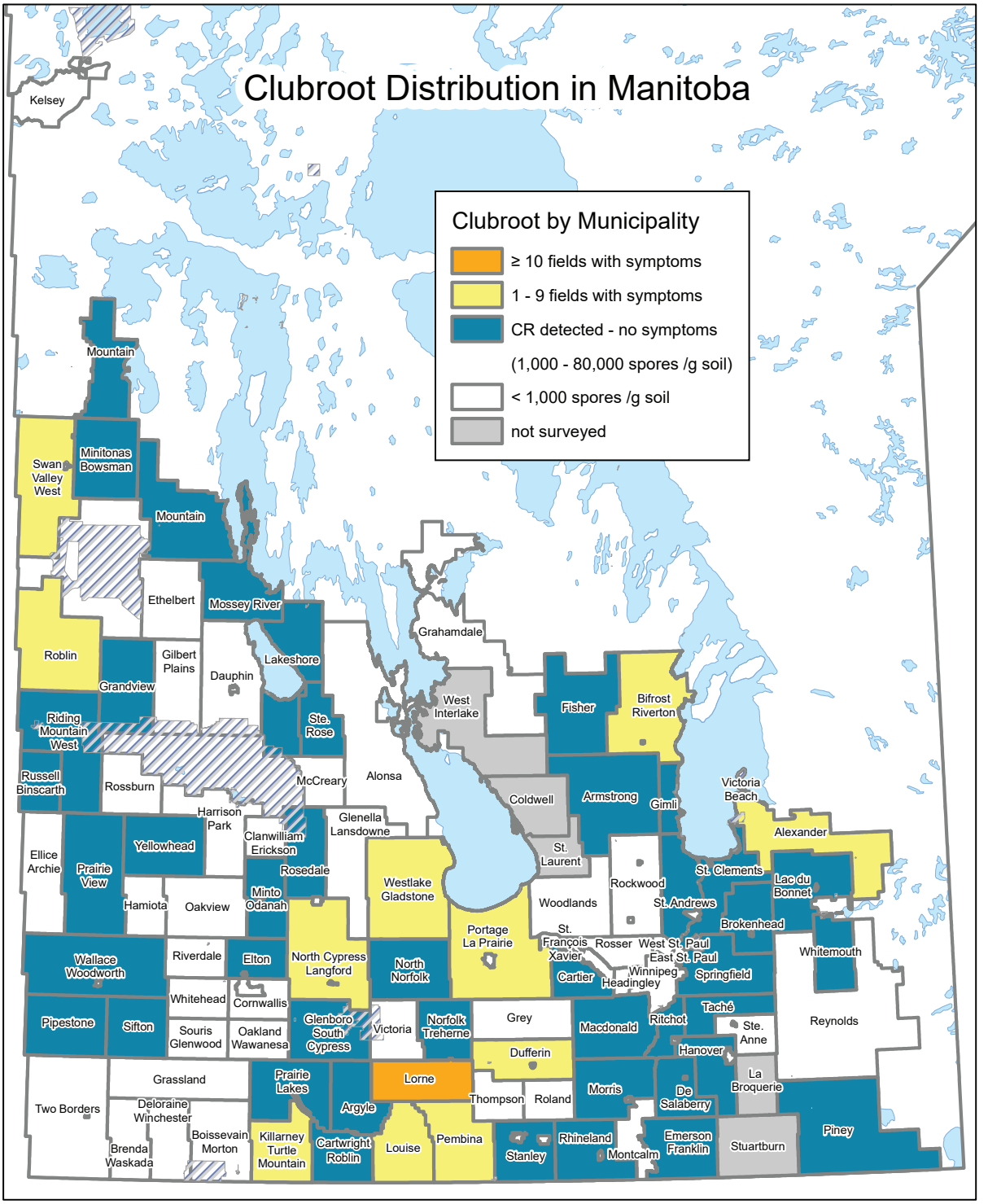
Name	LONG SEASON ZONE Carman	Holland	Melita	MID SEASON ZONE Hamiota
Roundup Ready - Straight Cut (bu/ac)				
CP21T3P	42	44	57	63
CP22T1C	41	40	46	59
CS3200 TF	45	51	59	66
CS3300 TF	46	52	63	66
Experimental lines that are being tested / proposed for registration in Canada				
C8M24520 RR	47	53	59	67
C8M24523 RR	44	48	56	64
C8M24524 RR	45	47	51	61
Mean	44	48	56	63
LSD (bu/ac)	2	4	2	2
CV %	10	14	11	6
Seeding Date	21-Jun	03-Jun	15-May	21-May
Harvest Date	26-Sep	24-Sep	04-Sep	03-Sep

CANOLA *(continued)*

Prairie-Harmonized Clubroot Distribution Map

(September 2024)

The map shows symptomatic clubroot findings by Rural Municipality (RM), discovered through visual field symptoms and presence of clubroot spores in soil through laboratory testing for DNA.
The Ministry of Agriculture in Saskatchewan also shares out this style of map, so it has been prairie-harmonized to also be useful for producers on either side of the Manitoba-Saskatchewan border.



Author: Manitoba Agriculture
Source: MB Ag Analysis
Date: September 23, 2024

1:2,300,000
0 25 50 100 Kilometres

FLAX

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 2024.

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]: Iodine Number	Oil Quality[1]: ALA Content	Resistance Level: Lodging[2]	Resistance Level: Fusarium Wilt
AAC Bravo	30	34	1	0	brown	6.4	44.6	194.0	60.2	G	MR
AAC Bright	19	36	2	0	yellow	5.6	48.8	192.1	56.2	G	MR
AAC Marvelous	19	37	2	0	brown	5.8	47.1	192.1	55.8	G	MR
CDC Bethune	84	35	0	0	brown	5.8	45.6	188.6	54.7	G	MR
CDC Dorado	19	33	-1	-5	yellow	5.9	46.6	206.6	65.8	FG	MR
CDC Esme	14	37	2	-2	brown	6.3	44.5	192.0	57.1	G	MR
CDC Glas	46	37	1	3	brown	5.2	45.8	192.0	56.6	G	MR
CDC Kernen	22	37	1	0	brown	6.5	45.4	191.6	57.3	VG	MR
CDC Neela	24	35	1	3	brown	5.7	45.5	194.4	59.1	G	MR
CDC Plava	21	35	-2	-3	brown	5.7	46.5	195.5	57.2	G	MR
CDC Rowland	28	39	4	0	brown	6.8	45.2	195.1	59.2	G	MR
CDC Sorrel	56	35	1	3	brown	6.4	45.1	192.7	57.8	F	MR
Hanley	30	32	-2	-5	brown	5.7	44.7	197.7	58.6	VG	R
Topaz	12	34	0	0	brown	5.8	45.9	188.2	54.4	G	MR
NuLin50	28	34	4	-5	yellow	5.1	47.1	209.4	67.6	VG	MR
WestLin 70	12	34	2	5	brown	6.4	45.8	194.5	61.9	G	MR
WestLin 71	15	35	2	-5	brown	5.6	47.5	198.1	61.2	G	MR
WestLin 72	29	34	3	-3	brown	5.4	47.0	192.8	57.0	VG	MR
GRAND MEAN (bu/ac)		36									
LSD ($p<0.05$)		2.3									

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	2024 Yield (bu/acre) Arborg	Carberry	Melita	Roblin
AAC Bright	39	38	54	42
CDC Esme	44	39	57	45
CDC Glas	43	34	57	46
CDC Kernen	46	37	59	44
SITE GRAND MEAN (bu/ac)	42	36	57	46
CV %	4.1	9.3	3.1	4.7
LSD (bu/ac)	3	6	3	4
Sign Diff	Yes	Yes	Yes	Yes
Seeding Date	21-May	17-May	30-Apr	15-May
Harvest Date	03-Sep	06-Sep	10-Sep	13-Sep

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.

