

# 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.

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

Π 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 2023 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.

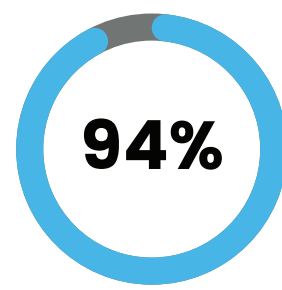
Sign Diff = Significant Difference. Indicates if a real difference exists between varieties at an individual site.

## 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 XXX.

# The Future of Independent Canola Variety Testing in Manitoba



*Manitoba’s canola growers will notice an absence of 2023 Manitoba canola variety data in Seed Manitoba as no independent variety testing program hit the fields this season.*

In the past, a prairie-wide canola variety testing program (Canola Performance Trials) was run collaboratively by the Manitoba Canola Growers Association (MCGA), Alberta Canola and SaskCanola. This program concluded after the 2022 field season as the program was no longer meeting the needs of canola growers in its current format. MCGA committed to providing growers in Manitoba access to independent canola variety data in 2023 by re-aligning the program with grower priorities and initiating a Manitoba-specific variety testing program. Unfortunately, due to the limited support received from industry the program would not have resulted in the robust and valuable variety data that is MCGA’s goal for an updated variety testing program. This left MCGA in a unique position to ask Manitoba’s canola growers their opinion on independent variety testing and quantify the value of a future program.

In July 2023, over 400 growers and agronomists covering every RM in Manitoba where canola is grown were surveyed. The survey covered a wide range of topics surrounding independent canola variety testing, including how this data has been used on farms in the past and what the most important aspects of a program are moving forward.

**“It’s the only way to get a good idea of all the varieties available across companies.”**

## Independent variety trial data is influential in respondents’ canola purchasing decisions

A key finding of the survey showed that 94% of growers and agronomists indicated that independent variety data is influential in their canola purchasing decisions. Respondents indicated that independent testing is highly valued due to the unbiased, cross-company nature of third-party testing. In terms of varieties being tested in the program, 95% indicated that including performance results of the newest and common older varieties was important for adding context to results. Regionality of trials, to ensuring the variability of Manitoba growing regions are represented, was also very important to producers and agronomists.

Independent variety testing brings value to growers because it’s just that: independent. Varieties are tested in a small-plot format that allows for the evaluation of large numbers of varieties across companies, grown under the same set of environmental conditions, and using the same management practices. These results are expected to be used in combination with industry and retail field-scale testing results to provide a well-rounded picture of how varieties are performing across the province. Small-plot independent testing also provides a unique opportunity for comparisons of agronomic traits in addition to yield such as disease incidence, maturity, and pod shatter/drop.

*With overwhelming support from the extensive survey of canola growers and agronomists across Manitoba, MCGA will continue to work towards launching an independent canola variety testing program for the 2024 growing season. Discussions with industry members will work to establish a robust and valuable program, providing support to Manitoba’s canola farmers as they make their variety decisions.*



# Manitoba Agriculture Variety Guide

## CANOLA

All Canadian canola testing sites are divided into long, mid, and short-season zones. Only mid- and long-season zones apply to Manitoba. Yields derived over two or more growing seasons are the best indicator of variety performance. Use single site year data with caution. Data donated by the Canola Performance Trials (CPT) Committee for Manitoba sites. For more information visit [www.canolaperformancetrials.ca](http://www.canolaperformancetrials.ca). North Dakota State University (NDSU) Canola Variety Trials from 2023 season have been included due to no Manitoban trials in 2023. Site of NDSU Variety Trials was the NDSU Langdon Research Extension Center in Langdon, North Dakota. To see full NDSU reports, please visit <https://www.ag.ndsu.edu/varietytrials/canola>.

### Comments:

Variety descriptions summarize the varieties tested in the 2022 Canola Performance Trials (CPT) and NDSU 2023 Canola Variety Trials.

### 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](http://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. 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 XX 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](http://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/do not have a rating. Numeric pod shatter ratings are provided by their respective companies, or may not yet be identified on the new rating system.

For a full list of current canola cultivar trait labels, visit <https://www.canolacouncil.org/canola-encyclopedia/history-of-canola-seed-development/canola-seed-traits/>.

## LIBERTY LINK CANOLA

### Variety Description

Name	Trial Location (Year) <sup>1</sup>	Herbicide Tolerance <sup>2</sup>	Blackleg Resistance <sup>3</sup> (Group)	Clubroot Resistance <sup>3</sup> (Generation)	Pod Shatter Resistance <sup>4</sup> (Rating 1-9)
<b>Liberty Link</b>					
B3010M	MB (2022)	LL	R	R	Y (6)
CP21L3C	MB (2022)	LL	R	R	—
CS4000 LL	MB (2022), NDSU (2023)	LL	R	R	Y
DKLL 82 SC	MB (2022), NDSU (2023)	LL	R (A,C,G)	—	Y (7.5)
DKTFLL 21 SC	MB (2022), NDSU (2023)	LL/TF	R (A,C,G)	—	Y (7.6)
L233P	NDSU (2023)	LL	R	—	—
L340PC	MB (2022), NDSU (2023)	LL	R	R	Y
L343PC	MB (2022), NDSU (2023)	LL	R	R	Y
L345PC	MB (2022), NDSU (2023)	LL	R	R	Y
L356PC	MB (2022)	LL	R	R	Y
P501L	MB (2022)	LL	R	R	Y (4)
P505MSL	MB (2022), NDSU (2023)	LL	R	R	Y (7)
P506ML	MB (2022)	LL	R	R	Y (6)

1 Trial locations in MB from CPT 2022, trial location by NDSU tested at NDSU Langdon Research Extension Center

2 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield, OptG - Optimum GLY

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

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

## ROUNDUP READY CANOLA

### Variety Description

Name	Trial Location (Year) <sup>1</sup>	Herbicide Tolerance <sup>2</sup>	Blackleg Resistance <sup>3</sup> (Group)	Clubroot Resistance <sup>3</sup> (Generation)	Pod Shatter Resistance <sup>4</sup> (Rating 1-9)
<b>Roundup Ready</b>					
45CM39	MB (2022)	RR	R	R	Y (7)
1028 RR	MB (2022)	RR	R	R	Y (5)
45H42	MB (2022)	RR	R	R	Y (5)
D3158CM	MB (2022)	RR	R	R	Y (7)

1 Trial locations in MB from CPT 2022, trial location by NDSU tested at NDSU Langdon Research Extension Center

2 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield, OptG - Optimum GLY

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

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

## TRUFLEX CANOLA

### Variety Description

Name	Trial Location (Year) <sup>1</sup>	Herbicide Tolerance <sup>2</sup>	Blackleg Resistance <sup>3</sup> (Group)	Clubroot Resistance <sup>3</sup> (Generation)	Pod Shatter Resistance <sup>4</sup> (Rating 1-9)
<b>TruFlex</b>					
BY 6211TF	MB (2022), NDSU (2023)	TF	R (C,G)	MR or S	Y
BY 6207TF	MB (2022)	TF	R (C)	R	—
CP21T3P	MB (2022)	TF	R (A,G)	—	Y (7)
CS2600 CR-T	MB (2022), NDSU (2023)	TF	R (C)	R	Y
CS3000 TF	MB (2022), NDSU (2023)	TF	R (A,G)	R	Y
CS3100 TF	MB (2022), NDSU (2023)	TF	R (A,E)	R	Y (7)
DKTF 97 CRSC	MB (2022)	TF	R (A,G)	R	Y (6.6)
DKTF 98 CR	MB (2022)	TF	R (A,C)	R	Y (3.6)
DKTF 99 SC	MB (2022)	TF	R (G)	—	Y (5.4)
P511G	NDSU (2023)	OptG	R	R	—
PV 761 TM	MB (2022)	TF	R	—	Y

1 Trial locations in MB from CPT 2022, trial location by NDSU tested at NDSU Langdon Research Extension Center

2 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield, OptG - Optimum GLY

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

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

## CLEARFIELD CANOLA

### Variety Description

Name	Trial Location (Year) <sup>1</sup>	Herbicide Tolerance <sup>2</sup>	Blackleg Resistance <sup>3</sup> (Group)	Clubroot Resistance <sup>3</sup> (Generation)	Pod Shatter Resistance <sup>4</sup> (Rating 1-9)
<b>Clearfield</b>					
BY 5125CL	MB (2022)	CL	R (C)	R	—
B2030MN	MB (2022)	CL	R	R	Y (6)
CS2500 CL	MB (2022)	CL	R (C)	—	—
CS2700 CL	MB (2022)	CL	R (A,E)	R	—
P508MCL	MB (2022)	CL	R	R	Y (7)
P607CL	MB (2022)	CL	R	R	—
PV 280 CLC	MB (2022)	CL	R	R	—

1 Trial locations in MB from CPT 2022, trial location by NDSU tested at NDSU Langdon Research Extension Center

2 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield, OptG - Optimum GLY

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

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

## CANOLA (continued)

### Yield Comparisons 2022

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

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.

