



2019 Variety Selection & Growers Source Guide

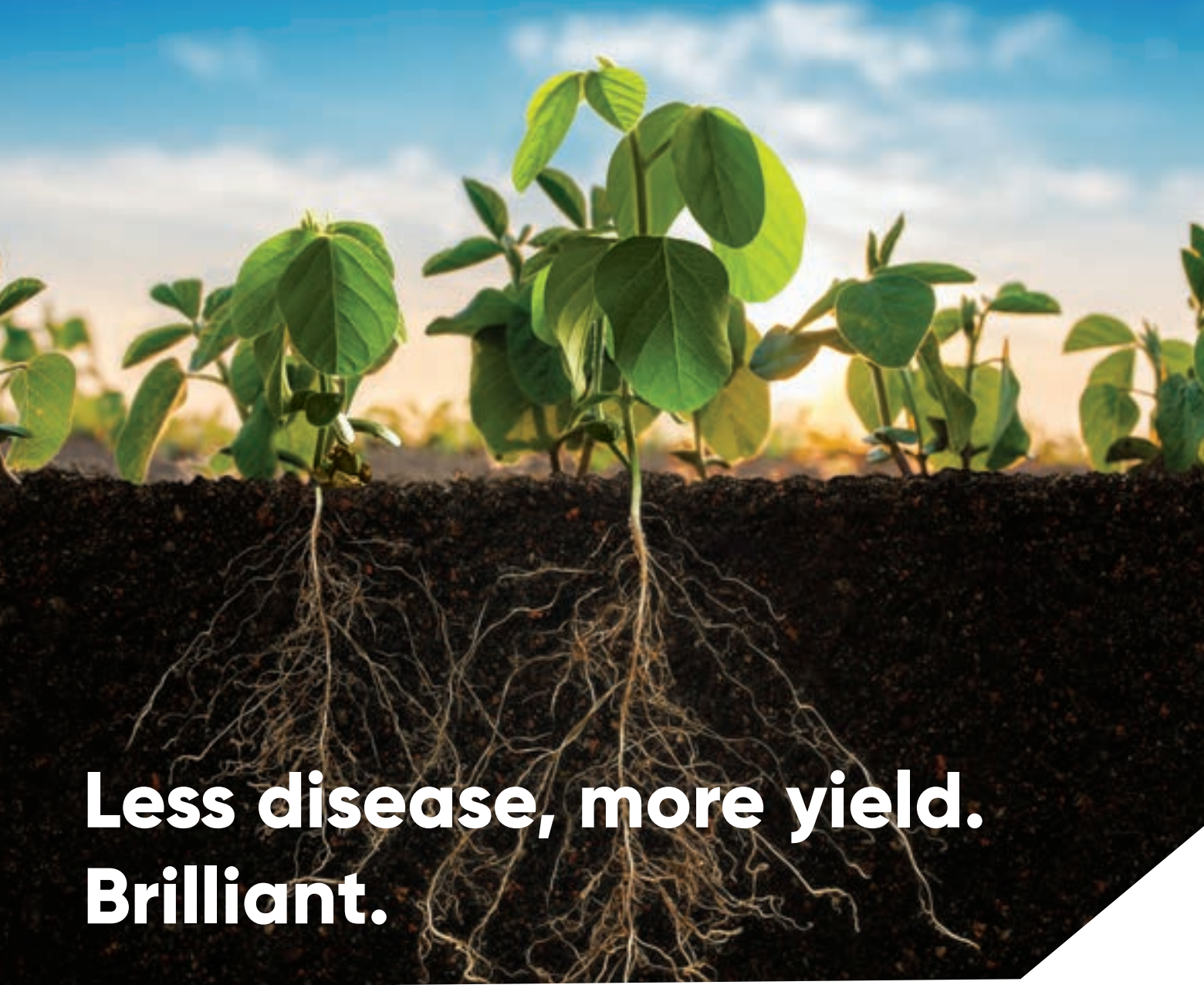
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OILSEED CROPS

PULSE CROPS

SPECIAL CROPS

FORAGE CROPS

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Crops are sorted alphabetically by town and grower
(or company) name within variety within crop
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Manitoba Co-OPERATOR

Supplement to the Manitoba Co-operator
November 29, 2018

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Minister's Message



Manitoba Agriculture is proud to collaborate with the Manitoba Seed Growers Association and the Manitoba Co-operator to produce *Seed Manitoba 2019*. This guide has been an invaluable tool to crop producers, as it helps them make decisions on seed varieties with information relevant to all growing regions within Manitoba.

Seed Manitoba is an important resource to have leading up to spring seeding. This publication is highly anticipated by producers, as it saves them time and effort by giving clear comparisons of seed variety performance and listings of where they can find seed.

As one of Manitoba's primary industries, agriculture is of great importance to our economy. Crop producers play a vital role in making agricultural products one of the province's largest exports. Beyond export, crop production contributes additional value and jobs through our province's \$4 billion food processing industry and \$1 billion agri-products industry.

This guide is made possible by the collaborative efforts of producers, commodity groups, crop research contractors, Manitoba Crop Variety Evaluation Team and Manitoba Agriculture staff.

I wish all producers a successful 2019 growing season.

Honourable Ralph Eichler
Minister of Agriculture

President's Message



It is my pleasure, on behalf of the Manitoba Seed Growers' Association, to partner with Manitoba Agriculture, the MCVET team, the Manitoba Co-operator, Commodity groups and Industry, to provide Manitoba's producers with the 2019 edition of *Seed Manitoba*.

Regardless of the stressful growing season in many regions of the province, MCVET and the various MCVET contractors and partners were able to collect representative, third party, peer reviewed data for new varieties which will be available to producers for the 2019 growing season.

The first publication of what is now called *Seed Manitoba* was in 1992. It was titled "Manitoba Pedigreed Seed Directory and Crop Variety Recommendations", and it was 64 pages. Now, in our 27th year of publication, Manitoba producers continue to have at their fingertips, vital information for their cropping plans and strategies. The longevity of this publication is a testament to the importance given to the guide by Manitoba's Government, Producers, Commodity groups and Industry.

The Board of the Manitoba Seed Growers' appreciate the support from all the groups which come together collaboratively to contribute to this guide, and wish Manitoba's producers a successful 2019 growing season.

Andrew Ayre
President,
Manitoba Seed Growers' Association

Thank you to MCVET Sponsors and Supporters in 2018

MCVET gratefully recognizes the support and financial contribution of the following organizations:

Manitoba Agriculture
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Manitoba Seed Growers' Association
SeCan
Manitoba Pulse & Soybean Growers
Manitoba Wheat and Barley Growers Association
CANTERRA SEEDS
Winter Cereals Manitoba Inc.
Alliance Seed

MCVET would also like to express its gratitude to:

Locally organized variety trials at Stonewall (SICTC), Portage la Prairie (CROP) and Beausejour (ASCIA).

Companies and individuals who performed seed quality analysis.

Bayer Crop Science for providing seed treatment.

SGS BioVision Seed Labs for conducting protein analysis on wheat and barley.

MCVET greatly appreciates the efforts of our site contractors:

Ag-Quest Inc.
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Westman Agricultural Diversification Organization

WELCOME TO SEED MANITOBA 2019

By Anastasia Kubinec

Seed Manitoba editor, Manitoba Agriculture

Welcome to *Seed Manitoba 2019*, the Variety Selection and Growers Source Guide for Manitoba producers. This guide is compliments of Manitoba Agriculture, Manitoba Seed Growers' Association and the Manitoba Co-operator.

Seed Manitoba is a collaborative effort between industry, government and producers to provide third party variety performance information. Without the sponsors, supporters, site contractors and commodity groups that donate data, this publication would not be possible.

WHERE DOES THE DATA COME FROM?

Seed Manitoba known to be an independent resource for variety performance comparisons across Manitoba. Data based on small replicated plots, in trials grown across loca-

tions and years in Manitoba. The main data that is collected is yield, other agronomic information the "Variety Description" tables compiled from registration data submitted at the time the variety was registered. Information on some ratings, such as disease can change in the "Variety Description" table as commercial performance and reaction to disease races are better understood.

A unique feature that *Seed Manitoba* provides, is individual variety performance by location for yield and other quality attributes (dependent on crop type). This comparison is a great way to see more 'local' performance as compared to the overall summary based on based years. Caution need to be used though – a single year, single location data can be deceiving! Looking back into past years guides or utilizing the Variety Selection Tool at www.seedmb.ca can provide many years of data on a number of varieties near your farming operation. This can provide better insight into how the hot/new variety does versus your current variety.

TESTING LOCATIONS AND SITE YEARS

Testing locations are chosen by the Manitoba Crop Variety Evaluation Team (MCVET) as they representative of the production area. For crops with Manitoba-wide adaptation, like Barley, Fall Rye, Oat, Spring and Winter Wheat, they are planted at all sites. Other crops like Flax, Field Peas, Lentils and Durum Wheat are only planted in areas they are typically grown. Other crops like canola, corn, dry beans, soybeans and sunflowers are coordinated through their crop commodity associations and planted where they deem appropriate.

To visually have a better understanding of where the trials and locations are, see '2018 Locations of Variety Evaluation Trials' map and table on pages 14 and 15.

As in the past few years, any questions on *Seed Manitoba* can be directed to me at anastasia.kubinec@gov.mb.ca. ■





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DO YOU THINK YOU COULD HAVE CLUBROOT?

Where to look – and what to do

By Anastasia Kubinec
and Dane Froese

Manitoba Agriculture

Before you answer NO, do you:

- Grow canola?
- Live in an RM where the frequency of canola is over 40% of the acres (see Figure 1)?
- Live in an RM that with high concentrations of or known clubroot infected plants have been found (see page 55)?

Each of these questions, if you are answering yes, increases the risk that you have or the risk of developing clubroot in the future.

Clubroot is not noticeable in canola crop until spore concentrations are high enough to cause the “galls” (see Figure 1). If galls are forming, future spore concentrations are building rapidly inside the galls, to be released back into the soil when galls degrade in the fall (see Figures 3/4); increasing soil concentrations each time canola is grown. The more times you grow canola in an infected field, the faster the concentration can build up. This is why growing canola and farming in RMs where canola is over 40% of total arable acres are big risk factors – they indicate susceptible crop and lots of it.

In order to develop clubroot, you need the pathogen to be present. If you farm in an RM that is already known to have clubroot (see page 55), chances are the pest is nearby. Overall, increases in canola acres on your farm, as well as high overall canola acres within a 50 km radius, your fields are at risk for clubroot development.

SO, DO YOU THINK YOU MIGHT HAVE CLUBROOT?

Active field surveillance and soil sampling for clubroot spores across Manitoba since 2009 has shown a gradual increase in finds and the severity of the infection. In 2011,



Figure 1: Clubroot spore concentration (presented as spores/gram soil) and corresponding root infection with gall symptoms. This is common response to resting spore concentration but there can be variation. If conditions are good for clubroot development (low pH, good soil moisture, compacted soils) it is possible to get large galls on canola with a lower concentration than 1,000,000 spores/gram soil. SOURCE: MARY RUTH MCDONALD, UNIVERSITY OF GUELPH, 2018



Figure 3 and 4: Clubroot galls on susceptible canola variety in July 2018 (L) and degrading galls in same field in September 2018 (R). SOURCE: DANE FROESE, MANITOBA AGRICULTURE, 2018

two fields were found to have very low levels of clubroot spores. In 2013, two new fields were found to have plants with symptoms. As of end of mid-October 2018, clubroot spores were found in 294 fields and positive visual symptoms in 33 fields, where 15 fields identified for the first time in 2018 and had no previous indication of clubroot.

HOW TO DETERMINE IF YOU HAVE CLUBROOT BEFORE GALLS APPEAR

Soil testing is a valuable tool to identify if you have clubroot in your field. This will tell you yes or no to the presence of spores in the field. Some labs are also able to provide the concentration per gram of soil. Soil sampling does have its limitations, as you take more soil to include in a composite sample, you may be diluting the concentration. Another limitation is where to sample - recommendations are at the field approach, along any water runs in fields or near where water pools in fields. Clubroot confirmations in Manitoba, have found infected plants in the middle of the field, along water runs, but typically not at the field approach, so where you are sampling, may not be the right spot. A number of labs offer soil testing services to test for clubroot, including Plant Surveillance Initiative (PSI) Lab in Winnipeg, Discovery Seed Lab in Saskatoon (SK), BioVision Seed Labs in Edmonton (AB), 20/20 Seed Labs in Nisku (AB) and A&L Laboratories in London (ON).

If you don't want to use the soil testing option; you are in the RM or adjacent to the RMs with known clubroot; and/or in the RMs with high concentrations of annual canola, assume you are at risk. Start using proactive management practices to reduce your risk of building concentrations and seeing galls in your own field.

More **CLUBROOT** on page 10 »

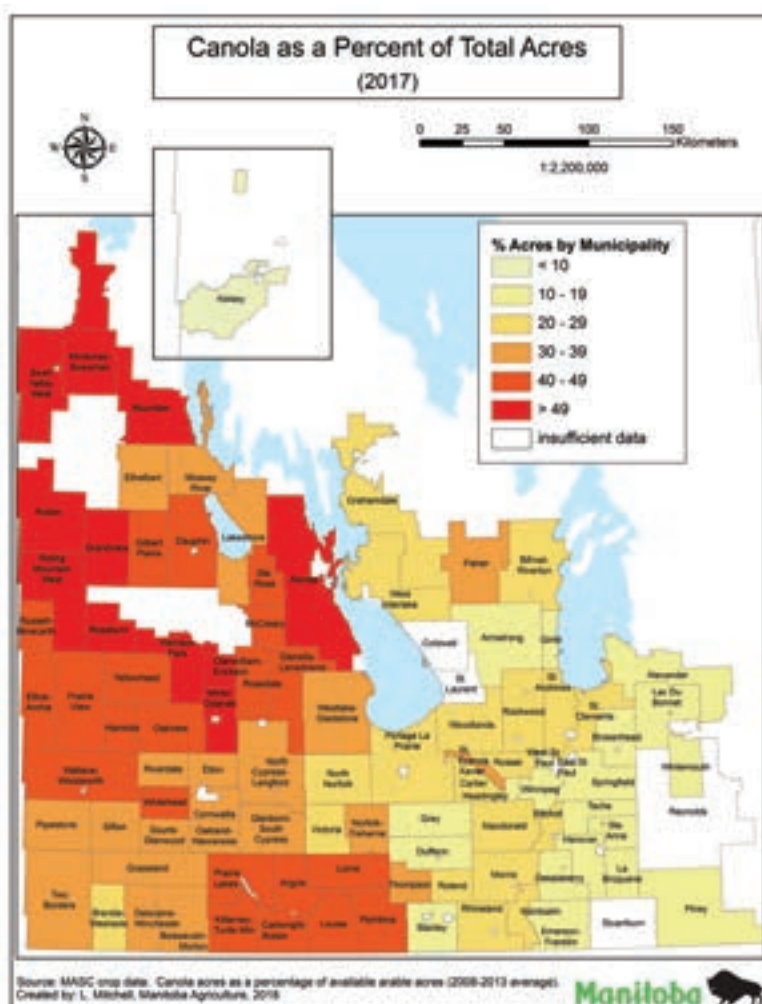


Figure 2: Canola % Total Acres in RM. SOURCE: MANITOBA AGRICULTURE, 2018

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RISK REDUCTION

- Increase the years between canola crops (a 2-3 year break between canola crops at minimum)
- Control canola volunteers and host weeds in non-canola years (see Figures 5/6)
- Scout your fields regularly and pull out plants that are dying/stressed or injured to identify cause
- Test soil at field approaches, by field water runs/low spots, in areas of prematurely dying canola
- Grow a clubroot resistant variety
- Clean your own equipment when moving from field to field – remove as much soil as possible
- Before used or custom equipment comes on your field, request it be cleaned

Clubroot is no longer an Alberta problem, it's our problem too. We grow a lot of canola, the evidence shows that clubroot can develop here and more producers are finding it. Plan now on how to reduce your risk of development and/or management to maintain canola as a viable crop in your rotation.

Acknowledgments: The Canola Disease Surveillance program has been a collaborative effort since 2009 between Manitoba Agriculture and Agriculture and Agri-Food Canada. Special thanks to Canola Council of Canada staff who have assisted in in-field sampling to compliment the program.

If you think you have clubroot, please call Manitoba Agriculture at 204-745-5660 to submit a sample or have a trained surveyor to help identify what is occurring in your field. Producer and field locations are kept confidential.



Figure 5 and 6: Canola volunteers are still hosts for clubroot development. Canola volunteers growing in fall 2018 after the 2018 canola crop was harvested (L) and after one year after 2017 canola crop harvested (R). SOURCE: ANASTASIA KUBINEC, MANITOBA AGRICULTURE, 2018

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InVigor® L140P	- First hybrid to feature Pod Shatter Reduction trait - Medium height - Available in limited quantities for 2019	100% of checks (InVigor 5440 and Pioneer® 45H29) in 2011-2012 WCC/RRC trials	All growing zones	Strong	Pod Shatter Reduction Blackleg Resistance LibertyLink system
NEW InVigor® L234PC	- Pod Shatter Reduction - NEW 2nd generation multi-genetic clubroot resistant** traits - Excellent yield performance - Early maturity - Medium height	104% of checks (InVigor 5440 and Pioneer® 45H29) in 2017 WCC/RRC trials	All growing zones	Strong	Pod Shatter Reduction 2 nd Generation Multi-Genetic Clubroot Resistance Blackleg Resistance LibertyLink system
InVigor® L255PC	- Pod Shatter Reduction & Clubroot Resistance** - Top yield performer - Harvest flexibility - Medium height	109% of checks (InVigor 5440 and Pioneer® 45H29) in 2016 WCC/RRC trials	Mid- to long-growing zones	Very Strong	Pod Shatter Reduction Clubroot Resistance Blackleg Resistance LibertyLink system
InVigor® L241C	- Clubroot Resistance** - Winner of the 2016 Canola 100 at 81.43 bu./ac. - Strong yield performance - Mid maturity - Medium height	102% of checks (InVigor 5440 and Pioneer® 45H29) in 2012-2013 WCC/RRC trials	All growing zones	Very Strong	Clubroot Resistance Blackleg Resistance LibertyLink system
InVigor® L135C	- Clubroot Resistance** - Solid performance - Early maturity - Medium height - Available in Alberta only	138% of checks (Pioneer® 46A65 and Q2) in 2010 WCC/RRC trials	All growing zones	Strong	Clubroot Resistance Blackleg Resistance LibertyLink system
InVigor® L252	#1 hybrid canola grown in Canada in 2016 & 2017*** - Winner of the 2017 Canola Performance Trials (CPTs) for the 5th straight year (average of all growing zones) - Top yield performance - Medium height	110% of checks (InVigor 5440 and Pioneer® 45H29) in 2011-2012 WCC/RRC trials	All growing zones	Strong to Very Strong	Blackleg Resistance LibertyLink system
InVigor® L230	- Strong yield performance - Early maturing - Medium height	103.9% of checks (InVigor 5440 and Pioneer® 45H29) in 2014-2015 WCC/RRC trials	All growing zones	Strong to Very Strong	Blackleg Resistance LibertyLink system

*2018 BPI (Business Planning Information) Data

**To predominant clubroot pathotypes identified in Canada at the time of product registration. NEW InVigor L234PC has the same resistance profile as InVigor L255PC, InVigor L135C and InVigor L241C, plus it contains 2nd generation multi-genetic clubroot resistance to additional clubroot pathotypes to help combat evolving clubroot pathotypes

***2016 & 2017 BPI Data

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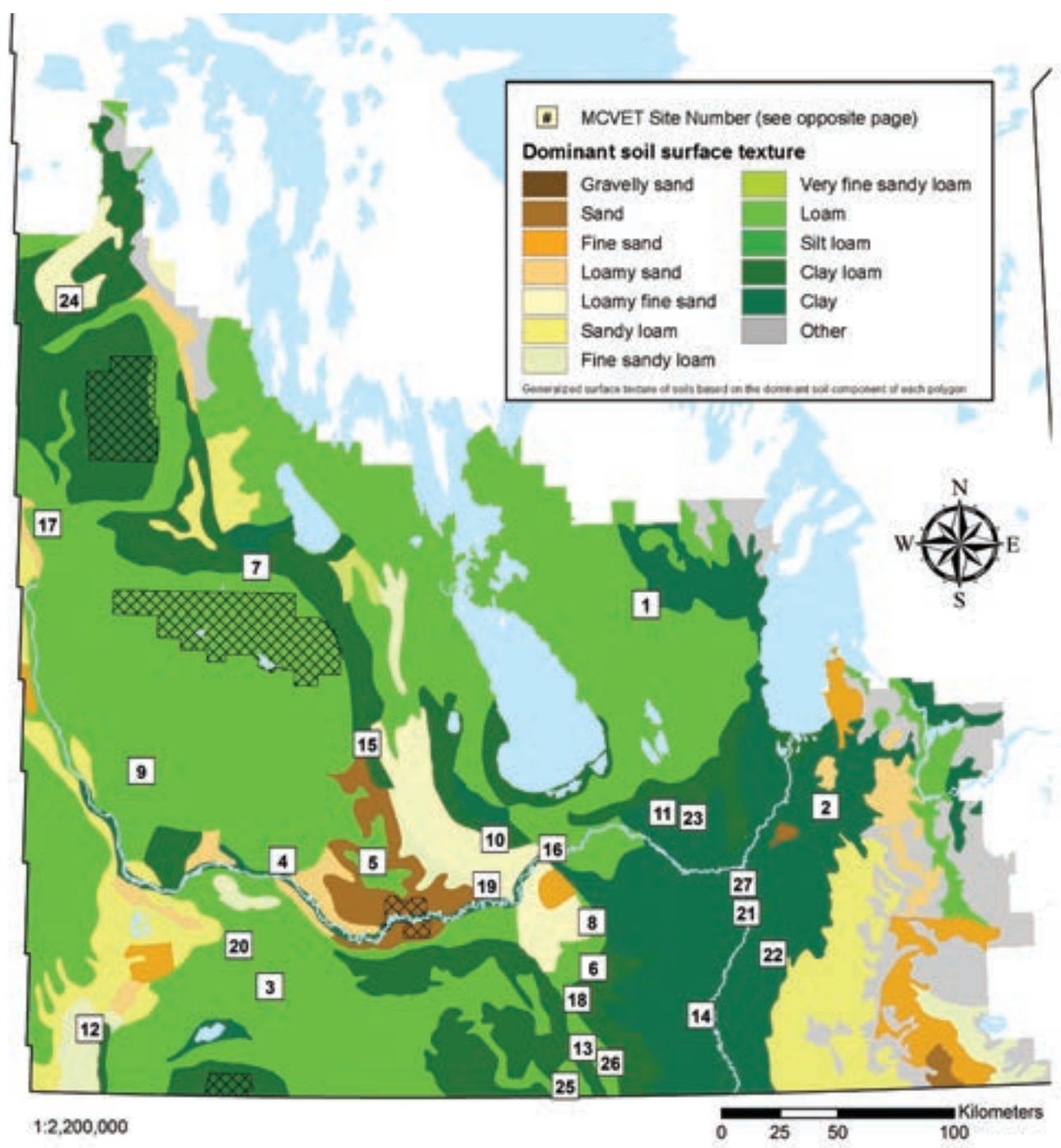
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2018 LOCATIONS OF VARIETY EVALUATION TRIALS



Site Location	Contractor(s)	Soil Texture	Internal Soil Drainage	Precipitation ¹		Growing Degree Days ¹		Weather Station Used
				Actual (mm)	% of Normal	Actual	% of Normal	
1 Arborg	PESAI	clay	imperfect	249	77%	1664	114%	Arborg
2 Beausejour	PESAI	clay loam	imperfect	362	104%	1702	105%	Beausejour
3 Boissevain	Ag-Quest Inc.	loamy	imperfect	283	83%	1703	107%	Minto
4 Brandon	Agriculture & Agri-Food Canada	clay loam	well	204	65%	1689	111%	Brandon
5 Carberry	CMCDC	clay loam	well	301	96%	1700	112%	Carberry (EC)
6 Carman	University of Manitoba, Ag-Quest Inc.	loam	imperfect	253	77%	1846	111%	Carman
7 Dauphin	Ag-Quest Inc.	silty clay loam	imperfect	298	87%	1623	108%	Dauphin
8 Elm Creek	Ag-Quest Inc.	coarse loam	imperfect	228	70%	1922	115%	Elm Creek
9 Hamiota	Ag-Quest Inc.	clay loam	well	301	108%	1571	104%	Hamiota
10 MacGregor	Ag-Quest Inc.	coarse loam	imperfect	280	86%	1878	111%	Portage la Prairie
11 Marquette	ICMS	clay loam	imperfect	280	85%	1723	105%	Woodlands
12 Melita	WADO	loamy	imperfect	243	83%	1777	106%	Melita
13 Morden	Agriculture & Agri-Food Canada DuPont Pioneer	clay loam	well	232	70%	1947	110%	Morden
14 Morris	Ag-Quest Inc.	heavy clay	imperfect	244	75%	1867	110%	Morris
15 Neepawa	Syngenta	clay loam	well	266	88%	1721	103%	Mountainside
16 Portage la Prairie	CROP/ICMS Agriculture & Agri-Food Canada	sandy loam	imperfect	280	86%	1878	111%	Portage la Prairie
17 Roblin	PCDF	loamy	well	418	122%	1458	101%	Roblin
18 Rosebank	Nutrien Ag Solutions	loam	imperfect	232	70%	1947	110%	Morden
19 Rossendale	ICMS	sandy loam	imperfect	208	65%	1757	106%	Treherne
20 Souris	Syngenta	clay loam	imperfect	292	93%	1695	111%	Souris
21 St. Adolphe	Murphy et al. Inc.	heavy clay	imperfect	275	80%	1840	111%	St. Adolphe
22 St. Pierre	Ag-Quest Inc.	heavy clay	imperfect	239	75%	1821	112%	St. Pierre
23 Stonewall	Murphy et al. Inc. Solum Valley Biosciences Inc.	clay loam	imperfect	380	115%	1738	106%	Stonewall
24 Swan River	New Era Ag Technologies	clay loam	imperfect	324	95%	1515	103%	Swan River
25 Thornhill	ICMS/ DL Seeds	loamy	well	298	90%	1620	91%	Windy Gates
26 Winkler	AAFC	sandy loam	well	240	72%	1897	107%	Winkler
27 Winnipeg	University of Manitoba	Dry Bean	imperfect	357	104%	1825	110%	Winnipeg

¹ Weather data is reported from May 1st to October 15th and reflects the percentage of the normal accumulations as calculated using the long-term average for the past 30 years.

Seeding and harvest dates for individual trials can be found at the bottom of the Yield Comparisons Tables located in the respective Crop Sections.

As per MCVET, MCC, NSAC and MPGA protocol's, all sites are fertilized at levels to achieve maximum crop performance. Weed control is applied as required to achieve a relatively weed free area. Insecticides are applied as required, while fungicides are not applied to any trials.

Any questions related to the sites found in Seed Manitoba 2019 can be directed to the individuals listed below:

For Canola please contact Dane Froese at (204) 750-2840 or e-mail dane.froese@gov.mb.ca

For Grain Corn, please contact Daryl Rex at (204) 745-6776 or e-mail daryl.rex@canadasunflower.com

For Soybean and Dry Bean, please contact Dennis Lange at (204) 324-4383 or e-mail dennis.lange@gov.mb.ca

For all remaining crop types, please contact Chami Amarasinghe at (204) 823-2584 or e-mail chami.amarasinghe@gov.mb.ca

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Variety Description Key

The grey box at the bottom of each table displays the Grand Mean for both Yield (bu/acre) and Protein (%) and the corresponding LSD (Least Significant difference) value ($p < 0.05$). Varieties must differ by the LSD value ($p < 0.05$) to be considered significantly different from one another.

Except for the long term average yield and protein data, variety description information was obtained from the variety registration trials. For Relative Maturity, please keep in mind the actual number of days to reach maturity will depend on local climactic conditions and to some extent on management practices.

Long term yield data is from MCVET plots harvested from 2000 to 2018, while protein is from 2002 to 2018. Actual protein will depend on seasonal growing conditions and fertility levels.

Resistance Level Disease ratings: R = Resistant; MR = Moderately Resistant; I = Intermediate; MS = Moderately Susceptible; S = Susceptible; - = not available

Resistance Level Lodging and Sprouting ratings: VG = Very Good; G = Good; F = Fair, P = Poor; VP = Very Poor; = not available.

Site Years Tested is the cumulative number of locations over the years that a variety has been tested. The more site years the more dependable the data.

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

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

Key to 2018 Yield and Protein Tables

Yields derived over 2 or more growing seasons are the best indicator of variety performance. Use single site year data with caution.

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

LSD (bu/acre) = Least Significant Difference. Varieties must differ by the LSD value ($p < 0.05$) to be considered significantly different from one another.

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





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Manitoba Agriculture Variety Guide

BARLEY

New for 2019

Variety	Type	Code	Breeder	Distributor	Seed Availability
CDC Copper®	Malting - 2 Row	TR14150	Crop Development Centre	FP Genetics	2020
AB Cattlelac®	Feed - 6 Row	SR14501	Alberta Agriculture and Forestry	Alliance Seed	2020

Comments:

Malting barley varieties are classified into two groups. The **“Malting: Acceptance - Recommended”** group are varieties with recommended market acceptance as listed in the Canadian Malt Barley Technical Centre (CMBTC) publication “2018/19 Recommended Malting Barley Varieties” on page 23. The category of “Malting: Other” includes varieties not currently recommended by the CMBTC but markets may exist.

The two-row malting varieties **CDC Goldstar®**, **CDC PolarStar®** and **CDC PlatinumStar®** are available through closed loop, identity preserved programs.

The hulless variety **CDC Clear®** is a malting type.

It is strongly recommended for producers to use a combination of the Canadian Food Inspection Agency's **List of Registered Varieties** (www.inspection.gc.ca) and the Canadian Grain Commission's **Variety Designation** Lists (www.grainscanada.gc.ca) to determine the registration and grade eligibility status of varieties.



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Avondale Seed Farm	204-877-3813	Walter Smith	204-825-2000	Rutherford Farms	204-467-5613
Boissevain Select Seeds	204-534-6846	HB Agri-Seed Ltd.	204-523-7464	R-Way Ag	866-398-9643
Catellier Seed Service	204-347-5588	James Farms	204-222-8785	Seine River Seed Farm	204-355-4495
Clearview Acres	204-748-2666	Jeffries Seed Service	204-827-2102	Sierens Seed Service	204-744-2883
Court Seeds	204-386-2354	Manness Seeds	204-736-2622	Swan Valley Seeds	204-734-2526
Durand Seeds	204-248-2268	MB Seeds	204-746-4652	Triple “S” Seed	204-546-2590
Ellis Farm Supplies	204-824-2290	Miller Agritec	204-267-2363	Westman Aerial Spray	204-763-8998
Ens Quality Seed	204-325-4658	Nickel Bros	204-773-6734	Wheat City Seeds	204-727-3337
Friesen Seeds	204-746-8325	Pitura Seed Service	204-736-2849	Wilson Seeds Ltd.	204-246-2119
Gagnon Seed Service	204-447-2118	Pugh Seeds	204-274-2179	Zeghers Seed Farm	204-526-2145
		Redsper Enterprises	204-328-5346		

BARLEY (continued)

Variety Descriptions

Category / Variety ¹	Site Years Tested	Yield (bu/acre)	Protein %	Maturity +/- 88 days	Height +/- 89 cm	Test Wt +/- 48.7 lb/bu	Rough or Smooth Awns	Resistance Level:									Fusarium ³ Head Blight	
								Lodging	Loose Smut	Surface -borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem ² Rust			
Malting: Acceptance - Recommended																		
AAC Connect (2)🌀	35	104	12.5	0	-3	-0.5	R	G	S	R	MS	I	MR	MR	MR	MR	MR	
AAC Synergy (2)🌀	32	111	12.3	0	-3	-0.4	R	G	S	I	I	MR	R	R	MR	I	I	
AC Metcalfe (2)	192	96	13.0	0	0	0	R	F	R	I	I	S	I	I	MR	I	I	
CDC Bow (2)🌀	44	105	12.1	1	3	0.5	R	G	S	I	MS	S	MR	I	MR	MS	MS	
CDC Copeland (2)🌀	51	97	12.6	0	5	-0.5	R	F	MS	I	I	I	I	S	MR	I	I	
Celebration (6W)🌀	35	104	13.5	-1	5	0	S	G	R	R	MS	S	MR	MR	I	MS	MS	
LEGACY (6W)	36	105	—	-2	8	0	S	F	I	MR	MR	S	MR	MR	MR	MS	MS	
Tradition (6W)	59	104	13.1	2	10	0.8	S	F	S	MR	MR	S	I	MR	MR	S	S	
Malting: Other																		
CDC Copper (2)🌀	6	105	12.4	1	-5	-0.7	R	G	I	MR	MR	MR	MR	MR	I	I	MS	
CDC Fraser (2)🌀	32	107	12.2	1	0	-0.7	R	G	R	MR	MS	MR	MR	MR	MR	MR	I	
CDC Goldstar (2)🌀	14	104	12.5	0	0	0	R	G	I	R	S	I	MR	I	I	MS	MS	
CDC Kindersley (2)🌀	34	102	12.7	-1	-3	0	R	G	S	R	I	MS	MR	I	MR	I	I	
CDC Meredith (2)🌀	42	102	12.5	2	-3	-2.1	R	F	R	MR	I	MS	R	MS	MR	I	I	
CDC PlatinumStar (2)🌀	18	98	12.3	0	3	-0.5	R	F	S	R	S	I	MR	S	I	MR	MR	
CDC Polarstar (2)🌀	20	98	12.9	-1	0	-0.6	R	F	S	R	MS	S	MR	MS	S	MR	MR	
Bentley (2)🌀	41	103	12.5	0	5	-0.8	R	G	MS	MR	I	MS	R	I	MR	MS	MS	
Lacey (6W)	41	103	—	1	5	-0.7	S	G	I	MR	MR	S	I	MR	MR	S	S	
Lowe (2)🌀	35	101	12.4	2	5	-0.4	R	G	R	R	—	I	MR	I	S	MR	MR	
Major (2)🌀	35	107	12.6	0	-3	-0.7	R	G	R	MR	MS	I	MR	MR	MR	I	I	
Newdale (2)🌀	61	108	12.7	0	-3	-0.5	R	F	S	MR	MR	I	MR	I	MR	I	I	
Sirish🌀	35	101	12.4	1	-13	-0.3	—	VG	S	R	—	MS	MS	MS	S	MS	MS	
Stellar-ND (6W)	32	99	12.9	-2	5	0	R	G	MR	R	MS	S	I	MR	I	I	I	
Food and Feed																		
AB Advantage (6)🌀	6	110	12.8	1	15	0	S	VG	MR	I	—	MS	I	I	I	S	S	
AB Cattlelac (6)🌀	6	103	12.8	1	11	1.3	SS	VG	I	R	—	MS	MR	MR	I	S	S	
AC Ranger (6F)	38	108	—	1	-8	0.1	S	G	MS	I	MR	I	MR	MR	MR	S	S	
Altorado🌀	32	110	12.4	0	-5	0.7	R	G	MR	MR	MR	S	I	S	MR	I	I	
Amisk (6)🌀	30	115	12.8	1	0	-2.3	SS	VG	S	MS	MS	I	MR	MR	MR	S	S	
Brahma (2)🌀	36	108	12.5	0	-5	0.5	R	G	MS	R	MR	S	I	S	MR	I	I	
Breton (6F)🌀	30	104	12.5	0	-5	0.8	S	G	MS	MR	I	I	MR	MR	MR	S	S	
Canmore (2)🌀	32	108	12.6	1	0	0.7	R	G	R	R	I	MS	MR	I	MS	I	I	
CDC Austenson (2)🌀	43	113	12.3	1	0	0.5	R	G	S	R	I	MS	R	MR	I	I	I	
CDC Coalition (2)🌀	39	104	12.5	1	5	0.8	R	VG	R	MR	I	S	MR	I	MR	I	I	
CDC Cowboy (2F)🌀	50	95	13.3	1	15	1.3	R	F	MS	MR	I	I	MR	I	MR	MR	MR	
CDC Maverick (2F)🌀	29	95	13.5	1	10	5.4	S	F	S	R	I	I	MR	I	MR	MR	MR	
CDC YORKTON (6W)	12	111	—	0	13	-3	S	G	MS	MR	MR	I	MR	MR	MR	S	S	
Champion (2)🌀	44	111	12.4	0	0	0.8	R	G	S	R	—	S	I	MS	I	I	I	
Claymore (2)🌀	44	116	12.1	0	0	-0.2	R	G	S	R	I	S	I	I	MR	I	I	
CONLON (2)🌀	88	93	12.9	-1	-3	0.8	S	G	I	I	I	I	MR	S	MR	MR	MR	
Desperado (6F)🌀	44	106	12.8	1	5	2.5	S	G	MS	R	MR	S	MR	MR	MR	S	S	
Gadsby (2)🌀	29	100	13.1	0	8	0.1	R	F	R	R	I	MS	MR	S	MR	I	I	
Muskwa (6)🌀	31	105	12.8	0	-13	1.3	S	G	MS	R	MS	MS	MR	I	MR	S	S	
Oreana (2)🌀	44	110	12.0	2	-13	0.2	R	G	S	R	I	S	MR	I	I	S	S	
Sundre (6)🌀	5	93	12.7	—	—	—	S	G	MS	R	MS	MS	I	I	I	S	S	
Hulless																		
CDC Ascent (2)🌀	35	89	13.9	2	-3	8	R	G	MR	MR	I	S	MR	I	I	MR	MR	
CDC Carter (2)🌀	35	91	13.3	1	0	8	R	F	R	R	S	I	MR	I	I	MR	MR	
CDC Clear (2)🌀	29	96	12.7	2	5	9	R	F	R	R	I	MS	R	I	MR	MR	MR	
Varieties supported for registration by the PRCOB																		
Malting: Other																		
TR10214 (2)	50	105	12.7	1	3	-0.4	R	F	MS	I	S	I	R	I	I	MR	MR	
TR13606 (2)🌀	21	98	12.6	0	0	-0.3	R	VG	R	R	—	I	MR	I	S	I	I	
TR15155 (2)	6	111	12.3	1	-5	-0.2	R	G	MS	MR	—	MR	MR	I	MR	MS	MS	
GRAND MEAN		104	12.7															
LSD (0.05)		5	0.3															

1 Values in brackets indicate row and type: 2 = two-row; 6 = six-row; W = white aleurone (all others yellow); F = fodder.

