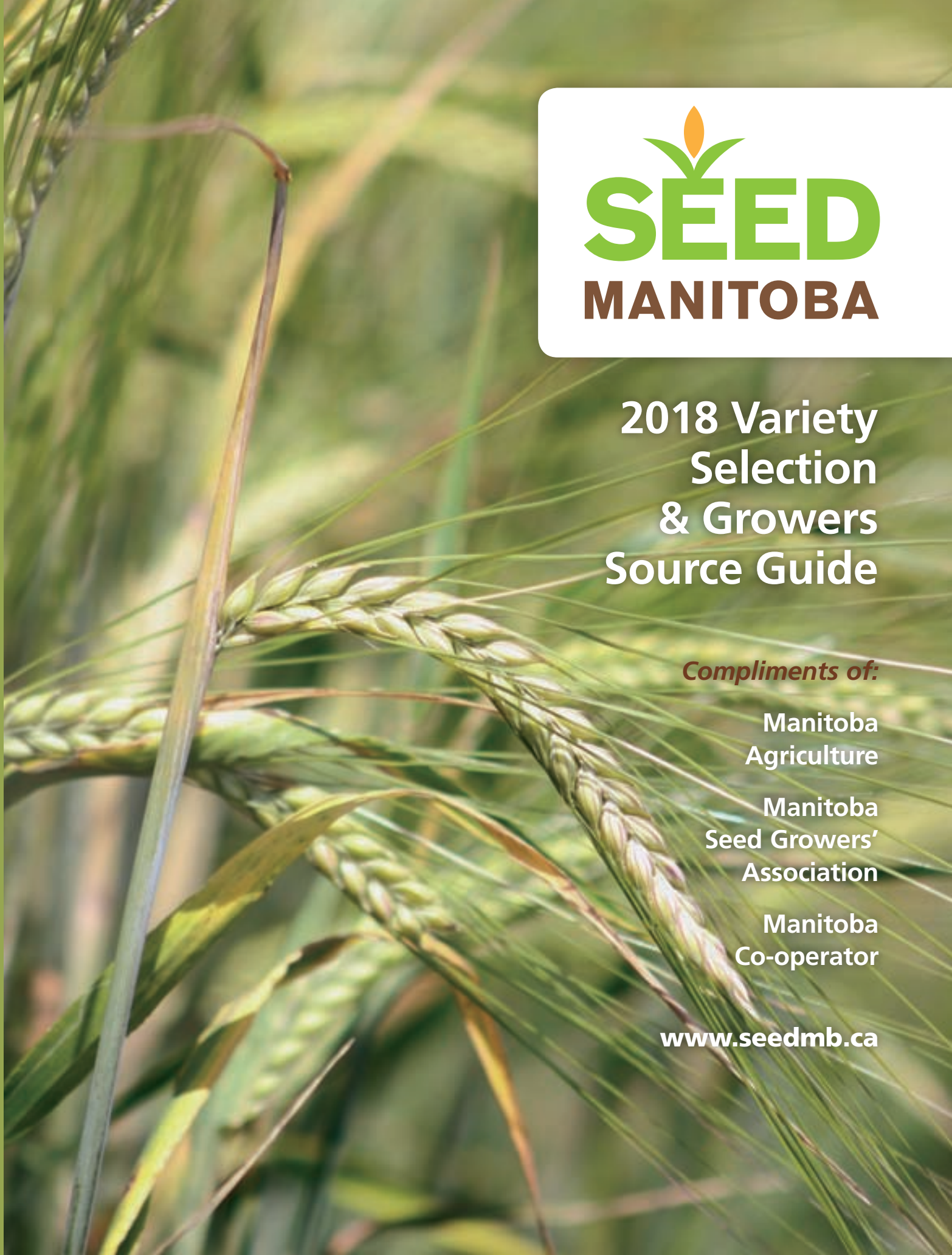

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2018 Variety Selection & Growers Source Guide

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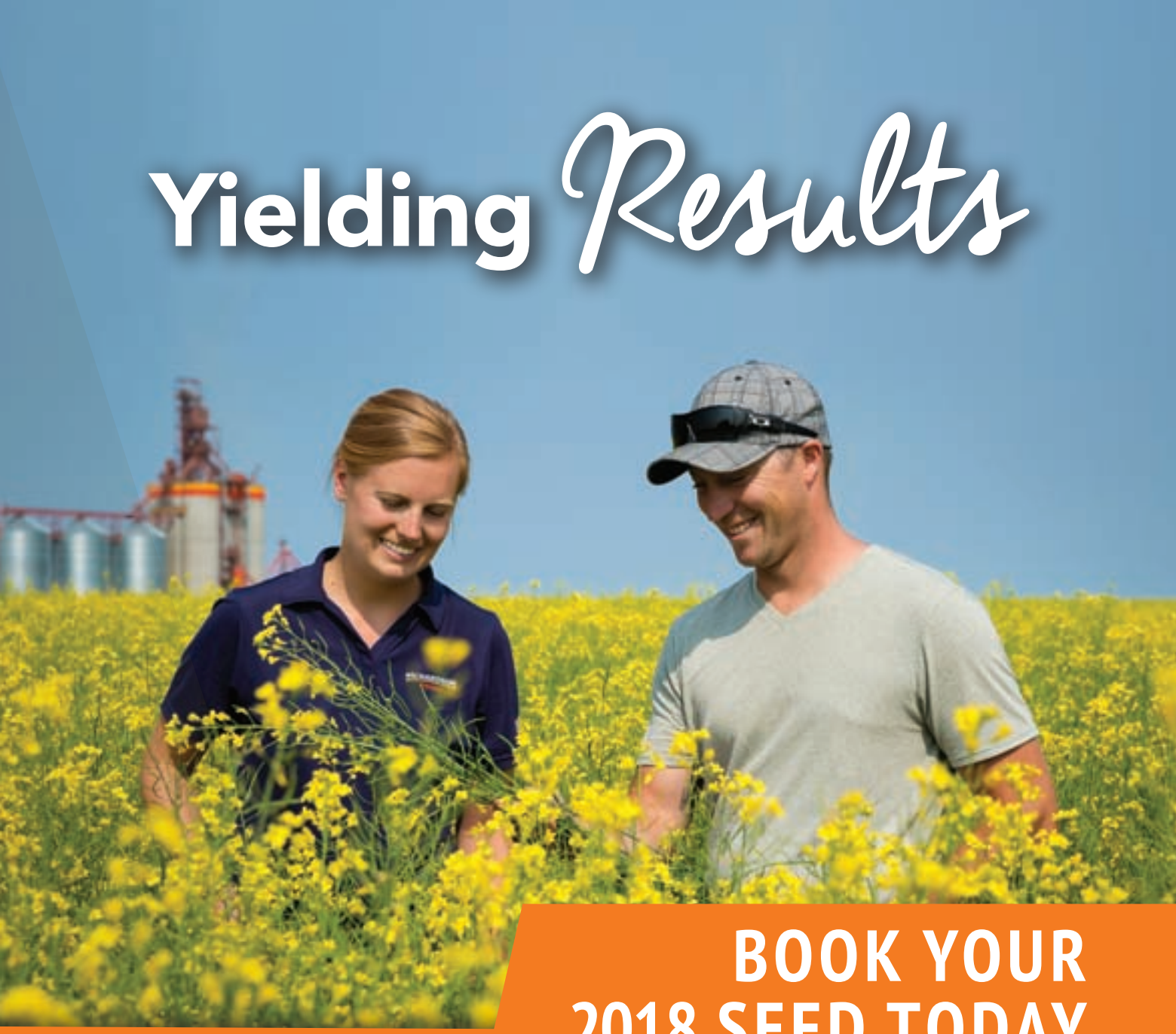

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Seed Manitoba is an annual publication of Manitoba Agriculture and the Manitoba Seed Growers' Association.

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Seed Manitoba
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Phone: 204-745-5663,
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Crops are sorted alphabetically by town and grower (or company) name within variety within crop kind. '⊛' indicates the variety is protected by Plant Breeder's Rights, PBR'78 and '⊛' protected by PBR'91.

Manitoba

Manitoba Seed Growers' Association

Cover photo by
Nirmal Hari, Manitoba Agriculture

Manitoba Co-operator

Supplement to the Manitoba Co-operator
December 7, 2017

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Minister's Message

Manitoba Agriculture is pleased to collaborate with the Manitoba Seed Growers' Association and the Manitoba Co-operator to produce *Seed Manitoba*. This guide is an invaluable tool to assist crop producers in making decisions on varieties with information relevant to all regions of agro-Manitoba.

Seed Manitoba also saves producers significant time and effort to track down and analyze information to assist them in making important production decisions. The guide puts time back in your control so you can manage other aspects of your operation thus increasing profitability and reducing risk.

Crop producers play a vital role in making agricultural products one of the province's largest exports, but the impact goes beyond commodity exports. Crop production also contributes to additional value, economic impact and jobs through our province's $4 billion food processing industry and $1 billion agri-products industry.

The guide is made possible through the collaborative efforts of producers, commodity groups, the Manitoba Crop Variety Evaluation Team and Manitoba Agriculture staff.

I wish all producers a successful 2018 growing season.

Honourable Ralph Eichler
Minister of Agriculture

President's Message

The Manitoba Seed Growers' Association is proud to be associated with this 2018 edition of *Seed Manitoba*.

The MCVET (Manitoba Crop Variety Evaluation Team) is an industry group composed of members representing the entire seed production value chain, and relies heavily on the expertise of Manitoba Agriculture staff. Data from all the trial sites run throughout the province is carefully reviewed for optimum variety representation in *Seed Manitoba*. There are many variables in Agriculture, however, the MCVET team does its best to provide accurate, third party, peer reviewed descriptions of a variety's performance. Take advantage of the many trial site locations identified in this Guide to find out how a specific variety may perform in your area.

The Manitoba Seed Growers' Association wishes to thank the extensive network that collaborate and share resources every year to provide this decision-making tool to Manitoba producers. Thank you to Manitoba Agriculture staff, Glacier FarmMedia, Provincial Grower Associations, site co-operators, site contractors and our many industry contributors and sponsors.

Ray Askin
President,
Manitoba Seed Growers' Association

Thank you to MCVET Sponsors and Supporters in 2017

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

- Manitoba Agriculture
- Manitoba Co-operator
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- SeCan
- Manitoba Pulse & Soybean Growers
- Manitoba Wheat and Barley Growers Association
- CANTERRA SEEDS
- FP Genetics
- Seed Depot
- 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.

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

MCVET greatly appreciates the efforts of our site contractors:

- Ag-Quest Inc.
- Canada-Manitoba Crop Diversification Centres
- Crop Production Services
- DL Seeds Inc.
- ICMS Inc.
- Richardson International Kelburn Farms
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- Parkland Crop Diversification Foundation
- Prairies East Sustainable Agriculture Initiative
- Syngenta Canada Inc.
- University of Manitoba
- Westman Agricultural Diversification Organization

WELCOME TO SEED MANITOBA 2018

By Anastasia Kubinec
Seed Manitoba editor, Manitoba Agriculture

Welcome to *Seed Manitoba* 2018, 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 is known to be an independent resource for variety performance comparisons across Manitoba. Data is based on small replicated plots, in trials grown across locations and years in Manitoba. The main data that is collected is yield, other agronomic information is found in 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 years. Caution needs 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 are 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. Canola, Corn, Dry Beans, Soybeans and Sunflowers are coordinated through their crop commodity associations and planted where they deem appropriate.

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.

To visually have a better understanding of where the trials and locations are, see '2017 Locations of Variety Evaluation Trials' map and table on pages 16 and 17.

CHANGES IN *SEED MANITOBA* 2018

In the Oilseed Section, there is a new soybean table providing data for the Western Manitoba Conventional Soybean variety adaptation.

In the Forage section, as limited public forage variety testing is conducted, the section has been reduced to show general "Forage Adaptation and Comparisons" table and data on 2017 corn silage trials.

The biggest changes in the *Seed Manitoba* are the people! I would like to welcome Anne Kirk as the new Cereal editor and provincial Feed Grains Specialist, Chami Amarasinghe as the new provincial Agri-Genetics Specialist and Dane Froese as the new Oilseed editor and provincial Oilseed Specialist.

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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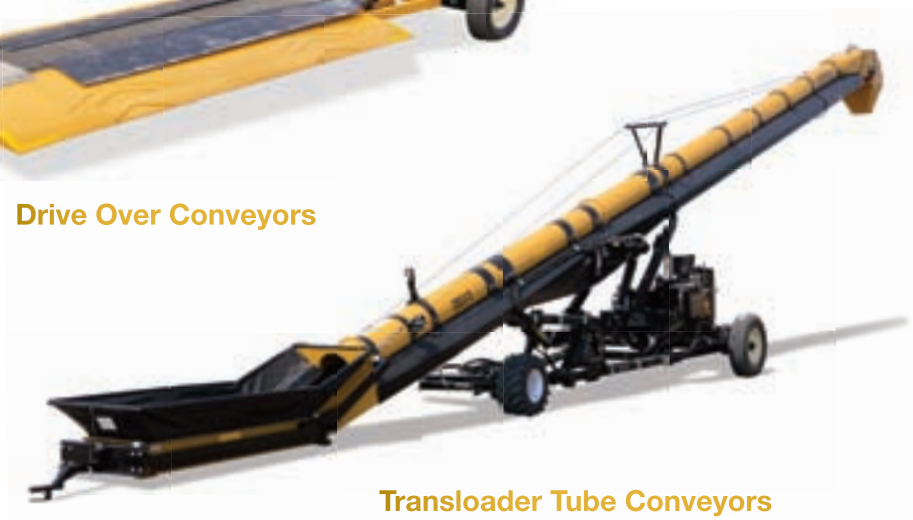

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MANITOBA'S 2017 SOYBEAN CROP STRESSED

There were diseases, insects, and probably the most important of all, not enough moisture at critical times

BY ALLAN DAWSON
Co-operator staff

Soybeans struggled in Manitoba in 2017.

There were a combination of stressors, including iron deficiency chlorosis (IDC), root rots and soybean aphids, but probably the biggest was dry weather, especially in late July and early August when the crop needs moisture to yield well.