Name	LONG SEASON ZONE				MID SEASON ZONE			MB AVERAGES		
	Brunkild	High Bluff	Morden	Souris	Dauphin	Hamiota	Swan River	Yield (bu/acre)	Maturity (Days)	Lodging (1-5)
<b>Liberty Link - Straight Cut (bu/acre)</b>										
B3010M	52	49	63	—	61	74	68	61	90	2.3
CS4000 LL	69	43	73	—	65	76	55	64	88	3.0
DKLL 82 SC	58	47	64	—	60	74	67	62	90	2.2
DKTFLL 21 SC	60	44	64	—	63	72	64	61	88	3.1
L340PC	64	50	84	—	66	78	76	70	89	2.3
L343PC	52	51	78	—	68	78	72	67	90	2.5
L345PC	58	55	79	—	63	82	67	67	91	3.0
L356PC	64	52	81	—	64	82	82	71	91	2.2
P505MSL	75	45	76	—	60	77	61	66	91	2.6
P506ML	67	47	72	—	63	74	63	64	89	2.7
<b>Mean</b>	62	48	73	—	63	77	68	—	—	—
<b>LSD (bu/acre)</b>	8	5	10	—	6	5	6	7	—	—
<b>CV</b>	9	7	10	—	7	5	6	—	—	—

<b>Liberty Link - Swathed (bu/acre)</b>										
B3011	46	35	68	—	57	58	46	52	89	2.4
CP21L3C	51	37	71	—	64	75	56	59	87	2.1
L340PC	62	47	75	—	64	73	68	65	88	2.1
P501L	57	45	72	—	63	74	56	59	87	2.0
<b>Mean</b>	54	41	72	—	62	70	57	—	—	—
<b>LSD (bu/acre)</b>	9	4	6	—	4	6	8	6	—	—
<b>CV</b>	10	6	6	—	4	5	8	—	—	—

<b>Roundup Ready - Straight Cut (bu/acre)</b>										
45CM39	—	41	70	65	61	75	66	63	90	3.2
D3158CM	—	41	74	59	62	71	62	62	89	2.9
<b>Mean</b>	—	41	72	62	62	73	64	—	—	—
<b>LSD (bu/acre)</b>	—	6	14	7	3	5	7	6	—	—
<b>CV</b>	—	6	8	5	2	3	5	—	—	—

<b>Roundup Ready - Swathed (bu/acre)</b>										
45CM39	—	39	70	45	57	71	61	57	88	2.8
45H42	—	42	72	48	53	68	58	57	89	2.6
1028 RR	—	37	65	57	47	60	61	55	92	2.6
<b>Mean</b>	—	39	69	50	52	66	60	—	—	—
<b>LSD (bu/acre)</b>	—	5	4	8	9	4	5	6	—	—
<b>CV</b>	—	7	3	9	10	4	5	—	—	—

Name	LONG SEASON ZONE				MID SEASON ZONE			MB AVERAGES		
	Brunkild	High Bluff	Morden	Souris	Dauphin	Hamiota	Swan River	Yield (bu/acre)	Maturity (Days)	Lodging (1-5)
<b>TruFlex - Straight Cut (bu/acre)</b>										
BY 6211TF	—	48	62	—	56	85	60	62	89	3.4
CP21T3P	—	45	61	—	58	77	60	60	91	3.6
CS2600 CR-T	—	42	61	—	58	75	53	58	86	4.2
CS3000	—	49	67	—	61	72	63	63	89	3.7
CS3100	—	29	58	—	56	73	48	53	92	2.5
DKTF 97 CRSC	—	44	61	—	58	71	64	60	88	3.4
DKTF 99 SC	—	49	67	—	56	80	60	62	89	3.8
PV 761 TM	—	47	68	—	55	74	62	61	91	3.0
<b>Mean</b>		44	63		57	76	59	—		
<b>LSD (bu/acre)</b>		3	7		6	8	5	6		
<b>CV</b>		5	8		7	7	6	—		

<b>TruFlex - Swathed (bu/acre)</b>										
BY 6207TF	48	41	70	—	33	59	47	50	97	1.8
CS2600 CR-T	56	33	64	—	39	67	60	53	86	3.8
DKTF 98 CR	51	35	60	—	42	75	55	53	86	3.2
<b>Mean</b>	52	36	65		38	67	54	—		
<b>LSD (bu/acre)</b>	9	4	6		4	9	9	7		
<b>CV</b>	10	6	5		5	8	10	—		

<b>Clearfield - Swathed (bu/acre)</b>										
BY 5125CL	50	35	57	—	47	58	60	51	91	2.7
B2030MN	62	42	55	—	45	65	63	55	90	2.7
CS2500 CL	45	34	62	—	60	54	61	53	89	2.7
CS2700 CL	54	36	59	—	39	57	59	51	91	2.3
P508MCL	56	33	64	—	65	71	60	58	88	2.9
P607CL	57	41	62	—	55	69	66	58	90	2.5
PV280 CLC	58	36	66	—	67	69	64	60	88	2.5
<b>Mean</b>	54	37	61		54	63	62	—		
<b>LSD (bu/acre)</b>	11	4	6		9	9	5	7		
<b>CV</b>	13	8	7		11	9	5	—		

## CANOLA (continued)

### NDSU Yield Comparisons 2023

North Dakota State University (NDSU) Canola Variety Trials for 2023 have been included due to absence of Manitoban trials in 2023. Site of NDSU Variety Trials was Langdon, North Dakota.

To see full NDSU reports, please visit <https://www.ag.ndsu.edu/varietytrials/canola>.

Varieties marked with an asterisk are not registered in Canada but were included in the NDSU Canola Variety Trials 2023.

Name	Herbicide Tolerance <sup>1</sup>	Days to Maturity	Plant Height (Centimetres)	Yield			2-yr. Avg. <sup>2</sup>	3-yr. Avg. <sup>3</sup>
				2020 (bu/acre)	2022 (bu/acre)	2023 (bu/acre)		
<b>Liberty Link - Swathed</b>								
CP7250LL*	LL	89	132	—	—	43	—	—
CS4000 LL	LL	85	135	55.4	54.0	48	51	53
DG 661 LCM <sup>4</sup>	LL	88	132	—	—	37	—	—
DKLL 82 SC	LL	86	117	52.8	51.6	40	46	48
DKLL 83 SC*	LL	84	122	—	53.0	39	46	—
DKTFL 21 SC	TF/LL	84	122	55.5	46.6	41	44	48
L233P	LL	84	135	59.4	52.9	48	51	53
L340PC	LL	85	130	56.9	59.6	44	52	54
L343PC	LL	86	132	—	60.5	42	51	—
L345PC	LL	87	140	52.3	62.2	41	52	52
L350PC	LL	90	147	—	60.3	44	52	—
LR354PC	TF/LL	88	145	—	55.9	40	48	—
P505MSL	LL	85	142	—	44.1	39	42	—
P612L	LL	89	147	—	—	43	—	—
<b>Trial Mean</b>		87	135	52.6	54.4	42	—	—
<b>C.V. %</b>		2.0	4.3	8.2	3.9	9.9	—	—
<b>LSD 5%</b>		2.5	8.4	5.5	2.0	6	—	—
<b>LSD 10%</b>		2.1	4.3	4.6	1.7	5	—	—

\* Varieties marked with an asterisk are not registered in Canada but were included in the NDSU Canola Variety Trials 2023.

Planting Date: May 25, 2023

Harvest Date: September 1, 2023

Previous Crop: Soybeans

Soil Type: Svea-Barnes loam

1 LL - Liberty Link, TFLL-Roundup Ready Triflex-Liberty Link stacked, LL/RR stacked

2 Average of 2022 and 2023 data

3 Average of 2020, 2022 and 2023 data

4 Registered in Canada as PV 611 LCM

Name Name	Herbicide Tolerance <sup>1</sup>	Days to Maturity	Plant Height (cm)	Yield		
				2022 (bu/acre)	2023 (bu/acre)	2-yr. Avg. <sup>2</sup>
<b>Truflex - Swathed</b>						
BY 6211TF	TF	85	130	55	42	48
CP9221TF*	TF	83	117	—	40	—
CP9978TF*	TF	86	130	45	49	47
CS2600 CR-T	TF	83	127	40	43	42
CS3000 TF	TF	83	124	49	43	46
CS3100 TF	TF	92	135	56	43	50
DG 760 TC*	TF	83	124	—	47	—
DG 781 TCM <sup>3</sup>	TF	89	135	—	42	—
DK900TF	TF	85	132	—	43	—
LR354PC	TF/LL	89	140	—	39	—
NC155 TF*	TF	89	135	49	40	45
NC471 TF	TF	89	135	39	35	37
NC527CR TF	TF	86	132	47	41	44
P511G	OptG	87	140	—	40	—
P515G*	OptG	84	127	—	43	—
StarFlex*	TF	86	132	52	45	49
TR 23127*	TF	88	135	—	45	—
<b>Trial Mean</b>		87	132	51	42	—
<b>C.V. %</b>		2	5.1	7.1	5.1	—
<b>LSD 5%</b>		3.5	4.4	6.4	5.7	—
<b>LSD 10%</b>		2.9	3.7	5.3	—	—

\* Varieties marked with an asterisk are not registered in Canada but were included in the NDSU Canola Variety Trials 2023.

Planting Date: May 25, 2023

Harvest Date: September 1, 2023

Previous Crop: Soybean

Soil Type: Svea-Barnes loam

1 RR-Roundup Ready, TF-Roundup Ready TruFlex, TFLL-Roundup Ready TruFlex-Liberty Link stacked, LL/RR stacked, OptG=Optimum GLY

2 Average of 2022 and 2023 data

3 Registered in Canada as PV 781 TCM

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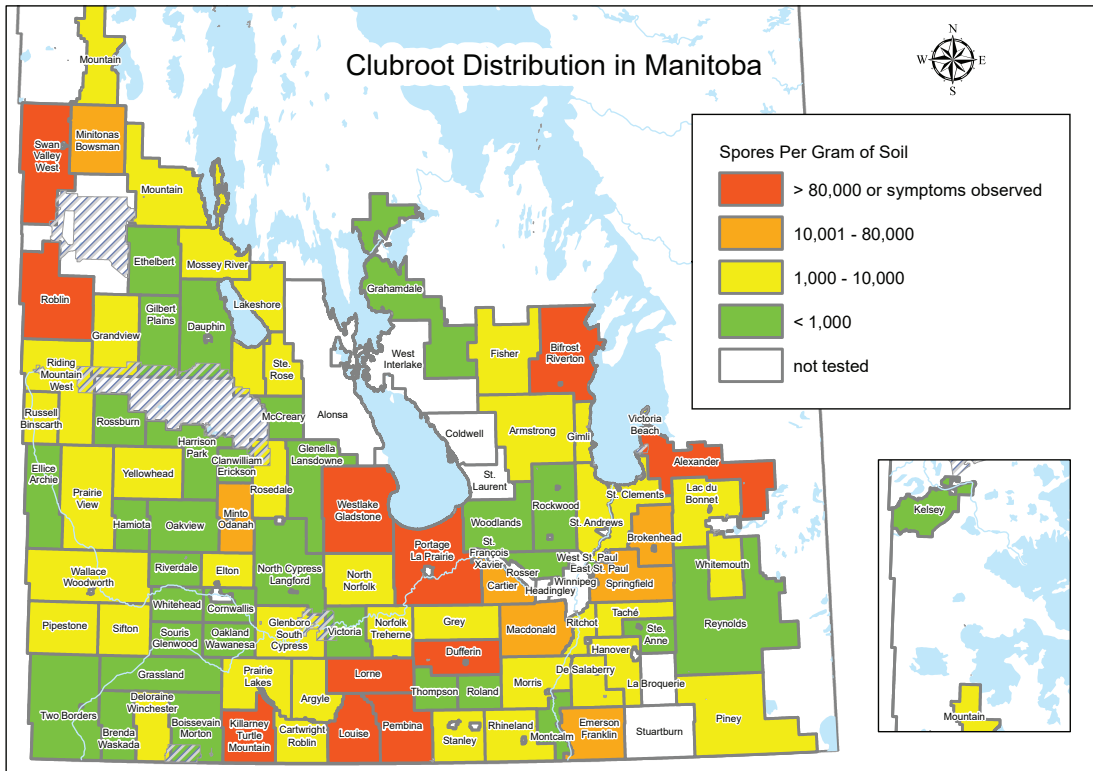
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Author: Manitoba Agriculture  
Source: MB Ag Analysis  
Date: September 27, 2022