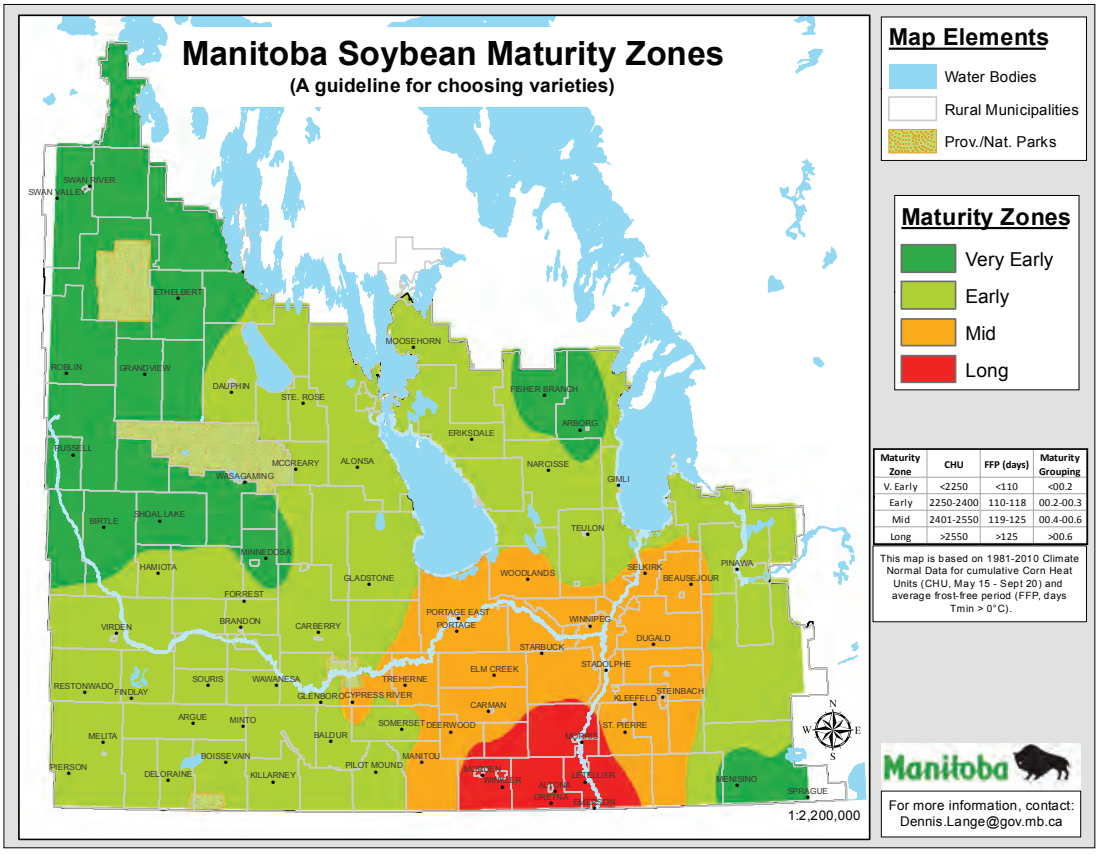
2 Hilum colour can range from Yellow (Y), Imperfect Yellow (IY), Grey (G), Brown (BR), Buff (BF), Tan(TN), Clear (CL), Imperfect Black (IB) or Black (BL) and is solely a marketing issue. The hilum is the point on the soybean seed where it attaches to the pod.

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.



Comments:

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

Variety Descriptions

Maturity Zone	Variety	Yield % Check	Site Years Tested	Maturity days +/- Check[1]	IDC[2] Rating/Group	Resistance SCN[3]	Resistance PRR[4]	2024 Yield % of S003-R5X Dauphin	Hamiota	Holland	Melita	Souris	Swan River
	S0007-S1X	85	16	-5	2.4 / S	—	1c,3a	91	88	73	83	83	83
Very Early	BY Nebo XT	93	6	-4	2.0 / ST	—	1c	92	99	96	91	90	92
Season	**Experimental lines that are being tested / proposed for registration in Canada**												
Sone	PR181000-04	87	5	-3	2.0 / ST	—	—	93	88	88	90	80	—
	PR180907-05	94	5	-3	2.0 / ST	—	1c	94	98	102	92	88	—
	Wolf R2X	88	16	-2	1.9 / ST	Yes	3a	91	89	83	81	80	85
	PV S0007X74	100	10	-2	2.0 / ST	—	1c,3a	103	100	102	89	98	93
	BY Arvon XT	90	6	-2	2.2 / ST	—	1c,1k	83	93	99	91	89	90
	NSC EXP0008CX	99	10	-2	1.7 / T	—	1c	96	101	94	97	94	96
	S0009-J5X	96	10	-2	2.0 / ST	—	1c,3a	106	94	93	92	99	85
	Major R2X	91	16	-1	2.0 / ST	—	1c	96	89	81	89	89	90
	S001-D8X	91	22	-1	2.0 / ST	—	1c	90	89	95	96	87	84
	BY Meru E3	96	6	-1	2.1 / ST	—	1c	101	93	106	98	90	93
	B0024EE	97	6	-1	1.9 / ST	—	1k,6	99	96	107	96	90	98
	Alouette R2X	92	6	-1	1.8 / ST	—	1c	95	94	98	80	91	92
	NS EXP004ME3	105	5	-1	1.9 / ST	—	1k	102	104	120	103	104	—
Early	Briggs R2X	94	16	-1	2.0 / ST	Yes	1c	89	97	106	96	88	90
Season	P002A42E	95	10	0	1.9 / ST	—	1c	97	90	105	99	91	89
Zone	S003-R5X	100	22	0	2.1 / ST	—	1c	100	100	100	100	100	100
	PV S0009X84	101	10	0	1.8 / ST	Yes	—	101	101	106	93	93	96
	Gecko R2X	97	10	0	2.0 / ST	—	1c	87	102	95	92	94	90
	B0044EE	100	6	1	2.0 / ST	Yes	1c	103	98	111	94	102	96
	TH85003XF	99	6	1	2.0 / ST	Yes	1c,3a	102	97	106	93	97	98
	Young R2X	99	22	1	1.7 / T	Yes	1c	98	106	103	99	100	93
	P003Z08E	95	6	1	2.2 / ST	—	1c	93	98	96	96	95	96
	NSC Arden RR2X	97	15	1	1.8 / ST	—	1c	106	98	104	105	101	—
	BY Hector XT	92	10	2	1.9 / ST	—	1c	88	88	94	73	82	85
	Hart R2X	98	19	2	1.9 / ST	—	1c	104	95	114	96	97	—
	NSC Holland RR2X	95	13	2	1.9 / ST	—	1c	101	100	104	87	94	—
	DKB001-07	102	9	3	1.7 / T	Yes	1k	100	103	100	97	96	—
	TH84002X	102	10	3	1.8 / ST	Yes	1c	101	96	99	82	100	95
	Experimental lines that are being tested / proposed for registration in Canada												
	PR180640-05	98	5	-2	2.0 / ST	—	—	97	103	102	93	98	—
	C4M24518 XT	91	6	-2	2.0 / ST	—	1k	94	95	99	91	86	87
	PR180517X-01-06	85	4	-1	2.3 / S	—	1c	86	87	88	—	82	—
	EXP006-24E3	99	5	2	1. 7 / T	Yes	1k,3a	99	98	114	92	99	—
	CP00123WPX	102	9	2	2.1 / ST	Yes	1c	100	112	103	97	102	100
	EXP006-24XF	95	5	3	1.8 / ST	Yes	1c,3a	97	96	101	92	92	—
	BY Deno XT	97	10	4	2.0 / ST	Yes	1c	99	86	96	81	90	89
	Merino R2X	98	13	4	1.7 / T	Yes	1k	100	102	104	86	96	—
	P004Z87E	97	6	4	2.1 / ST	—	1c	97	98	106	86	96	100
	Oslo XF	100	5	4	1.9 / ST	—	—	95	101	105	102	99	—
	SI 00323XT	105	10	4	2.0 / ST	—	1c	104	105	106	96	98	102
	DKB002-32	103	15	4	1.8 / ST	Yes	1k	107	110	115	98	107	—
	Bourke R2X	97	18	4	1.8 / ST	—	1k	98	105	107	96	97	—
Mid	PV 22s002 R2X	97	22	4	2.0 / ST	Yes	1k	102	106	86	86	88	91
Season	B0074EE	103	6	4	1.9 / ST	—	1c	106	106	104	107	100	99
Zone	Badger R2X	105	9	5	1. 7 / T	—	1k	105	115	103	101	98	98
	DKB004-04	99	5	5	1. 7 / T	Yes	1c	107	106	105	79	97	—
	PV 16s004 R2X	97	18	6	1.8 / ST	Yes	1k	98	101	94	97	92	—
	Mao R2X	104	5	6	1.7 / T	Yes	1c	109	108	105	91	104	—
	TH84005XF	96	8	6	2.0 / ST	Yes	1c	91	92	96	82	87	—
	P007A68E	102	9	6	1.9 / ST	—	1c	100	92	106	89	101	97
	TH82005 R2X	102	18	7	1.9 / ST	—	1k	112	107	111	102	95	—
	Experimental lines that are being tested / proposed for registration in Canada												
	PR23X2350	101	6	4	2.0 / ST	—	—	108	100	110	98	101	95
	PR24XF2450	100	5	6	1.8 / ST	—	—	100	102	112	91	99	—
	CHECK CHARACTERISTICS				**S003-R5X (bu/ac)**			79	70	41	59	88	73
	S003-R5X	67 bu/ac	22 years	119 days	**CV%**			4.0	3.2	5.9	5.7	4.6	5.3
					LSD%			6	5	10	10	7	8
					Sign Diff.			yes	yes	yes	yes	yes	yes
					Seeding Date			29-May	21-May	22-May	16-May	17-May	29-May
					Harvest Date			07-Oct	02-Oct	07-Oct	25-Sep	03-Oct	01-Oct