Last year, Manitoba soybeans set a new record average yield of 42 bushels an acre, no doubt contributing to the seeding of a record 2.3 million crop insured acres this spring. Manitoba's official 2017 average soybean yields won't be released until early next year, but Dennis Lange, Manitoba Agriculture's pulse specialist, is guessing they'll be around 32 to 34 bushels an acre — down from the five year average of 38.

"There were a lot more 20-bushel yields than we've seen in previous years," he said in an interview Oct. 16. "Last year there were some low yields in areas that just got way too much rainfall in early spring. This year it was due to dry conditions at the end of July and early August. One of the limiting factors for soybeans is rainfall, and rainfall at the critical time."

Some farmers were pleasantly surprised with yields of 50 bushels an acre, but there just weren't enough of them to bring up the provincial average.

Manitoba Agriculture's final crop report of the year issued Oct. 16 has the following yield estimates: 30 to 35 bushels an acre in the Southwest region, 30 to 50 in the Northwest, 15 to 50, averaging 32 to 35 in the Central region, 35 in the eastern region and 17 to 45 in the Interlake, averaging 32 to 35.

IDC

Spring started off dry and a bit cool in most areas. That contributed to IDC symptoms lasting longer than normal. IDC usually disappears after a week to 10 days when soybeans are in the second and third trifoliate. This year, in some cases, it dragged on for three to four weeks, Lange said. Soluble salts were higher in the soil this spring due to the lack of rain, he said.

Usually, IDC is occurs because plants are unable to take up iron. To tackle it in future years, Lange recommends farmers soil test to measure carbonates and salt levels and then select the appropriate varieties.

> **"The water table was so low that a loss of some of the root system had that much greater affect on the plant above ground."**
>
> *Holly Derksen*

"If you're over five per cent carbonates and you're greater than one micro mhos (mmhos) per centimetre you're in the range for iron chlorosis," he said.

"Once you know where you're at, go to *Seed Manitoba* and look for more tolerant varieties — varieties with low (IDC) scores. Anything around 1.7 rating or lower, put it on fields where carbonates and salts are higher, and that will help.

"The lower the score the better it is for IDC. Anything that rates 1.7 or lower is considered a tolerant variety. Anything over 2.3 is considered a susceptible variety. In the mid-range is anything from a 1.8 to a 2.2. You will probably see some yellowing depending on the carbonates and salts. It can be greater if the levels are higher."

ROOT ROTS

More root rots — fusarium and phytophthora — were showing up earlier than usual, which was counterintuitive, said Holly Derksen, Manitoba Agriculture's field plant pathologist.

Normally root rots are worse under wet conditions. It turns out even though it was dry, there was enough soil moisture for roots to become infected.

"The water table was so low that a loss of some of the root system had that much greater affect on the plant above ground," Derksen said in an interview Oct 17. "They needed all the roots they could get to get the little moisture that is there."

Phytophthora, which can kill soybean plants and is normally spotted later in the growing season, showed up early too.

Treating seed with a fungicide can help protect against root rot, but the protection only lasts two to three weeks after seeding, Derksen said.

If phytophthora root rot has been a problem, farmers should consider treating soybean seed with the highest rate of a product containing metalaxyl, she added.

They should also consider planting varieties that offer genetic protection against the disease. (See chart) Check *Seed Manitoba* for a list of resistant varieties.

If phytophthora root rot hasn't been a problem, farmers can keep it that way by planting soybeans once in three or more year rotation, Derksen said.

"Unfortunately if you had a problem this year rotation is not going to help," she said.

After a record setting average 42-bushel an acre soybean yield last year, Manitoba's 2017 soybean crop struggled with a combination of stressors, including not enough moisture at critical times in the growing season. PHOTO: ALLAN DAWSON

Races of Phytophthora sojae found in Manitoba and the resistance genes in soybean varieties available in Manitoba. 'R' indicates a resistant reaction. 'S' indicates a susceptible reaction

	SOYBEAN RESISTANCE GENE FOR PRR (currently available in MB)			
Race of P. sojae	1c	1k	3a	6
4	S	R	R	R
3	R	R	R	R
25	S	S	R	R
28	R	S	R	R

Source: Manitoba Agriculture

SOYBEAN APHIDS

Soybean aphid numbers were up in 2017, said Manitoba Agriculture entomologist John Gavloski. The pests were found in some fields in early July. By the end of July, populations were high enough in some fields — 250 soybean aphids per plant and rising— to make a pesticide application economic.

"Certainly numbers were quite high this year," Gavloski said in an interview Oct. 18. "We also had a lot of natural enemies move in eventually. It made decision making (about spraying) tricky because we had high aphid levels, but eventually levels of lady beetles, lacewings, and syrphid larvae got high in some of the fields.

"Do you let the natural enemies take them down or do you spray the crop? There were quite a few fields sprayed."

Since soybean aphids mainly blow in from the United States there's no way to know if populations will be high again next year, Gavloski said.

Lange suggests farmers consider the economics of treating soybean seed with an insecticide to protect against soybean aphids. It also works on wireworms and seedcorn maggots. The treatment controls soybean aphids, but for only about 45 days after seeding. Most years, soybean aphids aren't an issue until later than that, he said.

"A seed treatment for soybean aphids isn't your best choice," Lange said. "You are better off managing it in crop (if it shows up) because then you can make the determination if you need to spray or not. Over the last five years, there have only been a couple where some growers had to spray. This year was a bit worse than what we've seen in previous years, but not everybody sprayed either."

VARIETY SELECTION

To get the best yields, pick soybean varieties suitable for your maturity zone.

"We have not had a killing frost (early) in over seven years," Lange said. "This year beans matured in a good fashion, but we didn't have any killing frost in September either. So the temptation might be to go to a longer season variety in an area that maybe isn't suited for it. Use the maturity map to help pick your variety."

A variety that's two or three days later maturing in Carman could need an extra week to mature at Arborg, he said.

MY SEED HAS A CERTIFIED TAG… SO WHAT?

Opportunities and advancements when you partner with Certified Seed

By Jennifer Seward
General Manager,
Manitoba Seed Growers' Association

Certified Seed is not a new concept. The Canadian Seed Growers' Association has been certifying seed for Canadian farmers for over a century. The benefits are well known.

1. **Varietal purity** – knowing that the variety you choose and how the variety will perform in your operation. It is security in knowing that characteristics for pest tolerances, and crop uniformity will present during the cropping season.

2. **Access to new traits** – Plant breeders are always improving on what has come before. Higher yields and better pest resistance are constantly being refined. When you grow certified seed, not only are you accessing these improved genetics, but you are also helping to fund the next great generation of varieties. The more you invest, the greater the ability of breeding institutions to overcome new environmental pressures on your crops.

3. **Risk Management and Mitigation** – You want the best genetics in your fields to ensure you are making the most of your input dollars. Planting Certified seed means you're not diminishing your input investments on seed that doesn't start with a high standard quality assurance mechanism behind it.

4. **Buyer Confidence** – The blue tag is proof that you used Certified seed to maintain the value traits of the crop. It's your assurance to grain buyers and others that what you are delivering is what you say it is.

WHERE THE INDUSTRY IS GOING

All sectors of the agricultural industry are moving toward a value chain model — a model based on quality assurances. It means establishing clear lines of production from raw product to end-use. Customers know what they're buying and, when necessary, have third-party assurance the product was grown to their specifications. Access to some markets, and greater profits, can only be realized when you partner with the blue tag.

The Canadian Grain Commission's (CGC) Canadian Identity Preserved Recognition System (CIPRS) is a volun-

tary program that certifies that a company's identity preserved system for the production, handling and transportation of specialty grains, oilseeds or pulses is effective. CIPRS focuses on process control as the best means to ensure a grain company can deliver the right product to its customer every time.

The CGC, in partnership with Canadian Seed Institute auditors, deliver the CIPRS program which includes a series of checks and balances from field to fork, and has seen success in the Soybean Industry. CIPRS certificates are issued by the CGC, demonstrating the integrity and credibility of the program.

Roy van Wyk, Executive Director of the Canadian Seed Institute sees value in the CIPRS program for producers. "These are valuable programs, especially where grain companies are trying to supply the food grade industry and their buyers want to see some form of third party verification of their identity preservation and/or food safety program. Premiums are being paid to farmers that are producing for CIPRS certified companies, in the soybean industry initially, but as end users demand more thorough traceability, I expect CIPRS can take a larger role in how Canada markets commodities globally. The certainty behind Certified seed makes its use integral to making a program like CIPRS work."

MARKET ACCESS

Triffid contamination in the Canadian flax supply stopped shipments to Europe in fall 2009, which historically had bought 80% of the annual Canadian flax supply. Markets have re-opened, but to ensure no contamination in exported flaxseed, planting seed and harvested seeds require genetic testing for Triffid presence. Buying Certified seed provides those tests to the producer, that can then be used along with harvest test results to market flax for export destinations.

PREMIUM CONTRACTING OPPORTUNITIES

Warburton contracts in partnership with Paterson grain, offer significant premiums if the terms followed for chain of custody, harvested grain purity, etc are met. A key requirement is the use of Certified seed to produce the wheat crops. Warburton's has selected varieties to use as flour in their bread production and have chosen varieties based on specific quality characteristics to produce their bread. They need the variety to perform in milling and baking processes the same every time, Certified seed ensures those characteristics are in the end use product.

Warburton's have been working with Canadian farmers for years, and this longevity is strongly tied to the success of their IP programs. Rhyl Doyle, Director of Export Trading for Paterson speaks to this success: "Paterson Grain has been a proud partner of Warburtons for nearly twenty years. The growers involved in the program see good value in these contracts as evidenced by the very low turnover among participating growers". Paterson Grain also offer other IP programs using Certified seed based on growing specific varieties for specific markets.

Seed costs, in the majority of cases, are similar, regardless of if you are using your own grown seed supplies or buying certified. Grain buying companies are looking for market access opportunities and more and more are incorporating Identity Preserved contracts and certification based on Certified seed use. Why not have a blue tag on your seed and tap into opportunities to leverage those dollars.

Is the grass always greener on the other side of the fence?

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The information you'll find lists actual on-farm variety performance reported to MASC by other Manitoba producers. It's unbiased, organized, and aggregated to keep individual data confidential. It will help you make smarter decisions and reduce your risk of losses.

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PLANT GROWTH REGULATORS – A RISK MANAGEMENT TOOL?

PGRs are known for their assistance in reducing lodging and height in wheat, but it doesn't mean high yields

By Anne Kirk
Cereal Specialist, Manitoba Agriculture

Lodging is a major crop production issue, especially in high yielding environments. Yield losses can range from 5 to 40%, with the greatest losses occurring when lodging occurs ten days to two weeks following head emergence. When the crop lodges early in the season, before full stem elongation, plants may recover by "elbowing" to an upright position. Once the crop has flowered, heads will not regain an upright position.

Lodging can be managed through variety selection and agronomics. The risk of lodging increases with a variety with poor standability, a high seeding rate, and high nitrogen rates. Plant characteristics such as stem length, thickness of stem internodes, amount and angle of roots, and head density and shape affect their resistance to lodging. The variety description tables in *Seed Manitoba* show resistance to lodging. High plant populations increase internode shading, which increase internode elongation and create taller, weaker stems. High nitrogen rates have a similar effect; excessive tillering leads to increased internode shading and elongation. Plant growth regulators (PGRs) may be another management tool to reduce lodging.

PGRs are synthetic compounds that alter hormonal activity to beneficially modify plant growth and development. PGRs are used to improve crop standability, as they are intended to produce shorter, thicker, and stronger stems. The effects of PGRs are not well known. There are reports of PGRs increasing yield, as well as reports of PGRs causing stem elongation and reducing yield.

There are two main groups of PGRs, ethylene releasing compounds and gibberellin inhibitors. Ethylene releasing compounds such as Ethrel (active ingredient ethephon) are registered for use on spring wheat between early flag leaf emergence and the swollen-boot stage, Zadoks growth stage (GS) 37 to 45. The more common PGR in Western Canada is the gibberellin inhibitor Manipulator (active ingredient chlormequat chloride). Manipulator is registered for use on spring, winter, and durum wheat between GS 12 and 39. In spring wheat Manipulator can be applied as a single application at the one to two node stage (GS 31-32) or as a split application at the two leaf stage to the beginning of stem elongation (GS 12-30) followed by an application at GS 31-32. A new gibberellin inhibitor, active ingredient trinexapac-ethyl, is in the process of registration for use on wheat.

To evaluate the benefits of PGRs in spring wheat, trials were conducted at the crop diversification centers in Portage, Melita, and Arborg in 2015, and in Melita and Arborg in 2016. Three spring

Figure 1. Manipulator and PGR B are applied at growth stage 31, first node visible.

Figure 2. Arborg trial site PHOTO CREDIT: P. DE ROCQUIGNY

wheat varieties were planted at each site; Waskada (CWRS, tall), AAC Brandon (CWRS, semi-dwarf), and AAC Penhold (CPSR). Treatments included no PGR (check), manipulator at ideal timing (GS 31), split application of manipulator (GS 12-30 and GS31), and an unregistered PGR "PGR B" (GS 31).

PGRs reduced plant height in both years of the trial. On average, the single and split applications of Manipulator reduced plant height by 7 cm and PGR B reduced plant height by 5 cm (Figure 3). In 2015 there was no significant height interaction between variety and PGR treatment. In 2016 Waskada, the taller variety, had a greater height reduction with Manipulator application than AAC Brandon and AAC Penhold, the shorter varieties.

In both years of the trial there was no significant yield difference between the single application of Manipulator and the check treatment. In 2015 the split application of Manipulator resulted in a 3 bu/acre yield decrease from the check treatment, while in 2016 there was no significant yield difference between the check and a split application of Manipulator. In 2016 application of PBG B resulted in a 3 bu/acre yield decrease from the check treatment, while there was no significant difference between the check and PGR B treatment in 2015 (Figure 4). All three wheat varieties had a similar yield response to the PGR treatments in both years of the study.

In both years of the study minimal lodging occurred at the trial locations and there was no yield benefit to applying PGRs. PGRs did result in shorter spring wheat, which in the event of lodging, would be expected to reduce lodging and increase yield potential. The results of this study are consistent with other research that have showed inconsistent yield benefits with PGR application. PGRs can be used as a risk management tool to reduce lodging in high input systems, but cannot be expected to show a consistent positive yield response.