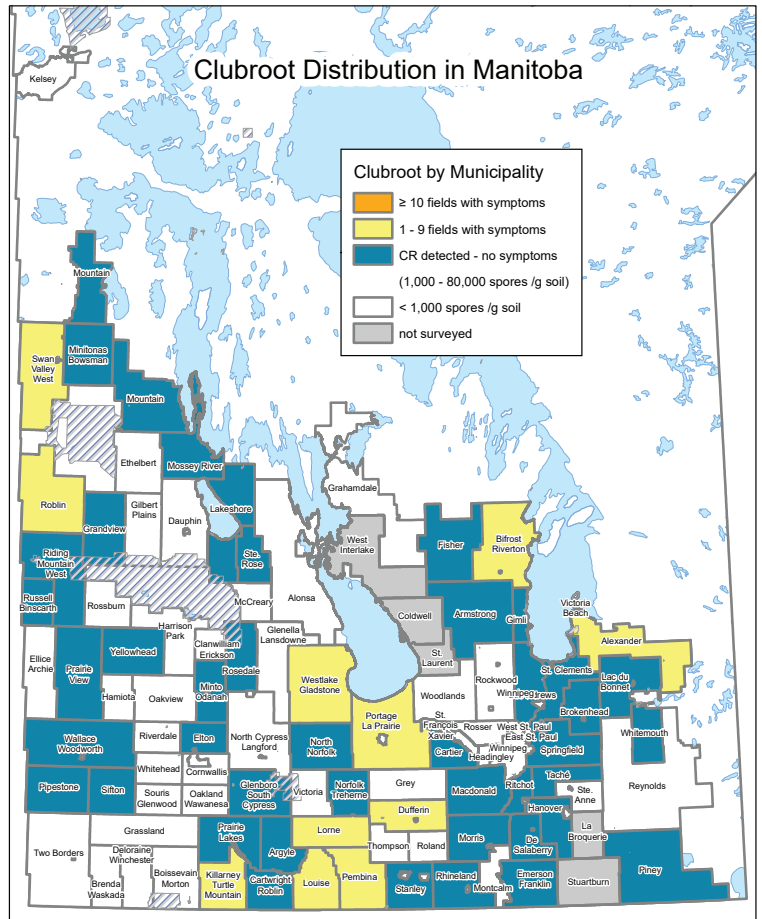


**Clubroot Spore Concentration Map (Above):**

The map shows positive clubroot findings by Rural Municipality (RM), discovered through visual field symptoms and the presence of clubroot spores in soil, through laboratory testing for DNA. Testing completed to date is still considered limited, in that only one field per township (36 sq miles) was tested to represent soil spore concentrations on the map. Currently there are 56 RMs in the low (yellow) to high (red) risk categories, where spore load is higher.

**Prairie-Harmonized Clubroot Distribution Map (Right):**

This alternative depiction of clubroot distribution situation in Manitoba uses 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.



Author: Manitoba Agriculture  
Source: MB Ag Analysis  
Date: September 27, 2022



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

# FLAX

## New for 2024

Variety	Code	Breeder	Distributor	Seed Availability
CDC Esme <sup>⓪</sup>	FP2591	Crop Development Centre	SeCan	2025

### 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 2023.

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 <sup>1</sup> :		Resistance Level:	
								Iodine Number	ALA Content	Lodging <sup>2</sup>	Fusarium Wilt
AAC Bravo <sup>⓪</sup>	30	34	1	0	brown	6.4	44.6	194.0	60.2	G	MR
AAC Bright <sup>⓪</sup>	15	36	2	0	yellow	5.6	48.8	192.1	56.2	G	MR
AAC Marvelous <sup>⓪</sup>	19	37	2	0	brown	5.8	47.1	192.1	55.8	G	MR
CDC Bethune <sup>⓪</sup>	84	34	0	0	brown	5.8	45.6	188.6	54.7	G	MR
CDC Dorado <sup>⓪</sup>	19	32	-1	-5	yellow	5.9	46.6	206.6	65.8	FG	MR
CDC Esme <sup>⓪</sup>	10	37	2	-2	brown	6.3	44.5	192.0	57.1	G	MR
CDC Glas <sup>⓪</sup>	42	36	1	3	brown	5.2	45.8	192.0	56.6	G	MR
CDC Kernen <sup>⓪</sup>	18	37	1	0	brown	6.5	45.4	191.6	57.3	VG	MR
CDC Neela <sup>⓪</sup>	24	35	1	3	brown	5.7	45.5	194.4	59.1	G	MR
CDC Plava <sup>⓪</sup>	21	35	-2	-3	brown	5.7	46.5	195.5	57.2	G	MR
CDC Rowland <sup>⓪</sup>	28	38	4	0	brown	6.8	45.2	195.1	59.2	G	MR
CDC Sorrel <sup>⓪</sup>	56	34	1	3	brown	6.4	45.1	192.7	57.8	F	MR
Hanley <sup>⓪</sup>	30	32	-2	-5	brown	5.7	44.7	197.7	58.6	VG	R
Topaz <sup>⓪</sup>	12	33	0	0	brown	5.8	45.9	188.2	54.4	G	MR
VT50 <sup>⓪</sup>	28	34	4	-5	yellow	5.1	47.1	209.4	67.6	VG	MR
WestLin 70	12	33	2	5	brown	6.4	45.8	194.5	61.9	G	MR
WestLin 71 <sup>⓪</sup>	15	34	2	-5	brown	5.6	47.5	198.1	61.2	G	MR
WestLin 72 <sup>⓪</sup>	29	34	3	-3	brown	5.4	47.0	192.8	57.0	VG	MR
<b>GRAND MEAN</b> (bu/acre)		36									
<b>LSD</b> (p<0.05)		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	2023 Yield (bu/acre)				
	Arborg	Carberry	Melita	Rosenort	Stonewall
AAC Bright <sup>⓪</sup>	15	29	42	19	—
CDC Esme <sup>⓪</sup>	18	28	45	20	43
CDC Glas <sup>⓪</sup>	17	29	48	18	46
CDC Kernen <sup>⓪</sup>	21	26	46	19	41
CDC Rowland <sup>⓪</sup>	—	29	54	21	44
<b>SITE GRAND MEAN</b> (bu/acre)	17	29	45	18	43
<b>CV %</b>	11.0	11.4	8.1	13.9	4.8
<b>LSD</b> (bu/acre)	3	—	6	4	—
<b>Sign Diff</b>	yes	no	yes	yes	no
<b>Seeding Date</b>	15-May	16-May	14-May	16-May	29-May
<b>Harvest Date</b>	26-Sep	18-Sep	17-Aug	18-Sep	20-Sep

# SOYBEANS

## NOTES FOR ALL SOYBEAN TABLES

### Maturity Notes:

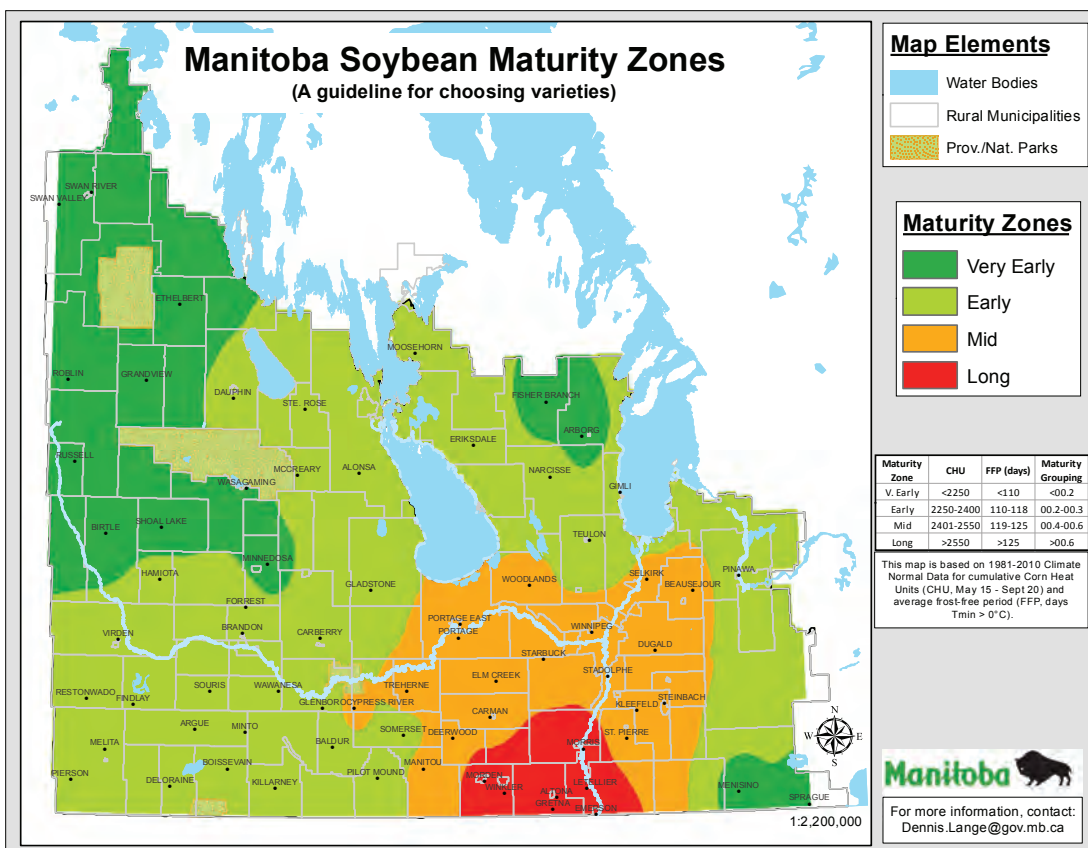
- 1 Soybean varieties have been organized into 4 maturity zones - very early, early, mid and long season areas.
- 2 Maturity grouping is a ranking of maturity provided by seed suppliers. Rankings are assigned to assist growers in selecting varieties suited for their area.
- 3 Relative days to maturity 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.