1 Relative days to maturity based on multiple year average.
2 Iron Deficiency Chlorosis (IDC) Groupings -These ratings are 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	AAC Halli	91	27	-8	Y	1.9 / ST
Season Zone	Siberia	93	27	-6	IY	1.9 / ST
	Rosser	97	24	-4	IY	1.9 / ST
	Reynolds	93	26	-1	IY	2.1 / ST
	Liska	100	27	0	IY	2.3 / S
	Arietta	106	8	0	IY	2.1 / ST
Early	Abaca	114	22	0	IY	1.9 / ST
Season	**Experimental lines that are being tested / proposed for registration in Canada**					
Zone	OT22-04	102	12	-3	Y	2.3 / S
	OT24-03	91	7	-2	IY	2.3 / S
	PR193498C-11	97	4	-2	IY	2.3 / S
	OT24-04	98	7	-1	IY	2.4 / S
	PR193409C-10	96	4	-1	IY	2.0 / ST
	PR193839C-08	106	4	0	IY	2.3 / S
	Koa	101	7	2	IY	1.9 / ST
	Aurelina	104	21	3	IY	2.0 / ST
	Dufferin	101	11	3	IY	2.1 / ST
	Maya	89	12	4	Y	1.9 / ST
Mid	Jago	103	20	4	Y	2.3 / S
Season	Nala	97	5	4	Y	2.0 / ST
Zone	**Experimental lines that are being tested / proposed for registration in Canada**					
	OT20-06	107	9	2	Y	2.3 / S
	OT24-05	104	7	2	IY	1.9 / ST
	PR182740-19	107	4	2	Y	2.0 / ST
	Hana	99	9	6	Y	2.1 / ST
Long	Stanley	102	15	6	IY	2.1 / ST
Season	**Experimental lines that are being tested / proposed for registration in Canada**					
Zone	PR182804-02	122	3	8	IY	2.0 / ST
CHECK CHARACTERISTICS						
Liska		52 bu/acre	27 site years	119 days		

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

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

Yield Comparisons

Maturity Zone	Variety	2024 Yield: % of Liska						
		Early Sites			Core Sites			
		Arborg	Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe
Very Early Season Zone	AAC Halli	94	93	99	103	90	93	97
	Siberia	97	96	103	105	95	89	100
Early Season Zone	Rosser	100	97	107	101	100	95	101
	Reynolds	100	96	94	87	88	91	91
	Liska	100	100	100	100	100	100	100
	Arietta	109	101	112	128	113	101	102
	Abaca	106	109	125	139	123	111	113
	Experimental lines that are being tested / proposed for registration in Canada							
	OT22-04	92	105	102	110	96	105	102
	OT24-03	91	89	97	102	88	85	89
	PR193498C-11	—	—	—	112	96	94	89
	OT24-04	105	99	89	101	96	96	93
	PR193409C-10	—	—	—	115	88	92	90
	PR193839C-08	—	—	—	119	105	107	98
Mid Season Zone	Koa	—	—	—	106	111	89	102
	Aurelina	98	104	102	112	107	98	104
	Dufferin	—	—	—	113	110	92	102
	Maya	—	—	—	91	90	85	95
	Jago	—	—	—	110	112	97	100
	Nala	—	—	—	102	103	89	109
	Experimental lines that are being tested / proposed for registration in Canada							
	OT20-06	—	—	—	119	118	105	103
	OT24-05	91	107	108	116	107	106	105
	PR182740-19	—	—	—	117	109	97	106
Long Season Zone	Hana	—	—	—	112	106	96	100
	Stanley	—	—	—	120	102	104	99
	Experimental lines that are being tested / proposed for registration in Canada							
	PR182804-02	—	—	—	142	114	110	—
Check Characteristics	**Liska (bu/acre)**	75	54	49	44	42	49	57
	CV %	12.1	7.2	4.3	5.9	6.6	4.5	4.7
	LSD%	—	12	8	11	11	7	8
	Sign Diff	no	yes	yes	yes	yes	yes	yes
	Seeding Date	23-May	30-May	10-May	23-May	23-May	31-May	23-May
	Harvest Date	02-Oct	03-Oct	01-Oct	09-Oct	01-Oct	08-Oct	28-Sep

WESTERN MANITOBA CONVENTIONAL SOYBEANS

Comments:

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

Variety Descriptions

Maturity Zone	Variety	Yield % Check	Site Years Tested	Hilum Colour	Maturity (days)[1] + / - of Check	IDC[2] Rating/Group	2024 Yield % Liska Melita
Very Early Season Zone	Ambella	87	9	BR	-12	2.0 / ST	83
Early Season Zone	AAC Halliⓜ	96	13	Y	-5	1.9 / ST	108
	Siberia	96	11	IY	-3	1.9 / ST	98
Mid Season Zone	Abacaⓜ	103	3	IY	0	1.9 / ST	111
	Liska	100	9	IY	0	2.3 / S	100
	Rosser	99	5	IY	0	1.9 / ST	105
	Experimental lines that are being tested / proposed for registration in Canada						
	CDC Cedar	99	1	IY	-4	2.1 / ST	110
CHECK CHARACTERISTICS						**Liska (bu/ac)**	50
	Liska (bu/ac)	43 bu/acre	9 site years		120 days	**CV%**	6.8
						LSD%	11
						Sign Diff	yes
						Seeding Date	16-May
						Harvest Date	24-Sep

1 Maturity ratings are averaged across the Melita and Swan River sites. Actual maturity will depend on seasonal growing conditions.
2 Iron Deficiency Chlorosis (IDC) Groupings -These ratings are determined at a separate trial near Winnipeg that is prone to IDC. T=Tolerant, ST=Semi-Tolerant, S=Susceptible