2 Reactions given for old races of stem rust. All cultivars are susceptible to new race QCCJ. However, to date this has not caused widespread damage. Early seeding will generally reduce the likelihood of severe infection.

3 Fusarium head blight (FHB) infection is highly influenced by environment and heading date. Under high levels of the disease all varieties will sustain damage. Hulless barley typically has reduced levels of DON when compared to regular barley with similar levels of disease.



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BARLEY (continued)

Yield Comparisons

Variety	2018 Yield (bu/acre)												
	Arborg	Beausejour	Brandon	Dauphin	Hamiota	Melita	Neepawa	Roblin	Rosebank	Souris	Stonewall	St. Adolphe	Thornhill
Malting													
AC Metcalfe (2)	86	136	140	117	102	80	96	86	114	107	90	100	125
AAC Connect (2)Ⓢ	94	139	144	127	111	86	105	113	116	121	91	101	126
CDC Copper (2)Ⓢ	91	—	—	135	112	—	—	—	—	—	—	106	132
Lowe (2)Ⓢ	108	136	143	132	106	90	105	121	124	108	85	106	136
SirishⓈ	93	123	133	129	113	71	97	80	103	120	80	93	127
Food and Feed													
AB Advantage (6)Ⓢ	115	—	—	125	121	—	—	—	—	—	—	127	144
AB Cattlelac (6)Ⓢ	82	—	—	112	116	—	—	—	—	—	—	108	133
Hulless													
CDC Ascent (2)Ⓢ	83	129	112	96	102	81	98	86	109	107	70	78	105
Varieties supported for registration by the PRCOB													
Malting													
TR15155	111	—	—	136	119	—	—	—	—	—	—	112	138
SITE GRAND MEAN (bu/acre)	96	133	134	123	111	81	101	97	113	113	83	103	130
CV %	12.8	5.9	2.7	3.6	3.8	2.4	5.7	6.3	6.8	4.7	6.1	5.8	5.1
LSD (bu/acre)	21	—	7	8	7	4	—	11	—	10	10	10	12
Sign Diff	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes
Seeding Date	11-May	08-May	17-May	04-May	05-May	02-May	15-May	16-May	08-May	15-May	04-May	03-May	12-May
Harvest Date	11-Aug	13-Aug	23-Aug	31-Aug	12-Aug	07-Aug	31-Aug	22-Aug	06-Aug	10-Sep	02-Aug	07-Aug	16-Aug

Protein Comparisons

Variety	2018 Protein (%)												
	Arborg	Beausejour	Brandon	Dauphin	Hamiota	Melita	Neepawa	Roblin	Rosebank	Souris	Stonewall	St. Adolphe	Thornhill
Malting													
AC Metcalfe (2)	13.4	14.0	11.7	12.8	12.5	12.9	14.8	14.6	12.9	11.6	13.4	14.7	13.9
AAC Connect (2)Ⓢ	12.9	13.1	11.7	12.0	11.8	12.1	13.8	11.9	12.5	11.0	13.4	14.7	12.9
CDC Copper (2)Ⓢ	12.8	—	—	11.5	11.6	—	—	—	—	—	—	15.0	12.3
LoweⓈ	12.3	13.6	11.7	10.9	12.2	12.4	14.3	11.8	12.5	11.0	13.0	14.7	11.7
SirishⓈ	13.0	14.1	10.9	11.4	11.2	12.7	14.7	12.2	13.4	11.1	13.6	14.4	12.2
Food and Feed													
AB Advantage (6)Ⓢ	12.2	—	—	12.3	12.1	—	—	—	—	—	—	14.1	12.5
AB Cattlelac (6)Ⓢ	13.0	—	—	12.3	11.1	—	—	—	—	—	—	15.1	13.1
Hulless													
CDC Ascent (2)Ⓢ	14.7	15.2	14.1	13.7	12.9	13.2	15.8	13.3	14.4	12.5	14.6	16.7	14.4
Varieties supported for registration by the PRCOB													
Malting													
TR15155	11.9	—	—	11.2	11.3	—	—	—	—	—	—	15.2	12.9
SITE GRAND MEAN (%)	12.9	14.0	12.0	12.0	11.9	12.7	14.7	12.8	13.1	11.4	13.6	15.0	12.9



2019-2020 RECOMMENDED MALTING BARLEY VARIETIES

The Canadian Malting Barley Technical Centre (CMBTC) recommended list is designed to provide producers with an indication of which malting barley varieties have the greatest potential for selection and marketing. Each variety on the recommended list has been pilot scale tested at the CMBTC and all exhibit good malting and brewing characteristics. All varieties on the list are registered with the Canadian Food Inspection Agency (CFIA).

RECOMMENDED VARIETIES

VARIETY	TYPE	MARKET COMMENTS	SEED DISTRIBUTOR
CDC Copeland	2 Row	Established Demand	SeCan
AC Metcalfe	2 Row	Established Demand	SeCan
AAC Synergy	2 Row	Growing Demand	Syngenta
AAC Connect	2 Row	Growing Demand	CANTERRA SEEDS
CDC Bow	2 Row	Growing Demand	SeCan
Legacy	6 Row	Limited Demand	FP Genetics

- › Marketing opportunities remain for **Newdale** (FP Genetics) and **Bentley** (CANTERRA SEEDS) in certain regions. Contact Canada Malting in Calgary for contracting opportunities.
- › **CDC PlatinumStar** (CANTERRA SEEDS) is a closed-loop variety. Contact Prairie Malt/Cargill in Biggar for contracting opportunities.
- › Demand for six-row malting barley is limited. Contact Viterra in Regina for **Legacy** contracting opportunities.
- › In Eastern Canada, **AC Metcalfe**, **Newdale** and **AAC Synergy** have had the greatest success in selection in recent years.

VARIETIES IN DEVELOPMENT

VARIETY	TYPE	MARKET COMMENTS	SEED DISTRIBUTOR
CDC Fraser	2 Row	Undergoing seed propagation	SeCan
Lowe	2 Row	Undergoing seed propagation	SeCan

- › These newly registered varieties are undergoing seed propagation and commercial market development. Contact the seed distributor for opportunities to trial these promising new varieties.

The CMBTC and its members recommend:

- › Talk with your grain company representative, local elevator operators, malting companies, or the representative seed company about opportunities in your area to grow and market two-row and six-row malting barley varieties.
- › Use certified seed to ensure varietal purity, reduce disease incidence and increase the likelihood of selection for malt.

cmbtc.com



For inquiries please contact the CMBTC by email at cmbtc@cmbtc.com or call 204-984-4399

OATS

New for 2019

Variety	Code	Breeder	Distributor	Seed Availability
AAC Kongsore	OT8006	A AFC - Brandon	Grain Millers	2021

Comments:

There have been recent changes within the crown rust pathogen populations in Manitoba that has seen virulence developed on a number of oat varieties. Varieties that contain the *Pc91* gene, including **AAC Justice**, **CDC Morrison**, **HiFi**, **Souris** and **Stainless**, have been redefined for crown rust resistance.

The variety **Summit**, which is postulated to carry different resistance genes, is also losing its resistance to virulent races in the Eastern Prairies; therefore, it has been redefined for crown rust resistance.

The varieties listed under the heading “**Varieties being tested for adaptability in Western Canada**” are lines which were supported for registration in Eastern Canada. Their performance is being evaluated to determine adaptability and resistance ratings to various agronomic and disease characteristics.

Producers are encouraged to check the “Preferred” or “Approved” lists available at most mills if they are selecting varieties for the milling market. These lists are updated as new genetics become available.

HiFi and **CDC Morrison** are exceptionally high in beta-glucan fibre and are available for contract identity preserved production.

The variety **AAC Kongsore** was selected for performance under organic growing conditions.

Variety Descriptions

Variety ¹	Site Years Tested	Yield bu/acre	Maturity +/- 96 days	Height +/- 84 cm	Test Wt +/- 39.3 lb/bu	Hull %	Hull Colour	Resistance to:				
								Lodging	Smut	Crown Rust	Stem ² Rust	BYD ³
AAC Justice	37	154	0	5	0.5	22.8	White	G	R	I	I	I
AAC Kongsore	4	145	1	20	1.0	24.5	White/Light Grey	G	R	MS	I	R
AC Morgan	36	143	-1	15	-1.0	25.2	White	G	I	S	S	MS
CDC Arborg	15	157	-2	19	0.2	20.5	White	VG	R	I	S	S
CDC Big Brown	42	141	-1	3	0	20.4	Tan	G	R	R	MS	MS
CDC Dancer	40	138	-3	13	0.5	19.6	White	G	R	I	I	MS
CDC Haymaker (F)	37	126	2	25	-1.0	22.0	White	G	MR	S	S	—
CDC Minstrel	40	144	0	8	-0.2	22.3	White	VG	R	MS	I	MS
CDC Morrison	13	134	-2	-3	-1.0	24.4	White	VG	R	MS	I	I
CDC Norseman	31	149	-3	5	-1.0	20.5	White	G	MS	MR	S	I
CDC Ruffian	39	150	0	0	-0.8	20.5	White	G	R	I	S	S
CS Camden	34	157	2	0	-1.5	21.1	White	VG	I	MS	S	S
Furlong	72	135	-1	20	0.5	20.3	Tan	G	R	S	I	MR
HiFi	62	144	-3	15	0	24.7	White	G	MS	I	I	MR
Jordan	52	146	2	8	-2.0	23.6	White	VG	R	I	I	MR
Leggett	144	142	0	0	0	23.0	White	G	R	R	I	MS
ORe3541M	15	142	-2	-2	0.6	23.3	White	VG	R	R	S	MS
ORe3542M	15	145	-1	-2	-1.1	24.4	White	VG	R	R	S	S
Pinnacle	50	153	3	10	-1.2	23.7	White	G	R	S	I	MS
Ronald	45	135	0	3	0	22.1	White	VG	R	S	I	MR
Souris	60	141	-4	0	0.5	20.9	White	G	R	MS	MR	MS
Stride	39	141	-2	13	0.6	23.7	White	VG	R	R	I	I
Summit	52	148	0	-3	0.5	20.8	White	G	R	I	I	I
Triactor	43	160	-1	8	-1.5	22.1	White	VG	I	MR	S	MS
Varieties being tested for adaptability in Western Canada												
Akina	31	155	-4	0	0.8	25.6	White	G	R	R	—	—
Bradley	30	140	2	8	—	21.7	White	G	R	MS	MS	MS
Kara	31	154	-3	-3	1.6	26.3	White	G	MR	MR	—	—
Kyron	14	154	-3	3	0.9	26.6	White	G	—	—	—	—
Varieties supported for registration												
CFA1502	4	154										
OT3087	4	156	-1	14	-1.1	20.9		G	R	MR	I	I
GRAND MEAN (bu/acre)		146										
LSD (bu/acre) (0.05)		8										

1 The letter 'F' indicates a forage type.

2 All varieties are susceptible to new stem rust races NA67 and NA76 and these races caused moderate damage to crops in the Red River Valley in 2001 and 2002. Early seeding will generally reduce the likelihood of severe infection.

3 BYD = Barley Yellow Dwarf - a viral disease carried and spread by aphids - early seeding will generally reduce the likelihood of severe infection.

Yield Comparisons

Variety	2018 Yield (bu/acre)							
	Beausejour	Brandon	Dauphin	Hamiota	Melita	Roblin	St. Adolphe	Stonewall
CDC Arborg	186	180	185	138	144	143	146	89
CDC Dancer	153	166	162	117	134	132	119	83
ORe3541M	170	144	129	130	138	124	130	79
ORe3542M	159	140	160	136	132	138	119	77
Summit	181	182	165	145	129	125	132	82
Varieties being tested for adaptability in Western Canada								
Akina	178	182	194	144	127	128	155	85
Kara	172	157	200	136	132	130	120	81
Varieties supported for registration & being tested for adaptability in Western Canada								
CFA1502	—	—	203	149	—	—	132	—
OT3087	—	—	198	131	—	—	148	—
SITE GRAND MEAN (bu/acre)	171	164	177	136	134	131	133	82
CV %	8.2	6.8	3.6	5.7	4.1	11.2	7.0	4.4
LSD (bu/acre)	—	20	11	13	—	—	16	6
Sign Diff	No	Yes	Yes	Yes	No	No	Yes	Yes
Seeding Date	08-May	09-May	04-May	05-May	02-May	15-May	03-May	21-May
Harvest Date	13-Aug	17-Aug	31-Aug	12-Aug	08-Aug	24-Aug	07-Aug	06-Sep

High Value

Faller & Prosper wheat

Faller dealers listed below. Prosper seed available exclusively through Richardson Pioneer.

Walt Smith - Seed Depot	(204) 825-2000	Jeffries Seed Service	(204) 827-2102
Bergen Seed Farm	(204) 736-2278	LD Seeds	(204) 324-5798
Boissevain Select Seeds	(204) 534-6846	MB Seeds Ltd.	(204) 746-4652
Clearview Acres Ltd.	(204) 748-2666	Miller Agritec	(204) 267-2363
Court Seeds	(204) 386-2354	Nickel Bros.	(204) 773-6734
Dauphin Plains Seeds Ltd.	(204) 638-7800	Parent Bros. Inc.	(204) 737-3000
Derrick Beischer	(204) 564-2117	Pitura Seed Service Ltd.	(204) 736-2849
Durand Seeds Inc.	(204) 248-2268	R-Way Ag Ltd.	(866) 398-9643
Ellis Farm Supplies Ltd.	(204) 824-2290	Red River Seeds Ltd.	(204) 746-4779
Ens Quality Seed	(204) 325-4658	Redsper Enterprises Ltd.	(204) 328-5346
Fisher Seeds	(204) 622-8800	RJP Seed Ltd.	(204) 745-3304
Foster Ag Services Inc.	(204) 364-2358	Rutherford Farms Ltd.	(204) 467-5613
Friesen Seeds Ltd.	(204) 746-8325	Seine River Seed Farm Ltd.	(204) 355-4495
Gerrard Family Seeds	(204) 365-0321	Triple "S" Seed Ltd.	(204) 546-2590
Hulme Agra Products Inc.	(204) 685-2627	Unger Seed Farm Ltd.	(204) 467-8630
J.S. Henry & Son Ltd.	(204) 566-2422	Wheat City Seeds Ltd.	(204) 727-3337
James Farms Ltd.	(204) 222-8785	Wilson Seeds Ltd.	(204) 246-2119
Janzen Seeds	(204) 829-7749	Zeghers Seed Farm	(204) 526-2145

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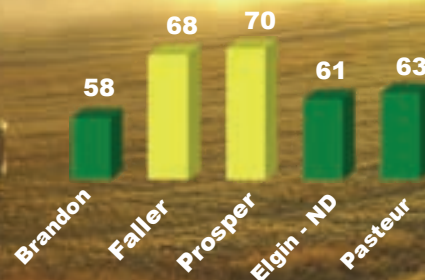
www.seeddepot.ca



2016 Seed MB Data

- ✓ **120% yield of CWRS**
- ✓ **FHB Resistance - Intermediate**
- ✓ **I-MR to Leaf & Stem Rust**
- ✓ **Lodging - Midrange**
- ✓ **1 day earlier than Carberry**
- ✓ **Semi Dwarf - 1" taller than Carberry**
- ✓ **Susceptible to Stripe Rust**

Yield MB 2016



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SPRING WHEAT

New for 2019

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Alida VB	CWRS	BW980	AAFC - Swift Current	SeCan	2020
AAC LeRoy VB	CWRS	BW1049	AAFC - Brandon	Alliance Seeds	2020
AAC Magnet	CWRS	BW1045	AAFC - Brandon	FP Genetics	2020
AAC Warman VB	CWRS	BW1025	AAFC - Brandon	SeCan	2020
Parata	CWRS	PT772	University of Alberta	SeCan	2020
SY Chert VB	CWRS	BW5005	Syngenta Canada Inc.	Syngenta Canada Inc.	2020
SY Obsidian	CWRS	BW5007	Syngenta Canada Inc.	Syngenta Canada Inc. / Richardson International	2019
AAC Cirrus	CWHWS	HW388	AAFC - Swift Current	FP Genetics	2020
AAC Starbuck VB	CWRS	BW5011	AAFC - Swift Current	SeCan	2021
AAC Wheatland VB	CWRS	BW5013	AAFC - Swift Current	SeCan	2021

Comments:

Seed of the Canada Western Red Spring (CWRS) variety **SY Obsidian** will be available spring 2019.

Midge tolerant varieties are designated by the letters 'VB', which stands for Varietal Blend. The varieties contain the Sm1 gene for tolerance. To manage against the build-up of midge resistance to the gene, an interspersed refuge is used commercially. More information on midge tolerant wheat varieties and interspersed refuge can be found at www.midgetolerantwheat.ca.

The varieties **CDC Hughes VB**, **CDC Landmark VB** and **CDC Adamant VB** have partial solid stems, **AAC Concord** has a solid stem, both of which can provide protection against the wheat stem sawfly.

The variety **AAC Tradition** was selected for performance under organic growing conditions.

Most varieties have been rated for their relative resistance to pre-harvest sprouting. Under wet post-maturity conditions varieties rated poor (P) would have reduced ability to retain Hagberg Falling Number values relative to those rated good (G) or very good (VG).

At Seed Manitoba 2019 publication deadlines, the Canadian Grain Commission (CGC) has stated effective August 1, 2021, five (25) spring wheat varieties from the Canada Western Red Spring (CWRS) class will be designated to the Canada Northern Hard Red Class (CNHR).

Varieties published in Seed Manitoba 2019 that will be impacted include AAC Redwater, AC Domain, Muchmore, Vesper and 5605 HR CL.

Producers are strongly encouraged to use the Canadian Grain Commission's **Variety Designation Lists** (www.grainscanada.gc.ca) that indicate the varieties belonging to each class of wheat in Canada, and the complete list of varieties being designated to another class effective August 1, 2019 and August 1, 2021.

For complete and up-to-date information on the **Canadian Wheat Class Modernization** initiative, visit CGC's website at <http://www.grainscanada.gc.ca/consultations/classes-en.htm>.

It is also recommended for producers to use the Canadian Food Inspection Agency's **List of Registered Varieties** (www.inspection.gc.ca) to determine registration status of varieties.



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		CLASS	Strong Standing	Semi Dwarf	Grain Protein	Easy to Harvest	Disease Resistance
SY Rowyn		CPSR	√√√√√	√	√√√√	√√√√√	√√√√
AAC Elie		CWRS	√√√√√	√	√√√√	√√√√√	√√√√
AAC Redberry	NEW!	CWRS	√√√√	√	√√√√	√√√√	√√√√

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SPRING WHEAT (continued)

Variety Descriptions

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 99 days	Height +/- 81 cm	Spike Awned	Resistance Level:									
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Fusarium ²			
													Leaf Rust	Stripe Rust	Head Blight	
Canada Western Red Spring																
5604HR CL☼	40	66	14.5	-1	10	Y	G	G	MS	I	MS	R	R	—	I	
5605HR CL☼	32	66	14.7	1	10	Y	VG	F	R	MR	MS	MS	R	MR	MR	
AAC Alida VB☼	19	67	14.5	2	6	Y	VG	VG	R	I	MS	R	R	MR	MR	
AAC Bailey☼	28	55	14.9	-1	13	N	G	G	MS	MR	I	R	R	—	I	
AAC Brandon☼	60	69	14.2	2	0	Y	VG	P	MR	S	I	R	R	MR	MR	
AAC Cameron VB☼	34	73	13.9	1	13	Y	G	F	S	R	I	MR	MR	S	I	
AAC Connery☼	32	61	14.9	1	3	N	VG	G	MR	I	I	R	MR	R	MR	
AAC Elie☼	44	68	14.3	2	-3	Y	VG	F	I	I	I	R	R	MR	I	
AAC Jatharia VB☼	33	73	14.3	1	13	Y	G	G	S	MS	I	I	R	I	I	
AAC LeRoy VB☼	6	73	14.3	0	7	Y	G	G	—	I	MS	MR	MR	MR	MR	
AAC Magnet☼	6	66	14.0	0	8	Y	G	G	—	S	MS	R	R	I	MR	
AAC Prevail VB☼	44	66	14.1	1	18	N	G	G	S	S	MS	MR	R	R	I	
AAC Redberry☼	32	68	14.3	0	8	Y	G	G	R	I	MS	R	R	R	I	
AAC Redwater☼	43	64	14.5	-2	8	Y	G	VG	MS	I	MS	R	R	MR	I	
AAC Starbuck VB☼	6	73	14.5	1	1	Y	G	—	MR	S	S	I	MR	MR	MR	
AAC Tisdale☼	32	67	15.1	1	8	Y	G	F	MR	MR	MS	R	R	S	MR	
AAC Viewfield☼	45	70	14.3	3	-5	Y	VG	G	S	MR	I	R	MR	R	I	
AAC W1876☼	32	62	15.1	3	3	Y	VG	F	I	I	MS	MR	R	I	I	
AAC Warman VB☼	19	68	14.4	0	12	Y	G	—	MR	S	I	R	R	MS	MR	
AAC Wheatland VB☼	6	74	14.3	1	0	Y	VG	—	R	MR	S	R	R	I	I	
AC Domain	2	65	15.3	-2	10	N	VG	VG	R	I	S	R	I	MR	MS	
Carberry☼	110	66	14.5	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR	
Cardale☼	29	67	14.5	2	3	Y	VG	G	I	MR	MS	R	R	S	MR	
CDC Adamant VB☼	32	67	14.4	0	8	Y	F	F	S	S	MS	R	I	MS	I	
CDC Bradwell☼	33	66	14.4	3	5	Y	VG	F	MR	R	MS	MR	R	MS	I	
CDC Go	34	66	14.2	-1	8	Y	G	P	MS	I	S	R	I	MR	MS	
CDC Hughes VB☼	33	68	14.5	1	3	Y	VG	VG	MR	MS	I	R	MR	I	I	
CDC Landmark VB☼	33	67	14.5	0	3	Y	VG	G	MR	MS	I	R	MS	MR	I	
CDC Plentiful☼	42	65	14.5	-3	8	N	VG	P	R	I	I	R	R	MR	MR	
CDC Stanley☼	34	66	14.5	0	10	N	G	G	MR	S	I	R	MR	I	MS	
CDC Titanium VB☼	32	64	15.0	2	13	Y	G	P	MS	I	MS	I	R	R	MR	
CDC Utmost VB☼	38	67	14.5	-1	10	N	G	G	MS	S	I	MR	R	I	MS	
CDC VR Morris☼	42	67	14.6	0	13	N	G	P	I	I	I	MR	R	—	MR	
Fieldstar VB☼	43	68	14.5	0	15	Y	F	VG	I	I	I	MR	R	MS	I	
Glenn☼	174	66	14.4	2	8	Y	VG	F	I	I	I	R	R	MR	I	
Goodeve VB☼	53	66	14.7	-2	10	N	VG	G	MR	S	MS	MR	MR	I	S	
Infinity☼	23	64	15.0	-2	13	N	G	G	MR	MR	MS	MR	MR	MS	S	
Muchmore☼	40	67	14.1	2	-3	Y	VG	G	MR	R	MS	R	R	MR	MS	
Parata☼	6	69	14.7	-2	13	Y	G	—	MR	S	I	R	MR	MR	I	
Shaw VB☼	40	67	14.2	0	18	N	G	G	S	MR	MS	R	MR	I	MS	
SY433☼	12	61	14.5	2	15	Y	G	VG	I	S	I	R	R	—	MR	
SY479 VB☼	33	61	15.2	1	13	Y	VG	VG	MS	R	MS	I	R	S	I	
SY Chert VB☼	32	68	14.0	-1	7	Y	G	—	R	R	MS	R	R	R	I	
SY Obsidian☼	32	66	14.1	1	3	Y	VG	—	R	MS	I	MR	R	MR	MS	
SY Slate☼	38	69	14.9	1	10	Y	G	P	MS	S	MS	MR	R	MR	I	
SY Sovite☼	46	62	14.4	1	8	Y	G	F	R	MS	MR	MR	R	R	MR	
Thorsby☼	30	62	14.8	-2	13	N	VG	F	I	S	MS	MR	R	R	I	
Vesper VB☼	40	70	14.4	0	10	Y	F	F	I	S	I	MR	R	S	I	
Waskada☼	43	66	14.6	1	18	Y	F	VG	MR	R	MS	R	I	MS	MR	
WR859 CL☼	42	66	14.4	0	5	Y	G	G	R	R	MS	MR	R	I	MR	
Canada Prairie Spring Red																
AAC Crossfield☼	20	73	13.4	2	0	Y	G	—	I	S	I	MR	R	R	I	
AAC Crusader☼	16	74	13.4	0	-3	Y	G	VP	MR	I	MS	R	R	MR	I	
AAC Entice☼	21	72	13.5	2	1	Y	G	—	MS	S	MS	R	R	R	I	
AAC Foray VB☼	31	77	13.0	1	5	Y	VG	P	MS	I	MS	MR	R	I	I	
AAC Goodwin☼	33	74	14.0	2	0	Y	VG	G	MS	I	I	I	R	R	I	
AAC Penhold☼	44	74	13.8	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR	
AAC Ryley☼	30	71	13.0	1	3	Y	G	G	I	R	MS	R	R	S	MS	
AAC Tenacious VB☼	45	63	13.1	1	20	Y	F	G	R	MR	MS	MR	R	R	R	
CDC Terrain☼	33	70	13.3	0	10	Y	VG	G	MR	MR	I	MR	R	R	MS	
Enchant VB☼	29	72	13.2	1	8	Y	G	VG	MR	R	MS	MR	R	S	S	
SY Rowyn☼	31	73	13.5	1	-5	Y	VG	F	I	S	I	R	R	MR	MR	

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 99 days	Height +/- 81 cm	Spike Awned	Resistance Level:									Fusarium ²	
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	Stripe Rust	Head Blight		
Canada Northern Hard Red																	
AAC Concord🌀	33	66	14.5	2	15	Y	G	F	I	MR	I	R	R	R	R	MS	
AAC Tradition🌀	33	66	14.2	4	5	Y	G	VG	MS	MR	I	R	MR	S	I		
Elgin ND🌀	41	76	14.0	2	10	Y	G	F	—	S	I	I	R	MR	I		
Faller	46	82	12.8	1	3	Y	G	F	—	I	MS	I	MR	MS	I		
Harvest🌀	22	65	14.2	-1	8	N	VG	VG	MR	S	MS	R	MR	MR	S		
KANE🌀	92	65	14.4	1	8	Y	G	VG	MS	I	I	R	R	MR	I		
Prosper🌀	44	81	12.9	1	3	Y	G	F	—	I	I	MR	MR	S	I		
Unity VB🌀	53	70	14.2	0	13	Y	F	VG	MS	R	I	MR	R	MS	I		
Canada Western Special Purpose																	
AAC Awesome VB🌀	33	88	11.4	4	10	Y	G	P	I	I	I	R	MR	R	I		
AAC Innova🌀	42	77	11.6	4	5	Y	F	VP	S	S	I	MR	R	R	S		
AAC NRG097🌀	31	72	12.4	5	3	y	VG	F	I	R	I	MR	R	S	I		
AAC Proclaim🌀	30	72	12.5	3	10	Y	F	G	MR	S	I	MR	R	MS	MR		
Alderon	20	78	11.9	9	-5	—	VG	F	—	MS	I	MR	R	MR	—		
CDC Throttle🌀	19	80	12.5	2	5	Y	VG	P	MR	I	S	MR	MR	I	I		
Charing VB🌀	20	79	12.5	9	0	—	VG	G	—	—	MR	—	MR	R	—		
Pasteur	39	78	12.8	7	5	N	VG	G	MS	S	I	MR	R	MR	I		
Sparrow VB	20	80	12.5	8	0	—	VG	G	—	I	I	MR	R	MR	—		
SY087🌀	12	75	13.7	2	5	Y	VG	F	MS	MR	I	MR	MR	MR	MR		
WFT603	32	74	12.4	5	10	Y	G	F	I	R	I	I	I	MR	MR		
Canada Western Hard White Spring																	
AAC Cirrus🌀	6	66	14.7	1	3	Y	VG	F	R	I	I	MR	R	R	I		
AAC Iceberg🌀	42	62	13.9	0	3	Y	G	P	MS	MR	MS	R	R	I	I		
AAC Whitefox🌀	32	66	13.8	-2	8	N	G	F	MS	MS	MS	MR	MR	MS	I		
CDC Whitewood🌀	32	58	14.1	0	3	Y	VG	G	S	S	MS	MR	MR	I	I		
Snowstar🌀	37	67	13.4	-1	3	N	VG	G	MS	S	MS	R	MR	MS	MS		
Whitehawk🌀	33	59	13.7	-2	13	N	VG	G	I	MS	MS	I	R	MS	MS		
Canada Western Soft White Spring																	
AAC Chiffon🌀	44	83	11.4	4	10	Y	F	VP	S	S	—	S	I	MR	S		
AAC Indus VB🌀	33	78	10.9	6	5	Y	VG	P	S	MS	MS	S	I	R	MS		
AAC Paramount VB🌀	20	85	11.4	4	8	Y	VG	P	MR	S	—	I	I	R	MS		
AC Andrew	30	77	10.9	4	3	Y	VG	P	S	S	—	MR	MS	I	I		
Sadash VB🌀	35	76	10.7	4	8	Y	VG	P	I	S	—	MR	I	R	S		
Canada Western Extra Strong																	
Burnside	15	64	14.3	-1	18	N	G	G	R	I	MS	R	R	R	S		
CDN Bison	38	69	13.7	1	8	Y	G	F	R	I	I	R	MR	—	I		
Glencross VB	41	66	14.1	0	20	N	G	F	R	I	MS	R	MR	MR	S		
Varieties supported for registration by the PRCWRT																	
BW1041🌀	6	71	14.7	2	7	Y	VG	—	R	I	MS	MR	R	I	MR		
PT650🌀	6	63	15.5	2	3	Y	VG	—	R	MS	MS	MR	R	MS	MR		
GP184	14	72	12.6	4	0	Y	G	—	—	R	MR	MR	R	I	I		
GP205	7	77	12.1	4	3	Y	VG	—	—	I	—	R	MR	R	I		
HY2003 VB	21	71	14.1	0	0	Y	VG	F	MR	R	MS	MR	MR	MS	I		
GRAND MEAN (bu/acre and %)		70	13.8														
LSD (bu/acre and %) (0.05)		4	0.4														

1 Leaf Spots rating is a combination of resistance to tan spot, spot blotch and septoria leaf disease complex.

2 Fusarium head blight (FHB) infection is highly influenced by genetics, environment and heading date. Under high levels of disease pressure, all varieties will experience yield and/or quality loss.

SPRING WHEAT (continued)

Yield Comparisons

Class/Variety	2018 Yield (bu/acre)												
	Arborg	Beausejour	Brandon	Dauphin	Hamiota	Melita	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Swan River	Thornhill
Canada Western Red Spring													
AAC Alida VB	56	72	93	87	75	62	66	73	76	60	67	70	81
AAC LeRoy VB	55	—	—	86	84	—	—	—	—	68	—	—	94
AAC Magnet	53	—	—	75	80	—	—	—	—	67	—	—	83
AAC Starbuck VB	63	—	—	92	79	—	—	—	—	65	—	—	94
AAC Tisdale	60	69	86	81	67	62	66	76	79	64	60	71	88
AAC Viewfield	65	72	94	91	81	69	81	84	98	65	66	76	94
AAC Warman VB	52	64	90	83	75	61	68	75	78	72	63	75	84
AAC Wheatland VB	62	—	—	91	83	—	—	—	—	64	—	—	98
Carberry	53	79	83	83	82	52	56	72	69	66	59	68	83
CDC Adamant	54	62	88	85	76	71	60	86	90	66	65	82	86
CDC Hughes VB	52	73	78	78	72	62	65	72	84	70	58	72	87
CDC Landmark VB	56	72	85	77	72	61	72	70	83	69	61	72	80
Parata	58	—	—	82	73	—	—	—	—	68	—	—	87
SY Chert VB	55	—	—	83	74	—	—	—	—	62	—	—	84
SY Obsidian	51	—	—	73	79	—	—	—	—	63	—	—	86
SY Sovite	51	66	84	86	69	57	69	79	60	62	61	73	79
Canada Prairie Spring Red													
AAC Crossfield	50	82	94	83	87	59	71	78	93	56	65	78	97
AAC Entice	52	75	94	83	78	66	73	75	97	61	67	75	92
AAC Goodwin	62	82	95	91	79	66	78	86	92	65	68	77	94
SY Rowyn	53	79	93	86	77	61	66	78	85	66	64	81	97
Canada Northern Hard Red													
AAC Concord	52	69	88	82	80	67	71	78	94	56	59	77	89
Canada Western Special Purpose													
AAC Awesome VB	66	98	122	105	96	75	86	105	107	71	72	95	117
Canada Western Soft White Spring													
AAC Paramount VB	65	102	119	110	86	72	80	95	100	74	76	96	109
Varieties supported for registration by the PRCWRT													
BW1041	63	—	—	89	77	—	—	—	—	65	—	—	91
HY2003 VB	51	73	90	86	76	63	68	81	104	62	65	80	95
PT650	42	—	—	78	69	—	—	—	—	65	—	—	77
SITE GRAND MEAN (bu/acre)	56	76	93	86	78	64	70	80	87	65	64	78	90
CV%	10.3	7.7	4.7	4.3	6.2	5.5	7.6	6.0	5.2	6.5	3.7	5.1	5.9
LSD (bu/acre)	12	10	7	6	8	6	9	8	8	7	4	7	9
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	10-May	08-May	10-May	04-May	05-May	02-May	16-May	08-May	15-May	03-May	05-May	16-May	12-May
Harvest Date	30-Aug	13-Aug	20-Aug	31-Aug	23-Aug	14-Aug	31-Aug	08-Aug	10-Sep	09-Aug	22-Aug	06-Sep	16-Aug

Protein Comparisons

Class/Variety	2018 Protein (%)												
	Arborg	Beausejour	Brandon	Dauphin	Hamiota	Melita	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Swan River	Thornhill
Canada Western Red Spring													
AAC Alida VB®	15.3	16.4	14.5	15.2	13.3	13.9	12.1	15.0	13.0	16.3	14.9	14.0	15.9
AAC LeRoy VB®	15.3	—	—	15.5	12.7	—	—	—	—	15.6	—	—	14.6
AAC Magnet®	14.8	—	—	16.0	12.5	—	—	—	—	14.9	—	—	14.7
AAC Starbuck VB®	15.2	—	—	15.0	12.8	—	—	—	—	16.0	—	—	15.4
AAC Tisdale®	15.4	16.7	16.2	17.4	13.8	14.5	15.6	15.9	12.4	16.3	16.0	15.8	14.9
AAC Viewfield®	14.6	15.7	14.1	14.4	12.2	13.3	14.6	14.7	11.2	16.2	14.4	13.2	15.1
AAC Warman VB®	14.7	15.8	14.3	16.0	13.4	14.0	14.8	15.1	12.4	15.7	14.6	14.3	13.6
AAC Wheatland VB®	14.8	—	—	15.4	12.7	—	—	—	—	15.6	—	—	14.8
Carberry®	15.4	16.3	15.6	15.2	13.0	14.5	15.5	15.3	12.8	15.5	15.2	13.9	15.8
CDC Adamant®	14.4	15.2	14.0	15.2	12.9	13.9	14.5	15.1	11.7	16.2	14.6	13.2	15.0
CDC Hughes VB®	16.0	16.3	15.2	15.6	13.4	14.4	15.5	15.6	13.1	16.0	15.4	14.6	15.3
CDC Landmark VB®	15.6	16.2	15.0	15.9	13.6	14.4	15.3	15.6	12.3	16.3	15.1	14.8	15.6
Parata®	14.7	—	—	16.0	13.0	—	—	—	—	14.8	—	—	16.5
SY Chert VB®	14.7	—	—	14.9	13.2	—	—	—	—	15.5	—	—	14.4
SY Obsidian®	15.2	—	—	15.6	12.7	—	—	—	—	14.9	—	—	14.8
SY Sovite®	14.9	15.9	15.3	14.9	13.8	14.6	14.6	15.5	13.3	15.5	15.0	13.7	15.0
Canada Prairie Spring Red													
AAC Crossfield®	14.9	14.7	13.5	14.9	12.1	13.1	13.7	13.9	11.0	14.7	13.4	13.4	13.7
AAC Entice®	14.2	14.7	13.3	14.8	12.5	13.1	13.6	15.0	11.3	15.1	13.7	14.2	12.7
AAC Goodwin®	14.4	15.7	13.8	15.0	12.8	13.7	14.1	13.9	11.9	15.5	14.1	13.8	14.1
SY Rowyn®	14.0	14.7	13.7	14.6	13.0	13.5	14.7	13.9	11.9	14.6	13.9	13.5	13.8
Canada Northern Hard Red													
AAC Concord®	13.6	15.5	13.5	16.0	13.4	14.3	13.8	14.9	11.6	15.8	15.3	13.6	15.2
Canada Western Special Purpose													
AAC Awesome VB®	12.0	12.7	10.9	11.9	10.6	11.5	11.9	12.1	9.6	11.6	12.7	11.0	11.6
Canada Western Soft White Spring													
AAC Paramount VB®	11.9	12.0	10.8	12.4	10.4	11.5	14.9	12.5	9.8	12.6	12.3	10.7	11.0
Varieties supported for registration by the PRCWRT													
BW1041®	15.4	—	—	14.9	13.5	—	—	—	—	16.0	—	—	15.7
HY2003 VB	14.7	15.5	14.5	15.8	13.2	13.8	14.4	15.3	11.9	14.4	14.3	13.4	14.5
PT650®	17.0	—	—	16.6	14.1	—	—	—	—	16.6	—	—	15.8
SITE GRAND MEAN (%)	14.7	15.3	14.0	15.2	12.9	13.6	14.3	14.6	11.8	15.3	14.4	13.6	14.6



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 - Detailed edible bean results
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DURUM WHEAT

Comments:

The varieties **AAC Raymore**, **AAC Stronghold**, **CDC Fortitude** and **AAC Cabri** have solid stems with resistance to the wheat stem sawfly.