# 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 <sup>2</sup> Rating/Group	Resistance		2023 Yield % of S003-R5X			
		Check	Tested	+/- Check <sup>1</sup>		SCN <sup>3</sup>	PRR <sup>4</sup>	Dauphin	Hamiota	Souris	Swan River
Very Early Season Zone	BY Rundle XT <sup>0</sup>	88	16	-5	2.1 / ST	Yes	1c,3a	100	78	95	94
	S0009-F2X	91	16	-4	1.9 / ST	—	1c	93	88	94	95
	S0007-S1X	85	10	-4	2.3 / S	—	1c,3a	92	87	91	85
Early Season Zone	Wolf R2X <sup>0</sup>	90	10	-1	1.9 / ST	Yes	3a	96	90	97	101
	S001-D8X	91	16	-1	2.0 / ST	—	1c	96	91	97	90
	Major R2X	92	10	-1	2.0 / ST	—	1c	92	94	97	112
	B0012RX	99	16	-1	1.7 / T	—	1k,6	101	97	107	102
	Polo R2X	94	10	-1	1.8 / ST	—	—	102	97	96	96
	Gecko R2X	103	4	-1	1.8 / ST	—	1c	103	101	103	104
	NSC EXP0008CX	104	4	-1	1.8 / ST	—	1c	108	106	101	99
	S003-R5X	100	16	0	2.1 / ST	—	1c	100	100	100	100
	PV S0007X74	103	4	0	1.8 / ST	—	1c,3a	105	91	117	98
	Briggs R2X	94	10	0	2.0 / ST	Yes	1c	88	96	99	104
	PV S004XF13	95	4	0	2.3 / S	Yes	1c	93	96	96	97
	DKB0005-03	93	10	1	1.8 / ST	—	1c	108	106	112	92
	P002A42E	95	4	1	1.7 / T	—	1c	98	90	104	88
	Bomber R2X	99	4	1	2.1 / ST	—	1k	98	91	108	96
	Young R2X	98	16	1	1.7 / T	Yes	1c	106	103	115	117
	PV S0006X24	99	4	1	1.8 / ST	Yes	—	98	102	98	97
	NSC Arden RR2X	94	10	1	1.8 / ST	—	1c	102	97	105	94
	S0009-J5X	99	4	1	1.8 / ST	—	1c,3a	103	85	108	96
	PV 28s001R2X	95	10	2	1.8 / ST	Yes	1c	102	102	107	112
	PV S0009X84	106	4	2	1.8 / ST	Yes	—	105	94	103	121
	PV 25s005R2X	100	3	2	1.9 / ST	—	1c	96	96	110	—
	TH830009X	95	10	2	2.1 / ST	—	1c	97	91	111	112
	DKB0008-87	96	16	2	1.9 / ST	Yes	1c,1k	100	94	100	117
	P003A97X	99	16	2	1.8 / ST	Yes	1k	104	98	110	111
	Sunna R2X	94	15	3	1.7 / T	Yes	1c	101	99	98	—
Hart R2X	97	14	3	1.9 / ST	—	1c	103	106	106	—	
BY Deno XT	108	4	3	2.0 / ST	Yes	1c	108	111	113	99	
Mahony R2	100	9	3	2.4 / S	—	—	100	104	112	—	
DKB001-07	105	4	3	1.7 / T	Yes	1k	101	93	104	124	
<b>Experimental lines that are being tested / proposed for registration in Canada</b>											
	CP00123WPX	103	3	2	2.0 / ST	Yes	1c	100	95	113	—
Mid Season Zone	NSC EXP001CX	101	4	4	1.8 / ST	—	1c	97	96	109	102
	NSC Holland RR2X	94	8	4	1.9 / ST	—	1c	96	92	112	—
	B0041RX	101	14	4	1.7 / T	—	1k	101	104	116	115
	P005A59E	99	10	4	1.8 / ST	—	1c	103	106	103	108
	BY Hector XT	103	4	4	1.9 / ST	—	1c	96	99	107	113
	SI 00323XT	111	4	4	1.9 / ST	—	1c	109	114	110	113
	Akras R2	96	16	4	1.7 / T	—	1c	99	106	106	114
	NSC EXP003CX	120	4	5	1.8 / ST	Yes	1c	108	113	121	140
	PV 22s002 R2X	98	16	5	2.0 / ST	Yes	1k	102	98	121	113
	TH83004X	109	3	5	1.8 / ST	—	1k	107	103	116	—
	Merino R2X	98	8	5	1.7 / T	Yes	1k	100	98	106	—
	Bourke R2X	95	13	5	1.8 / ST	—	1k	101	94	105	—
	Badger R2X	108	3	5	1.7 / T	—	1k	105	107	113	—
	TH84002X	111	4	5	1.9 / ST	Yes	1c	103	102	117	127
	DKB002-32	102	10	5	1.8 / ST	Yes	1k	100	99	121	118
	NSC EXP007LX	109	3	6	1.7 / T	—	1c,3a	108	107	111	—
	PV 16s004 R2X	98	13	6	1.8 / ST	Yes	1k	98	103	116	—
	P007A68E	111	3	7	1.8 / ST	—	1c	103	110	121	—
B0073EE	106	3	7	1.7 / T	Yes	1c	105	104	107	—	
Mako R2X	101	8	8	1.9 / ST	—	1c	99	109	112	—	
TH82005 R2X	101	13	8	1.9 / ST	—	1k	104	95	119	—	
TH84005XF	106	3	9	1.7 / T	Yes	1c	106	95	117	—	
<b>Experimental lines that are being tested / proposed for registration in Canada</b>											
	CP00121WPX	104	3	3	1.9 / ST	—	—	102	96	113	—
<b>CHECK CHARACTERISTICS</b>					<b>S003-R5X (bu/ac)</b>			76	61	65	58
	S003-R5X	67	16	117	<b>CV%</b>			4.2	4.8	6.0	10.1
		bu/acre	site years	days	<b>LSD%</b>			7	8	10	17
					<b>Sign Diff.</b>			Yes	Yes	Yes	Yes
					<b>Seeding Date</b>			30-May	24-May	25-May	25-May
					<b>Harvest Date</b>			10-Oct	27-Sep	29-Sep	19-Sep

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) <sup>1</sup> +/- of Check	Hilum Colour	IDC <sup>2</sup> Rating/Group
Very Early Season Zone	AAC Halli <sup>⓪</sup>	89	19	-8	Y	1.8 / ST
	Siberia	92	19	-6	IY	2.0 / ST
Early Season Zone	Amistar	94	9	-4	Y	1.8 / ST
	Rosser	95	16	-3	IY	1.9 / ST
	Prostar <sup>⓪</sup>	94	9	-2	Y	1.9 / ST
	Howden	101	10	-2	IY	2.1 / ST
	Reynolds	93	19	0	IY	2.1 / ST
	Liska <sup>⓪</sup>	100	19	0	IY	2.3 / S
	Kebek	94	19	0	Y	1.7 / T
	Abaca <sup>⓪</sup>	113	14	0	IY	1.8 / ST
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
	CRGS 21.3	90	5	-6	Y	1.7 / ST
	OT23-01	103	5	-4	Y	1.7 / ST
	PR190209-11	100	5	-2	IY	2.4 / S
	OT22-04	103	5	-2	Y	2.0 / ST
	CRGS 18.1	104	7	-2	Y	2.0 / ST
	OT23-02	98	5	-1	Y	1.7 / T
	OT23-03	106	5	0	GR	1.7 / T
Mid Season Zone	Jador	103	6	1	Y	1.7 / ST
	Mozart	102	8	2	Y	2.0 / ST
	Koa <sup>⓪</sup>	100	3	2	IY	1.7 / T
	Dufferin	99	7	2	IY	2.0 / ST
	Aurelina <sup>⓪</sup>	105	14	3	IY	1.9 / ST
	Maya <sup>⓪</sup>	89	8	4	Y	1.7 / T
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
	OT20-06	105	5	2	Y	2.3 / S
Long Season Zone	Jago	103	16	5	Y	2.3 / S
	Hana	97	5	6	Y	2.0 / ST
	Stanley	101	11	6	IY	2.1 / ST
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
	SVX23T00S48	111	5	5	IY	1.9 / ST
	SVX24T00S64	105	5	6	IY	2.3 / ST
	PR171862Z-02	93	2	6	IY	2.3 / S
	DL21-3007	103	11	6	Y	2.1 / ST
	CRGS 16.1	99	7	7	BR	2.3 / S
	SVX24T00S65	109	5	9	Y	2.3 / S
<b>CHECK CHARACTERISTICS</b>						
Liska		50 bu/acre	19 site years	118 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	2023 Yield: % of Liska					
		Early Sites			Core Sites		
		Arborg	Beausejour	Stonewall	Carman	St. Adolphe	
Very Early Season Zone	AAC Halli☉	99	102	94	72	89	
	Siberia	108	100	60	85	92	
Early Season Zone	Amistar	102	91	89	86	93	
	Rosser	101	108	94	92	91	
	Prostar☉	93	93	88	88	94	
	Howden	110	99	95	95	87	
	Reynolds	110	92	93	89	97	
	Liska☉	100	100	100	100	100	
	Kebek	82	104	95	85	94	
	Abaca☉	116	125	115	109	108	
	CRGS 21.3	97	91	90	76	94	
	<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
	OT23-01	112	101	106	90	105	
	PR190209-11	106	103	85	100	103	
	OT22-04	106	109	101	99	99	
	CRGS 18.1	116	113	95	96	103	
	OT23-02	97	102	96	94	100	
	OT23-03	110	102	118	96	108	
Mid Season Zone	Jador	108	111	111	95	104	
	Mozart	111	105	103	106	102	
	Koa☉	—	—	—	98	108	
	Dufferin	—	—	—	104	98	
	Aurelina☉	105	111	110	107	107	
	Maya☉	—	—	—	87	96	
<b>Experimental lines that are being tested / proposed for registration in Canada</b>							
	OT20-06	—	—	—	108	118	
Long Season Zone	Jago	96	115	110	109	108	
	Hana	—	—	—	102	96	
	Stanley	—	—	—	111	100	
	<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
		SVX23T00S48	116	120	114	108	98
		SVX24T00S64	114	109	99	95	105
		PR171862Z-02	—	—	—	94	92
		DL21-3007	104	103	109	116	90
	CRGS 16.1	101	94	101	101	100	
	SVX24T00S65	116	108	110	105	107	
<b>Check Characteristics Liska (bu/acre)</b>		60	56	45	57	54	
	<b>CV %</b>	8.2	8.2	5.9	5.9	5.2	
	<b>LSD%</b>	14	14	10	9	8	
	<b>Sign Diff</b>	Yes	Yes	Yes	Yes	Yes	
	<b>Seeding Date</b>	15-May	23-May	22-May	24-May	23-May	
	<b>Harvest Date</b>	27-Sep	16-Oct	27-Sep	10-Oct	27-Sep	