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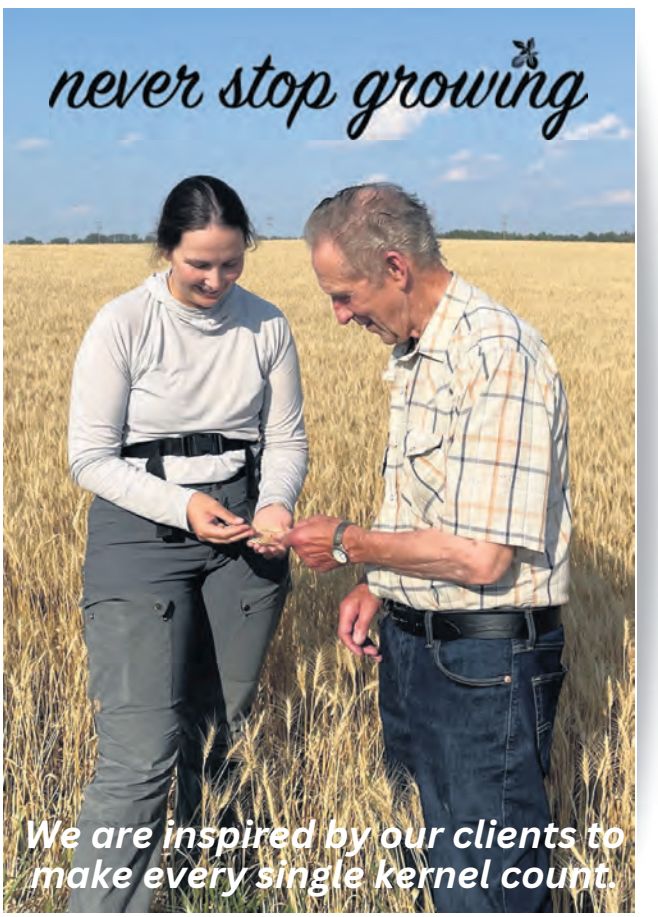

EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

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

Variety Descriptions

Maturity Zone	Variety	Type[1]	Yield % Check	Site Years Tested	Relative Days to Maturity[2] +/- of Check	Hilum Colour	IDC[3] Rating/Group	Resistance SCN[4]	Resistance PRR[5]
	PV S0009X84	R2X	94	12	-6	BL	1.8 / ST	Yes	—
Very Early	S003-R5X	R2X	89	7	-5	IY	2.1 / ST	—	1c
Season Zone	B0024EE	E3	93	7	-5	BF	1.9 / ST		1k,6
	BY Hector XT	R2X	84	12	-4	BL	1.9 / ST	—	1c
	P002A42E	E3	89	12	-3	BF	1.9 / ST	—	1c
	BY Meru E3	E3	97	7	-3	Y	2.1 / ST	—	1c
Early	NS EXP004ME3	E3	102	7	-3	Y	1.9 / ST	—	1k
Season Zone	TH84002X	R2X	90	12	-2	BL	1.8 / ST	Yes	1c
	Hart R2X	R2X	94	19	-2	BR	1.9 / ST	—	1c
	Alouette R2X	R2X	90	7	-2	BL	1.8 / ST	—	1c
	Young R2X	R2X	92	22	-2	BL	1.7 / T	Yes	1c
	Experimental lines that are being tested / proposed for registration in Canada								
	CP00123WPX	WPX	94	12	-2	BR	2.1 / ST	Yes	1c
	B0044EE	E3	99	7	-1	BF	2.0 / ST	Yes	1c
	BY Deno XT	R2X	89	12	-1	BL	2.0 / ST	Yes	1c
	NSC Holland RR2X	R2X	94	22	-1	BR	1.9 / ST	—	1c
	P003Z08E	E3	97	7	-1	Y	2.2 / ST	—	1c
	DKB002-32	R2X	95	25	-1	BR	1.8 / ST	Yes	1k
	P006A37X	R2X	100	39	0	BR	1.8 / ST	—	1c
	NSC Arden RR2X	R2X	91	16	0	BL	1.8 / ST	—	1c
	NSC EXP004CX	R2X	102	7	0	BR	1.8 / ST	—	1c
	NSC Homewood RR2X	R2X	103	7	0	BL	1.7 / T	—	1c
	Oslo XF	R2XF	101	7	0	IY	1.9 / ST	—	—
	TH85003XF	R2XF	97	7	0	BR	2.0 / ST	Yes	1c,3a
Mid	Bourke R2X	R2X	94	36	0	BL	1.8 / ST	—	1k
Season Zone	Merino R2X	R2X	90	13	1	BL	1.7 / T	Yes	1k
	BY Robson XT	R2X	102	6	1	BL	2.1 / ST	—	1c
	P004Z87E	E3	97	7	1	Y	2.1 / ST	—	1c
	PV 22s002 R2X	R2X	90	22	1	BL	2.0 / ST	Yes	1k
	PV 16s004 R2X	R2X	92	33	1	BL	1.8 / ST	Yes	1k
	SI 00323XT	R2X	99	12	1	BL	2.0 / ST	—	1c
	B0074EE	E3	100	7	2	BR	1.9 / ST	—	1c
	Badger R2X	R2X	97	10	2	BL	1.7 / T	—	1k
	TH84005XF	R2XF	86	7	2	BL	2.0 / ST	Yes	1c
	SI 00623XT	R2X	102	12	2	BL	2.0 / ST	—	1c
	Mao R2X	R2X	100	11	2	BL	1.7 / T	Yes	1c
	Experimental lines that are being tested / proposed for registration in Canada								
	EXP006-24E3	E3	96	7	-1	B	1.7 / T	Yes	1k,3a
	EXP006-24XF	R2XF	96	7	0	BR	1.8 / ST	Yes	1c,3a
	PR23X2350	R2X	105	7	1	IY	2.0 / ST	—	—
	CP00523WPX	WPX	98	9	2	BL	2.1 / ST	—	1k,1c
	PR150019Z-14	R2X	90	4	2	BL	2.0 / ST	—	1c
	P008Z25E	E3	104	4	3	Y	1.9 / ST	—	1c
	P009Z94E	E3	107	4	3	BF	1.9 / ST	Yes	1k,6
	TH82005 R2X	R2X	99	22	3	BR	1.9 / ST	—	1k
	S007-A2XS	R2X	99	22	3	GR	1.8 / ST	—	—
	DKB006-80	R2X	103	10	4	BL	1.7 / T	Yes	1c
Long	P007A68E	E3	98	12	4	BF	1.9 / ST	—	1c
Season Zone	DKB004-04	R2X	94	7	4	BL	1.7 / T	Yes	1c
	Rico R2X	R2X	102	6	4	B	2.3 / S	Yes	1c

Maturity Zone	Variety	Type[1]	Yield % Check	Site Years Tested	Relative Days to Maturity[2] +/- of Check	Hilum Colour	IDC[3] Rating/Group	Resistance SCN[4]	Resistance PRR[5]
	DKB007-91XF	R2XF	92	4	5	BL	1.9 / ST	—	1c
	DKB009-96	R2X	93	4	5	BL	1.9 / ST	Yes	1c
	Triquet R2X	R2X	100	6	5	Bl	1.7 / T	Yes	1k
	TH81007 R2XN	R2X	100	11	5	BR	1.7 / T	Yes	1c
	PV S007XF55	R2XF	102	4	6	BL	1.8 / ST	Yes	—
	SI 00723XFN	R2XF	98	12	6	BL	1.7 / T	Yes	1c
	TH74007E	E3	106	4	7	BF	1.9 / ST	Yes	3a
	Experimental lines that are being tested / proposed for registration in Canada								
	EXP N007E3	E3	108	4	3	BR	2.1 / ST	—	1k,3a
	PR24XF2450	R2XF	105	4	3	BR	1.8 / ST	—	—
	C4M24517 XT	R2X	103	4	5	BL	1.9 / ST	Yes	—
CHECK CHARACTERISTICS									
	P006A37X		52 bu/acre	39 site years	118 days				