Midge tolerant varieties are designated by the letters 'VB', which stands for Varietal Blend. The varieties contain the Sm1 gene for tolerance. To manage against the build-up of midge resistance to the gene, an interspersed refuge is used commercially. More information on midge tolerant wheat varieties and interspersed refuge can be found at www.midgetolerantwheat.ca

Variety Descriptions

Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 101 days	Height +/- 89 cm	Spike Awned	Resistance Level:									Fusarium	
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	Stripe Rust	Head Blight		
AAC Cabri	9	65	14.1	1	3	Y	G	F	MR	R	I	MR	R	R	MS		
AAC Congress	3	66	14.0	0	3	Y	G	F	MR	R	MS	MR	R	R	MS		
AAC Current	14	59	14.4	1	4	Y	G	P	MS	MR	I	R	R	MR	MS		
AAC Durafield	8	68	14.2	0	0	Y	G	F	S	R	I	R	R	MR	S		
AAC Marchwell VB	14	63	14.4	0	0	Y	G	P	MR	R	MS	R	R	R	MS		
AAC Raymore	14	62	14.4	0	0	Y	G	F	MS	MR	I	R	R	MR	S		
AAC Spitfire	11	65	14.3	0	-2	Y	VG	F	MS	R	MS	R	R	R	S		
AAC Stronghold	4	64	14.0	1	-2	Y	VG	G	R	I	I	R	R	MR	MS		
AAC Succeed VB	4	67	14.2	-1	1	Y	G	—	R	R	MS	MR	R	I	MS		
Brigade	29	72	13.3	2	6	Y	G	F	S	R	I	R	R	MR	MS		
CDC Alloy	9	67	13.8	0	4	Y	G	F	I	R	MS	MR	R	R	MS		
CDC Carbide VB	11	64	14.3	0	1	Y	G	P	MS	R	MS	R	R	R	MS		
CDC Credence	2	67	13.9	1	6	Y	G	F	MR	R	I	MR	R	MR	MS		
CDC Desire	6	59	14.1	-2	0	Y	G	G	MS	R	I	R	R	MR	S		
CDC Dynamic	9	66	14.4	0	2	Y	G	F	I	R	I	MR	R	MR	MS		
CDC Fortitude	14	66	14.2	1	-1	Y	VG	F	MS	R	MS	MR	R	R	MS		
CDC Precision	9	68	13.8	0	4	Y	G	F	MS	R	MS	MR	R	R	MS		
CDC Verona	21	64	14.1	2	1	Y	G	F	MS	R	MS	R	R	R	MS		
CDC Vivid	14	60	14.3	0	0	Y	VG	F	I	R	I	R	R	MR	S		
Enterprise	12	64	14.1	0	2	Y	F	G	MS	MR	I	R	R	R	MS		
Eurostar	23	67	13.9	2	4	Y	F	F	S	R	I	R	R	R	MS		
Strongfield	26	62	14.4	0	0	Y	G	F	S	MR	I	R	R	MR	S		
Transcend	20	66	14.0	2	5	Y	G	G	S	R	I	R	R	R	MS		
Varieties supported for registration by the PRCWRT																	
DT878	2	66	14.1	1	1	Y	G	—	R	R	MS	MR	R	R	MS		
DT881	2	68	13.9	1	-1	Y	G	—	R	R	I	R	R	I	MS		
GRAND MEAN		65	14.1														
LSD (0.05)		4	0.5														

¹ Leaf Spots rating is a combination of resistance to tan spot, spot blotch and septoria leaf disease complex.

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Yield Comparisons

Variety	2018 Yield (bu/acre)	
	Melita	Souris
AAC Cabri	72	87
AAC Current	64	84
AAC Marchwell VB	66	84
AAC Raymore	67	82
AAC Spitfire	73	98
AAC Stronghold	69	84
AAC Succeed VB	69	97
Brigade	73	101
CDC Alloy	69	96
CDC Carbide VB	65	96
CDC Dynamic	67	88
CDC Fortitude	65	96
CDC Precision	69	88
CDC Vivid	68	91
Transcend	72	86
Varieties supported for registration by the PRCWRT		
DT878	70	93
DT881	74	95
SITE GRAND MEAN (bu/acre)	69	91
CV %	4.3	4.2
LSD	5	6
Sign Diff	Yes	Yes
Seeding Date	02-May	15-May
Harvest Date	13-Aug	10-Sep

Protein Comparisons

Variety	2018 Protein (%)	
	Melita	Souris
AAC Cabri	11.7	—
AAC Current	13.4	12.7
AAC Marchwell VB	13.2	14.0
AAC Raymore	13.2	12.2
AAC Spitfire	12.4	12.7
AAC Stronghold	12.7	13.1
AAC Succeed VB	12.7	—
Brigade	11.5	12.0
CDC Alloy	12.4	11.5
CDC Carbide VB	12.9	12.8
CDC Dynamic	13.6	13.2
CDC Fortitude	13.4	12.4
CDC Precision	12.7	12.6
CDC Vivid	12.9	12.3
Transcend	12.5	12.8
Varieties supported for registration by the PRCWRT		
DT878	12.6	—
DT881	12.1	—
SITE GRAND MEAN (%)	12.7	12.6

WINTER WHEAT

Comments:

AAC Icefield is a hard white winter wheat with interim registration in the Canada Western Experimental class.

Accipiter, **Broadview**, **CDC Falcon** and **Peregrine** are hard red kernel types, **Sunrise** is a soft red kernel type, and **CDC Ptarmigan** is a soft white kernel type.

Emerson is rated Resistant (R) to Fusarium Head Blight (FHB). If disease pressure high, yield and/or quality can be reduced in R-rated varieties, due to FHB.

AAC Elevate has resistance to wheat curl mite, the vector that transmits wheat streak mosaic virus. To preserve the effectiveness of the tolerance gene, agronomic practices eliminating the 'green bridge' of plant material that serves as a reservoir for mites should be followed whenever possible.

Variety Descriptions

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Height +/- 75 cm	Spike Awned	Relative ¹ Maturity	Relative ² Winter Hardiness	Resistance Level:					Fusarium ³ Head Blight
								Lodging	Common Bunt	Stem Rust	Leaf Rust	Stripe Rust	
Canada Western Red Winter													
AAC Elevate☪	30	81	11.4	8	Y	M	G	VG	MR	MR	I	MS	I
AAC Gateway☪	35	82	12.0	2	Y	M	F	VG	S	MR	I	MR	I
AAC Goldrush☪	12	80	11.8	10	Y	M	VG	G	S	MR	R	I	I
AAC Wildfire☪	12	89	11.1	10	Y	L	VG	G	MR	S	I	R	MR
CDC Buteo	86	80	11.3	16	Y	M	VG	F	S	I	I	S	MR
CDC Chase	30	86	11.5	19	Y	M	F	F	S	R	R	MR	MS
Emerson☪	33	83	12.2	11	Y	M	G	VG	S	R	I	MR	R
Flourish☪	35	83	11.7	5	Y	E	F	VG	MR	I	I	I	S
McClintock	59	78	11.6	19	Y	L	F	VG	S	R	MR	—	S
Moats☪	35	84	11.7	16	Y	E	G	F	MS	R	R	MR	S
Canada Western Special Purpose													
Accipiter☪	36	84	11.0	9	Y	M	G	VG	S	R	MR	S	MS
Broadview☪	38	83	11.1	6	Y	E	G	G	S	R	R	S	S
CDC Falcon	103	79	11.4	0	Y	E	F	VG	S	MR	MR	S	S
CDC Ptarmigan	38	83	9.8	18	N	M	G	F	S	S	S	S	I
Peregrine☪	36	86	11.0	22	Y	M	VG	F	S	I	MR	MR	I
Sunrise	38	86	10.5	14	Y	M	G	G	S	MR	MR	MR	—
Canada Western Experimental													
AAC Icefield☪	12	87	11.0	5	Y	M	F	VG	S	R	MR	MR	I
Varieties supported for registration by the PRCWRT													
W520	23	90	11.2	8	Y	M	F	VG	I	R	R	R	I
W522	5	80	11.2	0	Y	E	F	G	S	R	R	I	I
GRAND MEAN (bu/acre)		83	11.3										
LSD (bu/acre) (0.05)		4	0.3										

1 Maturity ratings: E = Early, M = Medium and L = Late. CDC Falcon is considered an Early (E) maturing variety. Varieties plus 2 to 4 days compared to CDC Falcon would be Medium (M) maturing. Varieties greater than 4 days compared to CDC Falcon would be rated as Late (L) maturing.

2 All registered varieties have similar (good) winter hardiness if seeded at the optimum date into standing stubble where good snow cover can be assured. For the newer varieties, there is limited information currently available. As these varieties are grown on more acres, a better understanding of relative winter hardiness will follow.

3 FHB infection is highly influenced by genetics, environment and heading date. Under high levels of disease pressure, all varieties will experience yield and/or quality loss.

Yield Comparisons

Class/Variety	2018 Yield (bu/acre)				
	Arborg	Hamiota	Melita	Stonewall	Winnipeg
Canada Western Red Winter					
AAC Elevate	98	66	85	52	73
AAC Goldrush	85	63	83	54	72
AAC Wildfire	95	68	87	59	87
Emerson	81	68	78	58	64
Canada Western Experimental					
AAC Icefield	91	68	78	57	66
Varieties supported for registration by the PRCWRT					
W520	96	66	98	53	75
W522	94	47	83	54	72
SITE GRAND MEAN (bu/acre)	92	64	85	55	73
CV%	8.1	6.9	13.3	6.4	12.5
LSD (bu/acre)	—	6	—	—	—
Sig Diff	No	Yes	No	No	No
Seeding Date	11-Sep	15-Sep	13-Sep	13-Sep	30-Sep
Harvest Date	09-Aug	13-Sep	07-Aug	02-Aug	27-Aug

Protein Comparisons

Class/Variety	2018 Protein (%)				
	Arborg	Hamiota	Melita	Stonewall	Winnipeg
Canada Western Red Winter					
AAC Elevate	11.1	11.0	10.3	12.6	13.1
AAC Goldrush	12.5	11.6	10.7	12.4	14.1
AAC Wildfire	12.1	11.0	10.2	12.2	12.6
Emerson	13.1	12.3	11.0	13.5	15.5
Canada Western Experimental					
AAC Icefield	11.1	11.1	9.5	12.2	13.9
Varieties supported for registration by the PRCWRT					
W520	12.0	11.1	10.3	11.8	13.5
W522	11.5	11.3	10.5	12.4	13.0
SITE GRAND MEAN (%)	12.0	11.3	10.4	12.4	13.7

FALL RYE

New for 2019

Variety	Code	Breeder	Distributor	Seed Availability
KWS Daniello	RT225	KWS Lochow GMBH	SeedNet Inc.	2018
KWS Gatano	RT227	KWS Lochow GMBH	FP Genetics Inc.	2018

Comments:

The hybrid fall rye varieties **Brasetto**, **Guttino**, **KWS Bono**, **KWS Daniello**, and **KWS Gatano** have improved falling number. Typically, a falling number of 180 seconds or greater is preferred by the rye milling market. Falling number can be heavily influenced by moisture around harvest time.

Variety Descriptions

Variety	Site Years Tested	Yield bu/acre	Height +/- 104 cm	Relative ¹ Maturity	Falling Number (Seconds)	Resistance Level:		Relative Winter Hardiness
						Lodging	Ergot	
Danko	29	96	—	—	—	—	—	F
Hazlet	50	101	3	0	152	G	MS	VG
Prima	25	95	13	-3	204	F	MS	VG
Hybrid Fall Rye								
Brasetto	30	118	-7	0	248	VG	MS	VG
Guttino	30	122	-9	0	292	VG	MS	VG
KWS Bono	22	118	-8	0	265	VG	MS	VG
KWS Daniello	5	114	-7	0	272	G	I	VG
KWS Gatano	5	113	-7	0	268	G	I	VG
GRAND MEAN (bu/acre)		110						
LSD (bu/acre) (0.05)		5						

¹ Maturity ratings: Hazlet reaches maturity in approximately 219 days.

Yield Comparisons

Type/Variety	2018 Yield (bu/ac)				
	Arborg	Hamiota	Melita	Rosebank	Stonewall
Danko	79	70	82	64	53
Hazlet	80	76	92	67	59
Prima	65	75	87	58	54
Hybrid Fall Rye					
Brasetto	102	78	95	66	65
Guttino	113	81	105	78	67
KWS Bono	93	79	105	72	66
KWS Daniello	95	81	99	77	63
KWS Gatano	101	72	113	68	64
SITE GRAND MEAN (bu/acre)	91	77	97	69	61
CV%	6.0	4.1	4.2	8.6	4.6
LSD (bu/acre)	8	5	6	9	4
Sign Diff	Yes	Yes	Yes	Yes	Yes
Seeding Date	11-Sep	15-Sep	13-Sep	13-Sep	30-Sep
Harvest Date	09-Aug	13-Sep	07-Aug	02-Aug	27-Aug

Distributor Contacts for Listed Varieties in Seed Manitoba 2019

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.

BARLEY

Malting Acceptance - Recommended

AAC Connect (2)☺	CANTERRA SEEDS
AAC Synergy (2)☺	Syngenta Seeds Canada Inc.
AC Metcalfe (2)	SeCan
CDC Bow (2)☺	SeCan
CDC Copeland (2)☺	SeCan
Celebration (6W)☺	CANTERRA SEEDS
LEGACY (6W)	Proven Seed/FP Genetics
Tradition (6W)	Proven Seed/FP Genetics

Malting: Other

CDC Copper (2)☺	FP Genetics
CDC Fraser (2)☺	SeCan
CDC Goldstar (2)☺	CANTERRA SEEDS
CDC Kindersley (2)☺	SeCan
CDC Meredith (2)☺	SeCan
CDC Polarstar (2)☺	CANTERRA SEEDS
CDC PlatinumStar (2)☺	CANTERRA SEEDS
Bentley (2)☺	CANTERRA SEEDS
Lacey (6W)	Alliance Seed
Lowe☺	SeCan
Major (2)☺	Alliance Seed
Newdale (2)☺	FP Genetics
Sirish☺	Syngenta Seeds Canada Inc.
Stellar-ND (6W)	CANTERRA SEEDS

Food and Feed

AB Advantage☺	SeCan
AB Cattlelac (6)☺	Alliance Seed
AC Ranger (6F)	FP Genetics
Altorado☺	Proven Seed
Amisk (6)☺	SeCan
Brahma (2)☺	Proven Seed
Breton (6F)☺	Field Crop Development Centre
Canmore (2)☺	CANTERRA SEEDS
CDC Austenson (2)☺	SeCan
CDC Coalition (2)☺	CANTERRA SEEDS
CDC Cowboy (2F)☺	SeCan
CDC Maverick (2F)☺	SeCan
CDC YORKTON (6W)	CANTERRA SEEDS
Champion (2)☺	Proven Seed
Claymore (2)☺	Proven Seed
CONLON (2)☺	Seed Depot
Desperado (6F)☺	Alliance Seed
Gadsby (2)☺	SeCan
Muskwa (6)☺	SeedNet Inc.
Oreana (2)☺	Proven Seed
Sundre (6)☺	Mastin Seeds

Hulless

CDC Ascent (2)☺	SeCan
CDC Carter (2)☺	SeCan
CDC Clear (2)☺	SeCan

OATS

AAC Kongsore	Grain Millers
AAC Justice☺	FP Genetics
AC Morgan	SeCan
CDC Arborg☺	FP Genetics

OATS

CDC Big Brown☺	SeCan
CDC Dancer☺	FP Genetics
CDC Haymaker (F)☺	SeCan
CDC Minstrel☺	FP Genetics
CDC Morrison☺	CANTERRA SEEDS
CDC Norseman☺	SeCan
CDC Ruffian☺	FP Genetics
CS Camden☺	CANTERRA SEEDS
Furlong☺	CANTERRA SEEDS
HiFi☺	Seed Depot
Jordan☺	SeCan
Leggett☺	FP Genetics
ORe3541M☺	SeCan
ORe3542M☺	SeCan
Pinnacle☺	FP Genetics
Ronald☺	SeCan
Souris☺	Seed Depot
Stride☺	SeCan
Summit☺	FP Genetics
Triactor☺	CANTERRA SEEDS

Varieties being tested for adaptability in Western Canada

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Bradley☺	SeCan
Kara☺	La Coop Federee
Kyron☺	La Coop Federee

SPRING WHEAT

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AAC Bailey☺	CANTERRA SEEDS
AAC Brandon☺	SeCan
AAC Cameron VB☺	CANTERRA SEEDS
AAC Connery☺	CANTERRA SEEDS
AAC Elie☺	Alliance Seed
AAC Jatharia VB☺	SeCan
AAC LeRoy☺	Alliance Seed
AAC Magnet☺	FP Genetics
AAC Prevail VB☺	Alliance Seed
AAC Redberry☺	Alliance Seed
AAC Redwater☺	SeCan
AAC Starbuck VB☺	SeCan
AAC Tisdale☺	SeCan
AAC Viewfield☺	FP Genetics
AAC W1876☺	CANTERRA SEEDS
AAC Warman VB☺	SeCan
AAC Wheatland VB☺	SeCan
AC Domain	SeCan
Carberry☺	SeCan
Cardale☺	Seed Depot
CDC Adamant VB☺	FP Genetics
CDC Bradwell☺	SeCan
CDC Go	Proven Seed
CDC Hughes VB☺	Proven Seed
CDC Landmark VB☺	FP Genetics

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CDC Utmost VB🌾	FP Genetics
CDC VR Morris🌾	Proven Seed
Fieldstar VB🌾	SeCan
Glenn🌾	CANTERRA SEEDS
Goodeve VB🌾	Alliance Seed
Infinity🌾	CANTERRA SEEDS
Muchmore🌾	FP Genetics
Parata🌾	SeCan
Shaw VB🌾	SeCan
SY433🌾	Cargill Ltd.
SY479 VB🌾	Alliance Seed
SY Chert VB🌾	Syngenta Canada Inc.
SY Obsidian🌾	Syngenta Canada Inc.
SY Slate🌾	Syngenta Canada Inc.
SY Sovite🌾	Syngenta Canada Inc.
Thorsby🌾	CANTERRA SEEDS
Vesper VB🌾	SeCan
Waskada🌾	SeCan
WR859 CL🌾	Richardson Pioneer

Canada Prairie Spring Red

AAC Crossfield🌾	CANTERRA SEEDS
AAC Crusader🌾	CANTERRA SEEDS
AAC Entice🌾	Proven Seed
AAC Foray VB🌾	SeCan
AAC Goodwin🌾	SeCan
AAC Penhold🌾	SeCan
AAC Ryley🌾	SeCan
AAC Tenacious VB🌾	Alliance Seed
CDC Terrain🌾	FP Genetics
Enchant VB🌾	FP Genetics
SY Rowyn🌾	Alliance Seed

Canada Northern Hard Red

AAC Concord🌾	CANTERRA SEEDS
AAC Tradition🌾	SeCan
Elgin ND🌾	FP Genetics
Faller	Seed Depot
Harvest🌾	FP Genetics
KANE🌾	SeCan
Prosper🌾	Seed Depot
Unity VB🌾	SeCan

Canada Western Special Purpose

AAC Awesome VB🌾	SeCan
AAC Innova🌾	Alliance Seed
AAC NRG097🌾	CANTERRA SEEDS
AAC Proclaim🌾	FP Genetics
Alderon	SeCan
CDC Throttle🌾	Crop Development Centre
Charing VB🌾	SeCan
Pasteur	SeCan
Sparrow VB	SeCan
SY087🌾	United Suppliers Canada
WFT603	Western Feed Grains Development Co-op Ltd.

Canadian Western Hard White Spring

AAC Cirrus🌾	FP Genetics
AAC Iceberg🌾	Alliance Seed
AAC Whitefox🌾	SeCan
CDC Whitewood	SeCan
Snowstar🌾	SeCan
Whitehawk🌾	SeCan

Canada Western Soft White Spring

AAC Chiffon🌾	SeedNet Inc.
AAC Indus VB🌾	SeCan
AAC Paramount VB🌾	SeCan
AC Andrew	SeCan
Sadash VB🌾	SeCan

Canada Western Extra Strong

Burnside	Faurschou Farms Ltd. III
CDN Bison	Faurschou Farms Ltd. III
Glencross VB	Faurschou Farms Ltd. III

Canada Western Amber Durum

AAC Cabri🌾	SeCan
AAC Congress🌾	CANTERRA SEEDS
AAC Current🌾	Alliance Seed
AAC Durafield🌾	SeCan
AAC Marchwell VB🌾	SeCan

Canada Western Amber Durum

AAC Raymore🌾	SeCan
AAC Spitfire🌾	SeCan
AAC Stronghold🌾	SeCan
AAC Succeed VB🌾	FP Genetics
Brigade🌾	Proven Seed
CDC Alloy	FP Genetics
CDC Carbide VB🌾	Proven Seed
CDC Credence🌾	CANTERRA SEEDS
CDC Desire🌾	Syngenta Canada Inc.
CDC Dynamic🌾	Proven Seed
CDC Fortitude🌾	Proven Seed
CDC Precision🌾	Alliance Seed
CDC Verona🌾	Alliance Seed
CDC Vivid🌾	Proven Seed
Enterprise🌾	CANTERRA SEEDS
Eurostar🌾	SeCan
Strongfield🌾	SeCan
Transcend🌾	FP Genetics

WINTER WHEAT**Canada Western Red Winter**

AAC Elevate🌾	SeCan
AAC Gateway🌾	Seed Depot
AAC Goldrush🌾	FP Genetics
AAC Wildfire🌾	SeCan
CDC Buteo	SeCan
CDC Chase	CANTERRA SEEDS
Emerson🌾	CANTERRA SEEDS
Flourish🌾	SeCan
McClintock	CANTERRA SEEDS
Moats🌾	SeCan

Canada Western Special Purpose

Accipiter🌾	SeCan
Broadview🌾	CANTERRA SEEDS
CDC Falcon	SeCan
CDC Ptarmigan	Western Ag
Peregrine🌾	SeCan
Sunrise	Western Ag

Canada Western Experimental

AAC Icefield🌾	FP Genetics
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FALL RYE

Danko	FP Genetics
Hazlet	SeCan
Prima	SeCan

Hybrid Fall Rye

Brasetto	FP Genetics
Guttino	SeedNet Inc.
KWS Bono	FP Genetics
KWS Daniello	SeedNet Inc.
KWS Gatano	FP Genetics

DISTRIBUTOR**PHONE NUMBER**

A AFC - Brandon	1-204-578-6500
Alliance Seed	1-877-270-2890
CANTERRA SEEDS	1-866-744-4321
Cargill Ltd.	1-888-855-8558
Nutrien Ag Solutions/Proven Seed	1-855-569-9444
Crop Development Centre.....	1-306-966-5855
Department of Plant Sciences, U of S.....	1-306-966-5855
Faurschou Farms Ltd. III	1-204-274-2159
Field Crop Development Centre.....	1-403-782-8039
FP Genetics.....	1-877-791-1045
La Coop Federee	1-514-384-6450
Mastin Seeds.....	1-403-556-2609
Richardson Pioneer.....	1-204-934-5166
SeCan	1-800-665-7333
Seed Depot	1-204-825-2000
SeedNet Inc.....	1-403-715-9771
Syngenta Canada Inc.	1-877-964-3682
United Suppliers Canada	1-888-975-4769
Western Ag.....	1-844-435-9272
Western Feed Grains Development Co-op Ltd.	1-877-250-1552

Growers List



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AAC CONNECT☼

Decker; Murray, Donald H. & Ryan.....	204-764-2733	S F R
Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	R
Virden; Heaman, Douglas J., Walter, Robert, Kenneth & Brittany	204-748-7666	R

AC METCALFE

Binscarth; Cook, Gerry	204-532-2268	R
Binscarth; Pizzey, J. David.....	403-609-3588	R
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525	C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	R

CANMORE☼

Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	R
Warren; Riddell, Craig Thomas	204-227-5679	R

CDC AUSTENSON☼

Darlingford; Dudgeon, Gilbert Arthur.....	204-246-2357	C
Dauphin; Durston, Scott L.	204-638-5569	C
Dauphin; Kaleta, James & Debra	204-638-7800	C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	F R C
Inglis; Beischer, Derrick.....	204-564-2117	C
Mac Gregor; Hulme, Lorne.....	204-685-2627	R
Miniota; Walker, Alan Glen	204-567-3647	R C
Newdale; Wareham, L.B. Shayne	204-849-2112	R

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Oakville; Miller, Andrea & Chabot, Steven	204-267-2363	R
Plumas; Court, Randolph A. & Tracy L.....	204-386-2354	R
Plumas; Tonn, Todd	204-386-2206	S F R
Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....	204-355-4495	C
Ste. Rose Du Lac; Gamache, Ryan & Patrick.....	204-447-2118	C
Stonewall; Unger, Ronald K. & Darcy.....	204-467-8630	F C
Winkler; Ens, Abram E. & Chris & Friesen, Jake & Kenleigh	204-325-4658	C

CDC BOW☼

Binscarth; Pizzey, J. David.....	403-609-3588	C
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CDC COPELAND☼

Hamiota; Knight, Ronald M. & Jeff	204-764-2450	R
Virden; Heaman, Douglas J., Walter, Robert, Kenneth & Brittany	204-748-7666	C
Wawanesa; Ellis, Warren P. & Simon.....	204-824-2290	C

CDC MAVERICK☼

Crystal City; Buchanan, Kenneth S. & Dean K.....	204-873-2661	C
Inglis; Beischer, Derrick.....	204-564-2117	C

CELEBRATION☼

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C

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Mac Gregor; Hulme, Lorne.....	204-685-2627	C
Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	C
Ste. Rose Du Lac; Gamache, Ryan & Patrick.....	204-447-2118	R
Winnipeg; Rutherford, Shea	204-330-7662	R

CONLON☼

Grosse Isle; Rutherford, Rick	204-467-5613	C
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363	C
Pilot Mound; Seed Depot Corporation	204-825-2000	C
Pilot Mound; Smith, Walter George	204-825-2715	C
Plumas; Court, Randolph A. & Tracy L.....	204-386-2354	C
Portage La Prairie; Pugh, William G. & Victoria	204-274-2179	C
Rosenort; Friesen, Rick	204-746-8325	C
Somerset; Sierens, Joseph & Chris	204-744-2883	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....	204-355-4495	C

LACEY

Mac Gregor; Hulme, Lorne.....	204-685-2627	C
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NEWDALE☼

Russell; Woroneski, Frank M.....	204-773-3262	R
Souris; Kohut, David Anton	204-483-3063	R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....	204-355-4495	C

TRADITION

Winnipeg; James, David G.....	204-222-8785	C
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CDC ARBORG☼

Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	F
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CDC BALER

Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	F C
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CDC HAYMAKER☼

Carman; Menold, Ulrich & Lucas	204-745-2822	S F C
Crystal City; Buchanan, Kenneth S. & Dean K.....	204-873-2661	C
Dauphin; Durston, Scott L.	204-638-5569	R C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	C
Inglis; Beischer, Derrick	204-564-2117	C
Ste. Rose Du Lac; Gamache, Ryan & Patrick	204-447-2118	C
Swan River; Oberlin, George	204-734-2292	C
Warren; Riddell, Craig Thomas	204-227-5679	S F C
Winnipeg; James, David G.....	204-222-8785	C

CDC MORRISON☼

Morris; Mueller, Malte	204-746-2026	R
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CS CAMDEN☼

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	R C
Brandon; Wheat City Seeds Ltd.	204-727-3337	C
Carman; Krahn, Myron	204-745-1938	R
Decker; Murray, Donald H. & Ryan.....	204-764-2733	R
Dufrost; Catellier, Patrick Raymond.....	204-347-5503	C
Fannystelle; Nadeau, Brian	204-436-2469	C
Glenboro; Jefferies, Ron.....	204-827-2102	C
Homewood; Froebe, Bruce D. & Murray	204-745-6655	R C

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Mac Gregor; Hulme, Lorne.....	204-685-2627	C
Miniota; Walker, Alan Glen	204-567-3647	C
Morris; Dueck, Arthur	204-746-2026	C
Morris; Hamblin, David & Lorraine	204-746-4779	R
Morris; Hamblin, Donald & Bradley	204-209-0506	S F
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	R
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363	R
Pilot Mound; Wallace, Brad & Joe	204-825-2628	C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	C
Rosenort; Friesen, Rick	204-746-8325	C
Russell; Keating, Mark	204-773-3854	C
Sanford; Bergen, Edward Harry & Tim	204-736-2278	S F R C
Somerset; Sierens, Joseph & Chris	204-744-2883	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
St Francois Xavier; Jochum, Gunter	204-864-2834	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	F C
Virde; Heaman, Douglas J., Walter, Robert, Kenneth & Brittany	204-748-7666	F C
Warren; Riddell, Craig Thomas	204-227-5679	F
Wawanesa; Ellis, Warren P. & Simon	204-824-2290	C
Winkler; Ens, Abram E. & Chris & Friesen, Jake & Kenleigh	204-325-4658	C

FURLONG ☼

Mac Gregor; Hulme, Lorne.....	204-685-2627	C
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ORE3541M ☼

Arborg; Timchishen, Donald Victor & Darcy	204-641-1288	R
Carman; Menold, Ulrich & Lucas	204-745-2822	F
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525	R

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Fannystelle; Nadeau, Brian	204-436-2469	R
Homewood; Froebe, Bruce D. & Murray	204-745-6655	F
Notre Dame De Lourdes; Durand, Gabriel A. & Marc	204-248-2268	S F
Pilot Mound; Wallace, Brad & Joe	204-825-2628	S F
Portage La Prairie; Sanderson, Garry	204-857-8406	R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	R
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208	F
Rosenort; Friesen, Rick	204-746-8325	S
Warren; Riddell, Craig Thomas	204-227-5679	F
Winkler; Ens, Abram E. & Chris & Friesen, Jake & Kenleigh	204-325-4658	F

ORE3542M ☼

Altona; Wiebe, Henry D. & Lloyd	204-324-8036	S F R
Carman; Menold, Ulrich & Lucas	204-745-2822	F
Carman; Park, Robert J.	204-745-3304	F
Dauphin; Durston, Scott L.	204-638-5569	F
Dufrost; Catellier, Patrick Raymond	204-347-5503	R
Fannystelle; Nadeau, Brian	204-436-2469	R
Hazelridge; Saramaga, Robert P. & Andrew	204-771-0951	S F R
Homewood; Froebe, Bruce D. & Murray	204-745-6655	F
Notre Dame De Lourdes; Durand, Gabriel A. & Marc	204-248-2268	S F
Rosenort; Friesen, Rick	204-746-8325	S
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	R
Winkler; Ens, Abram E. & Chris & Friesen, Jake & Kenleigh	204-325-4658	F

PINNACLE ☼

Mac Gregor; Hulme, Lorne.....	204-685-2627	C
Rosser; Krym, Lynden	204-467-5143	R

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SOURIS☼

Mac Gregor; Hulme, Lorne.....	204-685-2627	C
Pilot Mound; Seed Depot Corporation	204-825-2000	C
Pilot Mound; Smith, Walter George	204-825-2715	C

SUMMIT☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	R C
Carman; Park, Robert J.....	204-745-3304	C
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525	C
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	S F R
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F R
Fannystelle; Nadeau, Brian	204-436-2469	R C
Grosse Isle; Rutherford, Rick	204-467-5613	R
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	C
Killarney; Chatham, Don, Linda & Cody.....	204-523-8412	C
Killarney; Hird, Steven	204-523-7464	C
Mac Gregor; Hulme, Lorne.....	204-685-2627	R
Minto; Ayre, Andrew	204-776-2333	C
Morris; Hamblin, David & Lorraine	204-746-4779	R
Newdale; Wareham, L.B. Shayne	204-849-2112	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	R
Pilot Mound; Smith, Walter George	204-825-2715	C
Plumas; Court, Randolph A. & Tracy L.....	204-386-2354	C
Rosenort; Friesen, Lloyd	204-746-8198	C
Rosenort; Friesen, Rick.....	204-746-8325	S F C

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Somerset; Sierens, Joseph & Chris	204-744-2883	S F R C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....	204-355-4495	C
Winnipeg; James, David G.....	204-222-8785	C

SPRING WHEAT

AAC ALIDA VB☉

Binscarth; Pizzey, Tim V.	204-683-2316	S F *
Foxwarren; Graham, George Arthur	204-683-2367	S *
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012	F *
Minto; Fraser, Rick G.....	204-776-2047	S *
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	S F *
Russel; Keating, Mark	204-773-3854	S F *
Solsgrith; Nickel, James D. & John H. & Kevin J. & J. Gordon	204-842-3757	F *

AAC BRANDON☼

Altona; Sawatzky, John.....	204-324-4018	C
Altona; Wiebe, Dylan	204-304-0048	C
Altona; Wiebe, Henry D. & Lloyd	204-324-8036	R C
Arborg; Timchishen, Donald Victor & Darcy	204-641-1288	R C
Baldur; Desrochers, David Oscar	204-535-2090	C
Binscarth; Cook, Gerry.....	204-532-2268	C
Binscarth; Pizzey, J. David.....	403-609-3588	R
Binscarth; Pizzey, Tim V.....	204-683-2316	R
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Boissevain; Latimer, Kevin B. & Duane E.....	204-534-8318	R
Brandon; Martens, David.....	204-728-5510	C
Brandon; Wheat City Seeds Ltd.	204-727-3337	C
Brandon; Whetter, Rodney & Darren.....	204-729-7059	F R C
Brunkild; Kaminsky, William.....	204-795-6507	C
Carman; Krahn, Myron	204-745-1938	C
Carman; Menold, Thomas	204-745-3377	C
Carman; Menold, Ulrich & Lucas	204-745-2822	S R
Carman; Park, Robert J.....	204-745-3304	C
Crandall; Doupe, Neil D.	204-562-3632	C
Cromer; Bartel, Blair.....	204-662-4484	C
Cromer; Bartel, Bob	204-662-4580	C
Cromer; Bartel, Patrick	204-662-4466	C
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525	C
Darlingford; Dudgeon, Gilbert Arthur.....	204-246-2357	C
Darlingford; Wilson, James M.....	204-246-2388	C
Dauphin; Fisher, Roderick Allan & Douglas James.....	204-622-8800	C
Dauphin; Kaleta, James & Debra	204-638-7800	C
Deloraine; Bolduc, Ronald & Bell, A.J. & J.C.....	204-747-2913	R C
Domain; Manness, Clayton.....	204-736-2922	R