Manipulator is registered for use in Canada, but is not registered for use in the USA. The USA has not established a maximum residue limit (MRL) for chlormequat chloride, therefore wheat treated with Manipulator cannot be exported to the USA. Producers are advised to check with their grain buyer before applying PGRs to their crop.

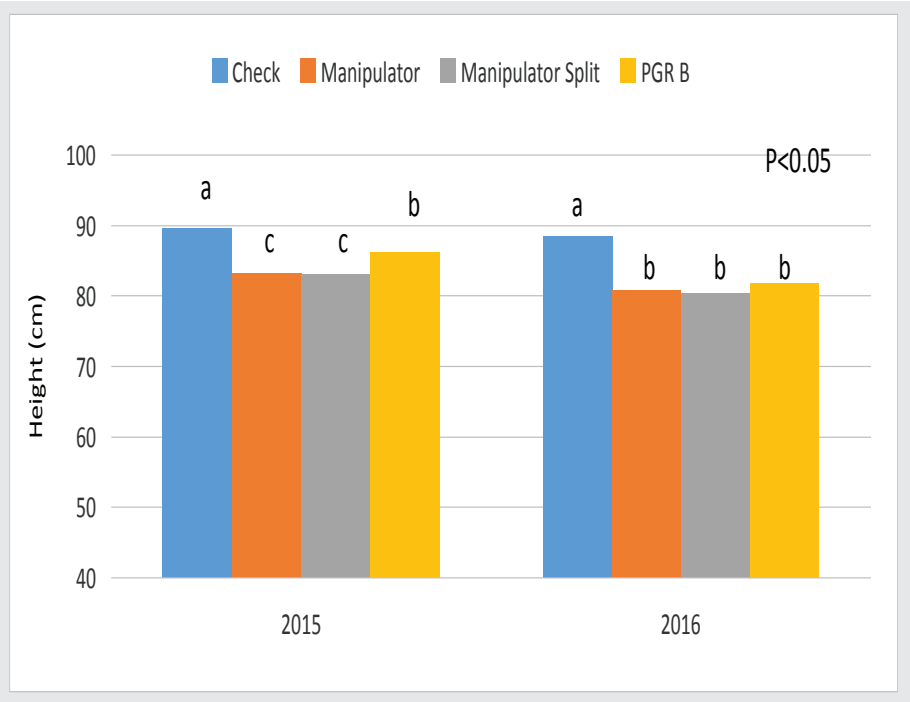

Figure 3. Average spring wheat height (cm) with no PGR treatment (check), Manipulator applied at GS31, Manipulator applied as a split application at GS12-30 and GS31, and PGR B applied at GS31. Statistically significant differences are shown by the letters above the bars. Treatments within the same year with the same letter are not significantly different (P<0.05).

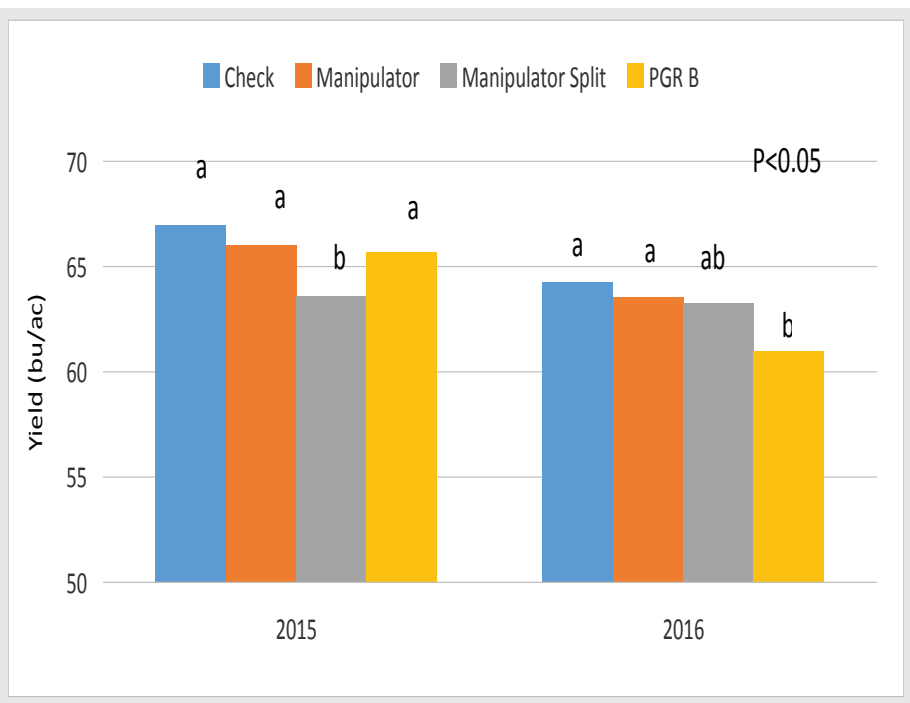

Figure 4. Average spring wheat yield (bu/ac) with no PGR treatment (check), Manipulator applied at GS31, Manipulator applied as a split application at GS12-30 and GS31, and PGR B applied at GS31. Statistically significant differences are shown by the letters above the bars. Treatments within the same year with the same letter are not significantly different (P<0.05).

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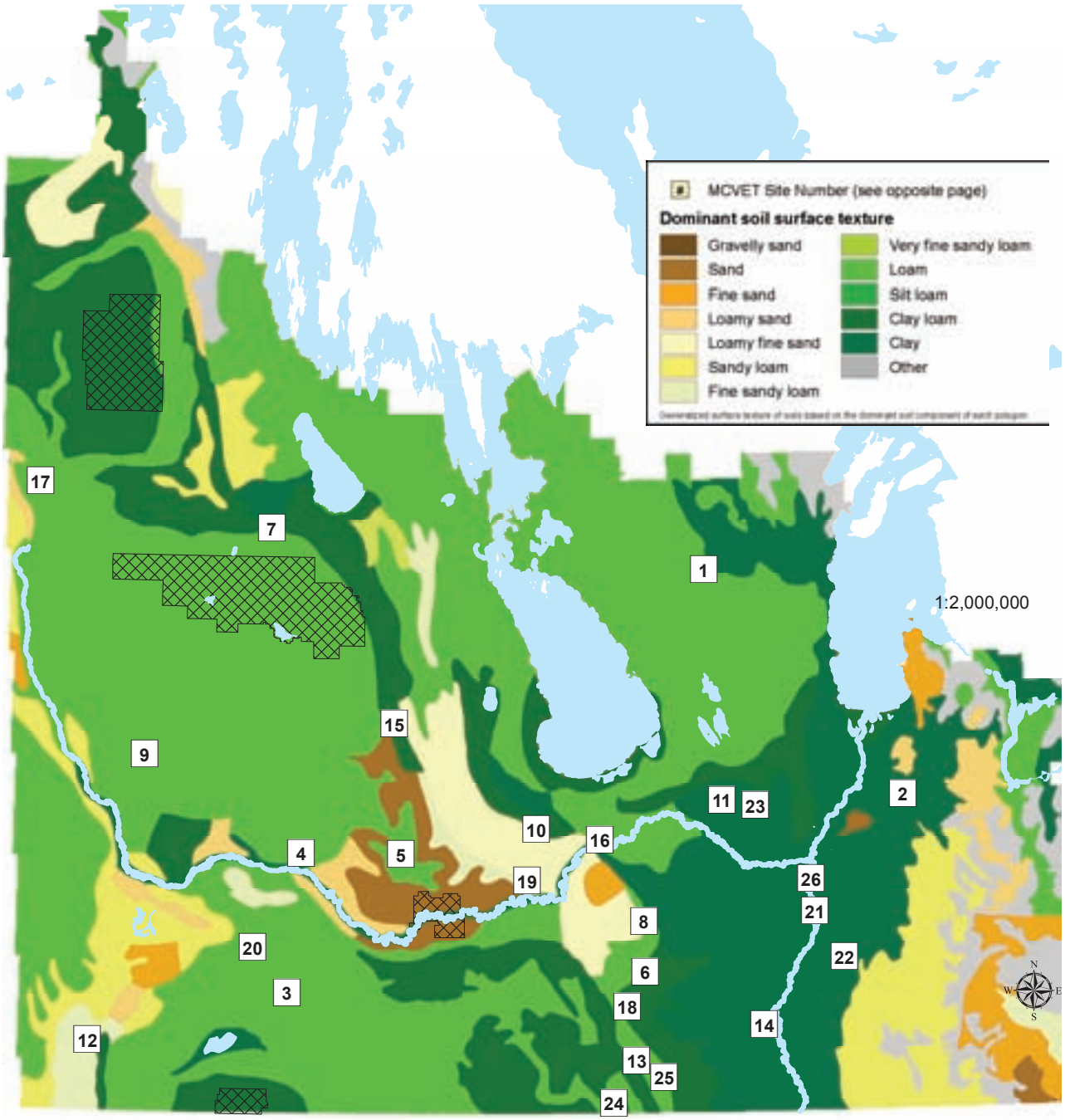
O-66-09/17-10796481-E

2017 LOCATIONS OF VARIETY EVALUATION TRIALS



Canada

Growing Forward

Manitoba

Site Location	Crops Tested	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**	Barley, Fall Rye, Winter Wheat, Canola, Flax, Soybean	PESAI	clay	imperfect	274	80%	1569	105%	Arborg
2 **Beausejour**	Spring Wheat, Barley, Fall Rye, Winter Wheat, Soybean	PESAI	clay loam	imperfect	261	70%	1631	98%	Beausejour
3 **Boissevain**	Spring Wheat, Oat, Barley, Fall Rye, Winter Wheat, Flax, Soybean, Peas, Dry Bean	Ag-Quest Inc.	loamy	imperfect	315	99%	1753	102%	Boissevain
4 **Brandon**	Spring Wheat, Oats, Barley	Agriculture & Agri-Food Canada	clay loam	well	217	66%	1606	103%	Brandon
5 **Carberry**	Fall Rye, Winter Wheat, Sunflower, Soybean, Peas, Dry Bean	CMCDC	clay loam	well	213	65%	1607	103%	Carberry
6 **Carman**	Winter Wheat, Fall Rye, Soybean, Edible Bean, Grain Corn	University of Manitoba, Ag-Quest Inc.	loam	imperfect	221	64%	1762	103%	Carman
7 **Dauphin**	Spring Wheat, Oat, Barley, Soybean, Buckwheat	Ag-Quest Inc.	silty clay loam	imperfect	280	78%	1628	106%	Dauphin
8 **Elm Creek**	Canola, Silage Corn	Ag-Quest Inc.	coarse loam	imperfect	240	70%	1817	106%	Elm Creek
9 **Hamiota**	Spring Wheat, Oats, Barley, Fall Rye, Winter Wheat, Soybean, Peas, Buckwheat	Ag-Quest Inc.	clay loam	well	210	58%	1645	101%	Hamiota
10 **MacGregor**	Grain Corn	Ag-Quest Inc.	coarse loam	imperfect	219	63%	2918	105%	Portage la Prairie
11 **Marquette**	Sunflower	ICMS	clay loam	imperfect	277	79%	1653	99%	Woodlands
12 **Melita**	Spring Wheat, Durum Wheat, Oats, Fall Rye, Winter Wheat, Canola, Sunflower, Soybean, Peas, Lentil, Dry Bean	WADO	loamy	imperfect	209	68%	1799	105%	Melita
13 **Morden**	Flax, Soybean, Edible Bean, Grain Corn	Agriculture & Agri-Food Canada DuPont Pioneer	clay loam	well	233	65%	1862	102%	Morden
14 **Morris**	Soybean	Ag-Quest Inc.	heavy clay	imperfect	205	59%	1772	102%	Morris
15 **Neepawa**	Spring Wheat, Barley	Syngenta	clay loam	well	283	89%	1656	96%	Mountainside
16 **Portage la Prairie**	Spring Wheat, Oat, Barley, Fall Rye, Winter Wheat, Soybean, Peas, Dry Bean	CROP/ICMS Agriculture & Agri-Food Canada	sandy loam	imperfect	219	63%	2918	105%	Portage la Prairie
17 **Roblin**	Oats, Fall Rye, Winter Wheat, Flax, Soybean, Peas, Buckwheat	PCDF	loamy	well	233	65%	1458	99%	Granview
18 **Rosebank**	Spring Wheat, Barley, Fall Rye, Winter Wheat, Soybean	Crop Production Services	loam	imperfect	233	65%	1862	102%	Morden
19 **Rossendale**	Sunflower	ICMS	sandy loam	imperfect	251	73%	1723	101%	Treherne
20 **Souris**	Spring Wheat, Durum Wheat, Barley	Syngenta	clay loam	imperfect	241	74%	1655	106%	Souris
21 **St. Adolphe**	Spring Wheat, Oats, Barley, Soybean	Murphy et al. Inc.	heavy clay	imperfect	237	66%	1774	104%	St. Adolphe
22 **St. Pierre**	Grain Corn, Silage Corn	Ag-Quest Inc.	heavy clay	imperfect	220	65%	1731	104%	St. Pierre
23 **Stonewall**	Spring Wheat, Barley, Fall Rye, Winter Wheat, Flax, Soybean, Dry Bean	Murphy et al. Inc. Solum Valley Biosciences Inc.	clay loam	imperfect	277	79%	1653	99%	Woodlands
24 **Thornhill**	Spring Wheat, Oats, Barley	ICMS/ DL Seeds	loamy	well	233	65%	1862	102%	Morden
25 **Winkler**	Dry Bean	AAFC	sandy loam	well	242	68%	1807	99%	Winkler
26 **Winnipeg**	Fall Rye, Winter Wheat	University of Manitoba	silty clay	imperfect	242	67%	1706	100%	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 2018 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 Anne Kirk at (204) 750-1351 or e-mail anne.kirk@gov.mb.ca

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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Cereal Crops

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 climatic conditions and to some extent on management practices.

Long term yield data is from MCVET plots harvested from 2000 to 2017, while protein is from 2002 to 2017. 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.

Long term yield data may include MCVET plots harvested between 2000 to 2017, while protein may include 2002 to 2017. Time period can vary between crops depending on variety representation. 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 2017 Yield & 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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Aphanomyces- $113 (GST included)

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BARLEY

New for 2018

Variety	Type	Code	Breeder	Distributor	Seed Availability
CDC Goldstar	Malting - 2 Row	TR13812	Crop Development Centre	CANTERRA SEEDS	—

Comments:

Seed of **AAC Connect** , **Claymore** , **Oreana** , and **CDC Ascent** will be commercially available for seeding in Spring 2018.