1 R2X -Xtend technology (dicamba and glyphosate), R2Y-Roundup-Ready 2 technology (glyphosate only), RR1 - Roundup Ready 1 technology (glyphosate), E3 Enlist (glyphosate,2,4-D,glufosinate) WPX-Blended Variety Extend Tolerant (glyphosate, dicamba), R2XF Extend Flex Technology (Glyphosate,Dicamba,glufosinate)
2 Maturity Ratings are averaged across Carman, Morris, Portage, St. Adolphe sites over multiple years
3 Iron Deficiency Chlorosis (IDC) Groupings -These ratings are 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

EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS *(continued)*

Yield Comparisons

		2024 Yield: % of P006A37X						
		Early Sites			Core Sites			
Maturity Zone	**Variety**	**Arborg**	**Beausejour**	**Stonewall**	**Carman**	**Morris**	**Portage**	**St. Adolphe**
	PV S0009X84	96	104	96	100	92	91	97
	S003-R5X	112	97	104	85	103	98	99
Very Early	B0024EE	92	89	98	95	92	93	90
Season Zone	BY Hector XT	86	79	89	77	84	87	89
	P002A42E	96	87	92	100	90	105	89
	BY Meru E3Ω	88	98	96	100	107	101	97
Early	NS EXP004ME3	96	92	106	116	100	103	103
Season Zone	TH84002X	88	86	94	99	93	82	92
	Hart R2X	97	99	107	99	93	107	105
	Alouette R2X	94	89	93	85	87	97	89
	Young R2X	89	104	102	95	101	102	94
	Experimental lines that are being tested / proposed for registration in Canada							
	CP00123WPX	90	90	103	101	89	104	104
	B0044EE	109	89	101	91	97	103	101
	BY Deno XT	93	85	94	84	91	89	81
	NSC Holland RR2X	106	100	95	93	99	99	92
	P003Z08E	97	94	99	107	99	102	88
	DKB002-32	110	97	102	102	98	102	104
	P006A37X	100	100	100	100	100	100	100
	NSC Arden RR2X	94	93	100	94	91	100	98
	NSC EXP004CX	105	99	103	99	104	98	104
	NSC Homewood RR2X	104	99	109	109	93	103	99
	Oslo XF	95	104	98	110	104	107	95
	TH85003XF	98	90	98	100	104	104	92
Mid	Bourke R2X	96	95	98	89	107	87	101
Season Zone	Merino R2X	102	93	91	81	96	93	90
	BY Robson XT	—	—	—	96	102	102	103
	P004Z87E	98	101	97	103	85	97	89
	PV 22s002 R2X	90	83	90	83	93	91	96
	PV 16s004 R2X	—	—	—	86	98	97	96
	SI 00323XT	102	93	103	94	95	103	91
	B0074EE	94	104	96	102	108	99	100
	Badger R2X	—	—	—	97	96	101	101
	TH84005XF	80	84	90	80	88	88	96
	SI 00623XT	106	105	105	98	109	110	101
	Mao R2X	—	—	—	102	105	104	102
	Experimental lines that are being tested / proposed for registration in Canada							
	EXP006-24E3	98	93	98	102	95	97	87
	EXP006-24XF	94	93	100	99	92	108	90
	PR23X2350	110	100	106	107	101	113	98
	CP00523WPX	105	97	98	88	97	98	101
	PR150019Z-14	—	—	—	88	93	85	91

		2024 Yield: % of P006A37X						
		Early Sites			Core Sites			
Maturity Zone	**Variety**	**Arborg**	**Beausejour**	**Stonewall**	**Carman**	**Morris**	**Portage**	**St. Adolphe**
	P008Z25E	—	—	—	99	105	109	106
	P009Z94E	—	—	—	112	106	110	100
	TH82005 R2X	100	93	96	100	97	114	108
	S007-A2XS	91	103	105	100	95	97	105
	DKB006-80	109	105	105	95	105	105	106
Long	P007A68E	95	93	98	94	101	108	84
Season Zone	DKB004-04	90	92	104	85	95	94	100
	Rico R2X	—	—	—	109	105	110	104
	DKB007-91XF	—	—	—	91	99	97	88
	DKB009-96	—	—	—	76	111	97	97
	Triquet R2X	—	—	—	97	103	103	106
	TH81007 R2XN	—	—	—	106	98	98	102
	PV S007XF55	—	—	—	104	99	103	103
	SI 00723XFN	101	91	103	95	98	94	104
	TH74007E	—	—	—	106	103	112	105
	Experimental lines that are being tested / proposed for registration in Canada							
	EXP N007E3	—	—	—	110	106	106	107
	PR24XF2450	—	—	—	105	108	108	101
	C4M24517 XT	—	—	—	102	94	99	111
Check Characteristics	**P006A37X** (bu/acre)	78	63	56	57	39	36	61
	CV %	6	7	4	7	7	6	4
	LSD%	10	11	7	10	11	10	7
	Sign Diff	yes	yes	yes	yes	yes	yes	yes
	Seeding Date	23-May	30-May	10-May	23-May	23-May	31-May	23-May
	Harvest Date	02-Oct	03-Oct	03-Oct	09-Oct	27-Sep	08-Oct	27-Sep

SUNFLOWERS — CONFECTIONARY TYPE

Comments:

These varieties were tested and data donated by the Manitoba Crop Alliance (MCA).

All sunflowers varieties listed are susceptible to sclerotinia and sunflower rust strains present in Manitoba.

Genetic resistance to verticillium wilt is rated as moderately susceptible to moderately resistant for all sunflower varieties presented.

Plant population and environment will contribute greatly to the final product.

Variety Descriptions

						Height			
		Genetic	Site	Yield	Maturity[2]	(+/- check,	2024 Seed Sizing (%)[3]		
Company	**Hybrid**	**Traits[1]**	**Years**	**% Check**	**(days to R9)**	**inches)**	**>22/64**	**>20/64**	**<20/64**
NuSeed	6946 DMR	DM	42	100	0	0	30	33	34
MCA	MCA 359239	ExSun	12	109	2	2	81	11	8
MCA	MCA 359306	ExSun	12	108	0	-3	73	16	12
Experimental lines tested/proposed for registration in Canada									
NuSeed	N6L377 CL	CL	5	119	2	-4	62	21	18
Nuseed	NJKM65823	CL	12	97	3	-2	43	32	25
CHECK CHARACTERISTICS									
	6946 DMR		42 site years	2754 lb/ac	122 days	63 inches			

1 Genetic traits include CL = Clearfield tolerance; ExSun = Express tolerance; DM = Downy Mildew Resistance.
2 Physiological maturity for sunflowers is R9, where the bracts on the head are almost completely brown.
3 Totals may not add to 100% due to rounding; information based off two sites at Elm Creek and Rossendale.
Refer to the MCA website at www.mbcropalliance.ca for more details.