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CPS WHEAT

AAC Penfold

Short, strong straw, high protein, very high yield

OATS

AC Stride

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Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F R C
Dufrost; Catellier, Patrick Raymond	204-347-5503	C
Elie; Lachance, J.B. Adrien & Paul M. & Lionel	204-353-2694	C
Fannystelle; Nadeau, Brian	204-436-2469	R
Foxwarren; Falloon, Larry	204-683-2247	R C
Foxwarren; Graham, George Arthur	204-683-2367	F C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	R C
Glenboro; Jefferies, Ron	204-827-2102	C
Grandview; Storey, R. Kip & Troy K.	204-546-2590	R C
Grosse Isle; Rutherford, Rick	204-467-5613	R
Hamiot; Knight, Ronald M. & Jeff	204-764-2450	C
Hazelridge; Saramaga, Robert P. & Andrew	204-771-0951	C
Holland; Patenaude, Donald & Robert	204-526-2391	C
Holland; Vigar, Murray & Gary	204-526-2108	R
Homewood; Froebe, Bruce D. & Murray	204-745-6655	R C
Kenton; Stevenson, Richard D.O. & Douglas	204-838-2696	C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012	C
Kenville; Carmichael, John A.	204-734-3913	C
Killarney; Chatham, Don, Linda & Cody	204-523-8412	C
Killarney; Hird, Steven	204-523-7464	C
Lowe Farm; Sawatzky, Matt	204-746-2187	C
Mac Gregor; Hulme, Lorne	204-685-2627	S F R
Manitou; Sanders, Andre O., Daniel & Dylan	204-242-2576	F C
Mather; Mc Lennan, Donald D.	204-529-2372	R
Miniota; Walker, Alan Glen	204-567-3647	R C
Minto; Ayre, Andrew	204-776-2333	C
Minto; Fraser, Rick G.	204-776-2047	R C
Morris; Hamblin, David & Lorraine	204-746-4779	C
Morris; Mueller, Malte	204-746-2026	R
Newdale; Wareham, L.B. Shayne	204-849-2112	C
Notre Dame De Lourdes; Durand, Gabriel A. & Marc	204-248-2268	C
Notre Dame De Lourdes; Durand, Leo	204-248-2372	C
Oak Bluff; Gousseau, Marcel E.	204-895-1357	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Oak River; Mc Lean, Eric	204-566-2422	S
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363	R C
Pilot Mound; Cavers, Landon	204-825-2012	C
Pilot Mound; Smith, Walter George	204-825-2715	C
Pilot Mound; Wallace, Brad & Joe	204-825-2628	C
Plum Coulee; Janzen, Ken & Ernie A.	204-829-7749	C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	C
Plumas; Tonn, Todd	204-386-2206	S F R
Portage La Prairie; Askin, Raymond T. & Jeffrey S.	204-274-2417	F R C
Portage La Prairie; Sanderson, Garry	204-857-8406	R C
Portage La Prairie; Sissons, Blye	204-857-7341	S F C
Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	C

SPRING WHEAT

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ☼ protected or pending under UPOV 1991; "*" listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

Rivers; Krahn, Abe M., Ronald J. & Robert A.	204-761-8702	R
Rivers; Redsper Ent. Ltd.	204-328-5346	C
Rosenort; Friesen, Rick	204-746-8325	R C
Rosburn; Mitchell, John	204-859-2431	R C
Sanford; Bergen, Edward Harry & Tim	204-736-2278	S F R
Solsgrith; Nickel, James D. & John H. & Kevin J. & J.Gordon	204-842-3757	C
Somerset; Sierens, Joseph & Chris	204-744-2883	S F C
Souris; Kohut, David Anton	204-483-3063	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
St. Claude; Rouire, Roland & Guy	204-379-2582	C
St. Joseph; Remillard, Aime J., Luc & Paul	204-737-2230	R
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208	R C
St. Leon; Pembina Co-Op	204-535-2598	R C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	R
Swan River; Oberlin, George	204-734-2292	C
Treherne; Stinson, Gary Donald	204-723-2319	C
Virde; Hutchison, Barry	204-851-6157	C
Warren; Jones, Gavin R.	204-322-5604	C
Warren; Riddell, Craig Thomas	204-827-5679	F R
Wawanesa; Ellis, Warren P. & Simon	204-824-2290	C
Winkler; Ens, Abram E. & Chris & Friesen, Jake & Kenleigh	204-325-4658	S R
Winnipeg; James, David G.	204-222-8785	C

AAC CAMERON VB☼

Dauphin; Kaleta, James & Debra	204-638-7800	C
Glenboro; Jefferies, Ron	204-827-2102	C
Grandview; Storey, R. Kip & Troy K.	204-546-2590	C
Morris; Hamblin, David & Lorraine	204-746-4779	C
Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	R C
Rivers; Redsper Ent. Ltd.	204-328-5346	C
Winnipeg; Canterra Seeds Ltd.	204-988-9750	C

AAC ELIE☼

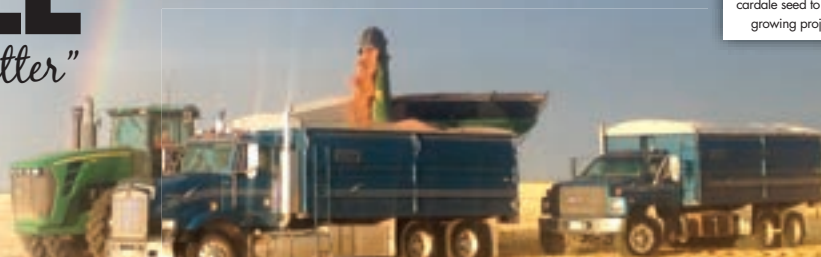
Altona; Fuchsmeier, Joni	204-324-3859	R
Altona; Sawatzky, John	204-324-4018	R
Binscarth; Pizzey, Tim V.	204-683-2316	R C
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	R C
Crandall; Doupe, Neil D.	204-562-3632	R C
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525	R
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	R
Elphinstone; Gerrard, Jody	204-759-2213	C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	C
Grosse Isle; Lefley, Glenn	204-467-2718	R C

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Holland; Kubinec, Anastasia.....	204-526-2776	C
Mather; Mc Lennan, Donald D.....	204-529-2372	C
Morris; Hamblin, David & Lorraine	204-746-4779	R
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	R
Plumas; Tonn, Todd	204-386-2206	R
Virden; Heaman, Douglas J., Walter, Robert, Kenneth & Brittany	204-748-7666	R C

AAC GOODWIN☼

Altona; Wiebe, Henry D. & Lloyd	204-324-8036	R
Decker; Murray, Donald H. & Ryan.....	204-764-2733	R
Hazelridge; Saramaga, Robert P. & Andrew	204-771-0951	S F R

AAC LEROY☼

Crystal City; Fallis, J. Allan & Mark A.	204-825-4525	S *
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AAC PENHOLD☼

Carman; Park, Robert J.....	204-745-3304	C
Glenora; Penner, Curtis.....	204-535-2100	S
Lowe Farm; Sawatzky, Matt.....	204-746-2187	F
Morris; Dueck, Arthur	204-746-2026	R

AAC REDBERRY☼

Baldur; Desrochers, David Oscar.....	204-535-2090	R C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525	S C
Darlingford; Wilson, James M.....	204-246-2388	F R C
Elphinstone; Gerrard, Jody.....	204-759-2213	C

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Foxwarren; Falloon, A. Scott.....	204-683-2347	R
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	R
Holland; Kubinec, Anastasia.....	204-526-2776	C
Mather; Mc Lennan, Donald D.....	204-529-2372	C
Miniota; Walker, Alan Glen	204-567-3647	R
St. Leon; Labossiere, Luc N. & Rejean F.....	204-744-2208	C

AAC REDWATER☼

Kenville; Carmichael, John A.....	204-734-3913	R
Russell; Keating, Mark.....	204-773-3854	R C
Solsgirth; Nickel, James D. & John H. & Kevin J. & J.Gordon	204-842-3757	C
St. Joseph; Agt Foods	306-525-4490	R

AAC TISDALE☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Crystal City; Buchanan, Kenneth S. & Dean K.....	204-873-2661	C
Darlingford; Wilson, James M.....	204-246-2388	C
Dauphin; Fisher, Roderick Allan & Douglas James.....	204-622-8800	C
Dauphin; Kaleta, James & Debra	204-638-7800	S R C
Dufrost; Catellier, Roger & Richard	204-746-4175	C
Elie; Lachance, J.B. Adrien & Paul M. & Lionel.....	204-353-2694	R C
Elphinstone; Gerrard, Jody.....	204-759-2213	C
Fannystelle; Nadeau, Brian	204-436-2469	C
Hazelridge; Saramaga, Robert P. & Andrew	204-771-0951	F R
Holland; Patenaude, Donald & Robert	204-526-2391	C
Homewood; Froebe, Bruce D. & Murray	204-745-6655	S C
Killarney; Hird, Steven	204-523-7464	C





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Miniota; Walker, Alan Glen	204-567-3647	C
Notre Dame De Lourdes; Durand, Leo	204-248-2372	S F C
Rivers; Redsper Ent. Ltd.	204-328-5346	R
Somerset; Sierens, Joseph & Chris	204-744-2883	F C
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208	S C
Ste. Rose Du Lac; Gamache, Ryan & Patrick	204-447-2118	C
Treherne; Stinson, Gary Donald	204-723-2319	C
Wawanesa; Ellis, Warren P. & Simon	204-824-2290	C
Winkler; Ens, Abram E. & Chris & Friesen, Jake & Kenleigh	204-325-4658	C

AAC VIEWFIELD☼

Baldur; Desrochers, David Oscar	204-535-2090	C
Binscarth; Pizzey, Tim V.	204-683-2316	C
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Carman; Park, Robert J.	204-745-3304	R
Cromer; Bartel, Blair	204-662-4484	R
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525	C
Dauphin; Fisher, Roderick Allan & Douglas James	204-622-8800	C
Dauphin; Kaleta, James & Debra	204-638-7800	F R
Decker; Murray, Donald H. & Ryan	204-764-2733	S F R
Domain; Johnson, David & Don	204-746-0275	R
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	S F R C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F R

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Elphinstone; Gerrard, Jody	204-759-2213	C
Fannystelle; Nadeau, Brian	204-436-2469	R
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	C
Grandview; Storey, R. Kip & Troy K.	204-546-2590	R
Grosse Isle; Rutherford, Rick	204-467-5613	R
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	C
Inglis; Beischer, Derrick	204-564-2117	C
Killarney; Hird, Steven	204-523-7464	R C
Mac Gregor; Hulme, Lorne	204-685-2627	R
Manitou; Sanders, Andre O., Daniel & Dylan	204-242-2576	F R
Minto; Ayre, Andrew	204-776-2333	R C
Minto; Ayre, Jake	204-534-5023	C
Newdale; Wareham, L.B. Shayne	204-849-2112	R
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	S F R
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363	R
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	R
Plumas; Tonn, Todd	204-386-2206	C
Portage La Prairie; Askin, Raymond T. & Jeffrey S.	204-274-2417	C
Rivers; Redsper Ent. Ltd.	204-328-5346	C
Rosenort; Friesen, Lloyd	204-746-8198	R
Rosenort; Friesen, Rick	204-746-8325	C
Russell; Keating, Mark	204-773-3854	C
Souris; Kohut, David Anton	204-483-3063	R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208	C
St. Leon; Pembina Co-Op	204-535-2598	R C
Swan River; Alford, Wayne G.	204-734-2526	R C

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AAC WARMAN VB☼

Russell; Keating, Mark.....204-773-3854 S F *

AC DOMAIN

Gilbert Plains; Tokar, Bob & Stoughton, Murray.....204-548-2805 C
Russell; Woroneski, Frank M.....204-773-3262 R
Swan River; Oberlin, George.....204-734-2292 C

CARDALE ☼

Glenora; Penner, Curtis.....204-535-2100 S
Homewood; Froebe, Bruce D. & Murray.....204-745-6655 C
Lowe Farm; Sawatzky, Matt.....204-746-2187 F
Mac Gregor; Hulme, Lorne.....204-685-2627 C
Notre Dame De Lourdes; Durand, Gabriel A. & Marc.....204-248-2268 C
Pilot Mound; Seed Depot Corporation.....204-825-2000 C
Portage La Prairie; Pugh, William G. & Victoria.....204-274-2179 R C
Rosenort; Friesen, Lloyd.....204-746-8198 R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....204-355-4495 C
Winnipeg; James, David G.....204-222-8785 C

CDC HUGHES VB☼

High River, AB; Nutrien Ag Solutions.....403-603-6011 S R C *

CDC LANDMARK VB☼

Binscarth; Pizze, Tim V.....204-683-2316 R C *
Boissevain; Froese, Wesley A.J. & Ian.....204-534-6846 R *
Domain; Manness, Ronald & Patricia & Graeme & Adeena.....204-736-2622 R *
Elphinstone; Gerrard, Jody.....204-759-2213 C *
Hamiota; Knight, Ronald M. & Jeff.....204-764-2450 C *
Inglis; Beischer, Derrick.....204-564-2117 C *
Kenton; Stevenson, Robert H. & Sidney H.....204-838-2012 C *
Oak River; Henry, Cameron & Mc Lean, Eric.....204-566-2422 R *
Rivers; Redsper Ent. Ltd.....204-328-5346 C *

SPRING WHEAT

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Russell; Keating, Mark.....204-773-3854 R C *
Somerset; Sierens, Joseph & Chris.....204-744-2883 R *
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....204-355-4495 C *
Swan River; Alford, Wayne G.....204-734-2526 R *

CDC PLENTIFUL ☼

Binscarth; Pizze, J. David.....403-609-3588 C
Binscarth; Pizze, Tim V.....204-683-2316 C
Grandview; Storey, R. Kip & Troy K.....204-546-2590 C
Killarney; Chatham, Don, Linda & Cody.....204-523-8412 C
Russell; Keating, Mark.....204-773-3854 C
Russell; Woroneski, Frank M.....204-773-3262 F R

CDC TITANIUM VB☼

High River, AB; Nutrien Ag Solutions.....403-603-6011 S R *

CDN BISON

Portage La Prairie; Faurischou, David & Glenn D.....204-327-5725 R

FALLER

Domain; Manness, Ronald & Patricia & Graeme & Adeena.....204-736-2622 C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom.....204-736-2849 C
Mac Gregor; Hulme, Lorne.....204-685-2627 C
Oak River; Henry, Cameron & Mc Lean, Eric.....204-566-2422 C
Oakville; Miller, Andrea & Ens, Chris & Hofer, Don & Chabot, Steven.....204-267-2363 C
Pilot Mound; Seed Depot Corporation.....204-825-2000 C
Pilot Mound; Smith, Walter George & Schroeder, David.....204-825-2715 C
Plum Coulee; Janzen, Ken & Ernie A.....204-829-7749 C
Winnipeg Beach; Dola, Randy.....204-389-5332 C

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PROSPER ☼

Pilot Mound; Seed Depot Corporation	204-825-2000	C
Pilot Mound; Smith, Walter George	204-825-2715	C
Solsgirth; Nickel, James D. & John H. & Kevin J. & J. Gordon	204-842-3757	C

SY OBSIDIAN ☼

Winnipeg; Richardson International Ltd.	204-934-5994	F R C
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SY ROWYN ☼

Crandall; Doupe, Neil D.	204-562-3632	C
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525	C
Darlingford; Wilson, James M.	204-246-2388	R
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F R
Elphinstone; Gerrard, Jody	204-759-2213	C
Grosse Isle; Rutherford, Rick	204-467-5613	R
Homewood; Froebe, Bruce D. & Murray	204-745-6655	C
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363	R
Rosenort; Friesen, Lloyd	204-746-8198	C
Rosenort; Friesen, Rick	204-746-8325	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C

SY SLATE ☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Carman; Krahn, Myron	204-745-1938	C

SY SOVITE ☼

Winnipeg; Richardson International Ltd.	204-934-5994	R C
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WINTER WHEAT

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AAC ELEVATE ☼

Plumas; Tonn, Todd	204-386-2206	C
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AAC GATEWAY ☼

Lowe Farm; Sawatzky, Matt	204-746-2187	C
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AAC WILDFIRE ☼

Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	C
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EMERSON ☼

Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	R
Mac Gregor; Hulme, Lorne	204-685-2627	R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C

FALL RYE

DANKO

Hamiota; Knight, Ronald M. & Jeff	204-764-2450	C
Souris; Kohut, David Anton	204-483-3063	F

HAZLET

Carman; Park, Robert J.	204-745-3304	R C
Dauphin; Durston, Scott L.	204-638-5569	R
Holland; Patenaude, Donald & Robert	204-526-2391	C



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Boissevain Select Seeds	204-534-6846	Lachance Seeds	204-353-2694	Rutherford Farms	204-467-5613
Catellier Seed Service	204-347-5588	LD Seeds	204-324-5798	R-Way Ag	866-398-9643
Clearview Acres	204-748-2666	Manness Seeds	204-736-2622	Seine River Seed Farm	204-355-4495
Court Seeds	204-386-2354	MB Seeds	204-746-4652	Southern Seed	204-776-2333
Durand Seeds	204-248-2268	Miller Agritec	204-267-2363	Timchishen Seeds	204-376-5116
Friesen Seeds	204-746-8325	New Gen Seed Service	204-274-2417	Unger Seed Farm	204-467-8630
Gerrard Family Seeds	204-365-0321	Pitura Seed Service	204-736-2849	Wheat City Seeds	204-727-3337
Hulme Agra Products	204-685-2627	Red River Seeds	204-746-4779	Wilson Seeds	204-246-2119



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Oilseed Crops

Variety Description Key

A "CHECK CHARACTERISTICS" is at the bottom of each table for mustard, 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 2018 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.

Soybean Comments

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



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Manitoba Agriculture Variety Guide

CANOLA

Comments:

Variety descriptions summarize the performance of varieties tested in the 2018 Canola Performance Trials (CPT). Data donated by the CPT Committee. For more information visit www.canolaperformancetrials.ca.

All varieties in the table below have a resistant rating for Blackleg. Lesions and yield loss can still occur, based on the level of incoulum, blackleg pathotype in the field, in combination with environmental conditions conducive for disease development.

Clubroot is a long-lived disease in the soil 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 fields. See page 55 for map indicating clubroot distribution in Manitoba.

Variety Description

Distributor	Name	LONG Season Zone (6 trials)				MID Season Zone (8 trials)				Disease ¹ Tolerance
		Yield (%L252)	Maturity (Days)	Lodging (1-5)	Height (inches)	Yield (%L252)	Maturity (Days)	Lodging (1-5)	Height (inches)	
	Clearfield									
Pioneer Hi-Bred	46H75	87	87	1	46	88	94	2	47	BL
BrettYoung	5545 CL	88	86	2	47	90	91	2	48	BL
CANTERRA SEEDS	CS2500 CL	88	86	1	47	84	90	2	47	BL
DL Seeds	DL1745CL	87	88	2	48	86	93	2	49	BL
Nutrien Ag Solutions	PV 200 CL	91	85	2	46	90	91	2	46	BL
	LSD (%)	11				10				
	Liberty Link									
BASF – InVigor	L230	95	84	1	45	95	89	2	44	BL
BASF – InVigor	L241C	94	85	1	45	94	90	2	45	BL/CR
BASF – InVigor	L252	100	85	1	45	100	91	2	46	BL
	LSD (%)	18				16				
	Roundup Ready									
Cargill – VICTORY	16RH5088	83	87	1	46	90	93	2	49	BL
Pioneer Hi-Bred	45CS40	92	85	2	47	90	91	2	48	BL/CR/S
Pioneer Hi-Bred	45H33	89	85	2	45	93	91	2	49	BL
Pioneer Hi-Bred	45M35	92	84	2	44	99	91	2	45	BL
BrettYoung	6074 RR	91	86	1	45	94	92	2	45	BL/S
BrettYoung	6076 CR	87	87	1	48	90	92	2	48	BL/CR/S
BrettYoung	6090 RR	84	89	2	51	89	93	2	51	BL/CR
DEKALB	74-44 BL	92	84	1	43	94	90	2	44	BL
DEKALB	75-42 CR	87	85	1	44	88	90	2	45	BL/CR
DEKALB	75-65 RR	92	83	1	43	88	89	2	44	BL
CANTERRA SEEDS	CS2000	88	85	2	45	90	90	2	46	BL/CR
CANTERRA SEEDS	CS2100	92	86	1	44	88	93	2	44	BL
CANTERRA SEEDS	CS2300	90	86	1	48	94	93	2	49	BL
BREVANT seeds	D3155C	93	85	2	46	93	91	2	49	BL
DL Seeds	DL1634RR	86	88	1	49	96	93	2	50	BL/CR
Nutrien Ag Solutions	PV 540 G	91	86	1	44	94	92	2	46	BL
Nutrien Ag Solutions	PV 581 GC	89	87	1	46	94	93	2	48	BL/CR
Cargill – VICTORY	V12-3	85	85	2	44	93	91	2	44	BL/CR
Cargill – VICTORY	V14-1	86	87	1	47	91	92	2	47	BL/CR
	LSD (%)	15				12				
CHECK MEAN L252 (bu/ac)		61				64				

* Indicates varieties with Specialty oil profiles and premiums associated with pricing. Visit www.canolaperformancetrials.ca for more details.

¹ Indicated genetic disease resistance with an "R" or resistant rating to BL=Blackleg, CR=Clubroot and improved tolerance to sclerotinia "S", as based on variety descriptions submitted to CFIA.

Data presented is based on harvest data received as of November 8, 2018.

CANOLA (continued)

Yield Comparisons

		2018 Yield (%L252)													
		LONG SEASON ZONE						MID SEASON ZONE							
Distributor	Name	Elie, MB	Elm Creek, MB	High Bluff, MB	Warren, MB	Outlook, SK	Redvers, SK	Alvena, SK	Dauphin, MB	Hague, SK	Killam, AB	Melfort, SK	Pike Lake, SK	St. Paul, AB	Swan River, MB
	Clearfield														
Pioneer Hi-Bred	46H75	87	105	92	81	79	81	90	92	77	84	101	88	69	102
BrettYoung	5545 CL	92	96	90	85	86	82	96	88	71	86	92	93	99	98
CANTERRA SEEDS	CS2500CL	93	94	87	87	78	86	90	82	77	86	93	77	82	84
DL Seeds	DL1745CL	83	93	93	83	77	91	99	83	75	87	91	90	73	88
Nutrien Ag Solutions	PV 200 CL	89	98	89	93	81	94	99	92	83	89	102	86	68	102
	LSD (%)	9	10	11	11	16	11	2	10	15	8	8	21	10	12
	Liberty Link														
BASF – InVigor	L230	96	96	96	99	84	100	89	92	92	91	99	103	100	97
BASF – InVigor	L241C	92	102	94	87	90	99	95	92	109	95	97	94	84	85
BASF – InVigor	L252	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	LSD (%)	16	19	3	31	20	21	6	11	48	10	15	10	36	9
	Roundup Ready														
Cargill – VICTORY	16RH5088	73	84	82	79	83	95	102	85	86	93	91	81	86	95
Pioneer Hi-Bred	45CS40	88	96	93	102	81	92	90	88	77	92	100	82	88	100
Pioneer Hi-Bred	45H33	92	91	86	93	79	95	100	90	86	87	105	92	84	104
Pioneer Hi-Bred	45M35	98	90	87	93	94	90	103	90	86	91	108	101	102	110
BrettYoung	6074 RR	100	83	92	94	91	85	100	96	86	91	112	88	74	106
BrettYoung	6076 CR	96	81	92	93	77	82	94	91	73	93	99	86	86	95
BrettYoung	6090 RR	88	85	86	79	88	76	95	88	74	90	91	78	89	105
DEKALB	74-44 BL	90	101	81	96	85	102	96	92	96	88	108	81	91	99
DEKALB	75-42 CR	89	84	85	89	77	96	90	90	76	86	102	84	84	91
DEKALB	75-65 RR	101	89	83	100	77	99	95	86	89	83	95	82	79	97
CANTERRA SEEDS	CS2000	90	87	93	90	82	88	96	85	84	86	101	86	77	103
CANTERRA SEEDS	CS2100	99	93	91	97	77	94	95	92	80	85	101	75	77	102
CANTERRA SEEDS	CS2300	95	89	82	85	90	101	110	95	86	93	105	79	79	106
BREVANT seeds	D3155C	99	92	91	96	83	97	94	88	74	91	100	90	97	107
DL Seeds	DL1634RR	90	78	95	84	87	78	104	96	79	93	104	85	92	110
Nutrien Ag Solutions	PV 540 G	98	94	93	98	79	82	100	94	80	99	108	82	88	105
Nutrien Ag Solutions	PV 581 GC	90	92	93	93	80	87	95	93	87	95	107	85	81	106
Cargill – VICTORY	V12-3	84	84	87	84	84	87	97	90	99	88	95	88	85	103
Cargill – VICTORY	V14-1	91	90	82	78	84	91	93	94	86	94	99	82	81	99
	LSD (%)	21	12	12	20	11	14	9	7	15	10	11	13	20	12
CHECK MEAN L252 (bu/ac)		68	65	55	41	86	48	59	73	25	69	62	56	86	80
GRAND MEAN (bu/ac)		59	56	46	65	68	41	53	62	20	58	56	46	69	75
CV%		13.1	8.2	8.0	10.1	9.1	9.9	5.9	6.0	10.8	7.6	7.9	8.7	12.4	8.7

* Indicates varieties with Specialty oil profiles and premiums associated with pricing. Visit www.canolaperformancetrials.ca for more details
Data presented is based on harvest data received as of November 8, 2018

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*Based on 2017 VICTORY Performance Trial results.

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CLUBROOT RESISTANT CANOLA VARIETY LISTING

Company	Hybrid	Herbicide Tolerance ¹	Clubroot Resistance	Blackleg Resistance	Pod Shatter Tolerance
BrettYoung	4187 RR	RR	R	R	
BrettYoung	6086 CR	RR	R	R	
BrettYoung	6076 CR	RR	R	R	
BrettYoung	6090 RR	RR	R	R	
BREVANT seeds	1024 RR	RR	R	R	
BREVANT seeds	1026 RR	RR	R	R	
BREVANT seeds	1028 RR	RR	R	R	
BREVANT seeds	2028 CL	CL	R	R	
BREVANT seeds	D3155C	RR	R	R	
Cargill – VICTORY	V12-3	RR	R	R	
Cargill – VICTORY	V14-1	RR	R	R	
CANTERRA SEEDS	CS2000	RR	R	R	
DEKALB	75-42 CR	RR	R	R	
BASF – InVigor	L135C	LL	R	R	
BASF – InVigor	L241C	LL	R	R	
BASF – InVigor	L234PC	LL	R	R	Yes
BASF – InVigor	L255PC	LL	R	R	Yes
BASF – InVigor	L258HPC	LL	R	R	Yes
Nutrien Ag Solutions	PV 580 GC	RR	R	R	
Nutrien Ag Solutions	PV 581 GC	RR	R	R	
Nutrien Ag Solutions	PV 585 GC	RR	R	R	
Nutrien Ag Solutions	VR 9562 GC	RR	R	R	
Pioneer Hi-Bred	45CS40	RR	R	R	
Pioneer Hi-Bred	45CM39	RR	R	R	Yes
Pioneer Hi-Bred	45H29	RR	R	R	
Pioneer Hi-Bred	45H33	RR	R	R	
Pioneer Hi-Bred	45H37	RR	R	R	

¹ Herbicide tolerance trait, LL = Liberty Link, RR = Roundup Ready, CL = Clearfield Herbicide System

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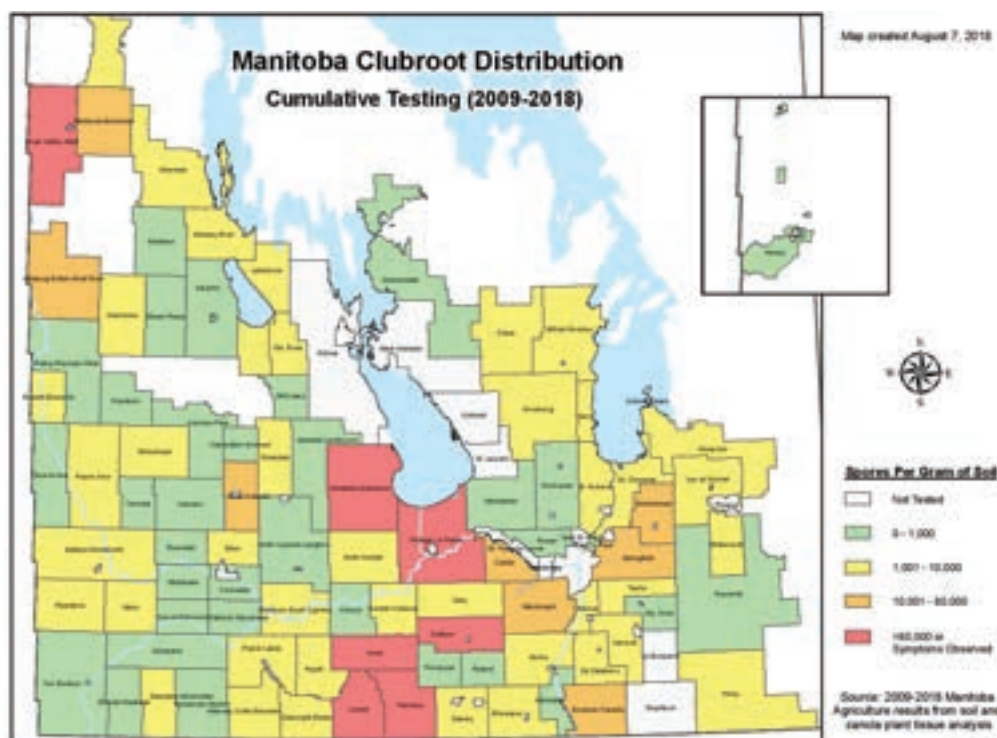
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FLAX

New for 2019

Variety	Code	Breeder	Distributor	Seed Availability
AAC Bright☼	FP2422	AAFC - Morden	SeCan	2019
AAC Marvelous☼	FP2401	AAFC - Morden	FP Genetics	2020
CDC Dorado☼	FP2432	Crop Development Centre	SeedNet	2019
CDC Rowland☼	FP2513	Crop Development Centre	SeCan	2022
Topaz☼	FP2457	Nutrien Ag Solutions	Alliance Seed	2019

Comments:

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

AC Emerson demonstrates the greatest tolerance to flax chlorosis.

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 +/- 27 inches	Seed Color	Seed Size TKW	Oil Quality ¹ :			Resistance Level:	
							Oil Content	Iodine Number	ALA Content	Lodging	Fusarium Wilt
AAC Bravo☼	26	33	1	0	brown	6.4	44.6	194.0	60.2	G	MR
AAC Bright☼	2	33	2	0	yellow	5.6	48.8	192.1	56.2	G	MR
AAC Marvelous☼	7	35	2	0	brown	5.8	47.1	192.1	55.8	G	MR
AAC Prairie Sunshine☼	9	34	3	1	brown	5.3	47.7	192.5	56.5	VG	MR
AC Emerson	30	32	-2	-1	brown	6.4	43.8	196.1	59.3	G	R
CDC Bethune☼	125	34	0	0	brown	5.8	45.6	188.6	54.7	G	MR
CDC Buryu☼	14	33	1	1	brown	5.9	45.3	189.9	54.6	G	MR
CDC Dorado☼	2	33	-1	2	yellow	5.9	46.6	206.6	65.8	FG	MR
CDC Glas☼	24	35	1	1	brown	5.2	45.8	192.0	56.6	G	MR
CDC Neela☼	24	34	1	1	brown	5.7	45.5	194.4	59.1	G	MR
CDC Plava☼	17	34	-2	-1	brown	5.7	46.5	195.5	57.2	G	MR
CDC Rowland☼	7	35	4	0	brown	6.8	45.2	195.1	59.2	G	MR
CDC Sanctuary☼	27	35	3	1	brown	5.8	45.6	190.7	57.2	G	MR
CDC Sorrel☼	56	34	1	1	brown	6.4	45.1	192.7	57.8	F	MR
Hanley☼	70	32	-2	-2	brown	5.7	44.7	197.7	58.6	VG	R
Lightning☼	40	33	1	-2	brown	6.0	47.6	192.5	56.1	G	MR
Prairie Blue☼	68	33	1	-1	brown	5.2	46.3	192.2	57.3	VG	MR
Prairie Grande☼	40	33	-2	-4	brown	5.8	45.6	192.9	57.5	G	MR
Prairie Sapphire☼	35	35	2	-1	brown	5.8	48.1	193.1	57.2	G	MR
Prairie Thunder☼	49	33	0	-3	brown	5.9	45.3	194.7	57.9	G	R
Taurus☼	39	33	0	-1	brown	5.6	45.6	187.0	53.9	VG	MR
Topaz☼	12	33	0	0	brown	5.8	45.9	188.2	54.4	G	MR
Vimy	4	32	1	0	brown	6.1	45.0	191.9	57.6	F	MR
VT50☼	17	33	4	-2	yellow	5.1	47.1	209.4	67.6	VG	MR
WestLin 60☼	13	32	-1	-2	brown	5.7	46.1	197.9	59.9	G	MR
WestLin 70	12	32	2	2	brown	6.4	45.8	194.5	61.9	G	MR
WestLin 71☼	15	34	2	-2	brown	5.6	47.5	198.1	61.2	G	MR
WestLin 72☼	17	33	3	-1	brown	5.4	47.0	192.8	57.0	VG	MR
GRAND MEAN (bu/ac)		34									
LSD (0.05)		1.9									

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	2018 Yield (bu/acre)	
	Arborg	Roblin
AAC Bravo☼	17	41
AAC Bright☼	16	38
AAC Marvelous☼	23	38
AAC Prairie Sunshine☼	23	36
CDC Bethune☼	19	36
CDC Buryu☼	23	39
CDC Dorado☼	17	36
CDC Plava☼	20	38
CDC Rowland☼	25	37
VT50☼	16	41
WestLin 72☼	15	37
SITE GRAND MEAN (bu/ac)		
	20	38
CV%	10.5	11.1
LSD (bu/ac)	4	—
Sign Diff	Yes	No
Seeding Date	22-May	22-May
Harvest Date	12-Oct	11-Oct

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SOYBEANS

NOTES FOR ALL SOYBEAN TABLES

Maturity Notes:

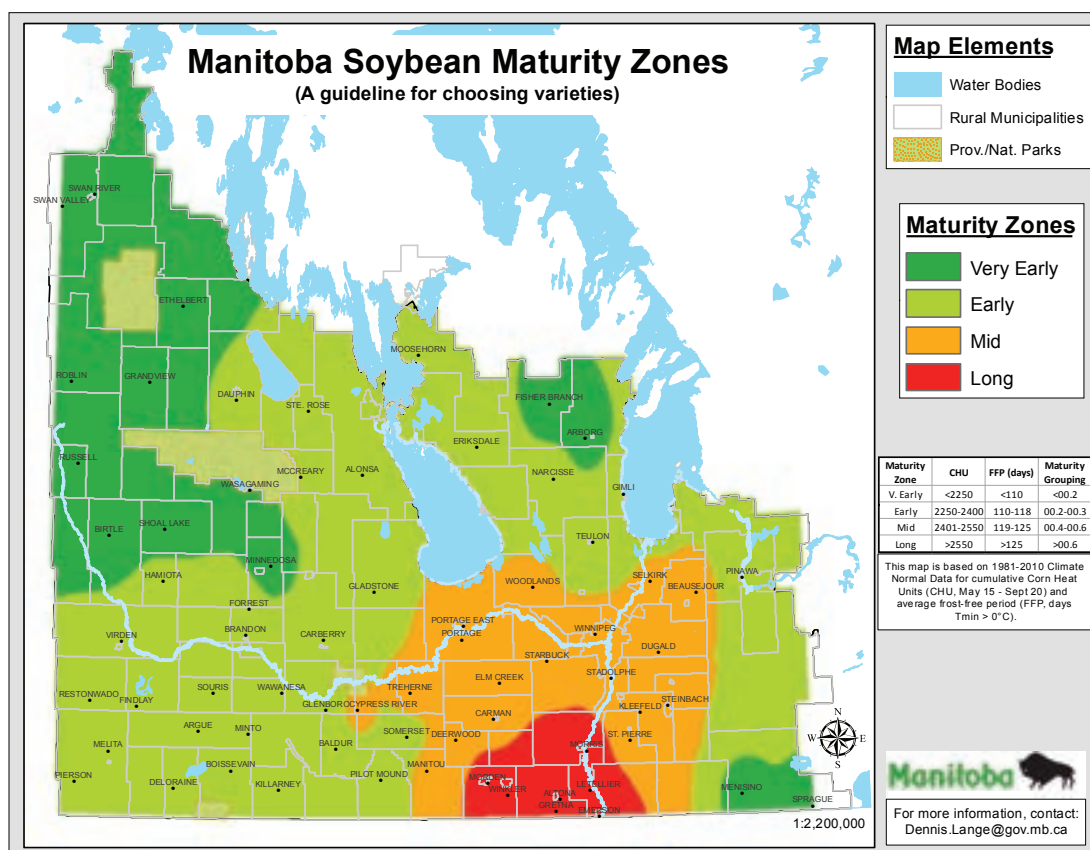
- 1 Soybean varieties have been organized into 4 maturity zones - very early, early, mid and long season areas.
- 2 Maturity grouping is a ranking of maturity provided by seed suppliers. Rankings are assigned to assist growers in selecting varieties suited for their area.
- 3 Relative days to maturity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



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WESTERN MANITOBA SOYBEAN TRIAL

Comments:

The Western Manitoba Soybean Variety trial data donated by the Manitoba Pulse & Soybean Growers