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 25. 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 varieties **CDC Clear** and **Taylor** are malting types.

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.

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: Lodging	Loose Smut	Surface -borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem[2] Rust	Fusarium[3] Head Blight
Malting: Acceptance - Recommended																
AAC Connect (2)	21	103	12.4	0	-3	-0.5	R	G	S	R	MS	I	MR	MR	MR	MR
AAC Synergy (2)	32	110	12.1	0	-3	-0.4	R	G	S	I	I	MR	R	R	MR	MS
AC Metcalfe (2)	178	95	12.8	0	0	0	R	F	R	I	I	S	I	I	MR	I
CDC Bow (2)	44	104	12.0	1	3	0.5	R	G	S	I	MS	S	MR	I	MR	MS
CDC Copeland (2)	51	96	12.5	0	5	-0.5	R	F	MS	I	I	I	I	S	MR	I
Celebration (6W)	35	103	13.3	-1	5	0	S	G	R	R	MS	S	MR	MR	I	MS
LEGACY (6W)	36	104	13.0	-2	8	0	S	F	I	MR	MR	S	MR	MR	MR	MS
Tradition (6W)	59	103	12.9	2	10	0.8	S	F	S	MR	MR	S	I	MR	MR	S
Malting: Other																
CDC Fraser (2)	32	106	12.0	1	0	-0.7	R	G	R	MR	MS	MR	MR	MR	MR	I
CDC Goldstar (2)	14	103	12.3	0	0	0	R	G	I	R	S	I	MR	I	I	MS
CDC Kindersley (2)	34	102	12.5	-1	-3	0	R	G	S	R	I	MS	MR	I	MR	I
CDC Meredith (2)	42	101	12.3	2	-3	-2.1	R	F	R	MR	I	MS	R	MS	MR	I
CDC Polarstar (2)	20	97	12.7	-1	0	-0.6	R	F	S	R	MS	S	MR	MS	S	MR
CDC PlatinumStar (2)	18	97	12.1	0	3	-0.5	R	F	S	R	S	I	MR	S	I	MR
Bentley (2)	41	102	12.3	0	5	-0.8	R	G	MS	MR	I	MS	R	I	MR	MS
Cerveza (2)	37	109	12.3	1	-5	-1.4	R	F	R	R	I	MS	MR	R	MR	I
Lacey (6W)	41	102	13.1	1	5	-0.7	S	G	I	MR	MR	S	I	MR	MR	S
Lowe	21	98	12.3	2	5	-0.4	R	G	R	R	—	I	MR	I	S	MR
Major (2)	35	107	12.4	0	-3	-0.7	R	G	R	MR	MS	I	MR	MR	MR	I
Merit 57 (2)	39	102	12.4	3	-3	-1.9	R	F	S	I	MR	MS	R	MS	I	MS
Newdale (2)	61	107	12.6	0	-3	-0.5	R	F	S	MR	MR	I	MR	I	MR	I
Sirish	21	104	12.2	1	-13	-0.3	—	VG	S	R	—	MS	MS	MS	S	MS
Stellar-ND (6W)	32	98	12.7	-2	5	0	R	G	MR	R	MS	S	I	MR	I	I
Food and Feed																
AC Ranger (6F)	38	107	12.4	1	-8	0.1	S	G	MS	I	MR	I	MR	MR	MR	S
Altorado	32	109	12.2	0	-5	0.7	R	G	MR	MR	MR	S	I	MS	MR	I
Amisk (6)	30	114	12.6	1	0	-2.3	SS	VG	S	MS	MS	I	MR	MR	MR	S
Brahma (2)	36	107	12.3	0	-5	0.5	R	G	MS	R	MR	S	I	S	MR	I
Breton (6F)	30	103	12.3	0	-5	0.8	S	G	MS	MR	I	I	MR	MR	MR	S
Canmore (2)	32	107	12.4	1	0	0.7	R	G	R	R	I	MS	MR	I	MS	I
CDC Austenson (2)	43	113	12.1	1	0	0.5	R	G	S	R	I	MS	R	MR	I	I
CDC Coalition (2)	39	103	12.3	1	5	0.8	R	VG	R	MR	I	S	MR	I	MR	I
CDC Cowboy (2F)	50	94	13.1	1	15	1.3	R	F	MS	MR	I	I	MR	I	MR	MR
CDC Helgason (2)	24	103	12.3	-1	0	0.8	R	G	R	MR	I	MR	MR	I	I	MS
CDC Maverick (2F)	29	94	13.4	1	10	5.4	S	F	S	R	I	I	MR	I	MR	MR
CDC Mindon (2)	56	95	12.8	1	-3	0.3	R	G	R	R	—	S	MR	I	I	MR
CDC YORKTON (6W)	12	110	12.7	0	13	-3	S	G	MS	MR	MR	I	MR	MR	MR	S
Champion (2)	44	109	12.3	0	0	0.8	R	G	S	R	—	S	I	MS	I	I
Chigwell (6)	41	100	12.3	0	0	-1.6	S	G	MS	R	S	I	MR	MR	S	S
Claymore (2)	44	115	12.0	0	0	-0.2	R	G	S	R	I	S	I	I	MR	I
CONLON (2)	87	92	12.7	-1	-3	0.8	S	G	I	I	I	I	MR	S	MR	MR
Desperado (6F)	44	105	12.6	1	5	2.5	S	G	MS	R	MR	S	MR	MR	MR	S
Gadsby (2)	29	99	12.8	0	8	0.1	R	F	R	R	I	MS	MR	S	MR	I
Muskwa (6)	31	104	12.6	0	-13	1.3	S	G	MS	R	MS	MS	MR	I	MR	S
Oreana (2)	44	109	11.8	2	-13	0.2	R	G	S	R	I	S	MR	I	I	S
Sundre (6)	5	91	12.5	—		—	S	G	MS	R	MS	MS	I	I	I	S
Hulless																
CDC Ascent (2)	21	90	13.7	2	-3	8	R	G	MR	MR	I	S	MR	I	I	MR
CDC Carter (2)	35	90	13.1	1	0	8	R	F	R	R	S	I	MR	I	I	I
CDC Clear (2)	29	95	12.4	2	5	9	R	F	R	R	I	MS	R	I	MR	MR
Taylor (2)	28	81	12.9	0	0	8	R	G	R	I	MS	MS	MR	I	MR	MR
Varieties supported for registration by the PRCOB									**0**							
Malting: Other																
TR10214 (2)	50	104	12.6	1	3	-0.4	R	F	MS	I	S	I	R	I	MR	MR
TR13606 (2)	21	97	12.5	0	0	-0.3	R	VG	R	R	—	I	MR	I	S	I
GRAND MEAN		104	12.6													
LSD (0.05)		4	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	2017 Yield (bu/acre)											
	Arborg	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Neepawa	Rosebank	Souris	Stonewall	St. Adolphe	Thornhill
Malting												
AC Metcalfe (2)	60	79	124	104	117	142	159	120	143	86	121	122
AAC Connect (2)Ω	87	93	135	103	133	147	173	124	160	98	145	143
CDC Bow (2)Ω	89	122	146	97	137	155	181	121	163	91	139	159
CDC Fraser (2)Ω	94	98	139	119	138	154	178	118	173	100	140	142
CDC Goldstar (2)Ω	77	107	140	116	135	156	180	122	166	97	140	147
LoweΩ	87	95	130	119	131	158	171	114	152	95	134	149
SirishΩ	99	107	139	93	142	164	187	112	159	93	150	138
Food and Feed												
AltoradoΩ	101	84	155	107	152	160	197	133	174	111	152	148
Claymore (2)Ω	108	104	154	124	158	171	225	139	174	113	156	157
Oreana (2)Ω	106	102	138	120	149	169	186	134	170	106	157	128
Hulless												
CDC Ascent (2)Ω	78	94	116	75	119	125	158	98	158	73	116	138
Varieties supported for registration by the PRCOB												
Malting												
TR10214 (2)	84	99	127	114	123	147	179	125	156	99	125	123
TR13606 (2)	64	85	133	109	131	164	170	135	148	93	132	133
SITE GRAND MEAN (bu/acre)	87	98	137	108	136	155	180	123	161	97	139	140
CV %	5.9	6.3	4.2	7.0	3.8	3.3	5.9	6.4	5.5	4.9	5.8	9.1
LSD (bu/acre)	9	10	10	13	9	9	18	13	15	8	13	22
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	13-May	02-Jun	05-May	26-May	12-May	06-May	13-May	09-May	19-May	02-May	04-May	09-May
Harvest Date	30-Aug	05-Oct	24-Aug	29-Aug	25-Aug	29-Aug	05-Sep	17-Aug	12-Sep	14-Aug	21-Aug	22-Aug

Protein Comparisons

Variety	2017 Protein (%)											
	Arborg	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Neepawa	Rosebank	Souris	Stonewall	St. Adolphe	Thornhill
Malting												
AC Metcalfe (2)	12.4	14.5	11.9	11.9	11.9	11.4	10.4	—	11.2	11.3	14.2	14.6
AAC Connect (2)Ω	12.1	13.2	11.7	12.1	10.7	11.7	11.6	—	11.4	11.8	13.1	13.9
CDC Bow (2)Ω	12.4	12.7	11.6	11.5	11	11	10.9	—	11	10.9	12.1	12.9
CDC Fraser (2)Ω	12.5	13.1	12.2	11.4	10.6	11.1	9.9	—	10.5	11.3	12.4	13.9
CDC Goldstar (2)Ω	12.4	13.5	11.8	11.8	10.7	10.4	9.3	—	10.6	11.1	13	14.4
LoweΩ	12.4	13.2	10.8	11.9	9.7	10.6	10.7	—	10.6	10.8	13.4	13.9
SirishΩ	11.6	13.1	12	11.8	10.1	10.4	9.5	—	10.3	10.7	12.5	14
Food and Feed												
AltoradoΩ	11.6	13.2	11.4	12.5	10.3	11.7	10.4	—	10.4	10.6	13.1	14
Claymore (2)Ω	11.5	13.1	10.7	11.8	9.3	10.5	10.9	—	10.1	10.5	12.8	13.7
Oreana (2)Ω	10.8	12.5	11.6	11.3	9.8	11.3	9.3	—	9.7	10.7	12.2	14.4
Hulless												
CDC Ascent (2)Ω	12.3	14.8	13.9	13.9	12.1	13.3	11.9	—	12.3	12.6	14.9	15.3
Varieties supported for registration by the PRCOB												
Malting												
TR10214 (2)	12.4	13.8	12.4	11.6	11.5	12.1	10.4	—	10.8	11.6	13.8	14.5
TR13606 (2)	11.6	13.6	11.5	12	10.1	11	10.3	—	10.9	11.8	13.2	14.2
SITE GRAND MEAN (%)	12	13.4	11.8	12	10.6	11.3	10.4	—	10.8	11.2	13.1	14.1

CMBTC™ CANADIAN MALTING BARLEY TECHNICAL CENTRE

2018-19 Recommended Malting Barley Varieties

The following varieties of two-row and six-row malting barley are recognized by the CMBTC as having good agronomic and quality characteristics, as well as substantial or growing market demand. The varieties have been pilot scale tested by the CMBTC and all exhibit good malting and brewing characteristics. All two-row and six-row varieties on the CMBTC recommended list are registered with the Canadian Food Inspection Agency (CFIA). A comprehensive list of all malting barley varieties designated by the Canadian Grain Commission can be found at https://www.grainscanada.gc.ca/legislation-legislation/orders-arretes/ocgcm-maccg-en.html.

Two-Row Varieties

VARIETY	MARKET COMMENTS
CDC Copeland[1]	Established Demand
AC Metcalfe[1]	Established Demand
AAC Synergy[4]	Growing Demand
AAC Connect[2]	Under Commercial Market Development
CDC Bow[1]	Under Commercial Market Development

Note: CDC PlatinumStar[2] and **CDC PolarStar**[2] are currently closed-loop varieties. For contracting opportunities contact Prairie Malt - Cargill Biggar. Marketing opportunities remain for the varieties **Bentley**[2] and **Newdale**[3] and **CDC Kindersley**[1] in certain areas.

The CMBTC and its members recommend:

- Talk with your local malting barley buyer 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.
- For contracting opportunities, contact your grain company representative, local elevator operators, malting companies, or the representative seed company.

Six-Row Varieties

VARIETY	MARKET COMMENTS
Legacy[3]	Limited Demand
Tradition[3]	Limited Demand
Celebration[2]	Limited Demand

New Varieties in Development

The following varieties have been registered with CFIA and are undergoing seed propagation. Both varieties have been pilot scale tested at the CMBTC and exhibit good quality characteristics suitable for all malt and/or adjunct brewing styles.

VARIETY	COMMENTS
CDC Fraser[1]	Two-Row - Undergoing seed propagation
Lowe[1]	Two-Row - Undergoing seed propagation

The following companies have pedigreed seed distribution rights for those varieties that are footnoted:

1 – SeCan	2 – CANTERRA SEEDS
3 – FP Genetics	4 – Syngenta

Questions? Call your selector, seed company, grain handling company or contact the CMBTC.

cmbtc.com

Canada

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OATS

New for 2018

Variety	Code	Breeder	Distributor	Seed Availability
CDC Arborg	OT3085	Crop Development Centre	FP Genetics	2020
ORe3541M	OT6008	Oat Advantage	SeCan	2019
ORe3542M	OT6009	Oat Advantage	SeCan	2019

Comments:

Recent changes within the Manitoba crown rust pathogen population 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 adaptibility 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 **Stride** appears to have improved resistance to Fusarium Head Blight, based on lower DON accumulation, in comparison with other recently registered varieties.