# WESTERN MANITOBA CONVENTIONAL SOYBEANS

## Comments:

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

## Variety Descriptions

Maturity Zone	Variety	Yield % Check	Site Years Tested	Hilum Colour	Maturity (days) <sup>1</sup> + / - of Check	IDC <sup>2</sup> Rating/Group	2023 Yield % OAC Liska	
							Melita	Swan River
Very Early Season Zone	Ambella	85	8	BR	-11	2.1 / ST	80	69
Early Season Zone	AAC Halli <sup>®</sup>	96	12	Y	-4	1.8 / ST	78	98
	Siberia	95	10	IY	-4	2.0 / ST	73	103
Mid Season Zone	Abaca	107	2	IY	0	1.8 / ST	97	112
	Liska	100	8	IY	0	2.3 / S	100	100
	Rosser	100	2	IY	0	1.9 / ST	92	104
	Pamela	91	4	IY	1	1.7 / T	76	97
<b>Experimental lines that are being tested / proposed for registration in Canada</b>								
	SZDT4244	93	2	IY	-3	1.7 / T	80	101
	PR190209-11	97	2	IY	0	2.3 / S	87	103
<b>CHECK CHARACTERISTICS</b>						<b>Liska (bu/acre)</b>	34	58
	Liska (bu/acre)	46	8		118	<b>CV%</b>	6.3	8.3
		bu/acre	site years		days	<b>LSD%</b>	9	14
						<b>Sign Diff</b>	Yes	Yes
						<b>Seeding Date</b>	15-May	25-May
						<b>Harvest Date</b>	03-Sep	19-Sep

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

## PLANT FOR SUCCESS

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- › AAC Starbuck
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- › AAC Hodge
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- › CDC Arborg
- › CS Camden
- › CDC Endure
- › AAC Douglas
- › CDC Anson

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- › CDC Austenson
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#### FLAX

- › CDC Glas

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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 <sup>1</sup>	Yield %	Site Years	Maturity (days) <sup>2</sup>	Hilum Colour	IDC <sup>3</sup> Rating/Group	Resistance	
			Check	Tested	+/- of Check			SCN <sup>4</sup>	PRR <sup>5</sup>
Very Early Season Zone	Major R2X	R2X	79	5	-8	BR	2.0 / ST	—	1c
	S001-D8X	R2X	82	21	-7	IY	2.0 / ST	—	1c
	S003-R5X	R2X	89	7	-6	IY	2.1 / ST	—	1c
	Bomber R2X	R2X	83	5	-5	BL	2.1 / ST	—	1k
	P003A97X	R2X	90	20	-5	GR	1.8 / ST	Yes	1k
	PV S0009X84	R2X	90	5	-5	BL	1.8 / ST	Yes	—
Early Season Zone	PV S004XF13	R2X	88	5	-4	BL	2.3 / S	Yes	1c
	BY Hector XT	R2X	84	5	-3	BL	1.9 / ST	—	1c
	P002A42E	E3	84	5	-3	Y	1.7 / T	—	1c
	B0041RX	R2X	93	15	-3	GR	1.7 / T	—	1k
	PV 25s005R2X	R2X	90	2	-3	IY	1.9 / ST	—	1c
	TH84002X	R2X	90	5	-2	BL	1.9 / ST	Yes	1c
	Hart R2X	R2X	90	12	-2	BR	1.9 / ST	—	1c
	NSC Arden RR2X	R2X	88	9	-2	BL	1.8 / ST	—	1c
	Akras R2	R2Y	95	32	-2	BL	1.7 / T	—	1c
	BY Deno XT	R2X	90	5	-2	BL	2.0 / ST	Yes	1c
	NSC Holland RR2X	R2X	92	15	-2	BR	1.9 / ST	—	1c
	Young R2X	R2X	89	15	-2	BL	1.7 / T	Yes	1c
	S005-C9X	R2X	89	21	-2	BL	2.4 / S	—	1c
	PV 28s001R2X	R2X	85	9	-2	BL	1.8 / ST	Yes	1c
<b>Experimental lines that are being tested / proposed for registration in Canada</b>									
	CP00121WPX	WPX	84	9	-3	BL	1.9 / ST	—	—
	CP00123WPX	WPX	92	5	-2	BR	2.0 / ST	Yes	1c
Mid Season Zone	Briggs R2X	R2X	81	5	-1	BL	2.0 / ST	Yes	1c
	DKB002-32	R2X	92	18	-1	BR	1.9 / ST	Yes	1k
	P005A59E	E3	91	9	0	BR	1.8 / ST	—	1c
	P006A37X	R2X	100	32	0	BR	1.8 / ST	—	1c
	Mahony R2	R2Y	91	16	0	BL	2.4 / S	—	—
	Bourke R2X	R2X	94	29	0	BL	1.8 / ST	—	1k
	Sunna R2X	R2X	92	32	0	GR	1.7 / T	Yes	1c
	BY Rainier XT	R2X	92	6	1	BL	1.7 / T	—	1c
	Mako R2X	R2X	100	6	1	GR	1.9 / ST	—	1c
	Merino R2X	R2X	87	6	1	BL	1.7 / T	Yes	1k
	PV 22s002 R2X	R2X	90	15	1	BL	2.0 / ST	Yes	1k
	PV 16s004 R2X	R2X	92	29	1	BL	1.8 / ST	Yes	1k
	SI 00323XT	R2X	101	5	1	BL	1.9 / ST	—	1c
	BY Robson XT	R2X	105	2	2	BL	2.1 / ST	—	1c
	SI 00623XT	R2X	98	5	2	BL	2.1 / ST	—	1c
	Mao R2X	R2X	99	7	2	BL	1.7 / T	Yes	1c
TH83004X	R2X	99	5	2	BL	1.8 / ST	—	1k	
NSC EXP007LX	R2X	99	2	2	BR	1.7 / T	—	1c/3a	
<b>Experimental lines that are being tested / proposed for registration in Canada</b>									
	SV193025-10-01	R2X	81	5	-1	BL	2.1 / ST	—	—
	CP005WPRX	WPX	94	9	2	BL	1.9 / ST	—	1k,1c, 3a



(continued) EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

Maturity Zone	Variety	Type <sup>1</sup>	Yield %	Site Years	Maturity (days) <sup>2</sup>	Hilum Colour	IDC <sup>3</sup> Rating/Group	Resistance		
			Check	Tested	+/- of Check			SCN <sup>4</sup>	PRR <sup>5</sup>	
Long Season Zone	Badger R2X	R2X	95	6	3	BL	1.7 / T	—	1k	
	S007-A2XS	R2X	98	15	3	GR	1.8 / ST	—	—	
	B0073EE	E3	93	5	3	IB	1.7 / T	Yes	1c	
	PV 26s007R2X	R2X	93	3	4	BL	1.9 / ST	Yes	1c	
	P00A49X	R2X	98	19	4	BR	1.7 / T	Yes	1c	
	DKB006-80	R2X	101	3	4	BL	1.9 / ST	Yes	1c	
	Barker R2X	R2X	95	18	4	BL	1.7 / T	Yes	1k	
	P007A68E	E3	102	5	4	BF	1.8 / ST	—	1c	
	TH82005 R2X	R2X	98	15	4	BR	1.9 / ST	—	1k	
	DKB008-48	R2X	100	9	4	BL	1.8 / ST	Yes	1c,1k	
	Kudo R2X	R2X	97	13	5	BL	1.8 / ST	—	—	
	ND21008GT20@	RR1	83	2	5	BL	1.7 / T	—	—	
	TH81007 R2XN	R2X	100	7	5	BR	1.7 / T	Yes	1c	
	TH82008XF	R2XF	88	3	5	BL	2.1 / ST	Yes	1c	
	Triquet R2X	R2X	96	2	6	BI	1.7 / T	Yes	1k	
	Rico R2X	R2X	95	2	6	GR	2.3 / S	—	1c	
	SI 00723XFN	R2X	97	5	8	BL	1.7 / T	Yes	1c	
	NSC ENGage E3	E3	82	2	11	BL	1.7 / T	—	1c	
	<b>Experimental lines that are being tested / proposed for registration in Canada</b>									
		CP00523WPX	WPX	99	2	3	BL	2.1 / ST	—	1k/1c
	CP00722WPX	WPX	93	3	4	BL	1.9 / ST	—	1k,1c, 3a	
	EXP008-23XF	R2XF	93	2	6	Y	1.9 / ST	—	1c, 3a	
	SV194090-03	R2X	78	5	6	BL	2.5 / S	—	—	
<b>CHECK CHARACTERISTICS</b>										
	P006A37X		51	32	115					
			bu/acre	site years	days					