Variety Descriptions

Maturity Zone	Variety	Yield %	Site Years	Maturity days ¹	IDC ²		Resistance		2018 Yield % NSC Reston RR2Y				
		Check	Tested	+/- Check	Rating (1-5)	Grouping	SCN ³	PRR ⁴	Carberry	Dauphin	Hamiota	Melita	Swan River
Very	NSC Leroy RR2Y	84	15	-7	2.2	ST	—	—	95	83	88	89	86
Early	NocomaR20	96	10	-3	2.1	ST	—	1c	84	88	91	111	96
Season	S0009-M2	99	20	-2	2.0	ST	—	6	90	88	96	109	100
Zone	S0009-D6	96	10	-2	2.3	S	—	—	98	105	100	108	115
	NSC Watson RR2Y	97	20	-2	2.1	ST	—	6	95	91	91	95	117
Early Season Zone	PS 00095 R2	98	15	-1	1.7	T	—	—	101	106	105	112	117
	TH890005 R2XN	83	5	-1	1.8	ST	Yes	1c,1k	76	82	77	91	89
	TH 87000 R2X	87	10	-1	1.8	ST	—	—	81	104	87	88	92
	DKB0005-44	92	5	0	1.7	T	Yes	1c	99	88	88	95	91
	RX00218	104	5	0	1.9	ST	—	—	88	120	105	94	105
	Barron R2X	94	10	0	2.5	S	—	—	94	108	90	93	101
	P002A63R0	103	10	0	1.9	ST	—	1c	103	106	102	99	107
	NSC Reston RR2Y	100	30	0	2.6	S	—	1k	100	100	100	100	100
	LS TRI7XT	88	10	0	2.3	S	—	—	83	98	78	82	83
	Dario R2X	89	10	0	2.4	S	—	—	88	101	85	85	88
	PV 17s0007 R2X	87	5	1	1.7	T	Yes	1k	93	90	72	106	83
	LS TRI9R2Y	91	10	1	2.3	S	—	—	83	82	85	92	96
	PV 11s001 RR2	90	10	1	1.8	ST	—	1c	92	90	82	97	87
	RX Cedo	101	5	1	1.8	ST	—	—	99	103	98	95	104
	22-60RY	97	24	1	2.1	ST	Yes	1c	92	109	83	101	100
	S003-L3	104	15	1	2.0	ST	—	—	101	97	97	107	121
	Torro R2	98	10	2	2.2	ST	—	—	101	97	94	99	94
	PS 00078 XRN	94	5	2	2.0	ST	Yes	1c	84	92	88	104	102
	P002A19X0	93	5	2	1.6	T	—	1k	92	94	93	91	93
	RX000918	95	5	3	—	—	Yes	1c	101	83	91	87	107
	23-60RY	104	29	3	1.7	T	—	—	112	93	91	98	95
	NSC Melfort RR2X	92	5	3	1.9	ST	Yes	1k	91	87	85	89	102
	S006-W5	105	14	3	2.5	S	—	1a,3a	104	100	93	104	DNM
	Lassa R2X	91	5	3	2.1	ST	Yes	1c	92	87	91	101	89
	Notus R2	99	14	3	1.6	T	—	1c	99	96	103	104	103
	McLeod R2	104	29	3	1.8	ST	—	—	96	90	92	96	DNM
	PV 15s0009 R2X	102	4	4	1.9	ST	Yes	1c	107	105	90	110	DNM
	LS 001XT	105	5	4	1.8	ST	Yes	1k	114	126	95	93	96
	TH 87003 R2X	105	9	4	1.7	T	Yes	1c	101	100	98	91	DNM
	P005A27X0	107	5	4	1.8	ST	—	1c	117	110	102	97	107
	Mahony R2	106	23	4	2.9	S	—	—	100	95	108	103	DNM
	PS 0044 XRN	99	10	4	1.9	ST	Yes	1a,1k	102	106	98	83	91
	Kosmo R2	94	9	4	1.9	ST	—	—	101	99	101	85	DNM
Mid Season Zone	LS TRI8XT	96	5	5	—	—	Yes	1c	87	104	90	95	102
	DKB0009-89	98	5	5	1.7	T	Yes	1c,1k	100	108	99	93	92
	Akras R2	107	24	5	1.7	T	—	1k	104	107	109	103	103
	Sunna R2X	103	4	5	1.7	T	Yes	1c	112	117	88	93	DNM
	Foote R2	102	9	5	1.8	ST	—	1c	107	108	97	81	DNM
	P006T46R0	107	15	5	1.9	ST	—	1c	96	110	99	100	104
	DKB003-29	98	9	5	1.7	T	Yes	—	98	102	99	92	DNM
	Dylano R2X	93	9	5	2.3	S	—	1c,6	98	114	88	79	DNM
	PS 0035 NR2	104	29	5	1.9	ST	Yes	—	112	107	104	96	111
	S007-Y4	108	25	5	2.0	ST	—	1c	98	104	100	99	102
	NSC Newton RR2X	90	9	5	2.0	ST	—	—	96	92	88	93	DNM

Maturity		Yield %	Site Years	Maturity days ¹	IDC ²		Resistance		2018 Yield % NSC Reston RR2Y				
Zone	Variety	Check	Tested	+/- Check	Rating (1-5)	Grouping	SCN ³	PRR ⁴	Carberry	Dauphin	Hamiota	Melita	Swan River
Mid Season Zone	Prince R2X	93	4	5	1.8	ST	—	1k	88	105	86	93	DNM
	TH 33003R2Y	103	29	5	1.9	ST	—	1c	118	102	90	96	DNM
	Dugaldo R2X	98	4	6	2.3	S	—	1c,1a,6	101	104	98	85	DNM
	NSC Redvers RR2X	89	4	6	1.9	ST	—	—	94	81	85	100	DNM
	P006A37X0	114	4	6	1.8	ST	—	1c	110	127	112	102	DNM
	TH 37004 R2Y	104	14	6	1.8	ST	—	1c	99	103	89	89	DNM
	LS Solaire	104	14	6	2.3	S	Yes	1c,1k	91	114	106	93	DNM
	PV 16s004 R2X	98	4	7	1.9	ST	Yes	1k	103	98	103	82	DNM
	PV 10s005 RR2	108	9	7	1.8	ST	—	—	106	120	92	100	DNM
	DKB005-52	105	4	8	1.9	ST	Yes	1c	112	118	92	98	DNM
	B0067Z1	99	9	8	1.7	T	—	—	99	100	102	89	DNM
CHECK CHARACTERISTICS					NSC Reston RR2Y (bu/ac)				36	40	44	26	55
	NSC Reston RR2Y	51	30	119	CV%				8.8	9.8	5.0	8.2	5.4
		bu/acre	years	days	LSD%				14	16	8	13	9
					Sign Diff.				Yes	Yes	Yes	Yes	Yes
Seeding Date									22-May	20-May	23-May	23-May	22-May
Harvest Date									12-Oct	12-Oct	27-Sep	28-Sep	10-Oct

1 Maturity Rating average over multiple years and locations. Actual maturity will depend on seasonal growing conditions.

DNM-Varieties that Did not mature at the Swan River location

2 Iron Deficiency Chlorosis (IDC) Groupings; T=Tolerant, ST=Semi-Tolerant, S=Susceptible

3 SCN - Soybean Cyst Nematode Resistance

4 PRR - Phytophthora Resistant Genes



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EASTERN MANITOBA CONVENTIONAL SOYBEANS

Comments:

The Conventional Soybean variety trial data was donated by Manitoba Pulse & Soybean Growers

Variety Descriptions

Maturity Zone	Variety	Yield %	Site Years	Hilum Colour	Maturity (days) ¹	IDC ²	
		Check	Tested		+ / - of Check	Rating (1- 5)	Grouping
Early Season Zone	AAC Edward	104	35	IY	-5	1.8	ST
	Fjord	96	6	IY	-5	2.0	ST
	AAC Halli	101	28	Y	-2	2.3	S
	Experimental lines that are being tested / proposed for registration in Canada						
	CFS 18.60	106	6	Y	-6	1.6	T
	SVX17T000S1	96	9	IY	-5	2.1	ST
	OT 16-01	108	13	IY	-3	—	—
	CMSB13-ME	101	6	LB	-2	—	—
	OAC Prudence	100	125	Y	0	1.6	T
	Maxus	97	12	IY	0	2.1	ST
Mid Season Zone	OAC Carman	109	22	IY	0	1.8	ST
	Experimental lines that are being tested / proposed for registration in Canada						
	PR110524Z023	106	12	IY	-1	1.7	T
	OT 18-09	114	6	Y	-1	—	—
	OT 16-02	112	13	Y	-1	2.3	S
	SVX17T00S15	114	6	IY	0	2.1	ST
	CMSB13-SP	105	6	Y	0	—	—
	SC10-11.97	112	6	Y	2	—	—
	OAC Morden	106	36	Y	3	2.0	ST
	Kebek	100	6	Y	4	1.7	T
Long Season Zone	Meteor	100	6	IY	6	2.4	S
	DH401	99	6	IY	6	2.3	S
	Opus	103	12	IY	6	2.2	ST
	DH863	95	18	IY	7	2.2	ST
	Jari	108	22	IY	9	2.0	ST
	Astor	116	6	IY	12	1.6	T
	Panorama	113	6	Y	14	1.9	ST
	Experimental lines that are being tested / proposed for registration in Canada						
	SVX17T0S12	114	6	IY	3	1.7	T
	SVX16T00S2	111	15	IY	3	2.3	S
	OT 16-06	122	12	Y	4	2.4	S
	OT 18-10	109	6	Y	6	—	—
	OT 18-13	111	6	Y	6	—	—
	OT 18-01	122	6	Y	6	—	—
	OT 18-02	121	6	Y	7	—	—
	CFS18.1.01	102	6	Y	7	2.0	ST
	OT 18-12	122	6	Y	7	—	—
	OT 18-11	112	6	Y	8	—	—
	OT15-02	117	16	IY	8	2.5	S
	OT 18-14	135	6	Y	8	—	—
	OT 18-03	116	6	Y	8	—	—
	OAC 11-02C	110	17	Y	12	1.8	ST
CHECK CHARACTERISTICS							
OAC Prudence		48	125		115		
		bu/acre	site years		days		

1 Maturity Rating locations - Carman, Morris, Portage, St. Adolphe. Actual maturity will depend on seasonal growing conditions.

2 Iron Deficiency Chlorosis (IDC) Groupings; T=Tolerant, ST=Semi-Tolerant, S=Susceptible



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EASTERN MANITOBA CONVENTIONAL SOYBEANS (continued)

Yield Comparisons

		2018 Yield % of OAC Prudence								
		Early Sites		Core Sites				Late Sites		
Maturity Zone	Variety	Arborg	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank	
Early Season Zone	AAC Edward [®]	105	99	109	120	95	122	—	—	
	Fjord	80	88	98	115	87	113	—	—	
	AAC Halli [®]	110	104	103	115	101	121	—	—	
	Experimental lines that are being tested / proposed for registration in Canada									
	CFS 18.60	110	86	104	111	108	107	—	—	
	SVX17T000S1	84	89	111	107	93	112	—	—	
	OT 16-01	97	116	114	125	111	113	—	—	
	CMSB13-ME	—	—	112	107	90	100	99	95	
Mid Season Zone	OAC Prudence	100	100	100	100	100	100	100	100	
	Maxus	—	—	88	109	79	105	129	89	
	OAC Carman	—	—	119	107	112	119	126	103	
	Experimental lines that are being tested / proposed for registration in Canada									
	PR110524Z023	—	—	111	126	109	112	123	88	
	OT 18-09	103	125	114	118	111	129	—	—	
	OT 16-02	117	105	118	124	120	118	—	—	
	SVX17T00S15	110	103	111	120	115	125	—	—	
	CMSB13-SP	—	—	105	108	107	107	124	90	
	SC10-11.97	104	116	109	121	111	119	—	—	
Long Season Zone	OAC Morden [®]	—	—	108	101	110	118	115	113	
	Kebek	92	84	108	105	98	105	—	—	
	Meteor	89	107	107	103	92	113	—	—	
	DH401	95	94	93	98	104	112	—	—	
	Opus	—	—	104	93	89	116	90	106	
	DH863	—	—	99	100	97	114	123	101	
	Jari	105	107	112	110	107	119	—	—	
	Astor	—	—	116	117	109	97	148	119	
	Panorama	—	—	126	103	100	104	125	119	
	SVX17T0S12	114	119	109	117	113	121	—	—	
	SVX16T00S2	123	97	112	116	108	120	—	—	
	OT 16-06	—	—	112	118	119	132	145	133	
	OT 18-10	103	113	112	103	113	116	—	—	
	OT 18-13	—	—	114	108	109	119	114	106	
	OT 18-01	—	—	113	126	114	113	151	126	
	OT 18-02	—	—	105	108	120	130	152	128	
	CFS18.1.01	105	95	105	106	89	110	—	—	
	OT 18-12	—	—	132	113	116	120	153	106	
	OT 18-11	—	—	114	104	109	113	123	115	
	OT15-02	—	—	122	102	111	121	137	122	
OT 18-14	—	—	129	121	132	159	153	131		
OT 18-03	—	—	110	95	124	109	140	123		
	OAC 11-02C	—	—	109	110	98	98	135	109	
CHECK CHARACTERISTICS		OAC Prudence (bu/ac)	49	21	47	38	39	26	23	40
	CV%	7.5	10.8	7.4	6.3	7.0	6.8	13.3	10.3	
	LSD%	13	18	13	11	12	13	28	19	
	Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Seeding Date	16-May	27-May	25-May	16-May	25-May	12-May	17-May	17-May	
	Harvest Date	10-Oct	12-Oct	01-Oct	02-Oct	10-Oct	12-Sep	05-Sep	18-Sep	

WESTERN MANITOBA CONVENTIONAL SOYBEAN

Comments:

The Western Manitoba Conventional Soybean variety trial was tested and the data was donated by Manitoba Pulse & Soybean Growers

Variety Descriptions

Maturity Zone	Variety	Yield % Check	Site Years Tested	Hilum Colour	Maturity (days) ¹ + / - of Check	2018 Yield	
						% OAC Prudence Carberry	Melita
Early-Mid Season Zone	Alaska	90	2	IY	-2	87	92
	OAC Prudence	100	5	Y	0	100	100
	Maxus	94	2	IY	4	86	101
	Experimental lines that are being tested / proposed for registration in Canada						
	CMSB13-ME	100	2	LB	1	93	107
	CMSB13-SP	96	2	Y	1	94	98
	PR110524Z023	117	3	IY	0	110	109
CHECK CHARACTERISTICS						OAC Prudence (bu/ac)	33
OAC Prudence (bu/ac) 36						CV%	5.7
bu/acre						LSD%	10
site years						Sign Diff	Yes
						Seeding Date	22-May
						Harvest Date	12-Oct
							23-May
							27-Sep

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



PV10s005RR2

With strong agronomics and excellent disease resistance, this variety sets a new performance standard for western Canadian soybeans.




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EASTERN MANITOBA ROUNDUP READY SOYBEAN TRIAL

Variety Descriptions

Maturity			Yield	Site		Maturity	IDC ³		Resistance	
Zone	Variety	Type ¹	Check	Years Tested	Hilum Colour	(days) ² + / - of Check	Rating (1-5)	Grouping	SCN ⁴	PRR ⁵
Very Early Season Zone	TH890005 R2XN	R2X	87	6	BL	-12	1.8	ST	Yes	1c,1k
	S0007-B7X	R2X	90	6	BF	-10	1.7	T	—	1c
	Nocomar20	R2Y	95	12	BL	-9	2.1	ST	—	1c
	S0009-M2	R2Y	89	23	IY	-9	2.0	ST	—	6
	PS 00095 R2	R2Y	89	16	BL	-8	1.7	T	—	—
	P002A19X0	R2X	96	6	TN	-8	1.6	T	—	1k
	PS 00078 XRN	R2X	95	6	BL	-8	2.0	ST	Yes	1c
	Dayo R2X	R2X	94	6	BL	-8	1.6	T	Yes	1k
	NSC Watson RR2Y	R2Y	88	23	IY	-8	2.1	ST	—	6
Early Season Zone	S0009-D6	R2Y	97	12	IY	-7	2.3	S	—	—
	Devo R2X	R2X	97	6	BR	-7	1.9	ST	—	—
	PV 11s001 RR2	R2Y	93	12	Y	-6	1.8	ST	—	1c
	RX00218	R2X	90	6	BR	-6	1.9	ST	—	—
	Notus R2	R2Y	96	24	BL	-6	1.6	T	—	1c
	Torro R2	R2Y	96	23	BL	-5	2.2	ST	—	—
	RX Cedo	R2X	97	6	IY	-5	1.8	ST	—	—
	P002A63R0	RR1	101	12	TN	-4	1.9	ST	—	1c
	PV 15s0009 R2X	R2X	98	6	BL	-4	1.9	ST	Yes	1c
	S003-L3	R2Y	97	23	BR	-4	2.0	ST	—	—
	Lono R20	R2Y	105	30	Y	-4	2.0	ST	—	1k
	Dinero R2X	R2X	97	6	IY	-4	1.6	T	—	—
	LS 001XT	R2X	106	6	BL	-4	1.8	ST	Yes	1k
	23-60RY	R2Y	102	36	BL	-3	1.7	T	—	—
	P005A27X0	R2X	105	6	BR	-3	1.8	ST	—	1c
	Dario R2X	R2X	88	12	BR	-3	2.4	S	—	—
	S006-M4X	R2X	96	6	IY	-3	1.9	ST	—	1c
	S007-Y4	R2Y	105	36	IY	-3	2.0	ST	—	1c
	PS 0035 NR2	R2Y	100	30	BL	-3	1.9	ST	Yes	—
	P006T46R0	RR1	99	17	BR	-3	1.9	ST	—	1c
Mid Season Zone	Prince R2X	R2X	92	6	BL	-3	1.8	ST	—	1k
	Mahony R2	R2X	102	30	BL	-3	2.9	S	—	—
	Akras R2	R2X	105	41	BL	-3	1.7	T	—	1k
	S006-W5	R2X	107	20	IY	-2	2.5	S	—	1a,3a
	Foote R2	R2X	98	17	IY	-2	1.8	ST	—	1c
	Sunna R2X	R2X	103	6	GR	-2	1.7	T	Yes	1c
	TH 33005R2Y	R2Y	105	31	IB	-2	1.9	ST	—	1c
	24-10RY	R2X	102	50	BL	-1	1.9	ST	—	1k
	P007A90R0	RR1	100	11	BL	-1	1.8	ST	Yes	1c
	PS 0044 XRN	R2X	98	12	BL	-1	1.9	ST	Yes	1a,1k
	LS Solaire	R2Y	96	17	BL	-1	2.3	S	Yes	1c,1k
	Bourke R2X	R2X	107	6	BL	-1	1.8	ST	—	1k
	PS 0068 XR	R2X	103	4	BL	-1	1.7	T	—	1c
	DKB003-29	R2X	102	12	BL	-1	1.7	T	Yes	—
	P006A37X0	R2X	105	6	BR	-1	1.8	ST	—	1c
	TH 87003 R2X	R2X	104	12	BL	0	1.7	T	Yes	1c
	Gray R2	R2Y	99	37	BL	0	1.9	ST	—	1c
	NSC Newton RR2X	R2X	99	12	BR	0	2.0	ST	—	—
	TH 33003R2Y	R2Y	100	50	BR	0	1.9	ST	—	1c
	B0040L1	R2Y	93	6	BR	0	1.7	T	—	—
	TH 37004 R2Y	R2Y	100	17	BL	0	1.8	ST	—	1c
	Dugaldo R2X	R2X	98	9	IY	0	2.3	S	—	1c,1a,6
	NSC Sperling RR2Y	R2Y	105	6	IY	0	1.7	T	—	1a
	TH 34006R2Y	R2Y	105	20	BL	1	1.9	ST	—	1c
	Dylano R2X	R2X	90	12	GR	1	2.3	S	—	1c,6

Maturity			Yield %	Site Years	Hilum	Maturity (days) ²	IDC ³		Resistance	
Zone	Variety	Type ¹	Check	Tested	Colour	+ / - of Check	Rating (1-5)	Grouping	SCN ⁴	PRR ⁵
Mid Season Zone	PV 14s008 RR2	R2Y	96	4	IY	1	1.7	T	—	—
	LS 004XT	R2X	95	11	BL	1	1.9	ST	—	—
	DKB005-52	R2X	101	11	BL	1	1.9	ST	Yes	1c
	Barker R2X	R2X	102	9	BL	1	1.8	ST	Yes	1k
	RX Acron	R2X	103	4	BL	1	1.8	ST	—	—
	B0066L1	R2Y	91	4	Y	1	1.9	ST	Yes	1k
	TH 88008 R2X	R2X	106	10	BL	2	1.8	ST	Yes	1k
	S008-N2	R2Y	103	13	IY	2	1.7	T	—	—
	TH 88005R2XN	R2X	100	10	BL	2	1.8	ST	Yes	1c
	DKB006-99	R2X	102	4	BL	2	1.8	ST	Yes	3a
	LS Eclipse	R2X	106	12	BL	2	2.2	ST	Yes	1c
	P00A49X0	R2X	96	4	BR	2	1.7	T	Yes	1c
	B0067Z1	R2Y	102	15	TN	2	1.7	T	—	—
	PV 16s004 R2X	R2X	98	6	BL	2	1.9	ST	Yes	1k
TH 88007R2X	R2X	103	10	BL	2	1.9	ST	—	1c	
Long Season Zone	LS 006XT	R2X	99	9	BL	3	1.7	T	—	—
	RX00797	R2X	99	9	BL	3	1.7	T	Yes	1c
	LS 007XT	R2X	109	4	BL	3	1.9	ST	Yes	1c
	NSC Starbuck RRX2	R2X	101	12	BL	3	1.9	ST	Yes	1c
	NSC Greenridge RR2Y	R2Y	102	4	GR	3	1.8	ST	Yes	1c,3a
	PV 12s007 R2X	R2X	103	11	BL	3	1.8	ST	—	—
	NSC Jordan RR2Y	R2Y	105	8	BL	3	2.1	ST	—	1c
	DKB007-67	R2X	103	4	BL	3	1.7	T	Yes	3a
	PRO 2525R2	R2Y	106	26	BL	3	1.7	T	Yes	—
	PV 10s005 RR2	R2Y	108	11	BL	3	1.8	ST	—	—
	PS 0074 R2	R2Y	107	28	BR	3	1.7	T	—	—
	DKB006-29	R2X	102	9	BL	3	1.6	T	—	1k
	NSC Winkler RR2X	R2X	106	4	BL	4	1.8	ST	Yes	1c
	LS Mistral	R2Y	110	14	BL	4	1.7	T	—	1c
	Domingo R2X	R2X	97	9	IY	5	1.8	ST	—	1a,6
	PRO 03X74	R2X	107	4	BR	5	1.8	ST	—	1c
	Astro R2	R2Y	109	30	BL	5	1.7	T	—	1k
	Hydra R20	R2Y	103	16	BL	5	2.1	ST	—	—
	PRO 2535R2	R2Y	108	16	BL	6	1.7	T	Yes	1k
	Vidar R2X	R2X	100	6	BL	7	1.8	ST	Yes	1c
	Woden R2X	R2X	114	4	BL	9	1.7	T	Yes	1k
	RX0247	R2X	104	3	BL	12	1.6	T	Yes	1c
	PRO 2625 R2	R2Y	105	4	BL	13	1.7	T	Yes	—
	Experimental lines that are being tested / proposed for registration in Canada									
CHECK CHARACTERISTICS	CFS18.08 R2D	R2X	103	4	BL	5	2.0	ST	—	—
	EXP00918XR	R2X	108	4	BL	3	1.8	ST	—	1k
TH 33003R2Y		50	50		117					
		bu/acre	site years		days					

1 R2X -Xtend technology, R2Y-Roundup-Ready 2 technology, RR1 - Roundup Ready 1 technology

2 Maturity Rating locations - Carman, Morris, Portage, St. Adolphe. Actual maturity will depend on seasonal growing conditions.

3 Iron Deficiency Chlorosis (IDC) Groupings; T=Tolerant, ST=Semi-Tolerant, S=Susceptible

4 SCN - Soybean Cyst Nematode Resistance

5 PRR - Phytophthora Resistant Genes

EASTERN MANITOBA ROUNDUP READY SOYBEAN (continued)

Yield Comparison

Maturity Zone	Variety	2018 Yield: % TH 33003R2Y					
		Early Sites		Core Sites			
		Arborg	Stonewall	Carman	Morris	Portage	St. Adolphe
Very Early Season Zone	TH890005 R2XN	87	80	83	90	83	97
	S0007-B7X	91	83	97	86	87	89
	NocomaR20	92	94	104	94	99	92
	S0009-M2	87	104	88	81	93	96
	PS 00095 R2	105	103	96	78	105	82
	P002A19X0	93	92	100	96	100	88
	PS 00078 XRN	91	91	87	100	96	104
	Dayo R2X	89	75	109	94	90	94
	NSC Watson RR2Y	87	79	94	79	87	90
	S0009-D6	112	92	98	94	101	96
Early Season Zone	Devo R2X	100	97	98	94	95	96
	PV 11s001 RR2	102	93	84	95	90	93
	RX00218	98	98	80	79	97	95
	Notus R2	112	79	96	97	104	109
	Torro R2	106	103	97	100	108	101
	RX Cedo	104	82	84	104	101	98
	P002A63R0	111	87	107	100	100	99
	PV 15s0009 R2X	100	94	106	87	98	100
	S003-L3	113	113	100	98	104	95
	Lono R20	107	118	93	102	111	110
	Dinero R2X	97	97	106	91	104	86
	LS 001XT	105	101	106	104	114	98
	23-60RY	116	102	105	94	98	97
	P005A27X0	111	114	109	97	103	102
	Dario R2X	87	82	92	85	87	90
	S006-M4X	93	93	99	87	107	99
	S007-Y4	116	111	101	89	111	108
	PS 0035 NR2	102	103	99	96	106	105
	P006T46R0	103	98	107	84	112	96
	Prince R2X	100	66	95	92	97	88
Mid Season Zone	Mahony R2	111	109	102	92	102	100
	Akras R2	130	118	105	85	108	104
	S006-W5	99	99	90	94	95	97
	Footo R2	103	102	94	81	106	90
	Sunna R2X	105	98	98	106	108	99
	TH 33005R2Y	119	112	86	86	110	95
	24-10RY	111	95	113	83	105	90
	P007A90R0	117	88	97	82	106	99
	PS 0044 XRN	93	97	105	85	100	88
	LS Solaire	115	93	102	100	105	95
	Bourke R2X	111	109	114	98	105	102
	PS 0068 XR	—	—	99	102	111	98
	DKB003-29	98	118	110	88	100	101
	P006A37X0	98	113	109	96	112	110
	TH 87003 R2X	95	104	103	93	107	98
	Gray R2	—	—	99	85	102	95
	NSC Newton RR2X	96	102	83	102	102	93
	TH 33003R2Y	100	100	100	100	100	100
	B0040L1	92	86	94	96	94	91
	TH 37004 R2Y	110	98	107	97	108	93
	Dugaldo R2X	—	—	100	89	105	100
	NSC Sperling RR2Y	105	121	90	98	127	104
	TH 34006R2Y	—	—	109	96	113	94
	Dylano R2X	89	85	87	97	95	88

		2018 Yield: % TH 33003R2Y					
		Early Sites		Core Sites			
Maturity Zone	Variety	Arborg	Stonewall	Carman	Morris	Portage	St. Adolphe
Mid Season Zone	PV 14s008 RR2	—	—	105	77	112	88
	LS 004XT	98	98	88	78	104	86
	DKB005-52	90	94	99	96	94	92
	Barker R2X	—	—	110	81	113	95
	RX Acron	—	—	104	95	108	104
	B0067Z1	—	—	100	96	120	92
	TH 88008 R2X	—	—	105	120	109	104
	S008-N2	—	—	97	88	112	100
	TH 88005R2XN	—	—	107	86	99	106
	DKB006-99	—	—	105	107	97	94
	LS Eclipse	—	—	106	84	111	106
	P00A49X0	—	—	84	86	124	90
	B0066L1	—	—	78	90	109	92
	PV 16s004 R2X	105	113	103	80	102	94
Long Season Zone	TH 88007R2X	—	—	95	98	107	100
	LS 006XT	—	—	110	86	102	93
	RX00797	—	—	90	93	94	99
	LS 007XT	—	—	110	106	112	107
	NSC Starbuck RRX2	103	79	103	100	105	85
	NSC Greenridge RR2Y	—	—	101	106	101	100
	PV 12s007 R2X	106	107	101	98	104	104
	NSC Jordan RR2Y	—	—	117	85	113	93
	DKB007-67	—	—	108	97	104	100
	PRO 2525R2	—	—	109	90	106	95
	PV 10s005 RR2	115	120	103	101	128	98
	PS 0074 R2	—	—	102	99	124	99
	DKB006-29	—	—	100	94	107	102
	NSC Winkler RR2X	—	—	111	93	120	100
	LS Mistral	—	—	113	82	115	105
	Domingo R2X	—	—	104	92	102	89
	PRO 03X74	—	—	110	97	125	92
	Astro R2	—	—	101	108	116	104
	Hydra R20	—	—	110	83	107	95
	PRO 2535R2	—	—	116	92	106	101
	Vidar R2X	105	92	108	99	103	84
	Woden R2X	—	—	131	102	116	100
	RX0247	—	—	111	94	106	—
	PRO 2625 R2	—	—	126	101	106	75
Experimental lines that are being tested / proposed for registration in Canada							
	CFS18.08 R2D	—	—	91	100	122	101
	EXP00918XR	—	—	116	99	113	100
CHECK CHARACTERISTICS	TH 33003R2Y (bu/ac)	49	20	56	50	45	32
	CV%	9.3	11.7	12.5	8.3	7.1	8.3
	LSD%	15	18	20	12	12	13
	Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date		22-May	27-May	25-May	16-May	25-May	12-May
Harvest Date		12-Oct	12-Oct	01-Oct	02-Oct	09-Oct	12-Sep

SUNFLOWERS - NON-OIL TYPE

Comments:

These varieties were tested and data donated by the National Sunflower Association of Canada Inc. (NSAC).

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.

Variety Descriptions

Company	Hybrid	Genetic Traits ¹	Site Years	Yield % Check	Maturity (days to R9)	Height (inches)
NuSeed America	6946 DMR	DM	23	100	0	0
NuSeed America	Panther DMR	DM	31	99	1	-3
Experimental lines being tested/proposed for registration in Canada						
NuSeed America	NSKM53777	CL	6	92	6	-3
NSAC	EX 27441	ExSun	2	99	5	0
NSAC	EX 37444	ExSun	2	79	2	2
NSAC	EX 64588	ExSun	2	86	-1	4
CHECK CHARACTERISTICS						
	6946 DMR		23 site years	3177 lbs/ac	120 days	69 inches

1 Genetic traits include CL = Clearfield tolerance; ExSun = Express tolerance; DM = Downy Mildew Resistance.

Site Comparisons

Hybrid	Marquette			Melita		
	Yield (lb/ac)	Maturity* (days to R9)	Test Wt (lb/bu A)	Yield (lb/ac)	Maturity* (days to R9)	Test Wt (lb/bu A)
6946 DMR	1613	132	—	2582	119	24.9
Panther DMR	1648	134	—	3048	124	22.2
Experimental lines being tested/proposed for registration in Canada						
NSKM53777	1199	136	—	2000	133	18.3
EX 27441	1323	135	—	2819	125	21.6
EX 37444	1404	135	—	1909	119	21.2
EX 64588	1639	130	—	1985	119	21.5
Site Average (lb/ac)	1471	134	—	2391	123	21.6
CV%	10.8			11.7		
Sign Diff	Yes			Yes		
LSD (0.05)	290			525		
Planting Date	08-May			16-May		
Desiccation Date	12-Sep			25-Sep		
Harvest Date	12-Oct			22-Oct		

*Physiological maturity for sunflowers is R9, where the bracts on the head are almost completely brown.

At Carberry, heads were clipped and dried artificially for stationary combining.

At Melita, higher levels of basal stem rot present.

High pods and high yields. It's a match.

NOCOMA^{R2}

2250 CHU | 000.8 RM

SUNNA^{R2X}

2375 CHU | 00.3 RM

NOTUS^{R2}

2300 CHU | 00.1 RM

MANI^{R2X}

2425 CHU | 00.4 RM

AKRAS^{R2}

2375 CHU | 00.3 RM

LONO^{R2}

2450 CHU | 00.5 RM

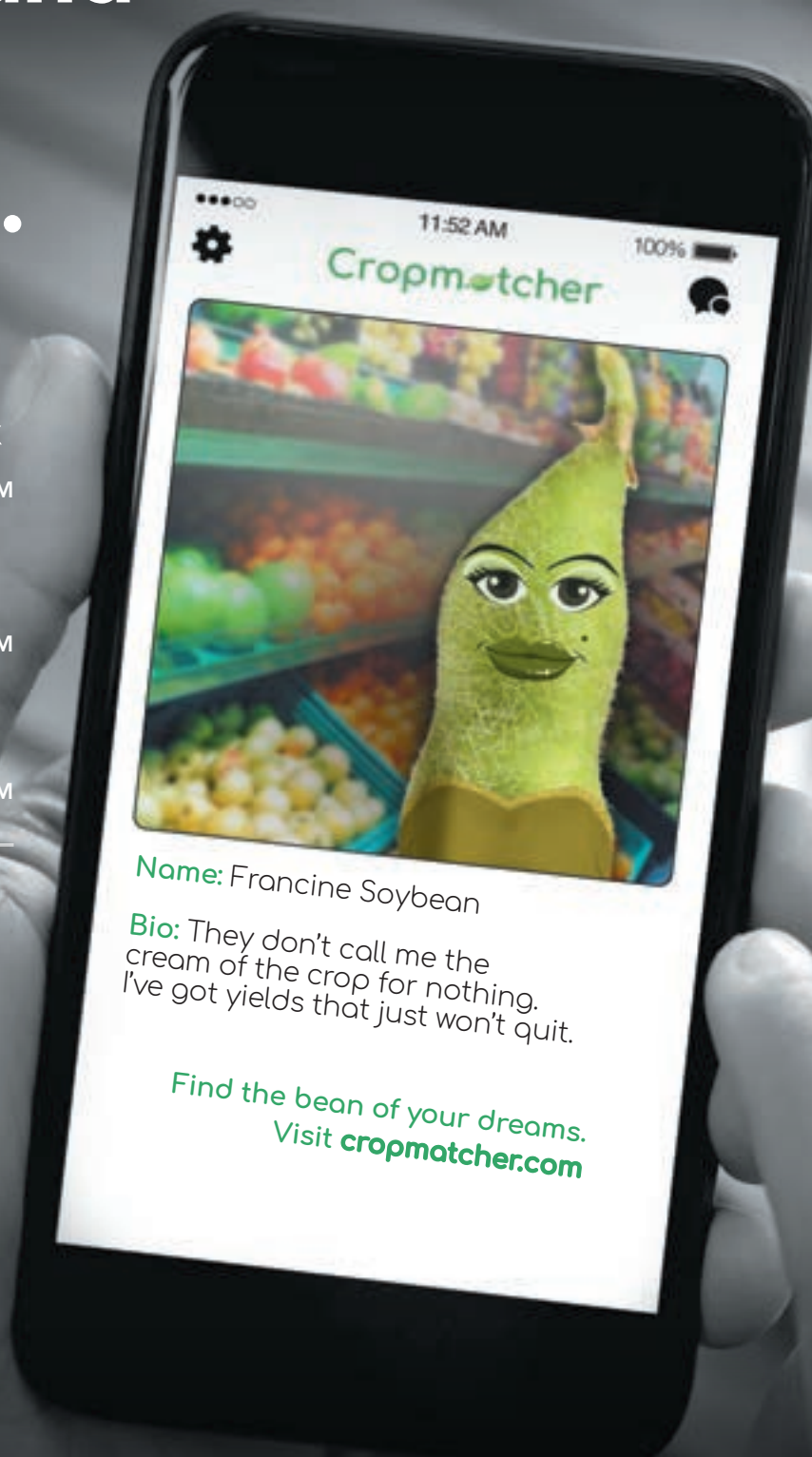
Developed by:



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SUNFLOWERS - OIL TYPE

Comments:

These varieties were tested and data donated by the National Sunflower Association of Canada Inc. (NSAC).

Oil Sunflower markets - include birdfood, oil crush and de-hull. Variety selection become 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.