SUNFLOWERS – CONFECTIONARY TYPE *(continued)*

Site Comparisons

	Carberry							
	Yield	Moisture	Maturity[1]	Height	2024 Seed Sizing (%)[2]			Test Wt[3]
Hybrid	(lb/acre)	(%)	(days to R9)	(inches)	>22/64	>20/64	<20/64	(lb/bu)
6946 DMR	1587	18.8	136	50	18	38	23	23.5
MCA 359239	1686	18.6	139	45	85	12	3	24.3
MCA 359306	1715	18.2	143	45	82	15	3	24.3
Experimental lines being tested/proposed for registration in Canada								
N6L377 CL	1458	17.4	143	46	66	23	10	25.4
NJKM65823	1576	18.3	134	47	57	29	15	25.3
Site Average	1604	18.3	139	47	—	—	—	24.3
CV%	8.23	4.67	0.92	8.14	—	—	—	6.4
Sign Diff	No	No	Yes	No	—	—	—	No
LSD (0.05)	—	—	2	—	—	—	—	—
Planting Date	10-May							
Desiccation Date	08,16-Oct							
Harvest Date	10-Oct							

1 Physiological maturity for sunflowers is R9, where the bracts on the head are almost completely brown.
2 Totals may not add to 100% due to rounding
3 Test weights are reported in lbs per Avery (Canadian) bushel.
4 Lodging where 1 is no lodging; 3 is 30% lodging
Refer to the MCA website at www.mbcropalliance.ca for more details.

Site Comparisons – *continued*

	Beausejour							
	Yield	Moisture	Maturity[1]	Height	2024 Seed Sizing (%)[2]			Test Wt[3]
Hybrid	(lb/acre)	(%)	(days to R9)	(inches)	>22/64	>20/64	<20/64	(lb/bu)
66946 DMR	1219	13.9	124	51	23	49	29	25.5
MCA 359239	1204	15.7	126	58	71	21	8	24.3
MCA 359306	1006	14.7	120	53	74	19	7	24.8
Experimental lines being tested/proposed for registration in Canada								
N6L377 CL	1336	17.1	126	54	59	25	16	22.2
NJKM65823	1140	18.4	127	55	38	36	26	24.6
Site Average	1181	16.0	125	54	—	—	—	24.3
CV%	5.90	6.43	1.19	4.83	—	—	—	3.18
Sign Diff	Yes	Yes	Yes	No	—	—	—	Yes
LSD (0.05)	139	1.9	3	—	—	—	—	1.5
Planting Date	29-May							
Desiccation Date	**0**3-Oct							
Harvest Date	10-Oct							

1 Physiological maturity for sunflowers is R9, where the bracts on the head are almost completely brown.
2 Totals may not add to 100% due to rounding
3 Test weights are reported in lbs per Avery (Canadian) bushel.
4 Lodging where 1 is no lodging; 3 is 30% lodging
Refer to the MCA website at www.mbcropalliance.ca for more details.

	Elm Creek							Rossendale							
	Yield (lb/acre)	Moisture (%)	Maturity[1] (days to R9)	Height (inches)	2024 Seed Sizing (%)[2] >22/64	>20/64	<20/64	Test Wt[3] (lb/bu)	Yield (lb/acre)	Moisture (%)	Maturity[1] (days to R9)	Height (inches)	2024 Seed Sizing (%)[2] >22/64	>20/64	<20/64	Test Wt[3] (lb/bu
	2216	9.2	—	70	21	44	26	17.0	1485	10	—	69	21	45	27	22.4
	1988	9.9	—	73	92	4	5	19.4	2343	10.3	—	70	91	6	3	22.5
	2108	9.1	—	67	87	7	6	19.0	2122	10.3	—	65	87	8	5	21.7
	2200	9.7	—	65	67	18	15	20.6	1994	11.0	—	63	76	17	8	21.1
	1861	9.4	—	69	77	16	7	23.3	1779	9.7	—	65	62	26	12	23.6
	2074	9.5	112	69	—	—	—	19.9	1945	10.3	—	66	—	—	—	22.3
	6.59	9.2	1.43	4.50	—	—	—	9.0	11.40	9.37	—	2.40	—	—	—	4.18
	No	No	Yes	No	—	—	—	Yes	Yes	No	—	Yes	—	—	—	No
	—	—	3	—	—	—	—	3.5	418	—	—	3	—	—	—	—
	29-May								29-May							
	—								08-Oct							
	21-Oct								16-Oct							

	Melita							
	Yield (lb/acre)	Moisture (%)	Maturity[1] (days to R9)	Height (inches)	2024 Seed Sizing (%)[2] >22/64	>20/64	<20/64	Test Wt[3] (lb/bu)
	1683	11.1	144	87	57	24	19	25.7
	3112	13.0	144	80	96	3	0	23.5
	2891	11.6	144	79	88	6	6	24.8
	2792	12.0	144	77	84	11	5	23.9
	2353	11.2	144	78	71	21	7	25.9
	2566	11.8	—	80	—	—	—	24.8
	15.23	9.6	—	6.29	—	—	—	4.03
	Yes	No	—	No	—	—	—	No
	736	—	—	—	—	—	—	—
	17-May							
	01-Oct							
	17-Oct							

SUNFLOWERS – OIL TYPE

Comments:

These varieties were tested and data donated by the Manitoba Crop Alliance (MCA).

Oil sunflower markets include birdfood, oil crush and de-hull. Variety selection becomes more important when trying to capture de-hull markets. Choose varieties with better de-hull ratio, larger size and higher test weight. Environment will contribute greatly to final product.

Plant population and environment will contribute greatly to the final product.

Percent (%) oil content was unavailable at press time, visit www.mbcropalliance.ca for more detail.

Variety Descriptions

Company	Variety	Herbicide/Disease Tolerance[1]	Site Years	Yield (% check)	Maturity[2] (+/- check)	Height (+/- check, inches)	% Oil	Oil Type[3]	Test Weight[4]
WinField United | CROPLAN	CP432E	ExSun	17	109	-1	-1	43.4	NS	29.6
WinField United | CROPLAN	CP455E	ExSun	17	119	3	1	45.2	HO	28.7
NuSeed	N4H161 CL	CL/ExSun	15	177	-8	-12	43.1	HO	30.2
NuSeed	N4HM354	CL	24	115	-2	-3	47.2	NS	32.5
Pioneer Hi-Bred	P63HE501	ExSun	17	187	0	1	42.6	HO	29.6
Pioneer Hi-Bred	P63ME80	ExSun / DM	30	100	0	0	47.1	NS	30.3
Experimental lines tested/proposed for registration in Canada									
RAGT	AC2301	CL Plus	8	96	4	2	40.3	HO	27.9
NuSeed	Badger DMR	CL	4	121	1	-1	33.5	NS	28.2
NuSeed	N4H134 E	ExSun	4	85	-1	-15	38.6	HO	30.3
NuSeed	N4H205 E	ExSun	4	128	-3	-5	44.9	HO	29.7
NuSeed	N4L337 E	ExSun	4	121	3	-2	43.5	HO	29.6
Pioneer Hi-Bred	P63HE920	ExSun	11	110	5	0	43.1	HO	31.3
CHECK CHARACTERISTICS									
	P63ME80		30 site years	2662 lb/ac	125 days	62 inches			

1 Genetic traits include CL = Clearfield herbicide tolerance; ExSun = Express SG herbicide tolerance; DM = Downy Mildew Resistance.
2 Physiological maturity for sunflowers is R9, where the bracts on the head are almost completely brown.
3 Oil Type include NS=NuSun; HO=High Oleic; CO = ConOil
4 Test weights reported in lbs per Avery (Canadian) bushel.