- 1 R2X -Xtend technology (dicamba and glyphosate), R2Y-Roundup-Ready 2 technology (glyphosate only), RR1 - Roundup Ready 1 technology (glyphosate), E3 Enlist (glyphosate,2-4D,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 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

# THE BEST ENLIST E3™ SOYBEANS AVAILABLE ON LOCAL RETAIL SHELVES.



# EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

## Yield Comparisons

Maturity Zone	Variety	2023 Yield: % of P006A37X				
		Arborg	Early Sites Beausejour	Stonewall	Core Sites Carman St. Adolphe	
Very Early Season Zone	Major R2X	79	80	78	83	74
	S001-D8X	83	86	87	94	83
	S003-R5X	82	92	83	90	89
	Bomber R2X	88	88	80	78	82
	P003A97X	91	78	87	93	93
	PV S0009X84	95	91	87	90	87
Early Season Zone	PV S004XF13	91	97	81	83	90
	BY Hector XT	84	84	81	79	90
	P002A42E	103	89	80	66	79
	B0041RX	93	78	90	105	89
	PV 25s005R2X	—	—	—	82	100
	TH84002X	89	86	89	89	99
	Hart R2X	92	90	92	82	91
	NSC Arden RR2X	91	91	85	90	91
	Akras R2	93	107	100	94	102
	BY Deno XT	86	93	90	94	86
	NSC Holland RR2X	89	93	92	81	88
	Young R2X	95	80	85	85	98
	S005-C9X	91	84	82	93	91
	PV 28s001R2X	86	91	84	82	86
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
	CP00121WPX	91	83	93	83	92
	CP00123WPX	97	90	89	92	88
Mid Season Zone	Briggs R2X	89	68	81	90	75
	DKB002-32	104	89	84	87	100
	P005A59E	97	97	89	75	90
	P006A37X	100	100	100	100	100
	Mahony R2	83	83	92	89	88
	Bourke R2X	94	93	88	87	96
	Sunna R2X	89	80	84	84	96
	BY Rainier XT	91	95	88	101	85
	Mako R2X	111	109	93	96	92
	Merino R2X	86	79	84	94	89
	PV 22s002R2X	86	89	85	93	90
	PV 16s004 R2X	—	—	—	92	96
	SI 00323XT	99	109	97	100	101
	BY Robson XT	—	—	—	98	114
	SI 00623XT	98	101	90	100	101
	Mao R2X	—	—	—	93	97
	TH83004X	98	104	102	95	99
NSC EXP007LX	—	—	—	108	89	
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
	SV193025-10-01	86	73	75	82	86
	CP005WPRX	101	103	91	92	97
Long Season Zone	Badger R2X	98	94	93	87	101
	S007-A2XS	—	—	—	102	93
	B0073EE	91	97	96	89	91
	PV 26s007R2X	—	—	—	90	100
	P00A49X	—	—	—	99	107
	DKB006-80	—	—	—	105	98
Barker R2X	—	—	—	94	98	

(continued) EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

Maturity Zone	Variety	2023 Yield: % of P006A37X					
		Arborg	Early Sites Beausejour	Stonewall	Core Sites Carman St. Adolphe		
Long Season Zone	P007A68E	104	110	95	102	100	
	TH82005 R2X	106	98	99	100	108	
	DKB008-48	—	—	—	98	96	
	Kudo R2X	96	107	94	100	96	
	ND21008GT20	—	—	—	84	81	
	TH81007 R2XN	—	—	—	97	100	
	TH82008XF	—	—	—	90	79	
	Triquet R2X	—	—	—	90	104	
	Rico R2X	—	—	—	100	89	
	SI 00723XFN	101	97	97	91	101	
	NSC ENGage E3	—	—	—	91	72	
	<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
		CP00523WPX	—	—	—	101	97
		CP00722WPX	—	—	—	89	92
	EXP008-23XF	—	—	—	93	93	
	SV194090-03	75	88	76	78	72	
<b>Check Characteristics</b>	<b>P006A37X (bu/acre)</b>	67	60	59	66	57	
	<b>CV %</b>	8	8	8	9	5	
	<b>LSD%</b>	12	11	12	13	8	
	<b>Sign Diff</b>	Yes	Yes	Yes	Yes	Yes	
	<b>Seeding Date</b>	15-May	23-May	22-May	24-May	23-May	
	<b>Harvest Date</b>	27-Sep	16-Oct	27-Sep	10-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

Company	Hybrid	Genetic Traits <sup>1</sup>	Site Years	Yield % Check	Maturity <sup>2</sup> (days to R9)	Height (inches)	2023 Seed Sizing (%) <sup>3</sup>		
							>22/64	>20/64	<20/64
Nuseed	6946 DMR	DM	37	100	0	0	5	19	76
Nuseed	Panther DMR	DM	46	100	0	-2	28	24	49
<b>Experimental lines tested/proposed for registration in Canada</b>									
MCA	EX 200239	ExSun	7	96	1	2	60	16	25
MCA	EX 20306	ExSun	7	101	-1	-2	59	19	22
MCA	EX 359239	ExSun	7	99	2	4	66	17	17
Nuseed	NDKM15700	CL	7	100	-1	-4	40	29	32
Nuseed	NDKM16761	CL	7	95	1	-1	37	28	35
Nuseed	NJKM65823	CL	7	92	4	-1	26	33	42
<b>CHECK CHARACTERISTICS</b>									
	6946 DMR		37 site years	2905 lb/acre	120 days	62 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

Hybrid	Carberry						Elm Creek					
	Yield (lb/acre)	Maturity <sup>1</sup> (days to R9)	2023 Seed Sizing (%) <sup>2</sup>			Test Wt <sup>3</sup> (lb/bu)	Yield (lb/acre)	Maturity <sup>1</sup> (days to R9)	2023 Seed Sizing (%) <sup>2</sup>			Test Wt <sup>3</sup> (lb/bu)
			>22/64	>20/64	<20/64				>22/64	>20/64	<20/64	
6946 DMR	2110	124	—	—	—	—	1447	110	5	19	76	23.8
Panther DMR	2193	120	—	—	—	—	1608	108	13	27	60	21.0
<b>Experimental lines being tested/proposed for registration in Canada</b>												
EX 359239	2521	123	—	—	—	—	1642	114	43	32	25	23.1
EX 20306	2668	123	—	—	—	—	1633	110	34	33	33	23.2
EX 200239	2011	121	—	—	—	—	1645	114	32	29	39	22.7
NJKM65823	2295	121	—	—	—	—	1404	118	8	32	60	24.5
NDKM15700	2200	120	—	—	—	—	1479	109	13	36	51	23.7
NDKM16761	2800	120	—	—	—	—	1424	110	8	32	60	21.7
<b>Site Average</b>	2350	121					1535	112				23.0
<b>CV%</b>	7.51	0.92					5.49	1.43				5.7
<b>Sign Diff</b>	Yes	Yes					Yes	Yes				No
<b>LSD (0.05)</b>	309	2					148	3				—
<b>Planting Date</b>	May 10						June 2					
<b>Desiccation Date</b>	—						—					
<b>Harvest Date</b>	October 10						October 20					

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.

Refer to the MCA website at [www.mbcropalliance.ca](http://www.mbcropalliance.ca) for more details.

## 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.

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

Percent (%) oil content was not available for all sites at press time, visit [www.mbcropalliance.ca](http://www.mbcropalliance.ca) for more detail.

### Variety Descriptions

Company	Variety	Herbicide/Disease Tolerance <sup>1</sup>	Site Years	Yield (% check)	Maturity <sup>2</sup> (+/- check)	Height (inches)	% Oil	Oil Type <sup>3</sup>	Test Weight <sup>4</sup>
WinField United   CROPLAN	CP432E	ExSun	12	108	0	-1	44.3	NS	29.2
WinField United   CROPLAN	CP455E	ExSun	12	120	4	0	44.8	HO	28.5
Nuseed	N4H161 CL	CL/ExSun	10	102	-8	-11	44.3	HO	30.2
Nuseed	N4H302 E	ExSun	16	96	-1	0	44.8	HO	28.1
Nuseed	N4HM354	CL	19	114	-2	-6	47.5	NS	32.7
Pioneer Hi-Bred	P63HE501	ExSun	12	107	0	1	43.2	HO	29.0
Pioneer Hi-Bred	P63HE60	ExSun / DM	22	99	-2	-2	45.4	HO	30.9
Pioneer Hi-Bred	P63ME80	ExSun / DM	25	100	0	0	47.9	NS	30.5
Nuseed	Talon	ExSun/DM	25	103	-2	-2	44.1	NS	27.8
<b>Experimental lines tested/proposed for registration in Canada</b>									
RAGT SEMENCES	AC2301	CL Plus	3	108	5	3	44.2	HO	27.5
Nuseed	N4H202 E	ExSun	3	103	5	-5	47.2	NS	27.8
Nuseed	N4L215 E	ExSun	3	106	1	-6	45.9	NS	27.7
NorthStar Genetics	NSC-SF83	—	3	105	2	2	44.5	NS	31.3
NorthStar Genetics	NSC-SF92	—	3	133	7	6	44.0	NS	30.3
Pioneer Hi-Bred	P63HE920	ExSun	6	107	6	0	43.5	HO	30.9
<b>CHECK CHARACTERISTICS</b>									
	P63ME80		25 site years	2805 lb/acre	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.