Variety Descriptions

Company	Variety	Herbicide Tolerance	Site Years	YIELD		Maturity (days to R9)	Height (inches)	% Oil	Oil Type	Sizing (>16/64)	Test Wt (lb/bu A)
				% Check							
Dow Seeds	8H270CL	CL	7	91		-1	-6	44.9	HO	—	33.6
Dow Seeds	8H288CLDM	CL / DM	10	93		2	-5	47.1	HO	—	31.4
NuSeed America	N4HM354 DMR	CL / DM	10	105		-1	-2	45.9	NS	—	34.3
NuSeed America	Talon	ExSun	13	96		-1	-4	43.3	NS	—	29.5
Pioneer Hi-Bred	P63HE60	ExSun / DM	10	94		-2	0	43.9	HO	—	33.2
Pioneer Hi-Bred	P63ME70	ExSun / DM	15	100		0	0	45.6	NS	—	31.0
Pioneer Hi-Bred	P63ME80	ExSun / DM	15	94		1	0	45.5	NS	—	32.4
Experimental lines being tested/proposed for registration in Canada											
Dow Seeds	8H131CL	CL	13	92		-5	-10	—	HO	—	32.5
NuSeed America	N4HE302	ExSun	4	82		-4	3	44.0	HO	—	30.2
CHECK CHARACTERISTICS											
	P63ME70		15	3364		124	69				
			site years	lbs/ac		days	inches				

1 Genetic traits include CL = Clearfield tolerance; ExSun = Express tolerance; DM = Downy Mildew Resistance.

2 Oil Type include NS=NuSun; HO=High Oleic

Site Comparisons

Hybrid	Carberry			Rossendale			Marquette			Melita		
	Yield (lb/ac)	Maturity* (days to R9)	Test Wt (lb/bu A)	Yield (lb/ac)	Maturity* (days to R9)	Test Wt (lb/bu A)	Yield (lb/ac)	Maturity* (days to R9)	Test Wt (lb/bu A)	Yield (lb/ac)	Maturity* (days to R9)	Test Wt (lb/bu A)
8H270CL	3429	125	28.1	1847	129	35.2	1307	127	35.9	3678	134	31.4
8H288CLDM	3582	129	28.1	1958	131	34.4	1327	131	35.0	3231	141	28.1
N4HM354 DMR	4058	125	29.3	1860	131	37.9	1410	128	35.9	3787	132	30.7
Talon	4309	128	27.6	2049	130	31.4	1503	132	32.7	2886	126	26.8
P63HE60	3585	125	30.2	2072	129	38.2	1248	130	34.1	3438	131	29.6
P63ME70	4126	127	27.1	1980	128	34.8	1379	130	32.0	3864	136	28.0
P63ME80	3813	128	27.7	2006	130	36.7	1303	131	35.0	2864	130	28.6
Experimental lines being tested/proposed for registration in Canada												
8H131CL	3131	103	27.4	2002	129	35.3	1277	125	35.0	3539	125	32.4
N4HE302	4099	127	26.5	1975	130	32.8	1462	131	34.1	1727	119	26.9
Site Average (lb/ac)	3838	124	28.0	1988	130	35.2	1364	130	33.0	3167	130	28.9
CV%	8.7			5.7			5.9			12.2		
Sign Diff	Yes			No			Yes			Yes		
LSD (0.05)	577			—			139			689		
Planting Date	10-May			12-May			08-May			16-May		
Desiccation Date	—			18-Sep			12-Sep			25-Sep		
Harvest Date	—			17-Oct			12-Oct			22-Oct		

*Physiological maturity for sunflowers is R9, where the bracts on the head are almost completely brown.

At Carberry, heads were clipped and dried artificially for stationary combining.

At Melita, higher levels of basal stem rot present.

Distributor Contacts for Listed Varieties in Seed Manitoba 2019

Look up variety within the correct CROP KIND to find the company, then look for company phone number in the box at bottom of section.

CANOLA

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

FLAX

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

CONVENTIONAL SOYBEANS

Astor	Agriculture and Agri Food Canada
Jari	BrettYoung
AAC Halli☺	Interlake.org Inc.
OAC Carman	MAIZEX
Maxus	Quarry Seed Ltd.
Alaska	Quarry Seed Ltd.
Opus	Quarry Seed Ltd.
OAC Prudence	SeCan
AAC Edward☺	SeCan
OAC Morden	SeCan
Meteor	Sevita International
DH401	Sevita International
DH863	Sevita International
Panorama	Sevita International
Fjord	SG CERESCO
Kebeck	SG CERESCO

ROUNDUP READY SOYBEANS

Akras R2	BrettYoung
Hydra R2☺	BrettYoung
Lassa R2X	BrettYoung
Kosmo R2	BrettYoung
Lono R2☺	BrettYoung
Marduk R2X	BrettYoung
Nocomar2☺	BrettYoung
Notus R2	BrettYoung
Sunna R2X	BrettYoung
Vidar R2X	BrettYoung
Woden R2X	BrettYoung
Sunna R2X	BrettYoung
B0040L1	BREVANT seeds



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ROUNDUP READY SOYBEANS

B0066L1	BREVANT seeds
B0067Z1	BREVANT seeds
RX00218	CROPLAN
RX00797	CROPLAN
RX0247	CROPLAN
22-60RY	DEKALB
23-60RY	DEKALB
24-10RY	DEKALB
DKB0005-44	DEKALB
DKB0009-89	DEKALB
DKB003-29	DEKALB
DKB005-52	DEKALB
DKB006-29	DEKALB
DKB006-99	DEKALB
DKB007-67	DEKALB
LS 001XT	Delmar Commodities
LS 004XT	Delmar Commodities
LS 006XT	Delmar Commodities
LS 007XT	Delmar Commodities
LS Eclipse	Delmar Commodities
LS Mistral	Delmar Commodities
LS Solaire	Delmar Commodities
LS TRI7XT	Delmar Commodities
LS TRI9R2Y	Delmar Commodities
LS TRI8XT	Delmar Commodities
RX Acron	MAIZEX
RX Cedo	MAIZEX
NSC Leroy RR2Y	North Star Genetics Manitoba
NSC Melfort RR2X	North Star Genetics Manitoba
NSC Reston RR2Y	North Star Genetics Manitoba
NSC Greenridge RR2Y	Northstar Genetics Manitoba
NSC Jordan RR2Y	Northstar Genetics Manitoba
NSC Newton RR2X	Northstar Genetics Manitoba
NSC Redvers RR2X	Northstar Genetics Manitoba
NSC Sperling RR2Y	Northstar Genetics Manitoba
NSC Starbuck RRX2	Northstar Genetics Manitoba
NSC Watson RR2Y	Northstar Genetics Manitoba
NSC Winkler RR2X	Northstar Genetics Manitoba
PV 10s005 RR2	Nutrien Ag Solutions
PV 11s001 RR2	Nutrien Ag Solutions
PV 12s007 R2X	Nutrien Ag Solutions
PV 14s008 RR2	Nutrien Ag Solutions
PV 15s0009 R2X	Nutrien Ag Solutions
PV 16s004 R2X	Nutrien Ag Solutions
PV 17s0007 R2X	Nutrien Ag Solutions
P002A19X0	Pioneer Hi-Bred
P002A63R0	Pioneer Hi-Bred
P005A27X0	Pioneer Hi-Bred
P006A37X0	Pioneer Hi-Bred
P006T46R0	Pioneer Hi-Bred
P007A90R0	Pioneer Hi-Bred
P00A49X0	Pioneer Hi-Bred
PS 00078 XRN	PRIDE Seeds
PS 00095 R2	PRIDE Seeds
PS 0035 NR2	PRIDE Seeds
PS 0044 XRN	PRIDE Seeds
PS 0068 XR	PRIDE Seeds
PS 0074 R2	PRIDE Seeds
Dario R2X	Quarry Seed Ltd.
Dayo R2X	Quarry Seed Ltd.
Devo R2X	Quarry Seed Ltd.
Dinero R2X	Quarry Seed Ltd.
Domingo R2X	Quarry Seed Ltd.
Dugaldo R2X	Quarry Seed Ltd.
Dylano R2X	Quarry Seed Ltd.
Torro R2	Quarry Seed Ltd.
Barker R2X	SeCan
Barron R2X	SeCan
Bishop R2	SeCan
Bourke R2X	SeCan
Foote R2	SeCan
Gray R2	SeCan
Mahony R2	SeCan
McLeod R2	SeCan
Prince R2X	SeCan

ROUNDUP READY SOYBEANS

PRO 03X74	Sevita International
PRO 2525R2	Sevita International
PRO 2535R2	Sevita International
PRO 2625 R2	Sevita International
S0007-B7X	Syngenta Canada
S0009-D6	Syngenta Canada
S0009-M2	Syngenta Canada
S003-L3	Syngenta Canada
S006-M4X	Syngenta Canada
S006-W5	Syngenta Canada
S007-Y4	Syngenta Canada
S008-N2	Syngenta Canada
Astro R2	Thunder Seeds Canada
TH 33003R2Y	Thunder Seeds Canada
TH 33005R2Y	Thunder Seeds Canada
TH 34006R2Y	Thunder Seeds Canada
TH 37004 R2Y	Thunder Seeds Canada
TH 87000 R2X	Thunder Seeds Canada
TH 87003 R2X	Thunder Seeds Canada
TH 88005R2XN	Thunder Seeds Canada
TH 88007R2X	Thunder Seeds Canada
TH 88008 R2X	Thunder Seeds Canada
TH890005 R2XN	Thunder Seeds Canada

SUNFLOWERS

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

DISTRIBUTOR**PHONE NUMBER**

Agriculture and Agri Food Canada.....	1-613-759-1610
Alliance Seed	1-877-270-2890
BASF	1-877-371-2273
Bayer CropScience.....	1-888-283-6847
BrettYoung.....	1-800-665-5015
BREVANT seeds	1-800-265-7403
CANTERRA SEEDS	1-877-744-4321
Cargill Ltd.	1-888-855-8558
CHS Sunflower.....	1-701-484-5313
CROPLAN	1-306-249-5112
DEKALB	1-800-667-4944
Delmar Commodities.....	1-888-974-7246
FP Genetics.....	1-877-791-1045
Interlake.org Inc.....	1-204-641-0230
MAIZEX	1-519-682-1720
North Star Genetics Manitoba.....	1-204-262-2425
Nuseed Americas Inc	1-877-841-7447
Nutrien Ag Solutions	1-204-435-2063
Pioneer Hi-Bred.....	1-306- 385-3001
PRIDE Seeds	1-800-265-5280
Quarry Seed Ltd.....	1-888-274-9243
SeCan	1-800-665-7333
SeedNet	1-403-715-9771
Sevita International.....	1-613-989-5400
SG CERESCO	1-450-454-2727
Syngenta Canada Inc.....	1-877-964-3682
Thunder Seeds Canada	1-306 213 8888

Growers List



CANOLA

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ☼ protected or pending under UPOV 1991; "*" listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

1918		
Winnipeg; Canterra Seeds Ltd.	204-988-9750	C
6074 RR		
Morden; Adams, Jayson	204-781-8273	C
6090 RR		
Morden; Adams, Jayson	204-781-8273	C

FLAX

AAC BRAVO ☼		
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	F
AAC BRIGHT ☼		
Dufrost; Catellier, Roger & Richard	204-746-4175	C
AAC MARVELOUS ☼		
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	S
AC NUGGET ☼		
Oak Bank; Smith, Howard Grant & Greg	204-444-3908	C
CDC BETHUNE ☼		
Domain; Manness, Clayton	204-736-2922	C
Oak Lake; Smith, Gerald R. & Leigh E.	204-855-3128	C
CDC GLAS ☼		
Carman; Menold, Thomas	204-745-3377	R C
Crystal City; Buchanan, Kenneth S. & Dean K.	204-873-2661	C
Notre Dame De Lourdes; Durand, Gabriel A. & Marc ...	204-248-2268	S F R
Winkler; Ens, Abram E. & Chris & Friesen, Jake & Kenleigh	204-325-4658	C
CDC NEELA ☼		
Fannystelle; Nadeau, Brian	204-436-2469	R C
Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	C
CDC PLAVA ☼		
Carman; Menold, Thomas	204-745-3377	F
Foxwarren; Graham, George Arthur	204-683-2367	R
CDC SORREL ☼		
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C
Dauphin; Kaleta, James & Debra	204-638-7800	C
Portage La Prairie; Pugh, William G. & Victoria	204-274-2179	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	C
Wawanesa; Ellis, Warren P. & Simon	204-824-2290	C
PRAIRIE SAPPHIRE ☼		
Elphinstone; Gerrard, Jody	204-759-2213	C
TOPAZ ☼		
Elphinstone; Gerrard, Jody	204-759-2213	R
VT50		
High River, AB; Nutrien Ag Solutions	403-603-6011	F R

MUSTARD

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CUTLASS		
Binscarth; Pizzey, Tim V.	204-683-2316	F

SOYBEANS

0066 XR		
Chattam, ON; Pride Seeds	519-354-3210	F R
22-60RY		
Tillsonburg, ON; Monsanto Canada	519-688-9888	S F R C
23-11RY		
Tillsonburg, ON; Monsanto Canada	519-688-9888	S F C
23-60RY		
Tillsonburg, ON; Monsanto Canada	519-688-9888	S F R C
24-10RY		
Tillsonburg, ON; Monsanto Canada	519-688-9888	R

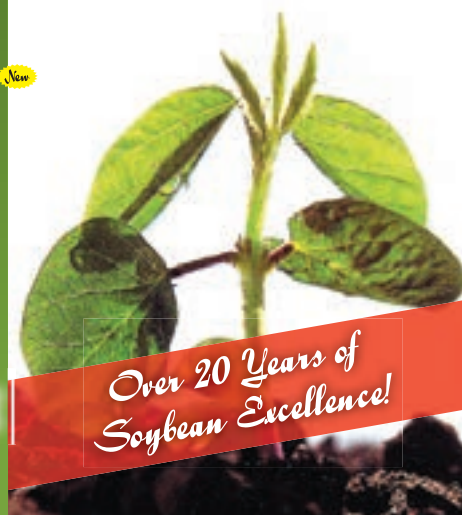
Wheat
AAC Brandon
AAC Tisdale
Cardale
SY Rowyn

Oats
Souris
CS Camden
Secan 41 + 42M View

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Jeanie Van Workum or John Fox SALES
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SOYBEANS

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25-10RY				
Tillsonburg, ON; Monsanto Canada	519-688-9888	S	R	C
AAC HALLI☼				
Arborg; Johnson, Reginald H., James G. & Tim G.	204-642-2570	F		
AAC SPRINGFIELD☼				
Oak Bank; Kyle, Lorne C. & C. Angus	204-822-4396	F		
AKRAS R2				
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495		R	
St. Norbert; Brett-Young Seeds Limited	204-261-7932	S	F	C
ALASKA				
Stonewall; Quarry Seed Ltd.	204-467-8877		R	
ASTRO R2				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011	S	F	R
B0040L1				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	F		
B0064S1				
Chatham, ON; Pioneer Hi-Bred	800-265-0554		R	
BARKER R2X				
Carman; Park, Robert J.	204-745-3304		C	
Dufrost; Catellier, Patrick	204-347-5588		C	
Oak Bluff; Anseeuw, Mark J.	204-895-8375		R	C
Portage La Prairie; Askin, Raymond T. & Jeffrey S.	204-274-2417	S	F	R
Winnipeg; James, David G.	204-222-8785		R	
BISHOP R2				
Arborg; Timchishen, Donald Victor & Darcy	204-641-1288		C	
BOURKE R2X				
Warren; Riddell, Craig Thomas	204-227-5679	F		
DARIO R2X				
Stonewall; Quarry Seed Ltd.	204-467-8877	S	R	C
DAYO R2X				
Stonewall; Quarry Seed Ltd.	204-467-8877	S	R	
DEVO R2X				
Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	
DH863				
Winnipeg; Cloutier, Denis C.	204-261-4532		R	
DINERO R2X				
Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	
DKB0005-44				
Tillsonburg, ON; Monsanto Canada	519-688-9888	S	F	R
DKB0009-89				
Tillsonburg, ON; Monsanto Canada	519-688-9888	S	F	R
DKB0003-29				
Tillsonburg, ON; Monsanto Canada	519-688-9888	S	F	R
DKB0005-52				
Tillsonburg, ON; Monsanto Canada	519-688-9888	S	F	R
DKB006-29				
Tillsonburg, ON; Monsanto Canada	519-688-9888	S	F	C
DKB006-99				
Tillsonburg, ON; Monsanto Canada	519-688-9888	S	R	

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DKB007-67				
Tillsonburg, ON; Monsanto Canada	519-688-9888	S	F	R
DOMINGO R2X				
Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	
DS0067Z1				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	S	F	R
DUGALDO R2X				
Horndean; Siemens, Lavern	204-829-3560			C
Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	C
DYLANO R2X				
Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	C
FISHER R2X				
Dauphin; Kaleta, James & Debra	204-638-7800			R
Ste. Rose Du Lac; Gamache, Ryan & Patrick	204-447-2118			R
Wawanesa; Ellis, Warren P. & Simon	204-824-2290	S		R
FOOTE R2				
Brandon; Wheat City Seeds Ltd.	204-727-3337	F		C
Darlingford; Wilson, James M.	204-246-2388	S	F	C
Dauphin; Kaleta, James & Debra	204-638-7800			C
Portage La Prairie; Pugh, William G. & Victoria	204-274-2179			C
Rivers; Redsper Ent. Ltd.	204-328-5346			R
GRAY R2				
Carman; Park, Robert J.	204-745-3304	S		R
Portage La Prairie; Askin, Raymond T. & Jeffrey S.	204-274-2417			R
KOSMO R2				
Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	C
LASSA R2X				
St. Norbert; Brett-Young Seeds Limited	204-261-7932	S	F	R
LONO R2☼				
St. Norbert; Brett-Young Seeds Limited	204-261-7932	S	F	R
LS 001XT				
Winkler; Delmar Commodity Ltd. (Mb Acct)			S	F
LS 004XT				
Winkler; Delmar Commodity Ltd. (Mb Acct)			F	R
LS 006XT				
Winkler; Delmar Commodity Ltd. (Mb Acct)			S	F
LS 007XT				
Winkler; Delmar Commodity Ltd. (Mb Acct)			S	F
LS ECLIPSE				
Winkler; Delmar Commodity Ltd. (Mb Acct)			S	F
LS MISTRAL				
Winkler; Delmar Commodity Ltd. (Mb Acct)			S	F
LS SOLAIRE				
Winkler; Delmar Commodity Ltd. (Mb Acct)			S	F
LS TRI7XT				
Winkler; Delmar Commodity Ltd. (Mb Acct)			S	F
LS 003R24N				
Winkler; Delmar Commodity Ltd. (Mb Acct)			S	F

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LS TRI9R2Y

Winkler; Delmar Commodity Ltd. (Mb Acct) R

MAHEO R2

Ste. Rose Du Lac; Gamache, Ryan & Patrick C

MAHONY R2

Arborg; Timchishen, Donald Victor & Darcy R C
Boissevain; Armstrong, Duncan T. & A.J. R C
Brandon; Wheat City Seeds Ltd. R C
Crystal City; Fallis, J. Allan & Mark A. R
Dauphin; Kaleta, James & Debra R
Kenton; Stevenson, Robert H. & Sidney H. C
Miniota; Walker, Alan Glen R C
Oak River; Henry, Cameron & Mc Lean, Eric R
Oakville; Miller, Andrea & Chabot, Steven R
Portage La Prairie; Askin, Raymond T. & Jeffrey S. R
Rivers; Redspen Ent. Ltd. R
Solsgirth; Nickel, James D. & John H. & Kevin J. & J.Gordon C
Virden; Heaman, Douglas J., Walter, Robert, Kenneth & Brittany C
Warren; Riddell, Craig Thomas F R
Wawanesa; Ellis, Warren P. & Simon R C

MANI R2X

St. Norbert; Brett-Young Seeds Limited S R

MARDUK R2X

St. Norbert; Brett-Young Seeds Limited S F C

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MAXUS

Stonewall; Quarry Seed Ltd. C

MCLEOD R2

Hazelridge; Saramaga, Robert P. & Andrew R
Portage La Prairie; Askin, Raymond T. & Jeffrey S. S R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G. C
Winnipeg; James, David G. C

METEOR

Carman; Park, Robert J. R

NOCOMA R2®

Dauphin; Fisher, Roderick Allan & Douglas James F
Reston; Greig, Fred L. & Fotheringham, John A. R
St. Norbert; Brett-Young Seeds Limited S F

NOTUS R2

Dauphin; Fisher, Roderick Allan & Douglas James C
Reston; Greig, Fred L. & Fotheringham, John A. R
St. Norbert; Brett-Young Seeds Limited S F R C

NSC GLADSTONE RR2Y

Domain; Manness, Ronald & Patricia & Graeme & Adeena S F C
Rosenort; Friesen, Rick C
St. Claude; Rouire, Roland & Guy C
Winnipeg Beach; Dola, Randy C

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NSC GREENRIDGE RR2Y				
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F R		
Fannystelle; Nadeau, Brian	204-436-2469	R		
Rosenort; Friesen, Rick	204-746-8325	R		
Winnipeg; Northstar Genetics,	204-262-2421	R		
NSC JORDAN RR2Y				
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	C		
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F R		
Fannystelle; Nadeau, Brian	204-436-2469	R		
Rosenort; Friesen, Rick	204-746-8325	C		
Winnipeg; Northstar Genetics,	204-262-2421	R		
NSC LEROY RR2Y				
Balmoral; Blowers, Mike	204-467-1889	R		
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C		
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	R C		
Grosse Isle; Rutherford, Rick	204-467-5613	R		
Hazleridge; Saramaga, Robert P. & Andrew	204-771-0951	C		
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C		
Pilot Mound; Smith, Walter George	204-825-2715	S R		
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	C		
Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	C		
Russell; Keating, Mark	204-773-3854	R		
St. Claude; Rouire, Roland & Guy	204-379-2582	R		
NSC MELFORT RR2X				
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F		
Grosse Isle; Rutherford, Rick	204-467-5613	F		
NSC NEWTON RR2X				
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	C		
Fannystelle; Nadeau, Brian	204-436-2469	R		
Grosse Isle; Rutherford, Rick	204-467-5613	S F		
Homewood; Froebe, Bruce D. & Murray	204-745-6655	R		
Rosenort; Friesen, Rick	204-746-8325	R		
Rosser; Corbett, Scott	204-467-8609	C		
St. Claude; Rouire, Roland & Guy	204-379-2582	C		
NSC REDVERS RR2X				
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	S F		
Fannystelle; Nadeau, Brian	204-436-2469	R		
Grosse Isle; Rutherford, Rick	204-467-5613	S F		
Hazleridge; Saramaga, Robert P. & Andrew	204-771-0951	R		
St. Claude; Rouire, Roland & Guy	204-379-2582	R		
NSC RESTON RR2Y				
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	C		
Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	C		
Rosser; Corbett, Scott	204-467-8609	C		
St. Claude; Rouire, Roland & Guy	204-379-2582	C		
NSC RICHER RR2Y				
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	C		
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	C		
Homewood; Froebe, Bruce D. & Murray	204-745-6655	C		
Rosenort; Friesen, Rick	204-746-8325	C		
NSC SPERLING RR2Y				
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	R		
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F		
Fannystelle; Nadeau, Brian	204-436-2469	R		
Grosse Isle; Rutherford, Rick	204-467-5613	R		

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Hazleridge; Saramaga, Robert P. & Andrew	204-771-0951	R		
Homewood; Froebe, Bruce D. & Murray	204-745-6655	R		
Portage La Prairie; Ronald, Kelly	204-857-7437	R		
Rosenort; Friesen, Rick	204-746-8325	R		
NSC STARBUCK RR2X				
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622	C		
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F	C	
Fannystelle; Nadeau, Brian	204-436-2469	C		
Homewood; Froebe, Bruce D. & Murray	204-745-6655	C		
Rosenort; Friesen, Rick	204-746-8325	C		
NSC WATSON RR2Y				
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C		
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	R C		
Fannystelle; Nadeau, Brian	204-436-2469	C		
Fisher Branch; Caners, Allan	204-372-6863	C		
Hazleridge; Saramaga, Robert P. & Andrew	204-771-0951	C		
Morris; Pauls, John W., Anna & Nicholas	204-736-4234	S F R		
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C		
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	C		
Portage La Prairie; Ronald, Kelly	204-857-7437	C		
Reston; Greig, Fred L. & Fotheringham, John A.	204-877-3813	C		
Rosenort; Friesen, Rick	204-746-8325	C		
Rosser; Corbett, Scott	204-467-8609	C		
Rosser; Nolting, Heinz	204-467-5922	R		
Russell; Keating, Mark	204-773-3854	C		
Somerset; Sierens, Joseph & Chris	204-744-2883	C		
St. Claude; Rouire, Roland & Guy	204-379-2582	C		
Stonewall; Elliot, Robert W.	204-467-9370	C		
Teulon; Kiel, Douglas	204-886-2802	C		
NSC WINKLER RR2X				
Fannystelle; Nadeau, Brian	204-436-2469	F		
OAC MORDEN☼				
Carman; Menold, Ulrich & Lucas	204-745-2822	S F		
OAC PRUDENCE				
Carman; Menold, Ulrich & Lucas	204-745-2822	S F		
OPUS				
Stonewall; Quarry Seed Ltd.	204-467-8877	R		
P0007A43R☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	S F	C	
P0007A65R☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	S F	C	
P000A87R				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	S F R		
P002A19X☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	S F R C		
P002A63R☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	S F R C		
P005A27X☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	S F R C		
P006A37X☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	F		
P006T46R☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	S F R		
P006T78R☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	C		

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P007A90R☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554	S	F	R C
P008T22R2☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554			C
P00A49X☼				
Chatham, ON; Pioneer Hi-Bred	800-265-0554			R
PRINCE R2X				
Arborg; Timchishen, Donald Victor & Darcy	204-641-1288	S	F	C
Brandon; Wheat City Seeds Ltd.	204-727-3337	S	F	
Carman; Park, Robert J.	204-745-3304	S	F	R
Darlingford; Wilson, James M.	204-246-2388			R
Dauphin; Kaleta, James & Debra	204-638-7800	S	F	R
Dufrost; Catellier, Patrick Raymond	204-347-5503			F R
Kenton; Stevenson, Richard D.O. & Douglas	204-838-2696			R
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	S	R	
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363			R
Portage La Prairie; Askin, Raymond T. & Jeffrey S.	204-274-2417			R
Ste. Rose Du Lac; Gamache, Ryan & Patrick	204-447-2118			F R
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	S	R	
Virten; Heaman, Douglas J., Walter, Robert, Kenneth & Brittany	204-748-7666	S	R	
Warren; Riddell, Craig Thomas	204-227-5679	S	F	
Wawanesa; Ellis, Warren P. & Simon	204-824-2290			R
Winnipeg; James, David G.	204-222-8785			C
PRO 2525R2				
Winkler; Delmar Commodity Ltd. (Mb Acct)				F R C
PS 00095 R2				
Chatham, ON; Pride Seeds	519-354-3210	S	F	R
PS 0035 NR2				
Chatham, ON; Pride Seeds	519-354-3210	S	F	R
PS 0074 R2				
Chatham, ON; Pride Seeds	519-354-3210	S	F	R
PS 0044 XRN				
Chatham, ON; Pride Seeds	519-354-3210	S	F	R
PS 0068 XR				
Chatham, ON; Pride Seeds	519-354-3210			R C
PV 10s005 RR2				
High River, AB; Nutrien Ag Solutions	403-603-6011	S	F	C
PV 11s001 RR2				
High River, AB; Nutrien Ag Solutions	403-603-6011	S	F	C
PV 12s007 R2X				
High River, AB; Nutrien Ag Solutions	403-603-6011	S	F	R C
PV 14s008 RR2				
High River, AB; Nutrien Ag Solutions	403-603-6011			S F
PV 15s0009 R2X				
High River, AB; Nutrien Ag Solutions	403-603-6011	S		R
PV 16s004 R2X				
High River, AB; Nutrien Ag Solutions	403-603-6011	S	F	R
RX ACRON				
Tilbury, ON; Maizex Seeds Inc.	519-682-1720	S	F	R
RX CEDO				
Tilbury, ON; Maizex Seeds Inc.	519-682-1720	S	F	
RX000918				
Rosenort; Friesen, Rick	204-746-8325	S	F	R
RX00218				
Rosenort; Friesen, Rick	204-746-8325	S	F	

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RX00797				
Rosenort; Friesen, Rick	204-746-8325			C
S0007-B7X				
Guelph, ON; Syngenta Canada Inc.	519-461-0072			F R
S0009-D6				
Guelph, ON; Syngenta Canada Inc.	519-461-0072			R
S0009-M2				
Guelph, ON; Syngenta Canada Inc.	519-461-0072			R
S006-M4X				
Guelph, ON; Syngenta Canada Inc.	519-461-0072			F R
S003-L3				
Guelph, ON; Syngenta Canada Inc.	519-461-0072			F R C
S006-W5				
Guelph, ON; Syngenta Canada Inc.	519-461-0072			F R C
S007-Y4				
Guelph, ON; Syngenta Canada Inc.	519-461-0072			F R C
S008-N2				
Guelph, ON; Syngenta Canada Inc.	519-461-0072			F R
SIBERIA				
Stonewall; Quarry Seed Ltd.	204-467-8877			C
SUNNA R2X				
Domain; Manness, Ronald & Patricia & Graeme & Adeena	204-736-2622			F
St. Norbert; Brett-Young Seeds Limited	204-261-7932			S F
TH 34006R2Y				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			R
TH 37004 R2Y				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			S F R
TH 87000 R2X				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			S F
TH 87003 R2X				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			S F C
TH 88005R2XN				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			S F R
TH 88007R2X				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			S F R C
TH 88008 R2X				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			R
TH32004R2Y				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			S F R C
TH 33003R2Y				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			S F C
TH 33005R2Y				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			R C
TH890005 R2XN				
Dilworth, MN; Thunder Seeds Inc.	218-422-9011			S F
TORRO R2				
Stonewall; Quarry Seed Ltd.	204-467-8877			S F C
VIDAR R2X				
St. Norbert; Brett-Young Seeds Limited	204-261-7932			S

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Pulse Crops

Variety Description Key

A "CHECK CHARACTERISTICS" box has been placed at the bottom of each table to display the long term yield, site years, maturity and any other check attributes.

Except for the long-term average yield, variety description information obtained from the Co-operative Registration Trials. For relative maturity, please keep in mind the actual number of days to reach maturity will depend on local climactic conditions and to some extent on management practices.

"Resistance Level" ratings: VG = Very Good; G = Good; F = Fair; P = Poor; VP = Very Poor; "n/a" = not available

Site Years Tested is the cumulative number of locations over the years that a variety has been tested against the check variety. The more site years, the more dependable the data.

☞ 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

TKW (Thousand Kernel Weight) is the weight in grams of 1000 seeds.

Key to 2018 Yield Tables

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

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

LSD = Least Significant Difference. Varieties must differ by the LSD to be considered significantly different from one another.

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



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Manitoba Agriculture Variety Guide

FIELD BEANS - MANITOBA NARROW ROW ADAPTATION TRIALS

Comments:

Long term yield data and days to maturity are Manitoba Pulse & Soybeans Growers (MPSG) Trials grown in 10 to 12 inch row spacing.

More detailed measurements from the trials are available to MPSG members and will be distributed in the December Special Edition of the Pulse Beat magazine.

Days to maturity is critical. Do not select a variety that will not mature in time, under normal growing conditions. Early fall frost severely affects yield and quality.

Variety Descriptions

Bean Class	Variety	Years Tested			Yield % Check	Site Years Tested	Maturity ¹ (days)
		2018	2017	2016			+/- Check
Small Seeded Types					% Envoy		+/- Envoy
Black	CDC Blackstrap®	x	x	x	127	18	-1
Black	CDC Jet	x	x	x	109	42	1
Black	CDC SuperJet	x	x	x	117	21	2
Black	Eclipse	x			123	6	4
Black	Zenith	x			92	2	3
Black	Zorro	x			87	2	3
Navy	AAC Argosy	x			114	2	4
Navy	AAC Shock	x	x		119	5	2
Navy	Blizzard	x			112	2	2
Navy	Bolt	x	x	x	106	9	3
Navy	Cargo	x			87	7	2
Navy	Envoy	x	x	x	100	51	0
Navy	Indi	x			105	2	2
Navy	Nautica	x		x	113	4	6
Navy	OAC Spark		x		112	10	-1
Navy	Portage	x	x	x	101	18	1
Navy	T9903			x	108	9	3
Navy	T9905	x	x	x	109	7	5
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Navy	3458-7	x	x	x	107	15	-4
Navy	2918-25		x	x	125	14	-3
Navy	NA08077	x			99	2	0
Large Seeded Types					% CDC Pintium		+/- CDC Pintium
Pinto	AC Island		x	x	118	10	2
Pinto	CDC Marmot		x	x	110	19	0
Pinto	CDC Pintium	x	x	x	100	51	0
Pinto	CDC WM-2	x	x	x	115	23	2
Pinto	Medicine Hat®	x	x	x	113	15	2
Pinto	SV6139GR®		x	x	140	5	1
Pinto	SV6533GR®			x	159	2	0
Pinto	Windbreaker	x	x		128	10	3
Flora de Janeiro	CDC Ray	x	x		108	5	6
Yellow	CDC Sol	x	x		98	7	4
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Cranberry	7ab-3bola-3	x	x		83	5	6
Pinto	NN11-2	x			120	2	0
Yellow	3850-1		x		98	3	1
Yellow	4510-3-1	x			100	2	3
CHECK CHARACTERISTICS					Yield (lbs/ac)	Site Years	Days to Maturity
Bean Grouping				Check Varieties			
Small seeded				Envoy	1942	51	100
Large seeded				CDC Pintium	2079	51	96

¹ Maturity data provided to compare relative differences among varieties - actual maturity will vary depending on seasonal growing conditions.

FIELD BEANS - WIDE ROW TRIALS

Comments:

Long term yield data and days to maturity are from Manitoba Pulse & Soybean Growers (MPSG) trials.

Individual site and more detailed measurements from these trials are available to MPSG member and distributed free in the Winter Edition of the Manitoba Pulse Beat to all MPSG members in good standing.

Results are from row crop trials located at Morden, Portage, Carman, and Winkler sites.

Variety Descriptions

MARKET CLASS/Variety	Years tested			Yield % Check	Site Years Tested	Maturity 1 (days) +/- Check
	2018	2017	2016			
NAVY				% of T9905		+/- T9905
AAC Argosy	x	x		103	8	-2
AAC Shock	x			99	4	-4
Bolt	x	x		92	15	-2
Cargo	x			80	24	-4
DS105W0		x	x	101	9	2
Envoy	x	x	x	74	30	-5
Fathom			x	100	5	-1
Indi	x	x	x	100	22	-3
Lightning		x	x	90	26	-3
Nautica	x	x	x	90	14	-1
Portage	x	x	x	91	30	-5
SV1893GH0			x	93	9	0
T9903			x	93	22	-3
T9905	x	x	x	100	30	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
Alpena		x		84	4	-3
GNS 2884-4			x	85	5	4
NA196		x	x	94	6	-2
PINTO				% of Windbreaker		+/- Windbreaker
CDC WM-2		x	x	79	19	-4
La Paz	x			96	15	5
Monterrey		x	x	106	14	2
SV6139GR0		x	x	103	19	-3
SV6533GR0			x	95	7	-1
Vibrant	x	x	x	104	11	-2
Windbreaker	x	x	x	100	50	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
11278			x	104	6	-1
El-Diablo		x	x	94	9	-1
GNS 1173-1			x	79	6	0
GNS 12-11			x	62	3	-8
GNS 12-441			x	80	6	1

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MARKET CLASS/Variety	Years tested			Yield % Check	Site Years Tested	Maturity ¹ (days) +/- Check	
	2018	2017	2016				
GNS 1259-60			x	67	6	-3	
GTS 907			x	100	15	0	
PT284-10		x		75	4	0	
Radiant 12324		x	x	104	7	-2	
Torreon			x	96	6	0	
BLACK				% of Eclipse		+/- Eclipse	
CDC Blackstrap☺	x	x	x	89	13	-5	
CDC Jet	x	x	x	88	39	-1	
CDC Superjet	x	x	x	87	27	-1	
Eclipse☺	x	x	x	100	39	0	
Zenith	x			98	4	4	
Zorro	x			90	4	4	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
13489		x	x	108	6	1	
13505	x	x		99	8	0	
GTS1103	x	x		94	12	2	
H76BK6		x		92	4	1	
PINK				% of Floyd		+ / - Floyd	
Floyd	x	x	x	100	25	0	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
GNS 13-796			x	107	3	3	
Rosetta		x	x	118	7	6	
CRANBERRY				% of Etna		+/- Etna	
AAC Scotty	x		x	112	12	5	
Cran 09		x	x	102	50	0	
Etna	x	x	x	100	53	-2	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
CR312-8		x	x	113	5	2	
Krimson	x	x	x	101	16	0	
Vero	x			89	3	0	
GREAT NORTHERN				% of Pink Panther		+/- Pink Panther	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
13151	x			122	3	-2	
13172	x			136	3	-1	
14164	x			129	3	-3	
Aries			x	139	8	1	
Beryl R	x			112	32	-2	
Powderhorn	x	x		137	6	-2	
DARK RED KIDNEY				% of Pink Panther		+/- Pink Panther	
Dynasty	x			104	3	7	
Montcalm	x			78	3	7	
LIGHT RED KIDNEY				% of Pink Panther		+/- Pink Panther	
Big Red	x	x	x	100	19	0	
Pink Panther	x	x	x	100	51	0	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
09357			x	100	9	-4	
09363		x	x	96	5	-3	
09378			x	95	9	-3	
Clouseau			x	98	14	0	
White KIDNEY				% of Pink Panther		+/- Pink Panther	
COB-228-03	x			56	3	5	
YELLOW				% of Windbreaker		+/- Windbreaker	
CDC Sol☺	x	x	x	77	26	2	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
YE4607	x			59	1	-1	
Check Varieties				First Year Tested	Yield lbs/ac	Site Years Tested	Maturity (days)
Eclipse				2005	2475	39	98
Etna				2007	1752	53	100
Floyd				2005	2430	25	92
Pink Panther				2001	1979	51	100
T9905				2009	2401	30	102
Windbreaker				2002	2671	50	96

1 Annual weather variations will impact the actual number of days it takes a variety to fully mature varies from year to year.
Choosing a variety that needs a longer growing season than your farm has, increases your risk of frost damage and lower returns.