The variety **OT8006** 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	36	155	0	5	0.5	22.8	White	G	R	I	I	I
AAC Nicolas	21	149	-3	15	0.5	24.2	White	G	R	MR	S	—
AC Morgan	14	146	-1	15	-1.0	25.2	White	G	I	S	S	MS
CDC Arborg	5	153	-2	19	0.2	20.5	White	VG	R	I	S	S
CDC Big Brown	42	143	-1	3	0	20.4	Tan	G	R	R	MS	MS
CDC Dancer	16	145	-3	13	0.5	19.6	White	G	R	I	I	MS
CDC Haymaker (F)	36	127	2	25	-1.0	22.0	White	G	MR	S	S	—
CDC Minstrel	40	146	0	8	-0.2	22.3	White	VG	R	MS	I	MS
CDC Morrison	12	135	-2	-3	-1.0	24.4	White	VG	R	MS	I	I
CDC Norseman	30	151	-3	5	-1.0	20.5	White	G	MS	MR	S	I
CDC ProFi	39	131	-3	3	-1.0	20.0	White	G	MS	S	I	MS
CDC Ruffian	38	152	0	0	-0.8	20.5	White	G	R	I	S	S
CDC Seabiscuit	34	143	0	15	-0.5	20.1	White	G	MR	S	I	S
CS Camden	32	159	2	0	-1.5	21.1	White	VG	I	MS	S	S
Furlong	46	138	-1	20	0.5	20.3	Tan	G	R	S	I	MR
HiFi	40	144	-3	15	0	24.7	White	G	MS	I	I	MR
Jordan	40	149	2	8	-2.0	23.6	White	VG	R	I	I	MR
Leggett	131	144	0	0	0	23.0	White	G	R	R	I	MS
ORe3541M	5	148	-2	-2	0.6	23.3	White	VG	R	R	S	MS
ORe3542M	5	150	-1	-2	-1.1	24.4	White	VG	R	R	S	S
Pinnacle	25	151	3	10	-1.2	23.7	White	G	R	S	I	MS
Ronald	19	136	0	3	0	22.1	White	VG	R	S	I	MR
Souris	60	143	-4	0	0.5	20.9	White	G	R	MS	MR	MS
Stainless	25	139	-3	13	-0.5	22.4	Light Grey	G	R	I	MR	MR
Stride	39	143	-2	13	0.6	23.7	White	VG	R	R	I	I
Summit	43	149	0	-3	0.5	20.8	White	G	R	I	I	I
Triactor	43	162	-1	8	-1.5	22.1	White	VG	I	MR	S	MS
Varieties being tested for adaptability in Western Canada												
Akina	21	157	-4	0	0.8	25.6	White	G	R	R	—	—
Bia	17	150	-4	10	-0.2	25.8	White	G	—	S	—	—
Bradley	30	142	2	8	—	21.7	White	G	R	MS	MS	MS
Kara	21	158	-3	-3	1.6	26.3	White	G	MR	MR	—	—
Kyron	13	155	-3	3	0.9	26.6	White	G	—	—	—	—
Nice	17	147	-3	10	1	25.4	White	G	—	MS	—	—
Pomona	13	145	-1	5	2.2	26.1	White	F	—	—	—	—
Varieties supported for registration by the PRCOB												
OT8006	4	146	1	20	1.0	24.5	White/Light Grey	G	R	MS	I	R
GRAND MEAN (bu/acre)		147										
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	2017 Yield (bu/acre) Boissevain	Brandon	Hamiota	Melita	Roblin	St. Adolphe	Thornhill
AAC Justice	202	192	202	176	173	184	171
AAC Nicolas	185	191	159	167	173	197	164
CDC Arborg	187	—	181	—	187	192	178
CDC Haymaker (F)	168	147	157	151	154	184	143
CDC Morrison	167	182	144	156	151	180	150
CDC Norseman	188	208	157	161	179	185	181
CS Camden	174	189	184	164	173	186	221
Leggett	173	171	163	164	159	197	172
ORe3541M	179	—	159	—	178	193	184
ORe3542M	183	—	154	—	155	197	172
Varieties being tested for adaptability in Western Canada							
Akina	181	178	184	154	149	200	189
Kara	180	185	185	156	169	184	203
Kyron	183	183	187	165	188	203	184
Pomona	184	171	165	171	156	159	182
Varieties supported for registration by the PRCOB							
OT8006	180	—	167	—	—	—	198
SITE GRAND MEAN (bu/acre)	180	182	170	161	165	189	179
CV %	3.2	8.0	3.4	4.8	6.0	6.5	5.5
LSD (bu/acre)	10	25	10	14	16	21	16
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	05-May	17-May	06-May	08-May	24-May	04-May	24-May
Harvest Date	24-Aug	31-Aug	06-Sep	23-Aug	05-Sep	24-Aug	13-Sep

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Catellier Seed Service	204-347-5588	Jeffries Seed Service	204-827-2102	Seine River Seed Farm	204-355-4495
Clearview Acres	204-748-2666	Manness Seeds	204-736-2622	Sierens Seed Service	204-744-2883
Court Seeds	204-386-2354	MB Seeds	204-746-4652	Swan Valley Seeds	204-734-2526
Durand Seeds	204-248-2268	Miller Agritec	204-267-2363	Triple "S" Seed	204-546-2590
Ellis Farm Supplies	204-824-2290	Nickel Bros	204-773-6734	Westman Aerial Spray	204-763-8998
Ens Quality Seed	204-325-4658	Pitura Seed Service	204-736-2849	Wheat City Seeds	204-727-3337
Friesen Seeds	204-746-8325	Pugh Seeds	204-274-2179	Wilson Seeds Ltd.	204-246-2119
Gagnon Seed Service	204-447-2118	Redsper Enterprises	204-328-5346	Zeghers Seed Farm	204-526-2145

SPRING WHEAT

New for 2018

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Tisdale	CWRS	PT250	AAFC - Swift Current	SeCan	2019
CDC Adamant VB	CWRS	BW488	Crop Development Centre	FP Genetics	2019
SY Sovite	CWRS	BW1011	Syngenta Canada Inc.	Syngenta Canada Inc.	2018
AAC Crossfield	CPSR	HY1632	AAFC - Lethbridge	CANTERRA SEEDS	2018
AAC Entice	CPSR	HY1627	AAFC - Lethbridge	CPS Canada	2019
AAC Goodwin	CPSR	BW968	AAFC - Swift Current	SeCan	2019
AAC Paramount VB	CWSWS	SWS433	AAFC - Lethbridge	SeCan	2019

Comments:

Seed of Canada Western Red Spring (CWRS) varieties **AAC Redberry**, **AAC Viewfield**, **CDC Hughes VB**, **CDC Landmark**, **SY Slate**, **SY Sovite**, **SY479 VB**, and **SY637**, Canada Prairie Spring Red (CPSR) varieties **AAC Crossfield** and **SY Rowyn**, Canada Northern Hard Red (CNHR) variety **AAC Concord**, and Canada Western Special Purpose (CWSP) varieties **Charing VB** and **Sparrow VB** will be commercially available for seeding in Spring 2018.

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 postmaturity 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 2018* publication deadlines, the Canadian Grain Commission (CGC) has stated effective August 1, 2018, twenty-five (25) spring wheat varieties from the Canada Western Red Spring (CWRS) and four (4) varieties from the Canada Prairie Spring Red (CPSR) class will be designated to the Canada Northern Hard Red (CNHR) class. Varieties published in Seed Manitoba 2018 that will be impacted include the CWRS varieties **Alvena**, **Harvest**, **KANE**, **Unity VB** and the CPSR variety **Conquer VB**.

Producers are strongly encouraged to use the Canadian Grain Commmision'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, 2018 and August 1, 2019.

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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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	Leaf Rust	Stripe Rust	Fusarium[2] Head Blight
Canada Western Red Spring															
5604HR CL	40	65	14.5	-1	10	Y	G	G	MS	I	MS	R	R	—	I
5605HR CL	32	66	14.7	1	10	Y	VG	—	R	MR	MS	MS	R	MR	MR
AAC Bailey	28	54	14.9	-1	13	N	G	G	MS	MR	I	R	R	—	I
AAC Brandon	59	69	14.2	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Cameron VB	34	72	13.9	1	13	Y	G	F	S	R	I	MR	MR	S	I
AAC Connery	32	60	15.0	1	3	N	VG	G	MR	I	I	R	MR	R	MR
AAC Elie	44	67	14.3	2	-3	Y	VG	F	I	I	I	R	R	MR	I
AAC Jatharia VB	33	72	14.3	1	13	Y	G	G	S	MS	I	I	R	I	I
AAC Prevail VB	44	65	14.2	1	18	N	G	G	S	S	MS	MR	R	R	I
AAC Redberry	32	68	14.4	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 Tisdale	19	67	15.0	4	8	Y	G	—	MR	MR	MS	R	R	S	MR
AAC Viewfield	32	67	14.6	3	-5	Y	VG	G	S	MR	I	R	MR	R	I
AAC W1876	32	61	15.1	3	3	Y	VG	F	I	I	MS	MR	R	I	I
AC Domain	2	64	15.1	-2	10	N	VG	VG	R	I	S	R	I	MR	MS
Alvena	30	63	14.7	-2	13	N	G	P	MR	I	—	MR	I	I	MS
Carberry	97	66	14.5	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
Cardale	28	66	14.5	2	3	Y	VG	G	I	MR	MS	R	R	S	MR
CDC Abound	43	62	14.4	2	3	Y	G	F	I	I	MS	R	MS	MS	S
CDC Adamant VB	19	65	14.6	0	8	Y	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	24	65	14.3	-1	8	Y	G	P	MS	I	S	R	I	MR	MS
CDC Hughes VB	20	68	14.3	1	3	Y	VG	—	MR	MS	I	R	MR	I	I
CDC Kernen	39	63	14.7	1	15	Y	G	P	R	I	MS	MR	MR	I	I
CDC Landmark VB	20	67	14.3	0	3	Y	VG	VG	MR	MS	I	R	MS	MR	I
CDC Plentiful	42	64	14.6	-3	8	N	VG	P	R	I	I	R	R	MR	MR
CDC Stanley	34	65	14.5	0	10	N	G	G	MR	S	I	R	MR	I	MS
CDC Thrive	37	60	14.6	-1	13	N	G	F	MR	I	I	MR	I	I	MS
CDC Titanium VB	32	64	15.0	2	13	Y	G	F	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
Coleman	32	60	14.2	2	18	Y	F	P	S	S	MS	MR	R	MR	MR
Fieldstar VB	43	67	14.6	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	65	14.8	-2	10	N	VG	G	MR	S	MS	MR	MR	I	S
Harvest	22	65	14.2	-1	8	N	VG	VG	MR	S	MS	R	MR	MR	S
Infinity	25	64	15.2	-2	13	N	G	G	MR	MR	MS	MR	MR	MS	S
KANE	92	65	14.4	1	8	Y	G	VG	MS	I	I	R	R	MR	I
Muchmore	40	66	14.2	2	-3	Y	VG	G	MR	R	MS	R	R	MR	MS
Shaw VB	40	67	14.2	0	18	N	G	G	S	MR	MS	R	MR	I	MS
Stettler	40	62	14.8	1	8	Y	G	G	R	MR	MS	MR	MS	MR	MS
SY433	38	60	14.6	2	15	Y	G	VG	I	S	I	R	R	—	MR
SY479 VB	46	61	15.2	1	13	Y	VG	VG	MS	R	MS	I	R	S	I
SY637	26	59	14.9	3	18	Y	VG	—	MS	MR	I	MR	R	MR	MR
SY Slate	32	68	14.9	1	10	Y	G	P	MS	S	MS	MR	R	MR	I
SY Sovite	19	61	14.4	1	8	Y	G	—	R	MS	MR	MR	R	R	MR
Thorsby	30	62	14.9	-2	13	N	VG	F	I	S	MS	MR	R	R	I
Unity VB	53	69	14.2	0	13	Y	F	VG	MS	R	I	MR	R	MS	I
Vesper VB	40	69	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	14.5	0	5	Y	G	G	R	R	MS	MR	R	I	MR
Canada Prairie Spring Red															
5702PR	30	70	12.8	1	3	Y	VG	P	MS	I	I	I	MR	MS	MS
AAC Crossfield	7	77	13.5	2	0	Y	G		I	S	I	MR	R	R	I
AAC Crusader	16	73	13.4	0	-3	Y	G	VP	MR	I	MS	R	R	MR	I
AAC Entice	8	75	13.6	2	1	Y	G		MS	S	MS	R	R	R	I
AAC Foray VB	31	76	13.1	1	5	Y	VG	P	MS	I	MS	MR	R	I	I
AAC Goodwin	20	74	14.3	2	0	Y	VG	—	MS	I	I	I	R	R	I
AAC Penhold	44	73	13.9	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AAC Ryley	30	70	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	69	13.4	0	10	Y	VG	—	MR	MR	I	MR	R	R	MS