Site Comparisons

	Carberry						Beausejour					
Hybrid	Yield (lb/acre)	Moisture (%)	Maturity[1] (days to R9)	Height (inches)	Test Wt[2] (lb/bu)	Oil (%)	Yield (lb/acre)	Moisture (%)	Maturity[1] (days to R9)	Height (inches)	Test Wt[2] (lb/bu)	Oil (%)
CP432E	1390	18.2	143	61	27.0	—	1362	23.8	—	57	32.5	—
CP455E	1350	17.4	141	60	27.3	—	1476	25.9	—	55	31.4	—
N4H161 CL	1274	18.4	144	58	27.4	—	1092	20.4	—	44	33.4	—
N4HM354	1279	19.4	144	58	28.3	—	1400	23.2	—	53	34.1	—
P63HE501	1213	19.1	142	59	29.3	—	1352	21.0	—	61	33.7	—
P63ME80	1269	17.7	145	59	28.9	—	1187	25.6	—	57	30.9	—
Experimental lines being tested/proposed for registration in Canada												
AC2301	1299	17.9	147	62	28.1	—	975	24.3	—	58	30.2	—
Badger DMR	1301	18.5	144	59	28.1	—	1730	19.8	—	57	32.1	—
N4H134 E	1181	17.3	140	60	28.8	—	991	17.9	—	45	32.0	—
N4H205 E	1478	17.3	142	58	27.6	—	1994	19.9	—	52	33.9	—
N4L337 E	1084	18.1	145	59	27.8	—	1628	19.5	—	53	33.2	—
P63HE920	1322	18.4	145	59	27.7	—	1473	24.7	—	59	35.0	—
Site Average	1287	18.1	144	59	28.0	—	1388	22	—	54	32.7	—
CV%	11.65	7.39	2.59	5.58	7.43	—	12.36	17.69	—	4.34	4.1	—
Sign Diff	No	No	No	No	No	—	Yes	No	—	Yes	Yes	—
LSD (0.05)	—	—	—	—	—	—	292	—	—	4	2.3	—
Planting Date	10-May						16-May					
Desiccation Date	08,16-Oct						3-Oct					
Harvest Date	16-Oct						10-Oct					

1 Physiological maturity for sunflowers is R9, where the bracts on the head are almost completely brown.
2 Test weights are reported in lbs per Avery (Canadian) bushel.
Refer to the MCA website at www.mbcropalliance.ca for more details.

Distributor Contacts for Listed Varieties in Seed Manitoba 2025

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

B3012	Brevant seeds
BY 7204LL	BrettYoung
C8M24520 RR	Maizex seeds
C8M24523 RR	Maizex seeds
C8M24524 RR	Maizex seeds
CP21L3C	WinField United | CROPLAN
CP21T3P	WinField United | CROPLAN
CP22T1C	WinField United | CROPLAN
CP24L3C	WinField United | CROPLAN
CS3200 TF	CANTERRA SEEDS
CS3300 TF	CANTERRA SEEDS
CS4000 LL	CANTERRA SEEDS
InVigor L340PC	BASF | InVigor
InVigor L343PC	BASF | InVigor
InVigor L350PC	BASF | InVigor
InVigor L356PC	BASF | InVigor

FLAX

CDC Esme	SeCan
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
NuLin50	Nutrien Ag Solutions | Proven Seed
Topaz	Alliance Seed
WestLin 60	Nutrien Ag Solutions | Proven Seed
WestLin 70	Nutrien Ag Solutions | Proven Seed
WestLin 71	Nutrien Ag Solutions | Proven Seed
WestLin 72	Nutrien Ag Solutions | Proven Seed

FLAX

AAC Bravo	FP Genetics
AAC Bright	SeCan
AAC Marvelous	FP Genetics
AAC Prairie Sunshine	SeCan
AC Emerson	SeCan
AC Prairie Blue	SeCan
AC Prairie Thunder	CANTERRA SEEDS
CDC Bethune	SeCan
CDC Buryu	SeCan
CDC Dorado	SeedNet

CONVENTIONAL SOYBEANS

AAC Halli	Interlake.org Inc.
Nala	Prograin Inc
Hana	Prograin Inc
Koa	Prograin Inc
Liska	Prograin Inc
Maxus	Prograin Inc
Maya	Prograin Inc
Siberia	Prograin Inc
Abaca	SAATBAU LINZ eGen
Ambella	SAATBAU LINZ eGen

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A Manitoba Crop Variety Decision Tool

CONVENTIONAL SOYBEANS

Aurelina ♔	SAATBAU LINZ eGen
Arietta	Semences Saatbau Canada Inc.
Amistar	Semican Inc.
Jador	Semican Inc.
Mozart	Semican Inc.
Prostar ♔	Semican Inc.
Dufferin	Sevita International
Rosser	Sevita International
Reynolds	Sevita International
Stanley	Sevita International
Baffin	SG CERESCO
Fjord	SG CERESCO
Jago	SG CERESCO
Kebek	SG CERESCO

ROUNDUP READY SOYBEANS

Akras R2	BrettYoung
Amirani R2	BrettYoung
BY Arvon XT	BrettYoung
BY Deno XT	BrettYoung
BY Hector XT	BrettYoung
BY Meru E3♔	BrettYoung
BY Nebo XT	BrettYoung
BY Robson XT	BrettYoung
B0024EE	BREVANT seeds
B0044EE	BREVANT seeds
B0074EE	BREVANT seeds
CP000521X	CROPLAN
CP000620RX	CROPLAN
CP00120RX	CROPLAN
CP00123X	CROPLAN
CP00419RX	CROPLAN
CP00519RX	CROPLAN
CP00621X	CROPLAN
CP00722X	CROPLAN
DKB0005-03	DEKALB
DKB0008-87	DEKALB
DKB001-07	DEKALB
DKB002-32	DEKALB
DKB004-04	DEKALB
DKB006-80	DEKALB
DKB007-91XF	DEKALB
DKB008-48	DEKALB
DKB009-96	DEKALB
Badger R2X	Maizex seeds
Wolf R2X ♔	Maizex seeds
NS EXP004ME3	Northstar Genetics Canada
NSC Arden RR2X	Northstar Genetics Canada
NSC Dauphin RR2X	Northstar Genetics Canada
NSC EXP0008CX	Northstar Genetics Canada
NSC EXP004CX	Northstar Genetics Canada
NSC Holland RR2X	Northstar Genetics Canada
NSC Homewood RR2X	Northstar Genetics Canada
NSC Winkler RR2X	Northstar Genetics Canada
PV 16s004 R2X	Nutrien Ag Solutions
PV 22s002 R2X	Nutrien Ag Solutions
PV S0007X74	Nutrien Ag Solutions
PV S0009X84	Nutrien Ag Solutions
PV S007XF55	Nutrien Ag Solutions
P002A42E	Pioneer Hi-Bred
P008Z25E	Pioneer Hi-Bred
P009Z94E	Pioneer Hi-Bred
P003Z08E	Pioneer Hi-Bred
P004Z87E	Pioneer Hi-Bred
P005A59E	Pioneer Hi-Bred
P007A68E	Pioneer Hi-Bred
Dextro R2X	Prograin Inc
Elmo E3	Prograin Inc
Fresco R2X	Prograin Inc
Kudo R2X	Prograin Inc
Mao R2X	Prograin Inc
Merino R2X	Prograin Inc
Oslo XF	Prograin Inc
Rico R2X	Prograin Inc
Alouette R2X	SeCan

ROUNDUP READY SOYBEANS

Barker R2X	SeCan
Bourke R2X	SeCan
Briggs R2X	SeCan
Fisher R2X	SeCan
Foote R2	SeCan
Hart R2X	SeCan
Mahony R2	SeCan
Major R2X	Secan
Triquet R2X	SeCan
Young R2X	SeCan
SI 001XTN	Sevita International
SI 00221XTN	Sevita International
SI 00321XT	Sevita International
SI 00323XT	Sevita International
SI 00421XT	Sevita International
SI 00623XT	Sevita International
SI 00723XFN	Sevita International
SI 007XTN	Sevita International
S0007-S1X	Syngenta Canada
S0009-J5X	Syngenta Canada
S001-D8X	Syngenta Canada
S003-R5X	Syngenta Canada
S005-C9X	Syngenta Canada
S007-A2XS	Syngenta Canada
TH 87003 R2X	Thunder Seeds Canada
TH74007E	Thunder Seeds Canada
TH81007 R2XN	Thunder Seeds Canada
TH82005 R2X	Thunder Seeds Canada
TH84002X	Thunder Seeds Canada
TH84005XF	Thunder Seeds Canada
TH85003XF	Thunder Seeds Canada