LENTILS

Comments:

The lentil variety trial is coordinated with the Saskatchewan Regional Variety testing program, therefore the seed source is the same as used in Saskatchewan trials.

The lentil variety trial was tested by MCVET and partially sponsored by the Manitoba Pulse & Soybean Growers

Clearfield lentils are tolerant to the herbicide Odyssey. These varieties are easily identified by the "CL" designation at the end of the name.

Variety Descriptions

									2018 Yield:	
							Resistance Level		% CDC Maxim	
Market Class	Variety	Maturity ¹ Rating	Yield % Check	Site Years Tested	Cotyledon Colour	Seed Wt (TKW) Grams	Ascochyta Blight	Anthrachnose Race 1	Hamiota	Melita
Small green	CDC Imvincible CL	Early	83	18	Yellow	35	G	G	109	101
	CDC Kermit	Early/Med	105	2	Yellow	34	G	G	110	98
Extra Small green	CDC Asterix	Early	94	9	Yellow	26	G	F	107	97
Medium green	CDC Imigreen CL	Medium	63	11	Yellow	63	G	F	—	—
Large green	CDC Greenland	Med/Late	63	10	Yellow	64	G	VP	—	—
	CDC Greenstar	Med/Late	91	7	Yellow	73	G	F	93	88
	CDC Impower CL	Medium	69	12	Yellow	74	G	P	68	95
French green	CDC Peridot CL	Early	78	11	Yellow	40	G	P	—	—
	CDC Marble	Early/Med	103	9	Yellow	32	F	G	103	90
Extra small red	CDC Rosebud	Early	87	10	Red	29	G	G	—	—
	CDC Rosie	Early/Med	87	6	Red	30	G	G	—	—
	CDC Ruby	Early	92	2	Red	29	G	G	—	—
	CDC Roxy	Early/Med	96	2	Red	32	G	G	96	95
Small red	CDC Dazil CL	Early/Med	96	10	Red	35	G	F	82	106
	CDC Imax CL	Medium	84	18	Red	50	G	G	98	108
	CDC Maxim CL	Early/Med	100	20	Red	40	G	G	100	100
	CDC Proclaim CL☼	Early/Med	103	4	Red	40	G	G	108	110
	CDC Redmoon☼	Early/Med	108	4	Red	41	G	G	111	96
	CDC Scarlet	Early/Med	103	9	Red	36	G	F	103	94
	CDC Impulse CL☼	Earl/med	106	3	Red	44	G	G	107	98
Green Cotyledon	CDC QG-2	Early/Med	85	7	Green	33	F	G	94	94
	CDC QG-3 CL	Early/Med	84	2	Green	46	F	G	82	85
Large red	CDC-KR I	Medium	79	12	Red	56	G	G	—	—
	CDC KR2☼ CL	Medium	104	3	Red	55	G	G	107	104
Spanish Brown	CDC SB-3 CL	Early	75	2	Yellow	38	F	G	70	80
CHECK CHARACTERISTICS							CDC Maxim (lbs/ac)		3183	2866
CDC Maxim			3175	20			CV%		10.4	5.2
			lbs/ac	site years			LSD (%)		17	8
							Sign Diff		Yes	Yes
							Seeding Date		05-May	08-May
							Harvest Date		16-Aug	09-Aug

¹ Ratings determined in Saskatchewan and may not be accurate under wetter growing conditions present in Manitoba

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FIELD PEAS

Comments:

The Field Pea variety trial is coordinated with the Saskatchewan Regional Variety testing program. Seed source is same as used in Saskatchewan trials.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Relative Maturity	Relative Vine Length	Seed Size (TKW)	Resistance Level to:							
						Lodging	Powdery Mildew	Mycos- phaerella blight	Fusarium ¹ Wilt	Seed Coat			
										Green ²	Breakage	Dimpling ³	Bleaching
Yellow													
AAC Ardill	99	22	M	M	240	G	VG	F	G	n/a	G	n/a	n/a
AAC Asher [Ⓢ]	104	6	M	S	260	G	VG	F	F	n/a	n/a	n/a	n/a
AAC Carver [Ⓢ]	108	16	M	L	240	G	VG	F	F	n/a	G	n/a	n/a
AAC Chrome [Ⓢ]	112	12	M	M	240	G	VG	F	F	n/a	n/a	n/a	n/a
AAC Lacombe [Ⓢ]	103	20	M	L	270	G	VG	F	F	F	G	G	n/a
Abarth [Ⓢ]	101	10	E	M	280	VG	VG	F	F	G	F	G	n/a
Agassiz [Ⓢ]	102	59	M	M	230	G	VG	F	F	G	G	F	n/a
CDC Amarillo	103	22	M	M	230	VG	VG	F	G	G	F	F	n/a
CDC Athabasca [Ⓢ]	97	6	M	L	300	VG	VG	F	G	G	F	F	n/a
CDC Canary [Ⓢ]	96	6	E	L	230	VG	VG	F	F	F	G	F	n/a
CDC Golden	93	64	M	M	230	G	VG	F	S	G	G	G	n/a
CDC Inca [Ⓢ]	107	20	M	L	230	G	VG	F	F	F	G	G	n/a
CDC Lewochko [Ⓢ]	107	6	M	L	230	VG	VG	F	F	G	G	G	n/a
CDC Meadow	100	72	E	M	220	G	VG	F	F	G	G	G	n/a
CDC Saffron	101	36	M	M	250	G	VG	F	F	G	G	F	n/a
CDC Spectrum [Ⓢ]	97	6	M	L	240	VG	G	F	F	G	G	G	n/a
Varieties supported for registration by the PRCPSC													
AAC Profit [Ⓢ]	104	6	M	M	230	G	VG	F	F	n/a	n/a	n/a	n/a
Hyline	101	6	E	M	240	G	VG	F	F	G	G	G	n/a
Green													
AAC Comfort [Ⓢ]	96	11	M	M	260	G	VG	F	F	n/a	n/a	n/a	G
CDC Forest [Ⓢ]	107	6	M	L	230	G	VG	F	F	n/a	G	G	G
CDC Greenwater	99	21	L	M	220	G	VG	F	G	n/a	VG	G	G
CDC Limerick	99	21	L	M	210	VG	VG	F	F	n/a	VG	G	G
CDC Spruce [Ⓢ]	97	6	M	L	240	G	VG	F	F	n/a	F	F	G
CDC Striker	90	76	M	M	230	VG	P	F	G	n/a	VG	G	G
COOPER [Ⓢ]	95	47	L	M	270	G	VG	F	F	n/a	F	G	G
Maple													
AAC Liscard	92	11	M	M	180	G	VG	F	n/a	n/a	n/a	n/a	n/a
LSD (.05) 6													
CHECK CHARACTERISTICS													
CDC Meadow	73		95	34									
	bu/ac		days	inches									

1 Varieties which show good disease tolerance to one strain of Fusarium wilt may be susceptible to other strains.

2 Green seed coats: G = 0-10%; F = 11-25%

3 Seed coat dimpling rating : VG = 0-5%; G = 6-20%; F = 21-50%

Yield Comparisons

Variety	2018 Yield % of CDC Meadow					
	Boissevain	Melita	Morden	Hamiota	Portage	Swan River
Yellow						
AAC Ardill	103	104	104	93	106	106
AAC Asher [®]	110	101	122	98	120	115
AAC Carver [®]	105	110	107	92	122	117
AAC Chrome [®]	126	116	133	111	132	118
AAC Lacombe [®]	109	107	114	85	109	109
Agassiz [®]	136	98	113	97	109	113
CDC Amarillo	112	109	97	89	110	107
CDC Athabasca [®]	103	97	108	73	105	115
CDC Canary [®]	104	101	103	98	104	107
CDC Golden	113	93	104	95	96	105
CDC Inca [®]	104	111	110	82	118	122
CDC Lewochko [®]	126	113	121	97	119	118
CDC Meadow	100	100	100	100	100	100
CDC Saffron	108	107	108	81	105	109
CDC Spectrum [®]	109	108	110	85	105	114
Varieties supported for registration by the PRCPSC						
AAC Profit [®]	112	111	124	96	119	115
Hyline	116	104	106	92	107	105
Green						
AAC Comfort [®]	99	103	112	84	109	108
CDC Forest [®]	123	106	114	102	119	123
CDC Greenwater	108	106	107	98	109	113
CDC Limerick	108	106	108	95	103	105
CDC Spruce [®]	110	108	111	89	110	104
CDC Striker	90	98	92	75	90	103
Maple						
AAC Liscard	103	108	103	80	97	103
CDC Meadow (bu/ac)	48	62	64	72	82	82
CV %	5.9	6.5	4.7	5.9	4.1	4.2
LSD (%)	11	11	9	9	7	8
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	09-May	01-May	07-May	05-May	16-May	15-May
Harvest Date	23-Aug	07-Aug	21-Aug	23-Aug	22-Aug	31-Aug

YELLOW PEAS

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Distributor Contacts for Listed Varieties in Seed Manitoba 2019

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.

FABABEANS

CDC Snowdrop	University of Saskatchewan - CDC
CDC SSNS-1	University of Saskatchewan - CDC
CDC Fatima	Scoular Company Canada Inc.
Florent	Scoular Company Canada Inc.
Snowbird	Cyre Seed Farms
Taboar	Terramax Holding Corp.
Tabasco	Riddell Seed Co.

FIELD BEANS

NAVY

AAC Argosy	Various Bean Dealers
AAC Shock	Various Bean Dealers
Bolt	Hensall District Coop
Blizzard	Various Bean Dealers
Cargo	Various Bean Dealers
DS105W0	Treasure Valley Seed Company
Envoy	Various Bean Dealers
Fathom	University of Guelph
Indi	ADM- Seed West
Lightning	Hensall District Coop
Nautica	Hensall District Coop
OAC Spark	University of Guelph
Portage	CANTERRA SEEDS
SV1893GH	CANTERRA SEEDS
T9903	Treasure Valley Seed Company
T9905	Treasure Valley Seed Company

PINTO

CDC Pintium	Various Bean Dealers
CDC Marmot	University of Saskatchewan
CDC WM-2	University of Saskatchewan
Mariah	CANTERRA SEEDS
AC Island	Various Bean Dealers
La Paz	ADM- Seed West
Medicine Hat	CANTERRA SEEDS
Windbreaker	CANTERRA SEEDS
Monterrey	ADM- Seed West
SV6139GR	CANTERRA SEEDS
SV6533GR	CANTERRA SEEDS
Vibrant	ADM- Seed West

PINK

Floyd	ADM- Seed West
BLACK	
CDC Blackstrap	Saskatchewan Pulse Growers
CDC Jet	Ben Martens Charolais & Seed
Eclipse	Scoular Company Canada Inc.
CDC SuperJet	Ben Martens Charolais & Seed
Zenith	Treasure Valley Seed Company
Zorro	Treasure Valley Seed Company

CRANBERRY

Cran 09	Various Bean Dealers
Etna	Seminis Vegetable Seeds
AAC Scotty	Agriculture and Agri-Food Canada

Dark Red Kidney

Dynasty	University of Guelph
Montcalm	Various Bean Dealers

LIGHT RED KIDNEY

Big Red	Various Bean Dealers
Pink Panther	Various Bean Dealers

FLOR DE JUNIO

CDC Ray	University of Saskatchewan
---------	----------------------------

YELLOW

CDC Sol	Scoular Company Canada Inc.
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LENTILS

CDC Asterix	Saskatchewan Pulse Growers
CDC Dazil	Saskatchewan Pulse Growers
CDC Greenland	Saskatchewan Pulse Growers
CDC Greenstar	Saskatchewan Pulse Growers
CDC Imax CL	Saskatchewan Pulse Growers
CDC Imigreen CL	Saskatchewan Pulse Growers
CDC Impact CL	Saskatchewan Pulse Growers
CDC Impala CL	Saskatchewan Pulse Growers
CDC Imperial CL	Saskatchewan Pulse Growers
CDC Impower CL	Saskatchewan Pulse Growers
CDC Impress CL	Saskatchewan Pulse Growers
CDC Improve CL	Saskatchewan Pulse Growers
CDC Impulse CL	SeCan
CDC Invincible CL	Saskatchewan Pulse Growers
CDC Kermit	SeCan

LENTILS

CDC KR-1	Saskcan Pulse Trading
CDC KR2	Saskatchewan Pulse Growers
CDC Marble	Saskatchewan Pulse Growers
CDC Maxim CL	Saskatchewan Pulse Growers
CDC Milestone	Saskatchewan Pulse Growers
CDC Peridot CL	Saskatchewan Pulse Growers
CDC Plato	Saskatchewan Pulse Growers
CDC Proclaim	Saskatchewan Pulse Growers
CDC QG-2	Saskatchewan Pulse Growers
CDC Red Rider	Saskatchewan Pulse Growers
CDC Redberry	Saskatchewan Pulse Growers
CDC Redbow	Saskatchewan Pulse Growers
CDC Redcoat	Saskatchewan Pulse Growers
CDC Redmoon	SeCan
CDC QG-3 CL	Saskatchewan Pulse Growers
CDC Rosebud	Saskatchewan Pulse Growers
CDC SB-3 CL	Saskatchewan Pulse Growers
CDC Richlea	Saskatchewan Pulse Growers
CDC Robin	Saskatchewan Pulse Growers
CDC Rosetown	Saskatchewan Pulse Growers
CDC Rosie	Saskatchewan Pulse Growers
CDC Roxy	SeCan
CDC Ruby	Saskatchewan Pulse Growers
CDC Scarlet	Saskatchewan Pulse Growers

FIELD PEAS

AAC Ardill	Wagon Wheel Seed Corp.
AAC Asher	Agriculture and Agri-Food Canada
AAC Carver	CANTERRA SEEDS
AAC Comfort	CANTERRA SEEDS
AAC Lacombe	SeedNet Inc
AAC Liscard	Wagon Wheel Seed Corp.
AAC Radius	Columbia Seeds
AAC Royce	Columbia Seeds
Abarth	FP Genetics
Agassiz	CANTERRA SEEDS
CDC Forest	SeCan
CDC Amarillo	Saskatchewan Pulse Growers
CDC Athabasca	SeCan
CDC Canary	SeCan
CDC Dakota	Saskatchewan Pulse Growers
CDC Golden	Saskatchewan Pulse Growers
CDC Greenwater	Saskatchewan Pulse Growers
CDC Inca	Saskatchewan Pulse Growers
CDC Leroy	Saskatchewan Pulse Growers
CDC Lewochko	SeCan
CDC Limerick	Saskatchewan Pulse Growers
CDC Meadow	Saskatchewan Pulse Growers
CDC Saffron	Saskatchewan Pulse Growers
CDC Spectrum	SeCan
CDC Spruce	SeCan
CDC Striker	Saskatchewan Pulse Growers
Cooper	CANTERRA SEEDS

DISTRIBUTOR

PHONE NUMBER

ADM-Seed West.....	1-800-637-5843
Agriculture and Agri-Food Canada.....	1-613-773-1000
Alliance Seed	1-877-270-2890
Ben Martens Charolais & Seed.....	1-204-534-6952
CANTERRA SEEDS	1-877-439-7333
Columbia Seeds.....	1-403-654-2158
Cyre Seed Farms	1-780-349-4775
University of Saskatchewan	1-306-966-5855
FP Genetics.....	1-877-791-1045
Hensall District Coop.....	1-204-295-3938
Scoular Company Canada Inc.	1-204-829-2326
Riddell Seed Co.....	1-204-227-5679
Saskatchewan Pulse Growers	1-306-668-5556
SeCan	1-800-665-7333
SeedNet Inc.....	1-403-715-9771
Seminis Vegetable Seeds	1-519-351-7640
Treasure Valley Seed Company	1-218-791-6159
Terramax Holding Corp.....	1-306-699-7368
Wagon Wheel Seed Corporation.....	1-306-896-2647

Growers List



FABABEANS

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ☼ protected or pending under UPOV 1991; * listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

DL RICO

Glenboro; Jefferies, Ron.....204-827-2102 S
Warren; Riddell, Craig Thomas204-227-5679 S

DL TESORO

Warren; Riddell, Craig Thomas204-227-5679 S

TABASCO ☼

Glenboro; Jefferies, Cale.....204-827-2102 C
Warren; Riddell, Craig Thomas204-227-5679 F C

FIELD BEANS

CDC BLACKSTRAP ☼

Boissevain; Martens, Ben F. & John J. & Ryan204-534-6952 S R C

SV6139GR ☼

Portage La Prairie; Sissons, Blye.....204-857-7341 C

WINDBREAKER

Altona; Wiebe, Henry D. & Lloyd204-324-8036 C
Portage La Prairie; Sissons, Blye.....204-857-7341 C

FIELD PEAS

AAC ARDILL

Russell; Keating, Mark.....204-773-3854 C

AAC CARVER ☼

Domain; Manness, Ronald & Patricia & Graeme & Adeena204-736-2622 F R
Glenboro; Jefferies, Ron.....204-827-2102 S F C
Holland; Patenaude, Donald & Robert204-526-2391 C
Rivers; Redsper Ent. Ltd.....204-328-5346 C
Russell; Keating, Mark.....204-773-3854 R
Sanford; Bergen, Edward Harry & Tim204-736-2278 S
Stonewall; Unger, Ronald K. & Darcy.....204-467-8630 C
Winkler; Ens, Abram E. & Chris & Friesen, Jake & Kenleigh204-325-4658 R
Winnipeg; Canterra Seeds Ltd.204-988-9750 R

AAC CHROME ☼

Domain; Manness, Ronald & Patricia & Graeme & Adeena204-736-2622 S F

AAC LACOMBE ☼

Altona; Sawatzky, John.....204-324-4018 R
Boissevain; Froese, Wesley A.J. & Ian204-534-6846 R C
Elphinstone; Gerrard, Jody.....204-759-2213 R
Foxwarren; Falloon, A. Scott.....204-683-2347 C
Ingles; Beischer, Derrick.....204-564-2117 R
Mather; Mc Lennan, Donald D.....204-529-2372 R

CDC AMARILLO

Brandon; Wheat City Seeds Ltd.204-727-3337 C
Brandon; Whetter, Rodney & Darren.....204-729-7059 S F
Decker; Murray, Donald H. & Ryan.....204-764-2733 R
Foxwarren; Graham, George Arthur.....204-683-2367 S R

FIELD PEAS

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ☼ protected or pending under UPOV 1991; * listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

Holland; Zeghers, Shawn M.204-526-2366 C
Kenton; Stevenson, Robert H. & Sidney H.....204-838-2012 C
Miniota; Walker, Alan Glen204-567-3647 R
Reston; Greig, Fred L. & Fotheringham, John A. (Jack).....204-877-3813 R
Rivers; Redsper Ent. Ltd.....204-328-5346 C
St. Leon; Labossiere, Luc N. & Rejean F.....204-744-2208 R
Virden; Heaman, Douglas J., Walter, Robert, Kenneth & Brittany204-748-7666 R

CDC INCA ☼

Brandon; Wheat City Seeds Ltd.204-727-3337 F
Brandon; Whetter, Rodney & Darren.....204-729-7059 S
Foxwarren; Graham, George Arthur.....204-683-2367 C

CDC JASPER ☼

Crystal City; Buchanan, Kenneth S. & Dean K.....204-873-2661 S F
Dauphin; Durston, Scott L.204-638-5569 S R

CDC MEADOW

Crystal City; Buchanan, Kenneth S. & Dean K.....204-873-2661 C
Hamiota; Knight, Ronald M. & Jeff204-764-2450 C
Holland; Kubinec, Anastasia.....204-526-2776 C
Holland; Patenaude, Donald & Robert204-526-2391 C
Rivers; Krahn, Abe M., Ronald J. & Robert A.204-761-8702 C

CDC SAFFRON

Hamiota; Knight, Ronald M. & Jeff204-764-2450 C

CDC SPECTRUM ☼

Arborg; S.S. Johnson Seeds Limited.....204-376-5228 R
Crystal City; Buchanan, Kenneth S. & Dean K.....204-873-2661 S F
Decker; Murray, Donald H. & Ryan.....204-764-2733 R
Foxwarren; Graham, George Arthur.....204-683-2367 R
Minto; Rourke, David204-776-5557 S F
Swan River; Alford, Wayne G.204-734-2526 R

DL DELICIOUS

Binscarth; Pizzey, Tim V.....204-683-2316 S

DL GOLDEYE

Warren; Riddell, Craig Thomas204-227-5679 S F



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Special Crops

Variety Description Key

A "CHECK CHARACTERISTICS" box has been placed at the bottom of each table to display the long term yield, number of site years and any other check attribute information.

Except for the long term average yield, variety description information for buckwheat was obtained from the variety registration trials.

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

☞ Indicates a variety that is protected by Plant Breeder's Rights 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 2018 Yield Tables

Yields derived over two or more growing seasons are the best indicator of variety performance. For new varieties, "2018 Average Yield" over all sites is more reliable than data from a single location. Use single site year data with caution.

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

LSD = Least Significant Difference. Varieties must differ by the LSD value to be considered significantly different from one another.

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



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Stamina™

Fungicide Seed Treatment

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Fortenza® Maxim® Quattro with Stamina® provides early-season insect spectrum control of some of the most economically damaging pests such as wireworms, cutworms and seed corn maggot.

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Stamina® fungicide on its own, 'is as essential as morning coffee,' making it a natural to add to the treatment package. Stamina® provides early-season defense against Pythium, Rhizoctonia and Fusarium seed decay.

The increased vigour observed at emergence can quickly translate to increased bushels at harvest. Consistent emergence avoids runt plants and each day of emergence delay risks yield loss.

At later growth stages, Stamina® aids in the evenness of crop development, with silks emerging more evenly. The optimum time to apply fungicide or insecticide is when all plants have at least one inch of emerged silks and the silk/ear is what we really want to protect, so consistent silk emergence is important.

As the Fortenza® Maxim® Quattro with Stamina® package rolls out, PRIDE Seeds will continue to monitor its efficacy across the country as the most effective non-class 12 option available to growers.



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Manitoba Agriculture Variety Guide

BUCKWHEAT

Comments:

Buckwheat testing by MCVET last occurred in 2017.

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

Variety Descriptions

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

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GRAIN CORN

Comments:

The 2018 grain corn hybrid trial was tested and the data donated by the Manitoba Corn Committee. The data presented is for one year only. Use with caution.

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

Yields are corrected to 15.5% moisture content.

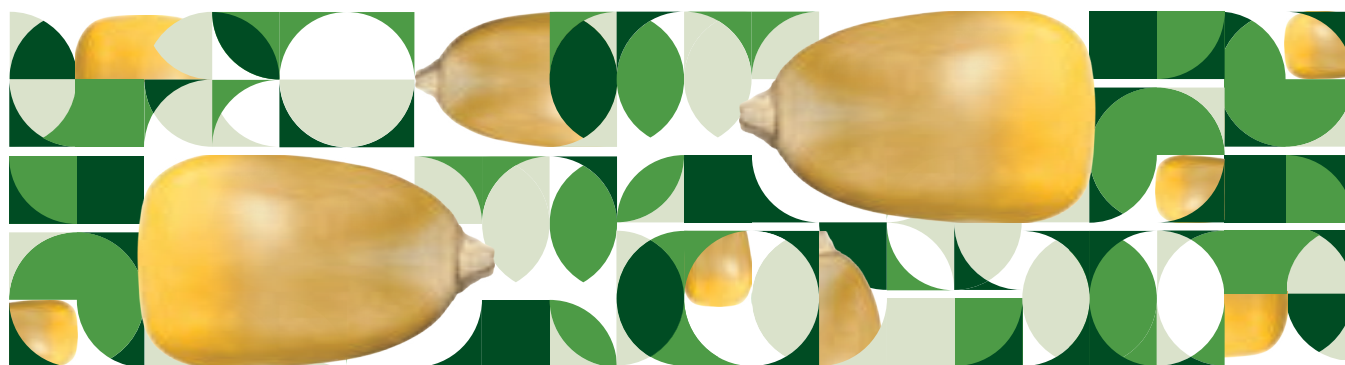
The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis in their brochure. The brochure is available by calling the Manitoba Corn Growers Association office at 204-745-6661 or visiting their website at <https://manitobacorn.ca/manitoba-corn-committee>.

CHU ¹	Hybrid	Company	Technology/ Genetic Traits ²	Carman			St. Pierre		
				Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)
2000	P7005AM	DuPont Pioneer	YGCB/HX1/LL/RR2	—	—	—	120	20.8	56.0
2025	XP18072G2	PRIDE Seeds	VT2P	—	—	—	148	23.6	54.9
2050	P7202AM	DuPont Pioneer	YGCB/HX1/LL/RR2	117	18.5	55.2	128	21.9	54.2
2050	P7211HR	DuPont Pioneer	HX1/LL/RR2	98	19.0	54.9	134	22.0	54.7
2050	TH7673 VT2P	Thunder Seed	RR2 VT2PRIB	—	—	—	152	26.2	55.6
2100	NS 72-521 VT2PRIB	NorthStar Genetics	VT2PRIB	—	—	—	145	28.4	51.8
2100	P7332R	DuPont Pioneer	RR2	120	19.8	54.7	138	23.8	52.9
2100	P7455R	DuPont Pioneer	RR2	134	18.9	57.4	144	22.9	55.1
2100	TH6875 VT2P	Thunder Seed	RR2 VT2PRIB	106	22.7	54.5	159	28.4	51.2
2100	E44H12 R	Elite Seeds	GENVT2P	—	—	—	159	25.6	55.7
2125	PS 2210VT2P RIB	DLF Pickseed	GENVT2P	124	21.8	56.0	169	27.2	52.6
2125	E45K07 R	Elite Seeds	GT	—	—	—	171	27.9	50.7
2150	P7527AM	DuPont Pioneer	YGCB/HX1/LL/RR1	135	20.8	54.0	160	26.0	52.3
2150	A4199G2 RIB	PRIDE Seeds	VT2P	—	—	—	138	26.1	52.8
2150	A4414RR	PRIDE Seeds	RR2	—	—	—	151	27.3	54.1
2150	PV 60075 RIB	Proven Seed	VTDpro,RR2	—	—	—	163	25.7	54.5
2150	MZ 1340DBR	Maizex Seeds	VT2P	125	23.1	55.4	161	27.1	54.2
2150	DKC26-40RIB	DEKALB	VT2P	—	—	—	158	26.0	56.0
2150	NSTRExp31086	NorthStar Seed	GTCBLLBL	122	20.4	58.1	136	26.7	54.5
2175	QS 1877 GTCBLL	Quarry Seed	GTCBLLBL	137	23.0	56.6	—	—	—
2175	TH7677 VT2P	Thunder Seed	RR2 VT2PRIB	125	19.5	55.9	163	26.1	52.8
2200	PS 2320RR	DLF Pickseed	RR2	129	24.4	53.2	172	27.4	53.7
2200	TH6977 VT2P	Thunder Seed	RR2 VT2PRIB	148	23.1	52.9	181	29.0	51.1
2200	HZ 1451	Horizon Seeds	Agrisure 3120 EZ Refuge	—	—	—	145	26.7	53.7
2200	NSTRExp47068	NorthStar Seed	GTCBLLBL	128	22.5	53.9	156	30.8	49.4
2200	QS 1878 GT	Quarry Seed	GT	126	25.0	52.2	—	—	—
2225	P7632AM	DuPont Pioneer	YGCB/HX1/LL/RR2	148	21.1	53.8	156	24.2	51.8
2225	LR 9474 VT2PRIB	Legend Seeds	VT2PRIB	119	22.3	54.3	174	25.6	54.5
2225	TH7578 VT2P	Thunder Seed	RR2 VT2PRIB	132	21.0	55.6	150	26.4	51.8
2250	39V05	DuPont Pioneer	RR2	117	19.9	56.1	161	24.2	52.8
2250	HZ 1885	Horizon Seeds	Agrisure 3010	122	23.1	55.8	157	26.9	52.8
2250	PV 61079 RIB	Proven Seed	VTDpro,RR2	137	24.6	53.5	163	29.8	51.8
2250	MZ 1633DBR	Maizex Seeds	VT2P	145	20.9	55.5	160	24.7	53.5
2275	P7958AM	DuPont Pioneer	YGCB/HX1/LL/RR2	122	21.3	54.9	190	24.6	54.2
2275	39V09AM	DuPont Pioneer	YGCB/HX1/LL/RR2	128	21.8	54.5	150	26.1	51.3
2275	PS 2333RR	DLF Pickseed	RR2	165	27.1	54.5	189	30.0	54.5
2275	LR 9676 VT2PRIB	Legend Seeds	VT2PRIB	125	23.0	55.6	170	26.8	53.9
2275	PV 61180 RIB	Proven Seed	VTDpro,RR2	134	23.3	52.6	171	29.5	50.6
2280	LR 9976 VIP 3220 EZREF	Legend Seeds	VIP 3110	113	20.2	58.4	134	26.4	54.2
2300	PS 2420RR	DLF Pickseed	RR2	145	27.4	52.5	190	30.6	52.1
2300	XP18078G2	PRIDE Seeds	VT2P	113	20.9	55.2	160	26.3	51.7
2300	HX H101V	Horizon Seeds	Agrisure Vipera 3110	133	23.4	55.5	166	27.3	54.6
2300	E49K32 R	Elite Seeds	GENVT2P	133	21.1	54.0	185	26.4	53.8
2300	MZ 1624DBR	Maizex Seeds	VT2P	146	20.9	55.3	168	25.2	54.1
2300	MZ 1688DBR	Maizex Seeds	VT2P	124	19.9	55.3	—	—	—
2300	NSTRExp13110	NorthStar Seed	GTCBLLBL	126	23.3	54.8	151	29.0	52.0
2325	TH6982 VT2P	Thunder Seed	RR2 VT2PRIB	124	21.8	54.3	168	26.2	52.3

CHU ¹	Hybrid	Company	Technology/ Genetic Traits ²	Carman			St. Pierre		
				Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)
2350	NS EXP78G	NorthStar Genetics	GTCBLL	109	22.1	54.3	174	28.5	50.2
2350	PS 2444VT2P RIB	DLF Pickseed	GENVT2P	105	22.9	55.4	159	31.0	49.7
2350	HZ 675	Horizon Seeds	Agrisure 3010	115	27.0	52.9	134	33.8	50.5
2350	PV 62282 RIB	Proven Seed	VTDpro,RR2	144	24.0	54.5	—	—	—
2375	TH7681 VT2P	Thunder Seed	RR2 VT2PRIB	121	21.4	54.6	160	26.8	52.2
2400	NS 79-521	NorthStar Genetics	VT2PRIB	127	23.0	54.0	148	26.7	52.4
2400	P8234AM	DuPont Pioneer	YGCB/HX1/LL/RR3	144	21.6	53.8	177	26.8	51.7
2400	A4939G2 RIB	PRIDE Seeds	VT2P	144	23.1	54.3	190	28.0	52.3
2400	EXP18-8067	Legend Seeds	VIP 3220 EZREF	132	24.3	55.3	—	—	—
2400	HX J201Y	Horizon Seeds	Agrisure Vipera 3220 EX Refuge	—	—	—	169	30.3	52.4
2400	E50P52 R	Elite Seeds	GENVT2P	136	22.5	54.8	168	25.6	53.3
2450	LR 9583 VT2PRIB	Legend Seeds	VT2PRIB	121	26.2	52.3	195	30.0	51.4
2450	E52V92 R	Elite Seeds	GENVT2P	131	24.1	54.3	170	28.7	51.5
2450	DKC32-12RIB	DEKALB	VT2P	150	20.8	54.6	176	26.7	52.2
2450	DKC33-78RIB	DEKALB	VT2P	135	22.5	54.9	178	27.3	52.5
2450	2123VT2P RIB	CROPLAN	VT2P	134	19.4	55.3	—	—	—
2475	XP18080G2	PRIDE Seeds	VT2P	132	22.2	53.6	163	27.1	52.5
2490	LR 9983 VT2PRIB	Legend Seeds	VT2PRIB	119	26.2	51.6	—	—	—
2500	P8387AM	DuPont Pioneer	YGCB/HX1/LL/RR2	113	22.7	52.3	166	29.1	51.3
2500	2288VT2P RIB	CROPLAN	VT2P	142	24.2	53.8	—	—	—
2550	DKC35-88RIB	DEKALB	VT2P	151	24.6	53.1	191	29.6	51.2
2575	A5225G2 RIB	PRIDE Seeds	VT2P	131	27.2	52.8	—	—	—
2625	2587VT2P RIB	CROPLAN	VT2P	159	24.5	52.9	—	—	—
Site Average				130	22.6	54.5	161	27.1	52.7
CV (%)				11.9	5.4	1.7	8.6	5.5	2.1
Sign Diff				Yes	Yes	Yes	Yes	Yes	Yes
LSD (0.05)				25	2.0	1.5	23	2.4	1.8
Planting Date				15-May			11-May		
Harvest Date				22-Oct			19-Oct		

1 Each company assigns a corn heat unit (CHU) rating to each of their hybrids. The CHU rating is a measure of relative maturity and is one criteria for choosing a hybrid which is suitable for your growing region.

2 Canadian Seed Trade Association (CSTA) website provides a database for corn hybrids available in Canada at <https://seedinnovation.ca/hybrid/>. Information includes technology brand name and refuge requirements.



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INDUSTRIAL HEMP

Comments:

A licence from Health Canada is required to grow Industrial Hemp.

THC testing for some varieties is required.

As per the Industrial Hemp Regulations, industrial hemp varieties must be approved for commercial cultivation under licence for the current crop year. Please refer to Health Canada's "List of Approved Cultivars for the 2019 Growing Season" report prior to seeding.

Please note that the Industrial Hemp Regulations requires that all seed planted for the production of industrial hemp in Canada must be of pedigreed status (Certified or better).

For more information, please refer to Health Canada's website at www.healthcanada.gc.ca/hemp.

Variety Descriptions

	Yield %	Site Years	2018 Yield: % CRS-1				
Variety	Check	Tested	Arborg	Carberry	Melita	Roblin	
Altair☺	84	4	85	99	71	81	
Alyssa	82	13	—	—	—	—	
Anka	79	14	73	72	69	75	
Canda	107	26	101	95	88	102	
CanMa	88	3	—	—	—	—	
CFX-1	94	22	—	—	—	—	
CFX-2	96	24	95	—	119	93	
CRS-1	100	25	100	100	100	100	
Delores	97	21	—	—	—	—	
Finola☺	60	16	—	—	—	—	
Grandi☺	95	8	89	—	113	107	
GranMa	78	1	—	—	-	-	
Joey	110	21	104	101	86	94	
Judy	72	3	—	—	—	—	
Jutta	94	8	—	—	—	—	
Katani☺	95	8	94	—	110	102	
Piccolo☺	83	5	—	—	—	—	
Silesia	76	19	49	79	62	74	
X-59☺	101	19	89	—	87	100	
CHECK CHARACTERISTICS			CRS-1 (lb/acre)	1025	716	700	890
CRS-1	1232	32	CV%	9.0	13.0	10.0	9.0
	lb/acre	site years	LSD%	12	17	12	12
			Sign Diff	Yes	Yes	Yes	Yes
			Seeding Date	22-May	17-May	17-May	28-May
			Harvest Date	30-Aug	31-Aug	30-Aug	28-Aug



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FOREVER.”**

-Lorne Hamblin, Redview Farms Ltd.

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Distributor Contacts for Listed Varieties in Seed Manitoba 2019

Look up variety within the correct CROP KIND to find the company, then look for company phone number in the box at bottom of section.