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	Leaf Rust	Stripe Rust	Fusarium[2] Head Blight
Conquer VB	40	68	13.0	2	10	Y	F	P	MS	R	I	R	MR	MR	MS
Enchant VB	29	72	13.2	1	8	Y	G	VG	MR	R	MS	MR	R	S	S
SY985	44	69	13.4	2	-3	Y	G	P	R	MR	I	R	R	—	I
SY995	31	71	13.1	2	0	Y	VG	P	S	MR	MS	MR	R	MR	MS
SY Rowyn	20	74	13.4	1	-5	Y	VG	—	I	S	I	R	R	MR	MR
Canada Northern Hard Red															
AAC Concord	20	64	14.7	2	15	Y	G	F	I	MR	I	R	R	R	MS
AAC Tradition	33	65	14.2	4	5	Y	G	VG	MS	MR	I	R	MR	S	I
Elgin ND	41	76	14.0	2	10	Y	G	—	—	S	I	I	R	MR	I
Faller	45	81	12.9	1	3	Y	G	F	—	I	MS	I	MR	MS	I
Prosper	44	80	12.9	1	3	Y	G	—	—	I	I	MR	MR	S	I
Canada Western Special Purpose															
AAC Awesome VB	20	87	11.4	4	10	Y	G	—	I	I	I	R	MR	R	I
AAC Innova	42	76	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	71	12.5	3	10	Y	F	G	MR	S	I	MR	R	MS	MR
Alderon	20	77	11.9	9	-5	—	VG	—	—	MS	I	MR	R	MR	—
CDC NRG003	40	72	12.9	1	3	Y	G	G	MS	R	MS	R	MS	—	S
CDC Throttle	19	80	12.5	2	5	Y	VG	—	MR	I	S	MR	MR	I	I
Charing	20	78	12.5	9	0	—	VG	—	—	—	MR	—	MR	R	—
Minnedosa	40	71	12.9	-1	3	Y	G	G	I	R	MS	MR	R	—	MS
NRG010	40	75	12.6	4	5	Y	VG	F	MS	R	I	R	R	R	MS
Pasteur	39	77	12.9	7	5	N	VG	G	MS	S	I	MR	R	MR	I
Sparrow VB	20	80	12.5	8	0	—	VG	—	—	I	I	MR	R	MR	—
SY087	31	74	13.8	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 Iceberg	42	61	13.9	0	3	Y	G	P	MS	MR	MS	R	R	I	I
AAC Whitefox	32	65	13.8	-2	8	N	G	F	MS	MS	MS	MR	MR	MS	I
CDC Whitewood	32	57	14.1	0	3	Y	VG	G	S	S	MS	MR	MR	I	I
Snowbird	27	61	13.8	0	13	N	G	G	MR	MS	MS	MR	I	MS	I
Snowstar	37	66	13.5	-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	7	86	11.4	4	8	Y	VG	VP	MR	S	—	I	I	R	MS
AC Andrew	30	76	10.9	4	3	Y	VG	P	S	S	—	MR	MS	I	I
Sadash VB	35	75	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	65	14.1	0	20	N	G	F	R	I	MS	R	MR	MR	S
Varieties supported for registration by the PRCWRT															
BW980	6	68	14.7	2	6	Y	VG	—	R	I	MS	R	R	MR	MR
BW1025	6	68	14.4	0	12	Y	G	—	MR	S	I	R	R	MS	MR
BW5005	6	68	14.0	-1	7	Y	G	—	R	R	MS	R	R	R	I
BW5007	6	65	14.0	1	3	Y	VG	—	R	MS	I	MR	R	MR	MS
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
HW388	6	65	14.7	1	3	Y	VG	—	R	I	I	MR	R	R	I
HY2003 VB	8	71	14.0	0	0	Y	VG	—	MR	R	MS	MR	MR	MS	I
GRAND MEAN		71	13.9												
LSD (0.05)		4	0.3												

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	2017 Yield (bu/acre)											
	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Melita	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Canada Western Red Spring												
AAC Brandon	71	91	89	82	103	76	107	88	112	76	71	94
AAC Redberry	63	87	91	76	104	80	112	87	109	78	66	104
AAC Tisdale	63	83	89	76	101	71	113	79	117	73	64	100
AAC Viewfield	69	85	93	84	105	79	115	82	124	84	73	100
Carberry	66	89	92	76	103	75	110	87	114	68	67	110
CDC Adamant VB	55	78	83	75	94	68	108	73	115	77	68	91
CDC Hughes VB	55	86	89	76	98	73	116	77	116	73	67	100
CDC Landmark VB	61	80	94	79	102	70	118	80	119	78	69	99
Glenn	60	84	75	72	94	77	113	79	108	75	59	93
SY479 VB	56	78	79	70	87	68	104	79	84	72	62	100
SY Slate	68	89	91	83	107	77	120	81	120	74	68	105
SY Sovite	66	79	67	68	87	71	89	79	89	71	65	89
Canada Northern Hard Red												
AAC Concord	69	82	89	77	98	74	118	73	114	66	66	85
Varieties supported for registration by the PRCWRT												
BW980	—	84	—	81	102	—	—	—	—	78	—	100
BW1025	—	85	—	81	102	—	—	—	—	77	—	114
BW5005	—	87	—	84	97	—	—	—	—	76	—	110
BW5007	—	86	—	79	100	—	—	—	—	68	—	99
HW388	—	79	—	81	96	—	—	—	—	77	—	94
SITE GRAND MEAN (bu/acre)	63	84	86	78	99	74	111	80	111	74	66	99
CV%	7.2	4.1	3.1	4.0	3.2	4.4	5.7	4.8	6.0	5.8	3.9	4.3
LSD (bu/acre)	8	6	5	5	5	5	11	6	11	7	4	7
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	02-Jun	05-May	13-May	12-May	06-May	09-May	13-May	09-May	19-May	04-May	02-May	09-May
Harvest Date	05-Oct	28-Aug	05-Sep	07-Sep	06-Sep	21-Aug	05-Sep	26-Aug	12-Sep	25-Aug	30-Aug	05-Sep
Canada Western Red Spring												
AAC Goodwin	73	93	104	89	101	80	115	92	127	85	66	120
Glenn	57	85	73	74	81	75	114	78	100	85	63	88
Canada Prairie Spring Red												
AAC Crossfield	—	98	—	89	105		—	—	—	83	—	97
AAC Entice	—	96	—	87	108		—	—	—	82	—	100
AAC Tenacious VB	63	87	74	79	92	66	103	70	96	82	59	84
CDC Terrain	80	91	95	79	106	77	106	76	111	84	63	99
SY Rowyn	59	95	95	92	98	76	95	88	118	77	65	122
Canada Northern Hard Red												
Elgin ND	59	91	98	82	95	80	122	97	117	92	70	113
Faller	64	94	94	97	97	68	126	92	121	92	71	123
Prosper	57	97	97	93	100	65	129	93	121	96	72	121
Canada Western Special Purpose												
AAC Awesome VB	77	108	115	100	123	88	128	101	138	112	79	132
Alderon	73	106	104	100	121	83	134	84	101	103	82	89
Charing	58	102	103	99	117	89	129	80	116	95	74	96
Sparrow VB	74	102	101	97	115	84	120	86	111	92	76	95
Canada Western Soft White Spring												
AAC Chiffon	79	109	119	97	117	89	128	97	140	111	79	117
AAC Indus VB	66	106	107	98	125	94	132	85	114	111	78	119
AAC Paramount VB	—	108		98	115		—	—	—	109	—	128
Varieties supported for registration by the PRCWRT												
GP184	73	98	85	88	97	68	132	89	126	88	68	105
GP205	—	100	—	91	108		—	—	—	103	—	114
HY2003 VB	—	92	—	70	98		—	—	—	89	—	99
SITE GRAND MEAN (bu/acre)	67	98	98	90	106	79	121	87	117	94	71	108
CV%	5.5	4.8	4.4	3.6	3.4	3.4	5.7	7.1	4.7	8.3	3.7	6.8
LSD (bu/acre)	6	8	7	5	6	4	11	10	9	13	4	12
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	02-Jun	05-May	13-May	12-May	06-May	09-May	13-May	09-May	19-May	04-May	02-May	09-May
Harvest Date	05-Oct	28-Aug	05-Sep	07-Sep	06-Sep	31-Aug	05-Sep	26-Aug	12-Sep	25-Aug	30-Aug	05-Sep

Protein Comparisons

Class/Variety	2017 Protein (%)											
	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Melita	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Canada Western Red Spring												
AAC Brandon	15.4	12.0	14.8	12.8	13.8	12.8	12.2	13.0	13.4	14.0	13.6	14.4
AAC Redberry	15.9	11.5	14.7	12.8	13.5	12.6	11.6	12.3	13.5	14.5	13.8	14.7
AAC Tisdale	16.1	12.7	15.2	13.5	14.2	13.8	11.9	14.3	13.6	15.2	14.7	16.2
AAC Viewfield	15.2	12.0	14.7	13.1	13.5	12.5	10.6	12.8	12.8	14.6	13.2	15.0
Carberry	15.5	12.2	15.3	13.2	14.1	13.2	11.6	13.2	13.8	13.7	13.9	14.7
CDC Adamant VB	15.0	12.2	14.6	13.1	13.9	13.2	11.1	12.9	13.1	15.2	13.6	15.1
CDC Hughes VB	15.6	12.3	14.6	12.4	13.4	12.9	12.0	13.4	12.9	14.2	13.5	14.6
CDC Landmark VB	15.5	12.1	14.5	13.0	13.0	12.7	11.4	13.8	12.6	13.8	13.5	14.6
Glenn	15.0	12.3	14.9	12.9	13.7	13.1	12.1	13.4	13.3	15.1	14.9	14.8
SY479 VB	15.7	13.1	15.4	13.3	14.5	13.7	12.8	14.5	14.4	15.5	14.8	16.1
SY Slate	16.1	12.6	14.9	13.4	13.6	13.1	12.3	13.4	13.4	13.4	14.3	15.5
SY Sovite	15.3	12.6	15.4	13.1	13.8	13.3	12.1	14.1	13.5	14.6	13.8	14.5
Canada Northern Hard Red												
AAC Concord	15.0	12.2	14.7	13.9	13.9	13.5	12.3	14.0	14.0	14.7	14.2	15.0
Varieties supported for registration by the PRCWRT												
BW980	—	12.4	—	13.2	13.4	—	—	—	—	14.7	—	14.8
BW1025	—	11.6	—	12.8	13.2	—	—	—	—	14.2	—	15.2
BW5005	—	12.4	—	12.7	12.9	—	—	—	—	14.3	—	14.2
BW5007	—	11.7	—	12.7	13.3	—	—	—	—	13.2	—	14.2
HW388	—	12.3	—	13.3	14.2	—	—	—	—	14.9	—	14.5
SITE GRAND MEAN (%)	15.5	12.2	14.9	13.1	13.7	13.1	11.8	13.5	13.4	14.4	14.0	14.9
Canada Western Red Spring												
AAC Goodwin	15.4	12.4	15.0	12.6	12.3	12.8	11.1	12.4	13.5	14.4	13.2	14.2
Glenn	15.7	12.5	15.3	13.0	12.3	13.1	11.2	12.7	13.6	15.3	13.9	15.0
Canada Prairie Spring Red												
AAC Crossfield	—	12.7	—	11.6	11.1	—	—	—	—	13.6	—	13.5
AAC Entice	—	11.8	—	11.8	11.3	—	—	—	—	13.6	—	13.9
AAC Tenacious VB	13.3	12.0	13.6	12.1	12.3	12.4	11.0	12.6	12.4	13.4	12.2	13.3
CDC Terrain	14.1	11.9	13.5	11.4	11.6	12.2	11.1	11.6	12.3	13.3	12.5	13.7
SY Rowyn	14.5	11.9	13.5	11.7	12.0	12.1	10.7	11.7	13.0	13.5	12.9	13.1
Canada Northern Hard Red												
Elgin ND	15.5	11.9	14.8	12.5	11.9	12.3	10.5	12.1	12.8	14.4	12.9	14.6
Faller	13.2	10.8	13.2	11.1	10.4	11.6	10.0	11.2	11.5	13.3	11.9	13.2
Prosper	13.4	10.7	13.2	11.1	10.7	11.8	9.9	10.8	11.6	13.0	12.1	13.3
Canada Western Special Purpose												
AAC Awesome VB	12.7	10.2	11.7	9.7	9.3	10.4	8.5	10.3	10.3	11.2	10.8	11.8
Alderon	12.5	10.6	12.5	9.7	9.9	10.9	8.8	10.7	11.6	11.8	10.8	12.3
Charing	13.6	11.6	12.8	10.4	10.1	11.3	9.8	11.2	12.5	12.2	11.6	13.1
Sparrow VB	13.1	11.4	12.5	11.0	10.0	11.2	9.8	10.6	12.8	12.7	11.9	13.4
Canada Western Soft White Spring												
AAC Chiffon	11.7	10.0	11.4	9.4	9.4	10.2	8.7	10.0	10.2	11.5	10.3	11.6
AAC Indus VB	11.6	9.5	10.7	9.5	9.3	9.7	8.2	9.6	9.8	10.7	10.1	11.2
AAC Paramount VB	—	9.8	—	10.0	9.4	—	—	—	—	11.5	—	11.3
Varieties supported for registration by the PRCWRT												
GP184	12.8	10.6	12.8	11.0	11.1	12.3	10.3	11.9	11.6	12.8	12.6	12.3
GP205	—	10.6	—	10.4	10.4	—	—	—	—	12.3	—	11.8
HY2003 VB	—	12.9	—	12.2	11.6	—	—	—	—	14.1	—	14.4
SITE GRAND MEAN (%)	13.5	11.3	13.1	11.1	10.8	11.6	10.0	11.3	12.0	12.9	12.0	13.1

DURUM WHEAT

New for 2018

Variety	Code	Breeder	Distributor	Seed Availability
AAC Succeed VB	DT871	AAFC - Swift Current	FP Genetics	2020

Comments:

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

							Resistance Level:								
Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 101 days	Height +/- 89 cm	Spike Awned	Lodging	Sprouting	Loose Smut	Common Bunt	Leaf[1] Spots	Stem Rust	Leaf Rust	Stripe Rust	Fusarium Head Blight
AAC Cabri	7	64	14.4	1	3	Y	G	F	MR	R	I	MR	R	R	MS
AAC Congress	3	66	14.1	0	3	Y	G	P	MR	R	MS	MR	R	R	MS
AAC Current	12	58	14.6	1	4	Y	G	P	MS	MR	I	R	R	MR	MS
AAC Durafield	8	67	14.3	0	0	Y	G	F	S	R	I	R	R	MR	S
AAC Marchwell VB	12	62	14.5	0	0	Y	G	P	MR	R	MS	R	R	R	MS
AAC Raymore	12	61	14.5	0	0	Y	G	F	MS	MR	I	R	R	MR	S
AAC Spitfire	9	63	14.4	0	-2	Y	VG	P	MS	R	MS	R	R	R	S
AAC Stronghold	2	64	14.0	1	-2	Y	VG	—	R	I	I	R	R	MR	MS
AAC Succeed VB	2	65	14.3	-1	1	Y	G	—	R	R	MS	MR	R	I	MS
Brigade	27	71	13.4	2	6	Y	G	F	S	R	I	R	R	MR	MS
CDC Alloy	7	67	14.0	0	4	Y	G	F	I	R	MS	MR	R	R	MS
CDC Carbide VB	9	62	14.5	0	1	Y	G	P	MS	R	MS	R	R	R	MS
CDC Credence	2	66	13.9	1	6	Y	G	—	MR	R	I	MR	R	MR	MS
CDC Desire	6	58	14.2	-2	0	Y	G	G	MS	R	I	R	R	MR	S
CDC Dynamic	7	66	14.4	0	2	Y	G	F	I	R	I	MR	R	MR	MS
CDC Fortitude	12	65	14.3	1	-1	Y	VG	F	MS	R	MS	MR	R	R	MS
CDC Precision	7	69	13.8	0	4	Y	G	F	MS	R	MS	MR	R	R	MS
CDC Verona	21	63	14.2	2	1	Y	G	F	MS	R	MS	R	R	R	MS
CDC Vivid	12	59	14.4	0	0	Y	VG	F	I	R	I	R	R	MR	S
Enterprise	12	64	14.3	0	2	Y	F	G	MS	MR	I	R	R	R	MS
Eurostar	23	66	14.0	2	4	Y	F	F	S	R	I	R	R	R	MS
Strongfield	26	61	14.5	0	0	Y	G	F	S	MR	I	R	R	MR	S
Transcend	18	65	14.1	2	5	Y	G	G	S	R	I	R	R	R	MS
GRAND MEAN		66	13.8												
LSD (0.05)		5	0.5												