Rossendale						Beausejour					
Yield (lb/acre)	Maturity <sup>1</sup> (days to R9)	2023 Seed Sizing (%) <sup>2</sup>			Test Wt <sup>3</sup> (lb/bu)	Yield (lb/acre)	Maturity <sup>1</sup> (days to R9)	2023 Seed Sizing (%) <sup>2</sup>			Test Wt <sup>3</sup> (lb/bu)
		>22/64	>20/64	<20/64				>22/64	>20/64	<20/64	
—	—	—	—	—	—	2698	117	—	—	—	—
2105	103	42	20	38	19.0	3151	117	—	—	—	—
2150	106	89	2	8	19.2	3078	118	—	—	—	—
2154	104	83	5	11	18.8	3118	114	—	—	—	—
2183	106	87	3	10	18.7	3208	117	—	—	—	—
2220	116	43	34	23	20.9	2677	119	—	—	—	—
1970	103	67	21	13	16.8	2937	113	—	—	—	—
2030	104	66	23	10	19.3	2268	114	—	—	—	—
2116	106				18.9	2892	116				
14.90	1.89				8.53	7.00	1.46				
No	Yes				No	Yes	Yes				
—	4				—	355	3				
May 31						May 16					
—						September 22					
October 19						October 11					

Site Comparisons

Hybrid	Carberry					Elm Creek					Beausejour				
	Yield (lb/acre)	Moisture (%)	Maturity <sup>1</sup> (days to R9)	Test Wt <sup>2</sup> (lb/bu)	Oil (%)	Yield (lb/acre)	Moisture (%)	Maturity <sup>1</sup> (days to R9)	Test Wt <sup>2</sup> (lb/bu)	Oil (%)	Yield (lb/acre)	Moisture (%)	Maturity <sup>1</sup> (days to R9)	Test Wt <sup>2</sup> (lb/bu)	Oil (%)
CP432E	1250	15.0	142	—	42.4	1760	7.4	110	29.1	44.3	2989	13.0	117	31.6	48.0
CP455E	2199	14.9	134	—	42.8	1627	7.3	115	28.5	42.0	3182	14.3	124	31.3	46.7
N4H161 CL	1288	15.7	134	—	42.1	1547	7.1	103	31.8	45.0	3566	15.9	111	33.7	44.6
N4H302 E	1501	13.9	135	—	42.2	1394	7.2	114	28.5	44.8	2907	13.9	123	27.9	46.4
N4HM354	1404	13.0	135	—	44.6	1823	7.4	112	29.9	46.4	3288	15.9	123	31.1	48.3
P63HE501	1379	12.8	133	—	40.8	1947	7.4	112	28.9	44.1	3047	13.4	118	30.1	44.9
P63HE60	1336	15.0	136	—	42.9	1354	7.3	114	28.7	44.9	2941	13.8	120	31.7	47.0
P63ME80	1300	13.7	121	—	44.3	1617	7.3	118	28.9	45.1	2619	13.9	123	29.5	50.4
Talon	1321	13.6	138	—	41.9	1672	7.6	109	26.7	43.1	3273	12.7	117	28.3	46.6
<b>Experimental lines being tested/proposed for registration in Canada</b>															
AC2301	1373	12.9	136	—	43.0	1762	7.2	118	27.7	42.8	2828	13.2	123	27.3	46.8
N4H202 E	1004	13.2	143	—	45.7	1510	6.8	112	28.3	46.7	3182	12.4	121	27.2	49.2
N4L215 E	1764	11.9	131	—	44.0	1445	7.5	110	27.8	44.6	2675	12.6	123	27.7	49.0
NSC-SF83	1306	15.3	129	—	41.8	1911	7.2	114	31.0	47.7	2622	14.9	125	31.6	44.1
NSC-SF92	1452	15.6	136	—	42.1	1876	7.9	120	29.0	44.7	4046	16.2	126	31.5	45.1
P63HE920	2123	14.2	141	—	41.1	1527	7.8	116	31.9	44.0	2693	14.9	124	34.1	46.6
<b>Site Average</b>	1467	14.0	135			1651	7.4	113	29.3		3010	14	122		
<b>CV%</b>	10.1	6.5	5.6			9.2	7.7	1.1	3.4		10.9	7.5	0.9		
<b>Sign Diff</b>	Yes	Yes	No			Yes	No	Yes	Yes		Yes	Yes	Yes		
<b>LSD (0.05)</b>	249	1.5	—			253	—	2	1.7		556	1.8	2		
<b>Planting Date</b>	10-May					02-Jun					16-May				
<b>Desiccation Date</b>	—					—					22-Sep				
<b>Harvest Date</b>	10-Oct					20-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](http://www.mbcropalliance.ca) for more details.

# Distributor Contacts for Listed Varieties in Seed Manitoba 2024

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

1028 RR	BREVANT seeds
233P	BASF   InVigor
45CM39	Pioneer brand Seed
45H42	Pioneer brand Seed
45M35	Pioneer brand Seed
B2030MN	BREVANT seeds
B3010M	BREVANT seeds
B3011	BREVANT seeds
BY 5125CL	BrettYoung
BY 6207TF	BrettYoung
BY 6211TF	BrettYoung
CP21L3C	WinField United   CROPLAN
CP21T3P	WinField United   CROPLAN
CS2500 CL	CANTERRA SEEDS
CS2600 CR-T	CANTERRA SEEDS
CS2700 CL	CANTERRA SEEDS
CS3000	CANTERRA SEEDS
CS3100	CANTERRA SEEDS
CS4000 LL	CANTERRA SEEDS
D3158CM	BREVANT seeds
PV 661 LCM	Nutrien Ag Solutions   Proven Seed
PV 781 TCM	Nutrien Ag Solutions   Proven Seed
DK900TF	DEKALB
DKLL 82 SC	DEKALB
DKTF 97 CRSC	DEKALB
DKTF 98 CR	DEKALB
DKTF 99 SC	DEKALB
DKTFLL 21 SC	DEKALB
DKTFLL21SC	DEKALB
L233P	BASF   InVigor
L340PC	BASF   InVigor
L343PC	BASF   InVigor
L345PC	BASF   InVigor
L350PC	BASF   InVigor
L356PC	BASF   InVigor
LR344PC	BASF   InVigor
LR354PC	BASF   InVigor
NC471 TF	Nuseed
NC527CR TF	Nuseed
P501L	Pioneer brand Seed
P505MSL	Pioneer brand Seed
P506ML	Pioneer brand Seed
P508MCL	Pioneer brand Seed
P511G	Pioneer brand Seed
P607CL	Pioneer brand Seed
P612L	Pioneer brand Seed
PV 280 CLC	Nutrien Ag Solutions   Proven Seed
PV 761 TM	Nutrien Ag Solutions   Proven Seed
V25-3T	Cargill
V25-5T	Cargill

## FLAX

AAC Bravo☺	FP Genetics
AAC Bright☺	SeCan
AAC Marvelous☺	FP Genetics
AAC Prairie Sunshine☺	SeCan
AC Emerson	SeCan
CDC Bethune☺	SeCan
CDC Buryu☺	SeCan
CDC Dorado☺	SeedNet
CDC Esmé☺	SeCan
CDC Glas☺	SeCan
CDC Kernén☺	SeCan
CDC Neela☺	CANTERRA SEEDS
CDC Plava☺	SeCan
CDC Rowland☺	SeCan
CDC Sanctuary☺	SeCan
CDC Sorrel ☺	SeCan
Hanley☺	SeCan
Lightning☺	CANTERRA SEEDS

## FLAX

NuLin VT 50☺	Nutrien Ag Solutions   Proven Seed
Prairie Blue☺	SeCan
Prairie Grande☺	SeCan
Prairie Sapphire☺	Alliance Seed
Prairie Thunder☺	CANTERRA SEEDS
Taurus☺	FP Genetics
Topaz☺	Alliance Seed
Vimy	SeCan
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

## CONVENTIONAL SOYBEANS

AAC Halli☺	Interlake.org Inc.
Abaca ☺	SAATBAU LINZ eGen
Ambella ☺	SAATBAU LINZ eGen
Amistar	Semican Inc.
Aurelina ☺	SAATBAU LINZ eGen
Baffin	SG CERESCO
Fjord	SG CERESCO
Hana	Prograin Inc
Jador	Semican Inc.
Jago	SG CERESCO
Kebek	SG CERESCO
Koa☺	Prograin Inc
Liska ☺	Prograin Inc
Maxus	Prograin Inc
Maya	Prograin Inc
Mozart	Semican Inc.
OAC Prudence	SeCan
Prostar ☺	Semican Inc.
Reynolds	Sevita International
Siberia	Prograin Inc
Stanley	Sevita International

## ROUNDUP READY SOYBEANS

Akras R2	BrettYoung
Amirani R2	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
Badger R2X	Maizex seeds
Barker R2X	SeCan
Bomber R2X	Maizex seeds
Bourke R2X	SeCan
Briggs R2X	SeCan
BY Logan XT	BrettYoung
BY Morro XT	BrettYoung
BY Rainier XT	BrettYoung
BY Rundle ☺	BrettYoung
CP000521X	CROPLAN
CP000620RX	CROPLAN
CP00120RX	CROPLAN
CP00123X	CROPLAN
CP00419RX	CROPLAN
CP00419RX	CROPLAN
CP00519RX	CROPLAN
CP00621X	CROPLAN
CP00722X	CROPLAN
Devo R2X	Prograin Inc
Dextro R2X	Prograin Inc
DKB0003-24	DEKALB
DKB0005-03	DEKALB