SUNFLOWERS

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

DISTRIBUTOR	PHONE NUMBER
Alliance Seed	1-877-270-2890
BASF	1-877-371-2273
Bayer CropScience Canada Ltd. (DEKALB)	1-888-283-6847
BrettYoung	1-800-665-5015
BREVANT seeds	1-800-667-3852
CANTERRA SEEDS	1-877-439-7333
FP Genetics	1-877-791-1045
Interlake.org Inc	1-204-641-0230
Maizex Seeds	1-519-682-1720
Northstar Genetics Canada	1-204-262-2425
Nuseed Americas Inc	1-877-841-7447
Nutrien Ag Solutions | Proven Seed	1-204-435-2063
Pioneer Hi-Bred	1-306-385-3001
Prograin Inc.	1-800-817-3732
SAATBAU LINZ eGen	1-514-609-0881
SeCan	1-800-665-7333
SeedNet	1-403-715-9771
Semences Saatbau Canada Inc.	1-514-609-0881
Semican Inc.	1-819-362-8823
Sevita International	1-613-989-3000
SG CERESCO	1-450-454-2727
Syngenta Canada Inc.	1-877-964-3682
Thunder Seeds Canada	1-306-213-8888
WinField United | CROPLAN	1-306-249-5112

Growers List

FLAX

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

CDC ESME

Carman; Menold, Thomas	204-750-2682			R
Stonewall; Unger Seed Farm Ltd.	204-467-8630			R
Wawanesa; Ellis Seeds	204-824-2290			R

CDC ROWLAND

Boissevain; Armstrong Seeds Ltd.	204-534-2566			C
Crystal City; Buchanan, Kenneth, Jayden, & Dean	204-825-7151			C
Domain; Manness, Clayton	204-736-2922	F		
Notre Dame De Lourdes; Durand Seeds Inc.	204-248-2268		R	
Oak Lake; Gerlyn Acres Ltd.	204-851-2241			C
Reston; Avondale Seed Farm Ltd.	204-877-3813		R	
Somerset; Sierens Seed Service	204-744-2883			C

HEMP

CNAP1HOH

Ste. Agathe; Darrell McElroy	204-823-2898	F		

FINOLA

Ste. Agathe; Darrell McElroy	204-823-2898			C

SOYBEANS

ALOUETTE R2X

Arborg; Timchishen Seeds Farms	204-641-1288	F	R	
Brandon; Wheat City Seeds Ltd.	204-727-3337		R	
Carman; RJP Seed Ltd.	204-745-3304		R	
Darlingford; Morrow, Graham	204-362-8986		R	
Dauphin; Fisher Seeds Ltd.	204-622-8800		R	
Kenton; Stevenson, Richard & Douglas	204-573-3054		R	
Miniota; Walker, Alan Glen	204-748-7264		R	
Reston; Avondale Seed Farm Ltd.	204-877-3813		R	
Stonewall; Unger Seed Farm Ltd.	204-467-8630		R	
Warren; Riddell Seed Co.	204-227-5679	S	R	
Wawanesa; Ellis Seeds	204-824-2290		R	

BADGER R2X

Rosenort; Friesen Seeds Ltd.	204-746-8325	S		

BARKER R2X

Portage La Prairie; Askin, Raymond & Jeffrey	204-856-3483			C

BOURKE R2X

Brandon; Wheat City Seeds Ltd.	204-727-3337		R	
Carman; RJP Seed Ltd.	204-745-3304	S	F	C
Oak Bank; Willowdale Seeds	204-801-0659		R	
Portage La Prairie; Askin, Raymond & Jeffrey	204-856-3483		R	

BRIGGS R2X

Ste. Rose Du Lac; Gamache, Ryan	204-447-2118		R	

HART R2X

Arborg; Timchishen Seeds Farms	204-641-1288	S	F	C
Darlingford; Morrow, Graham	204-362-8986			C
Oak Bank; Willowdale Seeds	204-801-0659		R	
Oakville; Miller Agritec Farm Inc.	204-267-2363		R	
Portage La Prairie; Pugh Seeds Ltd.	204-871-1467			C
Ste. Anne; Seine River Seed Farm	204-371-7700			C
Stonewall; Unger Seed Farm Ltd.	204-467-8630			C
Warren; Riddell Seed Co.	204-227-5679	S	F	C
Wawanesa; Ellis Seeds	204-824-2290			C

SOYBEANS

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MAHONY R2

Kenton; Stevenson, Richard & Douglas	204-573-3054			C

NSC ARDEN RR2X

Domain; Pitura Seed Farms Ltd.	204-736-2849			R
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	S	F	R
Morden; Wilson, James	204-362-2449			R
Oak River; J.S.Henry & Son Ltd.	204-566-2422	S	F	R
Plumas; Court Seeds Ltd.	204-386-2354			R
Reston; Avondale Seed Farm Ltd.	204-877-3813			R
St. Claude; R-Way Ag. Ltd.	204-379-2582			R

NSC DAUPHIN RR2X

Grosse Isle; Rutherford Farms Ltd.	204-467-5613			C
Oak River; J.S.Henry & Son Ltd.	204-566-2422	S	F	R
Russell; Keating Seed Farms Inc.	204-773-3854			C

NSC EXP004CX

Domain; Manness Seed	204-736-2622	S	F	R
Grosse Isle; Rutherford Farms Ltd.	204-467-5613			R

NSC EXP004ME3

Domain; Manness Seed	204-736-2622	S	F	

NSC HOLLAND RR2X

Cooks Creek; Saramaga, Robert & Andrew	204-771-0951		R	C
Domain; Manness Seed	204-736-2622		R	
Domain; Pitura Seed Farms Ltd.	204-736-2849		R	
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	S	F	R
Morden; Wilson, James	204-362-2449			C
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	R C
St. Claude; R-Way Ag. Ltd.	204-379-2582			R

NSC HOMEWOOD RR2X

Cooks Creek; Saramaga, Robert & Andrew	204-771-0951			R
Domain; Manness Seed	204-736-2622			R
Domain; Pitura Seed Farms Ltd.	204-736-2849	S	F	R
Grosse Isle; Rutherford Farms Ltd.	204-467-5613			R
Homewood; Agassiz Seed Farm	204-745-6655			R
Rosenort; Friesen Seeds Ltd.	204-746-8325	S	F	R

NSC WINKLER RR2X

Cooks Creek; Saramaga, Robert & Andrew	204-771-0951			C
Domain; Manness Seed	204-736-2622			C
Domain; Pitura Seed Farms Ltd.	204-736-2849		R	C
Homewood; Agassiz Seed Farm	204-745-6655			C
Rosenort; Friesen Seeds Ltd.	204-746-8325			C

TRIQUET R2X

Carman; Menold, Ulrich, Tyler & Lucas	204-750-2675		R	

WOLF R2X

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

YOUNG R2X

Arborg; Timchishen Seeds Farms	204-641-1288		F	R
Brandon; Wheat City Seeds Ltd.	204-727-3337			C
Dauphin; Fisher Seeds Ltd.	204-622-8800		F	C
Kenton; Stevenson, Richard & Douglas	204-573-3054		F	C
Mac Gregor; Hulme Agra Products Inc.	204-871-4666			C
Miniota; Walker, Alan Glen	204-748-7264			C
Oak Bank; Willowdale Seeds	204-801-0659			R
Reston; Avondale Seed Farm Ltd.	204-877-3813			C
Rivers; Redsper Enterprises	204-328-5346			C
Ste. Rose Du Lac; Gamache, Ryan	204-447-2118			C
Warren; Riddell Seed Co.	204-227-5679		F	
Wawanesa; Ellis Seeds	204-824-2290		F	C