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

Yield Comparisons

Variety	2017 Yield (bu/acre) Melita	Souris
AAC Cabri	67	114
AAC Current	61	111
AAC Marchwell VB	57	108
AAC Raymore	55	107
AAC Spitfire	60	109
AAC Succeed VB	61	124
Brigade	67	119
CDC Alloy	62	124
CDC Carbide VB	59	111
CDC Dynamic	60	130
CDC Fortitude	60	124
CDC Precision	65	124
CDC Vivid	53	109
Transcend	60	122
SITE GRAND MEAN (bu/acre)	61	117
CV %	5.6	—
LSD	6	—
Sign Diff	Yes	No
Seeding Date	15-May	19-May
Harvest Date	28-Aug	13-Sep

Protein Comparisons

Variety	2017 Protein (%) Melita	Souris
AAC Cabri	10.7	13.5
AAC Current	10.2	14.5
AAC Marchwell VB	11.4	14.2
AAC Raymore	11.4	14.1
AAC Spitfire	10.2	14
AAC Succeed VB	11.7	13
Brigade	10.3	12.6
CDC Alloy	10.3	13
CDC Carbide VB	11.3	14.1
CDC Dynamic	10.7	14.4
CDC Fortitude	11.2	14.2
CDC Precision	11.2	12.4
CDC Vivid	11	12.2
Transcend	10.7	12.9
SITE GRAND MEAN (%)	10.9	13.5

WINTER WHEAT

New for 2018

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Goldrush	CWRW	W526	AAFC - Lethbridge	FP Genetics	2019
AAC Wildfire	CWRW	W512	AAFC - Lethbridge	SeCan	2018
AAC Icefield	CW EXPRMTL	W530	AAFC - Lethbridge	FP Genetics	2019

Comments:

Seed of the Canada Western Red Winter (CWRW) variety **AAC Wildfire** will be commercially available for seeding fall 2018.

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

Accipiter, **Broadview**, **CDC Falcon**, **Peregrine** and **Swainson** 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

								Resistance Level:					
Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Height +/- 75 cm	Spike Awned	Relative[1] Maturity	Relative[2] Winter Hardiness	Lodging	Common Bunt	Stem Rust	Leaf Rust	Stripe Rust	Fusarium[3] Head Blight
Canada Western Red Winter													
AAC Elevate	25	80	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	7	79	11.9	10	Y	M	VG	G	S	MR	R	I	I
AAC Wildfire	7	88	11.0	10	Y	L	VG	G	MR	S	I	R	MR
CDC Buteo	86	80	11.3	16	Y	M	VG	G	S	I	I	S	MR
CDC Chase	30	86	11.5	19	Y	M	F	G	S	R	R	MR	MS
Emerson	28	84	12.2	11	Y	M	G	VG	S	R	I	MR	R
Flourish	35	83	11.6	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	G	MS	R	R	MR	S
Canada Western Special Purpose													
Accipiter	36	85	11.0	9	Y	M	G	VG	S	R	MR	S	MS
Broadview	38	83	11.1	6	Y	E	G	VG	S	R	R	S	S
CDC Falcon	103	79	11.4	0	Y	E	F	VG	S	MR	MR	S	S
CDC Ptarmigan	38	84	9.7	18	N	M	G	F	S	S	S	S	I
Peregrine	36	86	10.9	22	Y	M	VG	G	S	I	MR	MR	I
Sunrise	38	87	10.4	14	Y	M	G	G	S	MR	MR	MR	—
Swainson	20	89	10.9	20	Y	M	F	F	S	R	R	MR	—
Canada Western Experimental													
AAC Icefield	7	88	11.0	5	Y	M	F	VG	S	I	R	R	MS
Varieties supported for registration by the PRCWRT													
W520	18	91	11.2	8	Y	M	F	VG	I	R	R	R	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	2017 Yield (bu/acre)								
	Arborg	Boissevain	Carberry	Carman	Hamiota	Melita	Rosebank	Stonewall	Winnipeg
Canada Western Red Winter									
AAC Elevate	99	44	85	84	76	69	86	77	96
AAC Gateway	104	51	79	84	72	62	91	73	95
AAC Goldrush	100	44	85	86	70	67	77	80	108
AAC Wildfire	113	52	96	97	85	73	104	91	115
CDC Chase	110	65	91	96	79	73	96	77	100
Canada Western Special Purpose									
CDC Falcon	111	33	85	92	69	54	—	89	92
Canada Western Experimental									
AAC Icefield	118	67	100	89	78	71	104	77	84
Varieties supported for registration by the PRCWRT									
W520	123	69	102	107	84	77	100	94	104
SITE GRAND MEAN (bu/acre)	109	54	90	92	77	69	94	83	99
CV%	6.9	9.7	7.7	11.5	5.4	11.4	6.6	7.8	9.3
LSD (bu/acre)	—	9	12	—	7	—	—	11	14
Sig Diff	No	Yes	Yes	No	Yes	No	No	Yes	Yes
Seeding Date	02-Sep	18-Sep	20-Sep	22-Sep	17-Sep	15-Sep	13-Sep	07-Sep	15-Sep
Harvest Date	14-Aug	04-Aug	11-Aug	08-Aug	22-Aug	28-Jul	01-Aug	08-Aug	01-Aug

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WINTER WHEAT *(continued)*

Protein Comparisons

Class/Variety	2017 Protein (%)								
	Arborg	Boissevain	Carberry	Carman	Hamiota	Melita	Rosebank	Stonewall	Winnipeg
Canada Western Red Winter									
AAC Elevate	11.0	10.2	11.8	12.1	11.9	10.7	8.3	11.1	11.5
AAC Gateway	11.7	11.2	12.9	13.0	13.1	12.4	10.5	11.7	11.9
AAC Goldrush	12.5	10.3	12.6	12.7	12.3	11.8	9.5	11.5	11.6
AAC Wildfire	11.1	10.6	11.9	12.1	10.7	9.8	9.1	10.3	11.0
CDC Chase	11.0	10.3	12.7	13.0	10.7	10.5	10.1	11.4	11.3
Canada Western Special Purpose									
CDC Falcon	10.9	10.7	12.0	12.3	—	10.4	8.9	—	11.3
Canada Western Experimental									
AAC Icefield	10.9	9.6	11.7	12.5	11.8	10.3	8.4	10.7	10.5
Varieties supported for registration by the PRCWRT									
W520	10.9	10.5	12.1	12.2	10.9	10.4	9.3	10.8	11.0
SITE GRAND MEAN (%)	11.3	10.4	12.2	12.5	11.6	10.8	9.3	11.1	11.3

FALL RYE

Comments:

The hybrid fall rye varieties KWS Bono, Brasetto and Guttino have improved falling number. A falling number of 180 seconds or greater is preferred by the rye miling 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: Lodging	Resistance Level: Ergot	Relative Winter Hardiness
Danko	25	101	—	—	—	—	—	F
Hazlet	46	105	0	0	152	G	MS	VG
Prima	20	96	13	-3	204	F	MS	VG
Hybrid Fall Rye								
KWS Bono	18	127	-12	0	265	VG	MS	VG
Brasetto	26	127	-11	0	248	VG	MS	VG
Guttino	26	129	-13	0	292	VG	MS	VG
GRAND MEAN (bu/acre)		114						
LSD (bu/acre) (0.05)		4						

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

Yield Comparisons

Type/Variety	2017 Yield (bu/ac)							
	Arborg	Beausejour	Carberry	Carman	Hamiota	Melita	Roblin	Stonewall
Hazlet	111	82	134	115	104	108	132	86
Danko	138	75	138	108	105	103	130	83
Hybrid Fall Rye								
KWS Bono	160	98	169	144	120	141	154	91
Brasetto	147	92	169	150	117	138	145	94
Guttino	146	103	173	149	128	145	155	103
SITE GRAND MEAN (bu/acre)	140	90	157	133	115	127	143	91
CV%	6.7	6.7	2.8	7.3	2.5	7.5	8.8	3.0
LSD (bu/acre)	18	11	8	15	5	18	—	5
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Seeding Date	02-Sep	15-Sep	20-Sep	22-Sep	17-Sep	15-Sep	19-Sep	07-Sep
Harvest Date	14-Aug	28-Aug	11-Aug	11-Aug	22-Aug	28-Jul	21-Aug	14-Aug

Distributor Contacts for Listed Varieties in Seed Manitoba 2018

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.

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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)	CPS Canada Inc./FP Genetics
Tradition (6W)	CPS Canada Inc./FP Genetics
Malting: Other	
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
Cerveza (2)	Mastin Seeds
Lacey (6W)	Alliance Seed
Lowe	SeCan
Major (2)	Alliance Seed
Merit 57 (2)	CANTERRA SEEDS
Newdale (2)	FP Genetics
Sirish	Syngenta Seeds Canada Inc.
Stellar-ND (6W)	CANTERRA SEEDS
Food and Feed	
AC Ranger (6F)	FP Genetics
Altorado	CPS Canada Inc.
Amisk (6)	SeCan
Brahma (2)	CPS Canada Inc.
Breton (6F)	Field Crop Development Centre
Canmore (2)	CANTERRA SEEDS
CDC Austenson (2)	SeCan
CDC Coalition (2)	CANTERRA SEEDS
CDC Cowboy (2F)	SeCan
CDC Helgason (2)	SeCan
CDC Maverick (2F)	SeCan
CDC Mindon (2)	SeCan
CDC YORKTON (6W)	CANTERRA SEEDS
Champion (2)	CPS Canada Inc.
Chigwell (6)	SeCan
Claymore (2)	CPS Canada Inc.
CONLON (2)	Seed Depot
Desperado (6F)	Alliance Seed
Gadsby (2)	SeCan
Muskwa (6)	SeedNet Inc.
Oreana (2)	CPS Canada Inc.
Sundre (6)	Mastin Seeds
Hulless	
CDC Ascent (2)	SeCan
CDC Carter (2)	SeCan
CDC Clear (2)	SeCan
Taylor (2)	Alliance Seed

OATS

AAC Justice	FP Genetics
AAC Nicolas	SeCan

OATS

AC Morgan	SeCan
CDC Arborg	FP Genetics
CDC Big Brown	SeCan
CDC Dancer	FP Genetics
CDC Haymaker (F)	SeCan
CDC Minstrel	FP Genetics
CDC Morrison	CANTERRA SEEDS
CDC Norseman	SeCan
CDC ProFi	Crop Development Centre
CDC Ruffian	FP Genetics
CDC Seabiscuit	CANTERRA SEEDS
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
Stainless	AAFC - Brandon
Stride	SeCan
Summit	FP Genetics
Triactor	CANTERRA SEEDS
Varieties being tested for adaptability in Western Canada	
Akina	La Coop Federee
Bia	La Coop Federee
Bradley	SeCan
Kara	La Coop Federee
Kyron	La Coop Federee
Nice	La Coop Federee
Pomona	La Coop Federee

SPRING WHEAT

Canada Western Red Spring	
5604HR CL	CPS Canada Inc.
5605HR CL	CPS Canada Inc.
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 Prevail VB	Alliance Seed
AAC Redberry	Alliance Seed
AAC Redwater	SeCan
AAC Tisdale	SeCan
AAC Viewfield	FP Genetics
AAC W1876	CANTERRA SEEDS
AC Domain	SeCan
Alvena	SeCan
Carberry	SeCan
Cardale	Seed Depot
CDC Abound	CPS Canada Inc.
CDC Adamant VB	FP Genetics
CDC Bradwell	SeCan

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CDC Hughes VB	CPS Canada Inc.
CDC Kernen	CANTERRA SEEDS
CDC Landmark VB	FP Genetics Inc.
CDC Plentiful	FP Genetics
CDC Stanley	CPS Canada Inc.
CDC Thrive	Cargill Ltd.
CDC Titanium VB	CPS Canada Inc.
CDC Utmost VB	FP Genetics
CDC VR Morris	CPS Canada Inc.
Coleman	Lefsrud Seed
Fieldstar VB	SeCan
Glenn	CANTERRA SEEDS
Goodeve VB	Alliance Seed
Harvest	FP Genetics
Infinity	CANTERRA SEEDS
KANE	SeCan
Muchmore	FP Genetics
Shaw VB	SeCan
Stettler	SeCan
SY433	Cargill Ltd.
SY479 VB	Alliance Seed
SY637	Syngenta Canada Inc.
SY Slate	Syngenta Canada Inc.
SY Sovite	Syngenta Canada Inc.
Thorsby	CANTERRA SEEDS
Unity VB	SeCan
Vesper VB	SeCan
Waskada	SeCan
WR859 CL	Richardson Pioneer
Canada Prairie Spring Red	
5702PR	CPS Canada Inc.
AAC Crossfield	CANTERRA SEEDS
AAC Crusader	CANTERRA SEEDS
AAC Entice	CPS Canada Inc.
AAC Foray VB	SeCan
AAC Goodwin	SeCan
AAC Penhold	SeCan
AAC Ryley	SeCan
AAC Tenacious VB	Alliance Seed
CDC Terrain	FP Genetics Inc.
Conquer VB	CANTERRA SEEDS
Enchant VB	FP Genetics
SY985	Syngenta Canada Inc.
SY995	Syngenta Canada Inc.
SY Rowyn	Alliance Seed
Canada Northern Hard Red	
AAC Concord	CANTERRA SEEDS
AAC Tradition	SeCan
Elgin ND	FP Genetics
Faller	Seed Depot
Prosper	Seed Depot
Canada Western Special Purpose	
AAC Awesome VB	SeCan
AAC Innova	Alliance Seed
AAC NRG097	CANTERRA SEEDS
AAC Proclaim	FP Genetics
Alderon	SeCan
CDC NRG003	CANTERRA SEEDS
CDC Throttle	Crop Development Centre
Charing	SeCan
Minnedosa	SeCan
NRG010	CANTERRA SEEDS
Pasteur	SeCan
Sparrow VB	SeCan
SY087	United Suppliers Canada
WFT603	Western Feed Grains Development Co-op Ltd.
Canadian Western Hard White Spring	
AAC Iceberg	Alliance Seed
AAC Whitefox	SeCan
CDC Whitewood	SeCan
Snowbird	FP Genetics
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

SPRING WHEAT

Canada Western Amber Durum	
AAC Cabri	SeCan
AAC Congress	CANTERRA SEEDS
AAC Current	Alliance Seed
AAC Durafield	SeCan
AAC Marchwell VB	SeCan
AAC Raymore	SeCan
AAC Spitfire	SeCan
AAC Stronghold	SeCan
AAC Succeed VB	FP Geneetics
Brigade	CPS Canada Inc.
CDC Alloy	FP Genetics
CDC Carbide VB	CPS Canada Inc.
CDC Credence	CANTERRA SEEDS
CDC Desire	Syngenta Canada Inc.
CDC Dynamic	CPS Canada Inc.
CDC Fortitude	CPS Canada Inc.
CDC Precision	Alliance Seed
CDC Verona	Alliance Seed
CDC Vivid	CPS Canada Inc.
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
Swainson	Department of Plant Sciences, U of S
Canada Western Experimental	
AAC Icefield	FP Genetics

FALL RYE

Danko	FP Genetics
Hazlet	SeCan
Prima	SeCan
Hybrid Fall Rye	
KWS Bono	FP Genetics
Brasetto	FP Genetics
Guttino	SeedNet Inc.