## ROUNDUP READY SOYBEANS

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
Elmo E3	Prograin Inc
Evo E3	Prograin Inc
Fisher R2X	SeCan
Foote R2	SeCan
Fresco R2X	Prograin Inc
Fresco R2X	Prograin Inc
Gecko R2X	Prograin Inc
Hart R2X	SeCan
Jaguar R2X	Maizex seeds
Kudo R2X	Prograin Inc
Mahony R2	SeCan
Major R2X	Secan
Mako R2X	Prograin Inc
Mao R2X	Prograin Inc
Merino R2X	Prograin Inc
Merritt R2X	SeCan
Mikado R2X	Prograin Inc
NSC Arden RR2X	Northstar Genetics Canada
NSC Cartier RR2X	Northstar Genetics Canada
NSC Dauphin RR2X	Northstar Genetics Canada
NSC ENGage E3	Northstar Genetics Canada
NSC EXP0007X	Northstar Genetics Canada
NSC EXP0008CX	Northstar Genetics Canada
NSC EXP0008CX	Northstar Genetics Canada
NSC EXP001CX	Northstar Genetics Canada
NSC EXP001CX	Northstar Genetics Canada
NSC EXP001LX	Northstar Genetics Canada
NSC EXP001PX	Northstar Genetics Canada
NSC EXP006PX	Northstar Genetics Canada
NSC EXP007LX	Northstar Genetics Canada
NSC EXP007PX	Northstar Genetics Canada
NSC Holland RR2X	Northstar Genetics Canada
NSC Sperling RR2Y	Northstar Genetics Canada
NSC Winkler RR2X	Northstar Genetics Canada
P0007A73X	Pioneer brand Seed
P001A48X	Pioneer brand Seed
P003A97X	Pioneer brand Seed
P005A27X	Pioneer brand Seed
P005A59E	Pioneer brand Seed
P005A83X	Pioneer brand Seed
P006A37X	Pioneer brand Seed
P007A08X	Pioneer brand Seed
P00A49X	Pioneer brand Seed
P00A75X	Pioneer brand Seed
Pikas R2X	Maizex seeds
Polo R2X	Prograin Inc
PV 10s005 RR2	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
RX Acron	BrettYoung
S0007-S1X	Syngenta Canada
S0009-F2X	Syngenta Canada
S0009-M2	Syngenta Canada

## ROUNDUP READY SOYBEANS

S001-D8X	Syngenta Canada
S003-R5X	Syngenta Canada
S003-R5X	Syngenta Canada
S003-Z4X	Syngenta Canada
S005-C9X	Syngenta Canada
S006-K3X	Syngenta Canada
S006-M4X	Syngenta Canada
S007-A2XS	Syngenta Canada
S007-A2XS	Syngenta Canada
S007-Y4	Syngenta Canada
SI 000919XT	Sevita International
SI 000919XT	Sevita International
SI 001XTN	Sevita International
SI 00221XTN	Sevita International
SI 00319XT	Sevita International
SI 00321XT	Sevita International
SI 00421XT	Sevita International
SI 00620XTN	Sevita International
SI 00620XTN	Sevita International
SI 007XTN	Sevita International
Sunna R2X	BrettYoung
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
TH82006 R2X	Thunder Seeds Canada
TH82008XF	Thunder Seeds Canada
TH830009X	Thunder Seeds Canada
TH89004 R2X	Thunder Seeds Canada
TH89009 R2XN	Thunder Seeds Canada
Torro R2	Prograin Inc
Triquet R2X	SeCan
Wolf R2X ♂	Maizex seeds
Young R2X	SeCan

## 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.....	1-800-265-7403
CANTERRA SEEDS.....	1-877-744-4321
Cargill Ltd. ....	1-888-855-8558
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 brand Seed .....	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
Sevita International .....	1-613-989-3000
SG CERESCO .....	1-450-454-2727
Semican Inc. ....	1-819-362-8823
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.

<b>CDC DORADO</b> ☺		
Holland; Kubinec, Anastasia .....	204-526-2776	C
<b>CDC ESME</b> ☺		
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	S F
<b>CDC GLAS</b> ☉		
Pilot Mound; Smith Family Seeds.....	204-825-2212	C *
<b>CDC ROWLAND</b> ☺		
Carman; Menold, Thomas.....	204-750-2682	R C
Cromer; Bartel Seeds.....	204-851-1390	C
Crystal City; Buchanan, Kenneth, Jayden, & Dean .....	204-825-7151	C
Somerset; Sierens Seed Service.....	204-744-2883	C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	F C
Wawanesa; Ellis Seeds; Ellis, Warren, Simon & Amanda.....	204-824-2290	C

## SOYBEANS

<b>AAC HALLI</b> ☺		
Arborg; Harreg Farms; Johnson, Reginald, James & Tim .....	204-642-2570	R
<b>AKRAS R2</b>		
Altona; Sawatzky, John.....	204-324-4018	R
<b>BADGER R2X</b>		
Rosenort; Friesen, Rick.....	204-746-8325	S F R
<b>BARKER R2X</b>		
Portage La Prairie; Askin, Raymond & Jeffrey.....	204-856-3483	R
<b>BOMBER R2X</b>		
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	S F
<b>BOURKE R2X</b>		
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C
Brandon; Wheat City Seeds Ltd.....	204-727-3337	S F C
Carman; RJP Seed Ltd.....	204-745-3304	S R
Oak Bank; Willowdale Seeds; Wyrich, Daniel.....	204-801-0659	C
Portage La Prairie; Askin, Raymond & Jeffrey.....	204-856-3483	C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	C
Warren; Riddell Seed Co.....	204-227-5679	F C
<b>BRIGGS R2X</b>		
Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra .....	204-638-7800	R
Ste. Rose Du Lac; PNR Farms Ltd.....	204-447-2118	R
<b>BY RUNDLE XT</b> ☺		
Reston; Avondale Seed Farm Ltd.....	204-877-3813	R
<b>CP000521X</b>		
Rosenort; Friesen, Rick.....	204-746-8325	S F R
<b>CP000620RX</b>		
Rosenort; Friesen, Rick.....	204-746-8325	S F R
<b>CP00120RX</b>		
Rosenort; Friesen, Rick.....	204-746-8325	S F

## SOYBEANS

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<b>CP00123X</b>		
Rosenort; Friesen, Rick.....	204-746-8325	S F
<b>CP00419RX</b>		
Rosenort; Friesen, Rick.....	204-746-8325	S
<b>CP00519RX</b>		
Rosenort; Friesen, Rick.....	204-746-8325	R
<b>CP00523X</b>		
Rosenort; Friesen, Rick.....	204-746-8325	S F
<b>CP00621X</b>		
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S F
<b>CP00722X</b>		
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S F
<b>HART R2X</b>		
Arborg; Timchishen Seeds Farms.....	204-641-1288	S F R
Darlingford; Morrow, Graham.....	204-362-8986	R
Warren; Riddell Seed Co.....	204-227-5679	S R
Wawanesa; Ellis Seeds; Ellis, Warren, Simon & Amanda.....	204-824-2290	R
<b>MAHONY R2</b>		
Kenton; Stevenson, Richard D.O. & Douglas .....	204-573-3054	C
<b>MAJOR R2X</b>		
Ste. Rose Du Lac; PNR Farms Ltd.....	204-447-2118	C
<b>NSC ARDEN RR2X</b>		
Darlingford; Morrow, Graham.....	204-362-8986	C
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S
Plumas; Court Seeds Ltd.....	204-386-2354	C
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C
Somerset; Sierens Seed Service.....	204-744-2883	C
St. Claude; R-Way Ag. Ltd.....	204-379-2582	C
<b>NSC CARTIER RR2X</b>		
Domain; Manness Seed; Manness, Ronald & Patricia & Adeena .....	204-736-2622	S F R
Rosenort; Friesen, Rick.....	204-746-8325	R
<b>NSC DAUPHIN RR2X</b>		
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S
Russell; Keating Seed Farms Inc.....	204-773-3854	C
St. Claude; R-Way Ag. Ltd.....	204-379-2582	C
<b>NSC ENGAGE E3</b>		
Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena .....	204-736-2622	S F
<b>NSC EXP0008CX</b>		
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	S F
Russell; Keating Seed Farms Inc.....	204-773-3854	F
<b>NSC EXP001CX</b>		
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	S F
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S F



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### NSC EXP003CX

Rosenort; Friesen, Rick.....204-746-8325 S

### NSC EXP007LX

Rosenort; Friesen, Rick.....204-746-8325 S R

### NSC HOLLAND RR2X

Cooks Creek; Saramaga, Robert & Andrew .....204-771-0951 C  
 Darlingford; Morrow, Graham.....204-362-8986 C  
 Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena  
 .....204-736-2622 C  
 Grosse Isle; Rutherford Farms Ltd.....204-467-5613 S F C  
 Homewood; Agassiz Seed Farm.....204-745-6655 C  
 Reston; Avondale Seed Farm Ltd.....204-877-3813 C  
 Rosenort; Friesen Seeds Ltd. ....204-746-8325 S F R  
 St. Claude; R-Way Ag. Ltd.....204-379-2582 C

### NSC SPERLING RR2Y

Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena  
 .....204-736-2622 R  
 Grosse Isle; Rutherford Farms Ltd.....204-467-5613 R  
 Rosenort; Friesen, Rick.....204-746-8325 R

### NSC WINKLER RR2X

Cooks Creek; Saramaga, Robert & Andrew .....204-771-0951 R  
 Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena  
 .....204-736-2622 R  
 Rosenort; Friesen Seeds Ltd. ....204-746-8325 R C

### S001-D8X

Reinland; Ens Farms Ltd.....204-325-4658 R

### SUNNA R2X

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

### TRIQUET R2X

Carman; Menold Seed Farms; Menold, Ulrich, Tyler & Lucas  
 .....204-750-1095 R

### WOLF R2X☉

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

### YOUNG R2X

Arborg; Timchishen Seeds Farms.....204-641-1288 S F R C  
 Boissevain; Armstrong Seeds Ltd.....204-534-2566 C  
 Brandon; Wheat City Seeds Ltd. ....204-727-3337 C  
 Dauphin; Fisher Seeds Ltd.....204-622-8800 S R C  
 Kenton; Stevenson, Richard D.O. & Douglas .....204-573-3054 S R  
 Mac Gregor; Hulme Agra Products Inc.; Hulme, Lorne & Jared  
 .....204-871-4666 R  
 Miniota; Walker, Alan Glen .....204-567-3647 C  
 Oak Bank; Willowdale Seeds; Wyrich, Daniel.....204-801-0659 C  
 Reston; Avondale Seed Farm Ltd.....204-877-3813 C  
 Rivers; Redsper Enterprises.....204-328-5346 C  
 Warren; Riddell Seed Co.....204-227-5679 S F  
 Wawanesa; Ellis Seeds; Ellis, Warren, Simon & Amanda.204-824-2290 R