BUCKWHEAT

AC Manisoba	SeCan
AC Springfield	Springfield Mills Inc.
Horizon	Mancan Genetics Ltd.
Koma	Springfield Mills Inc./Fisher Seeds/ Durand Seeds
Koto☼	Fisher Seeds
Mancan	Public
Manor	Public

GRAIN CORN

- see Grain Corn table for specific hybrids, then check Distributor table below for phone number -

INDUSTRIAL HEMP

Alyssa	Parkland Industrial Hemp Growers Coop Ltd.
Anka	Ontario Hemp Alliance
Canda	Parkland Industrial Hemp Growers Coop Ltd.
CanMa	PhytoGene Resources Inc.
CFX-1	Hemp Genetics International Inc.
CFX-2	Hemp Genetics International Inc.
CRS-1	Hemp Genetics International Inc.
Delores	Parkland Industrial Hemp Growers Coop Ltd.
Finola☼	Hemp Oil Canada Inc.
Grandi☼	Hemp Genetics International Inc.
GranMa	PhytoGene Resources Inc.
Joey	Parkland Industrial Hemp Growers Coop Ltd.
Judy	Parkland Industrial Hemp Growers Coop Ltd.
Jutta	Ontario Hemp Alliance
Katani☼	Hemp Genetics International Inc.
Piccolo☼	Hemp Genetics International Inc.
Silesia	Alberta Innovates Technology Futures
X59☼	Terramax

DISTRIBUTOR

PHONE NUMBER

Alberta Innovates Technology Futures.....	1-780-632-8436
Nutrien Ag Solutions	1-403-652-5820
Delmar Commodities (Legend Seeds).....	1-204-331-3696
DLF Pickseed Canada Inc. (PICKSEED)	1-204-633-0088
DuPont Pioneer (Pioneer)	1-800-265-9435
Durand Seeds	1-204-248-2268
Elite (BrettYoung)	1-800-665-5015
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Hemp Genetics International Inc.....	1-604-607-4953
Hemp Oil Canada Inc.....	1-800-289-4367
Horizon Seeds Canada ULC.....	1-855-983-7255
Maizex Seeds Inc.	1-877-682-1720
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Monsanto Canada Inc. (DEKALB).....	1-800-667-4944
Northstar Seed Ltd.	1-800-430-5955
NorthStar Genetics Ltd.....	1-204-262-2425
Ontario Hemp Alliance	1-613-281-2734
Parkland Industrial Hemp Growers Coop Ltd.....	1-204-629-4367
PhytoGene Resources Inc.....	1-613-240-4120
PRIDE Seeds	1-800-265-5280
SeCan	1-800-665-7333
Springfield Mills Inc.	1-204-362-1524
Thunder Seed Inc. (Thunder Seeds).....	1-204-750-2192
Terramax.....	1-306-699-7368



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Growers List



BUCKWHEAT

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ☼ protected or pending under UPOV 1991; "*" listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

HORIZON

Oak Bank; Kyle, Lorne C. & C. Angus.....	204-822-4396	C
Winkler; Walkof, Karl D.....	204-325-4669	C

KENMAR

Morden; Mancan Genetics Ltd.	204-822-4396	F
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MANCAN

Notre Dame De Lourdes; Durand, Gabriel A. & Marc....	204-248-2268	F	C
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INDUSTRIAL HEMP

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and ☼ protected or pending under UPOV 1991; "*" listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

CANMA

Ste. Agathe; Fresh Hemp Foods Ltd. (Fhf).....	204-882-2480	F	C
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CRS-1

Dauphin; Fisher, Roderick Allan & Douglas James.....	204-622-8800	C
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FINOLA☼

Ste. Agathe; Fresh Hemp Foods Ltd. (Fhf).....	204-882-2480	R	C
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GRANMA

Ste. Agathe; Fresh Hemp Foods Ltd. (Fhf).....	204-882-2480	R
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Forage Crops

Key to 2018 Yield or Quality 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.

Forage Variety Registration Changes

Amendments to the Seeds Act, Seeds Regulations are now in effect that streamline the variety registration process for forage varieties.

Forage crops are moved to Part III of Schedule III of the Seeds Regulations. Recommending Committees are no longer required for the registration of forage crop varieties, since the testing and merit requirements are removed. Registration still requires a standard application package to enable the CFIA to continue to protect health and safety, prevent fraud, and facilitate seed certification.



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Manitoba Agriculture Variety Guide

FORAGE ADAPTATION & COMPARISON GUIDE

LEGUMES

Forage	Use	Longevity	Winter Hardiness	Tolerance to:			Preferred Climate and Growing Conditions
				Drought	Flooding	Salinity	
Alfalfa	Hay & Pasture	Long	Good	Good	Low	Low to Moderate	Wildely adapted to most Manitoba soils but will not tolerate areas that have periodic flooding.
Aliske Clover	Hay & Pasture	Short	Fair	Poor	Moderate	Low	Low-lying moist areas.
Birdsfoot Trefoil	Pasture	Long	Good	Moderate	High	Low to Moderate	Moist areas.
Cicer Milkvetch	Pasture	Long	Good	Moderate to High	Low	Moderate	Widely adapted but exhibits its creeding habit best on more coarse textured soils.
Red Clover	Hay & Pasture	Short	Poor	Low	High	Low	Best suited to humid areas with moderate temperatures.
Sainfoin	Pasture	Long	Fair	High	Low	Low	Best on brown and dark brown soil areas. In very dry areas it yields poorly. Does well on thin gravelly soils.
Sweet Clover	Hay & Pasture	2-years	Fair	Moderate to High	Low	Moderate	Especially productive on fertile soils.

TAME GRASSES

Altai Wild Ryegrass	Pasture	Long	Excellent	High	Low	Very High	Loam & clay soils best, but grows on a wide range of soils. Doesn't appear adapted to Manitoba conditions.
Annual (Italian) Ryegrass	Hay & Pasture	Short annual 1 year	Poor	Low	High	Low	Produces best on soils of medium to high fertility and grows best with adequate moisture.
Creeping Foxtail	Pasture	Long	Good	Low	High	Moderate	Adapted to areas where reed canarygrass grows well and soil moisture is continually available.
Creeping Red Fescue	Pasture Lawn	Long	Excellent	Moderate	Moderate	Low	Does best in high rainfall areas. Will grow in wide range of soil types.
Crested Wheatgrass	Hay & Pasture	Long	Excellent	Moderate to High	Low	Low to Moderate	Adapted to dry areas with good soils but will also establish on lighter soils.
Dahurian Wild Ryegrass	Pasture	Short	Good	Moderate	Low	High	Adapted to all soil zones.
Intermediate Wheatgrass	Hay & Pasture	Short to Medium	Good	Moderate to High	Low	Low	Well drained soils with ample moisture.

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FORAGE ADAPTATION & COMPARISON GUIDE — Tame Grasses *(continued)*

Forage	Use	Longevity	Winter Hardiness	Tolerance to:			Preferred Climate and Growing Conditions
				Drought	Flooding	Salinity	
Kentucky Blue Grass	Pasture Lawn	Long	Excellent	Moderate	Moderate	Low	Prefers cool and humid. Grows on most soils.
Meadow Bromegrass	Hay & Pasture	Long	Good	High	Low	Low	Grows well on most soils where Smooth Brome does well.
Meadow Fescue	Pasture	Short - Medium	Good	Moderate	High	Low to Moderate	Prefers soil with good moisture and good drainage.
Meadow Foxtail	Pasture	Long	Good	Low	High	Low	Prefers cool moist conditions, high water table.
Orchard Grass	Hay & Pasture	Short	Fair	Moderate	Low to Moderate	Low	Prefers moist conditions. Sandy soils are too dry for good growth unless in high rainfall area.
Perennial Ryegrass	Hay & Pasture	Short	Poor	Low	Low	Low	Needs high precipitation and fertility for high yields. Adapted to wide range of soils.
Pubescent Wheatgrass	Hay & Pasture	Medium	Good	Moderate to High	Low	Low to Moderate	Widely adaptable to precipitation, temperature, elevation, and low fertility soil.
Russian Wild Ryegrass	Pasture	Long	Excellent	Very High	Low	Very High	Can be grown on a wide range of soils. Most productive on fertile loams.
Smooth Bromegrass	Hay & Pasture	Long	Excellent	Moderate	Moderate	Low to Moderate	Well adapted to all soils in Manitoba.
Tall Fescue	Pasture	Medium	Good	Moderate	Moderate to High	High	Variety of soils. Does well on wet, poorly drained soils.
Tall Wheatgrass	Hay & Pasture	Medium	Excellent	Low	High	High	Adapted to saline and imperfectly drained alkali soils.
Timothy	Hay & Pasture	Medium	Good	Low	High	Low	Cool moist areas with good drainage.

NATIVE GRASSES

Awned Wheatgrass	Hay & Pasture	Medium	Good	Moderate	Moderate	Low to Moderate	Prefers moderately sandy to loam soils with good moisture and drainage. Found in moist flats, meadows and low growing bushes.
Big Bluestem	Pasture	Long	Good	Low to Moderate	Moderate	Low to Moderate	Grows under a wide range of conditions.
Green Needlegrass	Pasture	Long	Good	High	Moderate	Low to Moderate	Performs best on medium to heavy textured soils. Prefers moist sites with good drainage.
Little Bluestem	Pasture	Long	Good	High	Low	Moderate	Sandy, gravelly soils with shallow water table or where snow accumulates. Common on prairie upland.
Northern Wheatgrass	Pasture	Long	Good	Very High	Moderate	Moderate	Prefers medium to coarse textured soil.
Prairie Cord Grass	Hay & Riparian	Long	Good	Low to Moderate	High	Low to Moderate	Wide range of soils (sand to clay) - does best on seasonally dry areas, marsh edges, wet meadows, drainageways.
Reed Canarygrass	Hay & Pasture	Long	Good	Moderate	Very High	Low	Moist cool climate. Poorly drained areas subject to temporary flooding.
Side Oats Grama	Hay & Pasture	Long	Good	Moderate to High	Low	Low to Moderate	Adapted to a range of soils. Performs best on fine textured soils. Found on rocky ridges, open grasslands and hillsides.
Slender Wheatgrass	Hay & Pasture	Medium	Good	Moderate	Moderate	High	Widely adapted - prefers sandy loams.
Switch Grass	Pasture	Medium	Fair	Low	Moderate	Moderate	It has potential for good summer pasture when enough moisture. Grows best on loam and sandy loams.
Western Wheatgrass	Hay & Pasture	Long	Excellent	High	Moderate to High	High	Widely adapted - prefers heavy moderately alkaline soil. Tolerates periodic flooding.

Source: Manitoba Agriculture, Food and Rural Development — Forage Adaptation & Comparison Guide

Aphanomyces, pythium, phytophthora.

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INTEGO™ Solo is a Group 22 fungicide registered for control of pythium and phytophthora in soybeans, and also suppresses seed rot caused by aphanomyces in field peas and lentils. This seed treatment strengthens the fight against pythium resistance. And tank mixing INTEGO Solo with other seed treatments provides control of other troublesome diseases like fusarium.

Aphanomyces seems to be everywhere. If you've grown pulses in the past five years, your soil is probably harbouring this pathogen. In 2016, 60 - 70% of pea and lentil fields tested positive for the disease in Alberta and Saskatchewan.¹



Symptoms of aphanomyces can be seen **within 10 days of infection** in peas and lentils.



Pythium and phytophthora live in the soil, waiting for the right **moisture, temperature and host** to activate.



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¹<https://www.topcropmanager.com/diseases/aphanomyces-root-rot-expanding-across-western-canada-19989>



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SILAGE CORN

Comments:

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

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

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

CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor	Elm Creek						
				65% Yield (Mt/ac)	Moisture ³ (%)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre ⁴ (lbs/ac)	Beef/Acre ⁵ (lbs/ac)
2100	TH6875 VT2P	RR2/VT2PRIB	Thunder Seed	21.1	63.5	68.2	28.5	50.3	18766	1846
2125	PS 2210VT2P RIB	GENVT2P	DLF Pickseed	24.5	62.3	67.3	29.3	51.9	21900	2114
2150	AS1017RR EDF	RR2	PRIDE Seeds	24.5	66.4	71.0	25.9	46.4	20735	2229
2150	NSTRExp31086	GTCBLLBL	NorthStar Seed	18.7	59.4	65.7	30.9	53.7	18305	1578
2175	THEXS1876	RR2	Thunder Seed	22.5	70.8	66.5	30.1	51.3	18070	1921
2200	PS 2320RR	RR2	DLF Pickseed	21.2	60.1	64.1	32.3	55.5	18518	1743
2200	FUSION RR	RR2	Elite Seeds	17.6	68.5	66.7	29.9	51.9	13576	1504
2200	LF 7420R	RR2	Maizex Seeds	19.9	61.5	66.6	30.0	51.2	19383	1703
2200	NSTRExp47068	GTCBLLBL	NorthStar Seed	24.2	63.4	67.9	28.7	49.8	21918	2105
2200	QS 1878 GT	GT	Quarry Seed	22.2	70.2	69.2	27.6	49.2	19968	1966
2225	LR 9474 VT2PRIB	VT2PRIB	Legend Seeds	25.8	63.9	70.8	26.1	47.3	22848	2340
2225	TH7578 VT2P	RR2/VT2PRIB	Thunder Seed	22.4	68.4	65.0	31.5	53.9	16739	1873
2250	TH4126 RR	RR2	Thunder Seed	22.6	63.4	61.3	35.0	57.4	19134	1778
2250	HZ 1885	Agrisure 3010	Horizon Seeds	24.6	66.7	68.4	28.3	49.1	19956	2158
2250	PV 61079 RIB	VTDpro,RR2	Proven Seed	24.2	60.5	68.0	28.7	51.2	23728	2110
2250	PV 61180 RIB	VTDpro,RR2	Proven Seed	26.2	65.3	72.4	24.6	46.1	23000	2433
2275	PS 2333RR	RR2	DLF Pickseed	25.1	69.1	66.8	29.9	51.8	20190	2146
2300	PS 2420RR	RR2	DLF Pickseed	22.4	68.8	69.4	27.4	48.8	20112	1995
2300	A4705HMRR	RR2	PRIDE Seeds	26.8	60.0	62.2	34.1	57.9	20747	2140
2300	HX H101V	Agrisure Viptera 3110	Horizon Seeds	24.5	62.3	66.2	30.3	54.0	22728	2085
2300	E49K32 R	GENVT2P	Elite Seeds	21.8	65.5	68.2	28.5	51.1	19169	1908
2300	NSTRExp13110	GTCBLLBL	NorthStar Seed	24.6	58.3	68.9	27.9	48.3	21973	2171
2310	LR 99S77RR	RR	Legend Seeds	21.6	70.1	68.6	28.1	50.8	19417	1902
2350	PS 2444VT2P RIB	GENVT2P	DLF Pickseed	23.7	66.5	67.8	28.9	50.4	18500	2062
2350	LR 9579 RR	RR	Legend Seeds	23.8	67.3	68.0	28.7	49.5	17432	2077
2350	HZ 675	Agrisure 3010	Horizon Seeds	24.5	69.7	72.8	24.2	44.1	18693	2286
2350	PV 62282 RIB	VTDpro,RR2	Proven Seed	22.0	65.4	59.3	36.8	59.8	15752	1673
2375	AS1037RR EDF	RR2	PRIDE Seeds	26.3	67.6	65.9	30.7	53.0	18497	2226
2375	QS 1884 GTCBLLBL	GTCBLLBL	Quarry Seed	20.6	71.1	70.3	26.5	47.1	17018	1861
2375	TH7681 VT2P	RR2/VT2PRIB	Thunder Seed	21.9	64.5	62.6	33.8	58.9	19225	1758
2400	A4939G2 RIB	VT2P	PRIDE Seeds	24.1	60.5	64.4	32.1	53.7	23199	1994
2400	AS1047RR EDF	RR2	PRIDE Seeds	23.0	68.9	67.4	29.2	52.1	17581	1990
2400	LR 9980 VT2PRIB	VT2PRIB	Legend Seeds	24.4	63.7	67.7	29.0	50.6	21221	2117
2400	EXP18-8067	VIP 3220 EZREF	Legend Seeds	25.8	62.0	70.3	26.5	48.4	22207	2331
2400	E50P52 R	GENVT2P	Elite Seeds	22.4	61.5	65.1	31.4	53.8	19493	1867
2400	E55T32 R	GENVT2P	Elite Seeds	22.4	62.5	63.8	32.6	56.1	19638	1837
2450	LR 9583 VT2PRIB	VT2PRIB	Legend Seeds	19.9	70.0	63.4	33.0	55.0	17638	1619
2450	HZ 760GT	Agrisure GT	Horizon Seeds	24.5	68.1	64.2	32.2	54.3	16125	2017
2450	E52V92 R	GENVT2P	Elite Seeds	22.3	65.9	69.1	27.6	50.4	18800	1981
2450	MS 8088R	GT	Maizex Seeds	23.6	62.9	63.9	32.5	55.7	22992	1935
2450	DKC32-12RIB	VT2P	DEKALB	26.5	63.6	70.7	26.2	47.0	22465	2403
2450	2123VT2P RIB	VT2P	CROPLAN	21.3	58.7	65.4	31.1	53.9	18370	1790
2475	PS 2552RR	RR2	DLF Pickseed	26.3	69.2	68.8	27.9	48.9	21032	2324
2475	A5432G2 RIB	VT2P	PRIDE Seeds	19.0	68.5	58.3	37.7	62.4	14110	1418
2490	LR 9983 VT2PRIB	VT2PRIB	Legend Seeds	22.7	67.9	72.8	24.2	42.6	20896	2119
2500	VENZA R	RR2	Elite Seeds	22.1	66.0	63.9	32.5	56.2	17912	1814
2500	2288VT2P RIB	VT2P	CROPLAN	22.9	67.0	59.5	36.7	60.6	18681	1747
2525	E61C37 R	RR2	Elite Seeds	29.7	69.1	69.3	27.5	48.4	23953	2639
2550	DKC34-57RIB	VT2P	DEKALB	22.2	64.8	65.6	30.9	53.1	21035	1870
2600	2417VT2P RIB	VT2P	CROPLAN	25.0	64.8	66.1	30.5	52.7	21125	2122
2625	LR 98A84-3010A	3010A	Legend Seeds	20.1	69.4	75.8	21.4	41.8	17767	1952
2675	2845VT2P RIB	VT2P	CROPLAN	22.0	70.4	70.6	26.2	47.0	18912	1992
Site Averages										
CV				13.17	7.16					
Sign Diff				Yes	Yes					
LSD				5.0	7.6					
Planting Date				10-May						
Harvest Date				07-Sep						

1 Each company assigns a corn heat unit (CHU) rating to each of their hybrids. The CHU rating is a measure of relative maturity and is one criteria for choosing a hybrid which is suitable for your growing region.

2 The Canadian Seed Trade Association (CSTA) website provides a database for corn hybrids available in Canada, <https://seedinnovation.ca/corn-hybrids-database>.

Yields are corrected to 65% moisture content.

The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis in their brochure. The brochure is available by calling the Manitoba Corn Growers Association office at 204-745-6661 or visiting their website at <https://manitobacorn.ca/manitoba-corn-committee>.

St. Pierre										
65% Yield (Mt/ac)	Moisture ³ (%)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre ⁴ (lbs/ac)	Beef/Acre ⁵ (lbs/ac)	CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor
21.5	67.6	60.5	35.7	61.9	20167	1664	2100	TH6875 VT2P	RR2/VT2PRIB	Thunder Seed
20.5	71.0	62.1	34.2	57.3	21605	1636	2125	PS 2210VT2P RIB	GENVT2P	DLF Pickseed
24.9	64.0	64.8	31.7	53.6	27212	2067	2150	AS1017RR EDF	RR2	PRIDE Seeds
17.2	64.7	67.7	29.0	48.8	18890	1497	2150	NSTRExp31086	GTCBLLBL	NorthStar Seed
20.3	69.4	67.5	29.1	50.6	20102	1760	2175	THEXS1876	RR2	Thunder Seed
22.3	67.7	67.2	29.5	48.7	23686	1918	2200	PS 2320RR	RR2	DLF Pickseed
24.5	68.0	62.4	33.9	55.5	27772	1959	2200	FUSION RR	RR2	Elite Seeds
22.4	66.0	69.8	27.0	48.4	26918	2006	2200	LF 7420R	RR2	Maizex Seeds
20.6	67.2	72.6	24.4	42.8	22938	1914	2200	NSTRExp47068	GTCBLLBL	NorthStar Seed
21.1	67.7	68.9	27.9	49.0	23152	1865	2200	QS 1878 GT	GT	Quarry Seed
23.7	67.1	67.2	29.4	50.3	25708	2048	2225	LR 9474 VT2PRIB	VT2PRIB	Legend Seeds
20.4	66.9	62.2	34.2	57.6	22625	1625	2225	TH7578 VT2P	RR2/VT2PRIB	Thunder Seed
23.7	68.3	62.1	34.2	56.9	26473	1889	2250	TH4126 RR	RR2	Thunder Seed
18.5	71.5	65.3	31.2	52.3	20334	1552	2250	HZ 1885	Agrisure 3010	Horizon Seeds
22.1	68.5	62.3	34.1	56.9	24209	1765	2250	PV 61079 RIB	VTDpro,RR2	Proven Seed
22.6	69.8	67.4	29.2	50.4	23498	1956	2250	PV 61180 RIB	VTDpro,RR2	Proven Seed
21.4	72.6	62.0	34.3	57.9	22296	1704	2275	PS 2333RR	RR2	DLF Pickseed
21.3	71.3	60.9	35.3	58.3	22118	1665	2300	PS 2420RR	RR2	DLF Pickseed
23.6	66.9	67.0	29.6	50.9	23786	2033	2300	A4705HMRR	RR2	PRIDE Seeds
23.2	64.9	66.7	29.9	51.1	25246	1981	2300	HX H101V	Agrisure Viptera 3110	Horizon Seeds
22.8	67.2	65.2	31.3	52.9	25185	1905	2300	E49K32 R	GENVT2P	Elite Seeds
22.7	69.7	60.4	35.8	58.7	24051	1760	2300	NSTRExp13110	GTCBLLBL	NorthStar Seed
21.2	69.8	67.9	28.7	52.2	19730	1851	2310	LR 99S77RR	RR	Legend Seeds
21.6	70.4	67.5	29.1	50.5	22081	1875	2350	PS 2444VT2P RIB	GENVT2P	DLF Pickseed
20.7	72.1	70.2	26.6	46.3	22069	1865	2350	LR 9579 RR	RR	Legend Seeds
21.2	72.0	70.9	26.0	46.9	20495	1925	2350	HZ 675	Agrisure 3010	Horizon Seeds
20.0	71.4	66.0	30.5	51.6	22122	1691	2350	PV 62282 RIB	VTDpro,RR2	Proven Seed
25.4	64.5	68.0	28.7	51.0	25565	2211	2375	AS1037RR EDF	RR2	PRIDE Seeds
22.7	69.0	61.0	35.2	57.6	24410	1776	2375	QS 1884 GTCBLLBL	GTCBLLBL	Quarry Seed
22.7	67.3	64.1	32.3	53.6	24753	1871	2350	TH7681 VT2P	RR2/VT2PRIB	Thunder Seed
21.7	68.9	70.7	26.2	47.3	22454	1970	2400	A4939G2 RIB	VT2P	PRIDE Seeds
21.7	72.4	70.3	26.6	50.0	17276	1953	2400	AS1047RR EDF	RR2	PRIDE Seeds
22.6	67.4	66.7	29.9	51.1	22949	1935	2400	LR 9980 VT2PRIB	VT2PRIB	Legend Seeds
20.9	68.7	60.4	35.8	58.3	18224	1618	2400	EXP18-8067	VIP 3220 EZREF	Legend Seeds
20.4	70.2	69.3	27.5	48.8	21718	1818	2400	E50P52 R	GENVT2P	Elite Seeds
20.7	74.7	63.8	32.6	56.0	18614	1695	2400	E55T32 R	GENVT2P	Elite Seeds
21.4	70.1	60.2	36.0	60.2	22640	1652	2450	LR 9583 VT2PRIB	VT2PRIB	Legend Seeds
21.1	69.3	61.2	35.0	58.6	20425	1660	2450	HZ 760GT	Agrisure GT	Horizon Seeds
22.7	67.4	66.7	29.9	52.1	24163	1940	2450	E52V92 R	GENVT2P	Elite Seeds
24.2	67.5	59.0	37.1	61.7	25917	1833	2450	MS 8088R	GT	Maizex Seeds
25.2	64.3	62.0	34.3	56.9	24611	2010	2450	DKC32-12RIB	VT2P	DEKALB
22.5	65.9	68.3	28.4	46.9	24503	1968	2450	2123VT2P RIB	VT2P	CROPLAN
24.6	70.2	51.8	43.9	68.1	20578	1633	2475	PS 2552RR	RR2	DLF Pickseed
22.2	69.9	59.6	36.5	59.5	24622	1700	2475	A5432G2 RIB	VT2P	PRIDE Seeds
19.5	72.3	66.4	30.2	49.8	19974	1662	2490	LR 9983 VT2PRIB	VT2PRIB	Legend Seeds
24.7	72.8	53.5	42.2	68.0	25975	1694	2500	VENZA R	RR2	Elite Seeds
21.7	69.3	61.5	34.7	59.3	22233	1716	2500	2288VT2P RIB	VT2P	CROPLAN
24.0	74.0	67.2	29.4	51.9	23210	2072	2525	E61C37 R	RR2	Elite Seeds
22.6	69.5	62.8	33.5	57.1	24741	1820	2550	DKC34-57RIB	VT2P	DEKALB
22.0	69.7	67.5	29.1	49.2	25310	1907	2600	2417VT2P RIB	VT2P	CROPLAN
23.4	66.1	72.9	24.1	43.0	26401	2191	2625	LR 98A84-3010A	3010A	Legend Seeds
23.3	70.3	62.3	34.0	57.6	25127	1863	2675	2845VT2P RIB	VT2P	CROPLAN
Site Averages										
10.59	4.38	CV								
Yes	Yes	Sign Diff								
3.8	4.9	LSD								
06-May	Planting Date									
06-Sep	Harvest Date									

3 Moisture content at harvest.

4 Milk per Acre was calculated using Milk 2006, a model developed by the University of Wisconsin Extension Service.

5 Beef per acre was calculated on the assumption that one pound of beef is produced for every six pounds of TDN.

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Progressive Seeds Ltd.	1-403-782-6169
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Monsanto Canada ULC	DEKALB	1-800-667-4944
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Thunder Seed Canada Inc.	Thunder Seed	1-204-750-2192
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135		
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2010		
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	C
2010		
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	C
4030		
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	C
4010BR		
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	C
4020MF		
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	C
54Q14		
Fisher Branch; Gregory, Lee R. & Adam.....	204-372-6720	C

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54Q25		
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AAC MEADOWVIEW		
Neepawa; Northstar Seed Ltd.	204-476-5241	C
ABLE		
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AC BRADOR		
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Hilbre; Hickman, Wallace.....	204-449-2095	C	
Hodgson; Shergold, Carla	204-372-6490	C	
ALTHEA			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	C	
AMINA			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	F	
BARRICADE SLT			
Winnipeg; Brett-Young Seeds Limited (Ab Acct)	204-261-7932	C	
CALYPSO			
Arborg; King, David	204-376-5486	C	
CORNERSTONE			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
DAKOTA			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
ENDURANCE			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
FG 59W205			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	F	C
FORTUNE			
Winnipeg; Pickseed Canada Inc.....	204-633-0088	C	
GALAXY			
Winnipeg; Pickseed Canada Inc.....	204-633-0088	C	
HAYGRAZER			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
INSTINCT			
Winnipeg; Pickseed Canada Inc.....	204-633-0088	C	
LEGENDAIRY XHD			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	F	
MAGNUM 7			
Fisher Branch; Gregory, Lee R. & Adam	204-372-6720	F	C
MATRIX			
Fisher Branch; Interlake Forage Seeds Ltd.....	204-372-6920	C	
MULTI5301			
Fisher Branch; Interlake Forage Seeds Ltd.....	204-372-6920	C	
OCTANE			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	F	C
OPTIMUS			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	C	
PERFECTION			
Neepawa; Northstar Seed Ltd.	204-476-5241	F	C
PERFORMER			
Fisher Branch; Packulak, Fred G. Jr.	204-372-6417	C	
Neepawa; Northstar Seed Ltd.	204-476-5241	C	

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QWEST			
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RESPONSE WT			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
REVOLUTION MD			
Neepawa; Northstar Seed Ltd.	204-476-5241	F	
ROBUST			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
RUGGED ST			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
RUNNER			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
SHOCKWAVE-BR			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	F	C
SIDEWINDER			
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STEALTH SF			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
STOCKPILE			
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SURGE HG			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	F	C
TH2			
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VISION			
Arborg; Chomokovski, Richard	204-376-5757	C	
Fisher Branch; Packulak, Fred G. Jr.	204-372-6417	C	
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ALSIKE CLOVER

AURORA			
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BIRDSFOOT TREFOIL

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LEO

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Fisher Branch; Plishka, William204-372-6895 C
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Fisher Branch; Shepell, Christopher M.W.204-372-6844 C
Middlebro; Ewacha, Alex204-793-5273 C
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AAC ROYAL

Neepawa; Northstar Seed Ltd.204-476-5241 F

AC KNOWLES

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FLEET

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MONTANA

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MEADOW FESCUE

MERIFEST

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PARDUS

Arborg; Foster, Kyle & Ken & Keith.....204-364-2358 C

PRADEL

Dauphin; Hadway, Mark.....204-629-2089 C
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Fisher Branch; Packulak, Grace.....204-372-6350 C
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PREVAL

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ORCHARDGRASS

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TUNDRA

Neepawa; Northstar Seed Ltd.204-476-5241 C

RED CLOVER

ALTASWEDE

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BEARCAT

St. Norbert; Brett-Young Seeds Limited.....204-261-7932 F C

MERVIOT

Winnipeg; Pickseed Canada Inc.....204-633-0088 C

RAVEN

Winnipeg; Pickseed Canada Inc.....204-633-0088 F

RENEGADE

Winnipeg; Pickseed Canada Inc.....204-633-0088 F

WILDCAT

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REED CANARY GRASS

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AUBADE			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	C	
BIG BANG			
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ELUNARIA			
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FEEDER			
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LACTAL			
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AAC MOUNTAINVIEW			
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NORGOLD			
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Neepawa; Northstar Seed Ltd.	204-476-5241	C	
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	C	

TALL FESCUE

CARNIVAL			
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COURTENAY			
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SAVORY			
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TOWER			
Winnipeg; Pickseed Canada Inc.....	204-633-0088	C	
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TIMOTHY

AAC SOREL			
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AC ALLIANCE			
Winnipeg; Pickseed Canada Inc.....	204-633-0088	C	
AC ANTOINE			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
AC OPAL			
Stead; Zirk, Gerald G.....	204-635-2009	C	
ARLAKA			
Winnipeg; Pickseed Canada Inc.....	204-633-0088	F	C
BARPENTA			
Neepawa; Northstar Seed Ltd.	204-476-5241	C	
BASHO			
Fisher Branch; Bernier, Edward L.....	204-372-6937	C	
CATAPULT			
St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	F	C
CLIMAX			
Ashern; Graham, Lorne.....	204-768-3868	C	
Beausejour; Horosko, Patrick B.....	204-268-3583	C	
Broad Valley; Hnatiuk, Johnny David.....	204-372-6748	C	
Cartier; Qually, Brent.....	204-792-7274	C	
Dauphin; Gawazuk, Cody.....	204-572-5530	C	
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Fisher Branch; Shepell, Christopher M.W.	204-372-6844	C	

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Neepawa; Northstar Seed Ltd. 204-476-5241 F

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Lac Du Bonnet; Mc Intosh, Paul Ramsay 204-268-5081 C
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RICHMOND

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SUMMERGRAZE

Arborg; Finnson, David W. 204-364-2422 C
Arborg; King, David 204-376-5486 C
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Dauphin; Sulatyski, Garry 204-638-5432 C
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Oakville; Intel Seed Ltd.	204-267-7389
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Pilot Mound; Smith Family Seeds Ltd.	204-825-7810
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Portage la Prairie; Portage Co-op	204-637-3030
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Lab Name and Address	Contact	Scope of CFIA Accreditation*		Other Services (not accredited by CFIA)
		Purity & Germination	Disease	
Manitoba				
20/20 Seed Labs (Winnipeg) 3487 Pembina Hwy. Winnipeg, Manitoba R3V 1A4	Shari Lafreniere Tel: 1-877-420-2099 Fax: 1-888-900-1810 shari@2020seedlabs.ca	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XVI to XX	None	
Accu-Test Seed Lab Box 579 2nd Ave. E Rivers, Manitoba R0K 1X0	Dorothy Gerrard Tel: (204) 328-5313 Fax: (204) 328-7400 dgerrard@redsper.ca	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	None	Pulses: Anthracnose, Botrytis Vomitoxin, Ascochyta spp.
SGS BioVision (Winnipeg) Unit 2, 25 Scurfield Blvd. Winnipeg, Manitoba R3Y 1G4	Ken Penner Steve Goosen Tel: 1-877-721-2365 Fax: (204) 775-6614 steve.goosen@sgs.com	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	See BioVision Edmonton Lab	Grain analysis, Vomitoxin Herbicide tolerance testing in RR Canola and LL Canola and RR Soybeans
Integrity Seed Lab Ltd. 8040 Park Royale Way Winnipeg, Manitoba R3V 1L5	Glen Green Tel: (204) 774-1882 Fax: (204) 774-1881 info@integrityseedlab.com g.green@integrityseedlab.com	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	None	Herbicide tolerance testing in RR Canola and LL Canola and RR Soybeans Cereals: Vomitoxin
Saskatchewan				
AG Seed Lab Box 998 Carrot River, Saskatchewan S0E 0L0	Janet Stoner Tel: (306) 768-3335 Fax: (306) 768-2169 agseedlab@sasktel.net	Purity and germination of all crop kinds in Grade Tables I to XX	Barley for True Loose Smut	Cereals: Fusarium. Pulses: Ascochyta, Anthracnose, Botrytus, Sclerotinia Canola: Blackleg, Alternaria, Sclerotinia
Discovery Seed Lab 450 Melville St. Saskatoon, Saskatchewan S7J 4M2	Shirley Baraniski Tel: (306) 249-4484 Fax: (306) 249-4434 sbaraniski@seedtesting.com	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	Barley for True Loose Smut	Flax: Triffid detection Cereals: Vomitoxin, Ochratoxin, fusarium, root rots, Wheat Midge Refuge testing, variety identification (Wheat & Barley) Pulses: Ascochyta, Anthracnose, Botrytis, Sclerotinia Canola: Blackleg, Alternaria, Sclerotinia Herbicide tolerance testing in RR Canola and LL Canola and RR Soybeans, clubroot (plant & soil) Clearfield confirm
Lendon Seed Lab 147 Hodsman Road Regina, Saskatchewan S4N 5W5	Tej Prasad Tel: (306) 585-7333 Fax: (306) 585-7337 lendon.seeds@gmail.com	Purity and germination of all crop kinds in Grade Tables I to VII and XVIII	None	
Prairie Diagnostic Seed Lab Inc. 1105 Railway Ave. Weyburn, Saskatchewan S4H 3H5	Bonnie Ernst Tel: (306) 842-7375 Fax: (306) 842-7376 pdsl@sasktel.net	Purity and germination of all crop kinds in Grade Tables I to VII	Barley for True Loose Smut	
Seed Solutions Seed Labs Inc. Box 1420 Swift Current, Saskatchewan S9H 3G6	Shanna Stolhandske-Dale Tel: (306) 741-9309 Fax: (306) 773-4460 seedsolutions@xplornet.com	Purity: none Germination: Crop kinds in Grade Tables I to VI	Barley for True Loose Smut	
Alberta				
20/20 Seed Labs Inc. (AB) 507-11th Ave Nisku, Alberta T9E 7N5	Carey Matthiessen Tel: (780) 955-3435 Fax: (780) 955-3428 carey@2020seedlabs.ca	Purity and germination of all crop kinds in Grade Tables I to XX	Barley for True Loose Smut	Flax: Triffid detection Pulses: Ascochyta spp.
SGS BioVision (Sherwood Park) 280Portage Close, Unit 310, Sherwood Park, Alberta T8H 2R6	Terry McIntee Tel: 1-800-952-5407 Fax: (866) 589-7051 terry.mcintee@sgs.com	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	Barley for True Loose Smut	Flax: Triffid detection CLEARFIELD confirm in wheat & lentils Cereals: Fusarium spp., Root Rot, Fungal Scan. Pulses: Botrytis, Anthracnose, Ascochyta spp. Canola: Blackleg Varietal Identification in barley & wheat
SGS BioVision (Grande Prairie) Suite C, 12803 - 100 St. Grande Prairie, Alberta T8V 4H3	Michele Kulba Tel: 1-877-532-8889 Fax: (780) 513-0115 michele.kulba@sgs.com	Purity and germination of all crop kinds in Grade Tables I to XX	None	
Precision Seed Testing Box 210 Beaverlodge, Alberta T0H 0C0	Sherry Corvalan Tel: (780) 354-2259 Fax: (780) 354-8955 precisionseed@xplornet.com	Purity: Crop kinds in Grade Tables I to VI, VIII to XI (except orchardgrass), XII to XV. Germination: Crop kinds in Grade Tables I to XI (except orchardgrass) XIII to XV	None	Cereals: Fusarium, Pulses: Ascochyta spp. Canola: Blackleg
Seed Check Technologies Inc. 101, 5906 - 50th Street Leduc, Alberta T9E 0R6	Morgan Webb Tel: (780) 980-8324 Fax: (780) 980-8375 morgan@seedcheck.net	Purity and germination of all crop kinds in Grade Tables I to XX	Barley for True Loose Smut	Fusarium, Blackleg, Alternaria, Sclerotinia, Ascochyta, Anthracnose, Botrytis, Root rot, Dome test, Herbicide tolerance, 1000 Seed weight, Vigour, Tetrazolium, Moisture, Clearfield of Lentil.

*Source: Canadian Food Inspection Agency, September 27, 2018

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Always read and follow label directions.

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Liquid Preinoculant system for soybean

Nodulator® SCG

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