DISTRIBUTOR	PHONE NUMBER
AAFC - Brandon	1-204-578-6500
Alliance Seed	1-877-270-2890
CANTERRA SEEDS	1-866-744-4321
Cargill Ltd.	1-888-855-8558
CPS Canada Inc.	1-403-603-6000
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
Lefsrud Seed	1-780-336-2500
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
Syngenta Seeds 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

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AAC CONNECT

Decker; Murray, Donald H. & Ryan	204-764-2733	S	F	R

AAC SYNERGY

Inglis; Beischer, Derrick	204-564-2117			C
Marquette; Winter, Tim	204-322-5351			C
Pilot Mound; Wallace, Brad & Joe	204-825-2628			C
Rosenort; Friesen, Rick	204-746-8325			C
St.Leon; Pembina Co-Op	204-535-2598		R	

AC METCALFE

Binscarth; Cook, Gerry	204-532-2268			C
Canmore; Pizzey, J. David	403-609-3588	F		C
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525			C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450			C
St.Leon; Pembina Co-Op	204-535-2598			C

CANMORE

Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849			C
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363			C
Warren; Riddell, Craig Thomas	204-227-5679			C
Winnipeg; Canterra Seeds Ltd.	204-988-9750			C

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CDC AUSTENSON

Darlingford; Dudgeon, Gilbert Arthur	204-246-2357			C
Dauphin; Durston, Scott L.	204-638-5569			C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450			C
Inglis; Beischer, Derrick	204-564-2117			C
Miniota; Walker, Alan Glen	204-567-3647		R	C
Newdale; Wareham, L.B. Shayne	204-849-2112			C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354			C
Plumas; Tonn, Todd	204-386-2206	S	F	R
Ste.Rose Du Lac; Gagnon, Arthur Donald & Gamache, Ryan & Patrick	204-447-2118			C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630		R	
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658			C

CDC COPELAND

Hamiota; Knight, Ronald M. & Jeff	204-764-2450			C
Oak Lake; Smith, Gerald R.& Leigh E.	204-855-3128	F		C
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813			C
Wawanesa; Ellis, Warren P. & Simon	204-824-2290			C

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Mather; Mc Lennan, Donald D.	204-529-2372		R	

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CDC MAVERICK

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

CELEBRATION

Grosse Isle; Rutherford, Rick	204-467-5613	F		
Mac Gregor; Hulme, Lorne	204-685-2627			C
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813			C

CONLON

Darlingford; Wilson, James M.	204-246-2388			C
Grosse Isle; Rutherford, Rick	204-467-5613			C
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363			C
Pilot Mound; Smith, Walter George & Schroeder, David	204-825-2715			C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354			C
Portage; Pugh, William G.& B.M. & Victoria	204-274-2179			C
Somerset; Sierens, Joseph & Chris	204-744-2883			C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495			C

DESPERADO

Plumas; Tonn, Todd	204-386-2206			C

LACEY

Mac Gregor; Hulme, Lorne	204-685-2627			C

NEWDALE

Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422			C
Souris; Kohut, Anton	204-483-2004			R

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SIRISH

Arborg; S.S. Johnson Seeds Limited	204-376-5228	S		

TRADITION

Grosse Isle; Rutherford, Rick	204-467-5613			C
Winnipeg; James, David G.	204-222-8785		R	

OATS

AAC JUSTICE

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

CDC ARBORG

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S		

CDC BALER

Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805			C

CDC HAYMAKER

Carman; Menold, Ulrich & Lucas	204-745-2822	S	R	
Dauphin; Durston, Scott L.	204-638-5569			C
Swan River; Oberlin, George	204-734-2292			C
Warren; Riddell, Craig Thomas	204-227-5679		R	
Winnipeg; James, David G.	204-222-8785			C

CDC MORRISON

Morris; Hamblin, Donald & Bradley	204-209-0506			C

CDC NORSEMAN

Dauphin; Durston, Scott L.	204-638-5569	F		

CDC RUFFIAN

Souris; Kohut, David Anton	204-483-3063			C

CS CAMDEN

Arborg; Foster, Kyle & Ken & Keith	204-364-2358			C
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566			C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846			C
Brandon; Wheat City Seeds Ltd.	204-727-3337			C
Carman; Krahn, Myron	204-745-1938			C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622			C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849		R	C
Domain; Wiens, Robert Frank	204-736-2951			C
Dufrost; Catellier, Patrick Raymond	204-347-5503		R	
Fannystelle; Nadeau, Brian	204-436-2469			C
Glenboro; Jefferies, Ron	204-827-2102		R	
Grosse Isle; Rutherford, Rick	204-467-5613			C
Homewood; Froebe, Bruce D. & Murray	204-745-6655		R	C
Mac Gregor; Hulme, Lorne	204-685-2627			C
Manitou; Sanders, Andre O., Daniel & Dylan	204-242-2576	F		
Miniota; Walker, Alan Glen	204-567-3647			C
Morris; Dueck , Arthur	204-746-2026		R	
Morris; Hamblin, Donald & Bradley	204-209-0506			C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422		R	C
Pilot Mound; Wallace, Brad & Joe	204-825-2628		R	
Sanford; Bergen, Edward Harry & Tim	204-736-2278	S	F	R
Somerset; Sierens, Joseph & Chris	204-744-2883			C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495			C
Ste.Rose Du Lac; Gagnon, Arthur Donald & Gamache, Ryan & Patrick	204-447-2118			C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630		R	
Virden; Heaman, Doug J., Walter, Robert, Kenneth & Brittany	204-748-7666			C
Warren; Riddell, Craig Thomas	204-227-5679	S		C
Wawanesa; Ellis, Warren P. & Simon	204-824-2290		R	
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658			C
Winnipeg; Canterra Seeds Ltd.	204-988-9750		R	

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FURLONG

Mac Gregor; Hulme, Lorne	204-685-2627	R

GEHL

Warren; Riddell, Craig Thomas	204-227-5679	S

ORE3541M

Arborg; Timchishen, Donald Victor & Darcy	204-641-1288	F
Canmore; Pizzey, J. David	403-609-3588	S
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F
Homewood; Froebe, Bruce D. & Murray	204-745-6655	S
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	S
Portage; Sanderson, Garry	204-857-8406	S F
Sanford; Bergen, Edward Harry & Tim	204-736-2278	S
Warren; Riddell, Craig Thomas	204-227-5679	S

ORE3542M

Altona; Wiebe, Henry D. & Lloyd	204-324-8036	S F
Dauphin; Durston, Scott L.	204-638-5569	S
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	S F
Homewood; Froebe, Bruce D. & Murray	204-745-6655	S
Warren; Riddell, Craig Thomas	204-227-5679	S

PINNACLE

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

OATS

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SOURIS

Homewood; Froebe, Bruce D. & Murray	204-745-6655	C
Mac Gregor; Hulme, Lorne	204-685-2627	C
Pilot Mound; Smith, Walter George & Schroeder, David	204-825-2715	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
Virden; Heaman, Doug J., Walter, Robert, Kenneth & Brittany	204-748-7666	C

STRIDE

Portage; Sanderson, Garry	204-857-8406	C

SUMMIT

Binscarth; Pizzey, Tim V.	204-683-2316	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Canmore; Pizzey, J. David	403-609-3588	C
Carman; Park, Robert J.	204-745-3304	R
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S F R C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	F R C
Fannystelle; Nadeau, Brian	204-436-2469	C
Grosse Isle; Rutherford, Rick	204-467-5613	C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	C
Inglis; Beischer, Derrick	204-564-2117	C
Killarney; Chatham, Don, Linda & Cody	204-523-8412	R C
Mac Gregor; Hulme, Lorne	204-685-2627	C
Manitou; Sanders, Andre O., Daniel & Dylan	204-242-2576	R
Minto; Ayre, Andrew	204-776-2333	C
Morris; Hamblin, David & Lorraine	204-746-4779	C
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363	C

OATS

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Plumas; Court, Randolph A. & Tracy L.	204-386-2354	F			C
Rosenort; Friesen, Lloyd	204-746-8198				C
Rosenort; Friesen, Rick	204-746-8325			R	
Somerset; Sierens, Joseph & Chris	204-744-2883			R	C
Souris; Kohut, Anton	204-483-2004				C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495			R	C
St. Claude; Rouire, Roland & Guy	204-379-2582				C
Winnipeg; James, David G.	204-222-8785				C

SPRING WHEAT

5605HR CL♻

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566				C
High River; Proven Seed/CPS	403-603-6011				C

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		F	R	
Baldur; Desrochers, David Oscar	204-535-2090				C
Binscarth; Cook, Gerry	204-532-2268				C
Binscarth; Pizzey, Tim V.	204-683-2316	S	F	R	
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846			R	C
Boissevain; Latimer, Kevin B. & Duane E.	204-534-6631				C
Boissevain; Martens, Ben F. & John J. & Ryan	204-534-6952				C
Brandon; Martens, David	204-728-5510			R	C
Brandon; Wheat City Seeds Ltd.	204-727-3337			R	

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Brandon; Whetter, Rodney & Darren	204-729-7059	S	F	R	
Brunkild; Kaminsky, William	204-795-6507				C
Canmore; Pizzey, J. David	403-609-3588			R	
Carman; Krahn, Myron	204-745-1938			R	
Carman; Menold, Thomas	204-745-3377			R	C
Carman; Menold, Ulrich & Lucas	204-745-2822		F	R	
Carman; Park, Robert J.	204-745-3304				C
Crandall; Doupe, Neil D.	204-562-3632			R	
Cromer; Bartel, Bob	204-662-4580			R	C
Cromer; Bartel, Patrick	204-662-4466				C
Crystal City; Buchanan, Kenneth S.& Dean K.	204-873-2661				C
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525			R	C
Crystal City; Smith, R. Wally	204-873-2352			R	
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			R	
Dauphin; Kaleta, James & Debra	204-638-7800				C
Deloraine; Bolduc, Ronald & Bell, A.J. & J.C.	204-747-2913				C
Domain; Johnson, David & Don	204-746-0275				C
Domain; Manness, Clayton	204-736-2922		F		
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622				C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S	F	R	C
Domain; Wiens, Robert Frank	204-736-2951				C
Dufrost; Catellier, Patrick Raymond	204-347-5503			R	
Dufrost; Catellier, Roger & Richard	204-347-5588			R	
Elie; Lachance, J.B. Adrien & Paul M. & Lionel	204-353-2694			R	C
Elm Creek; Runne, James Armin	204-436-3321			R	
Elphinstone; Gerrard, Jody	204-759-2213				C
Fannystelle; Nadeau, Brian	204-436-2469				C
Foxwarren; Falloon, Larry	204-683-2247		F	R	C
Foxwarren; Graham, George Arthur	204-683-2367			R	C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805			R	C
Glenboro; Jefferies, Ron	204-827-2102			R	C
Grandview; Storey, R. Kip & Troy K.	204-546-2590			R	
Grosse Isle; Rutherford, Rick	204-467-5613				C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450			R	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817				C
Holland; Patenaude, Donald & Robert	204-526-2391				C
Holland; Vigar, Murray & Gary	204-526-2108				C
Homewood; Froebe, Bruce D. & Murray	204-745-6655				C
Inglis; Beischer, Derrick	204-564-2117				C
Kenton; Stevenson, Richard D.O. & Douglas	204-838-2696			R	C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012			R	
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			R	
Mac Gregor; Hulme, Lorne	204-685-2627	S	F	R	C
Manitou; Sanders, Andre O., Daniel & Dylan	204-242-2576	S		R	C
Mather; Mc Lennan, Donald D.	204-529-2372				C
Miniota; Walker, Alan Glen	204-567-3647			R	C
Minto; Fraser, Rick G.	204-776-2047				C
Morris; Dueck , Arthur	204-746-2026				C
Morris; Hamblin, David & Lorraine	204-746-4779			R	C
Newdale; Wareham, L.B. Shayne	204-849-2112				C
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268			R	
Notre Dame; Durand, Leo	204-248-2372	S		R	
Oak Bluff; Gousseau, Marcel E.	204-895-1357			R	
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422		F	R	C
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363				C
Pilot Mound; Cavers, Landon	204-825-2012				C
Pilot Mound; Wallace, Brad & Joe	204-825-2628			R	
Plum Coulee; Janzen, Ken & Ernie A.	204-829-7749		F	R	
Plumas; Court, Randolph A. & Tracy L.	204-386-2354			R	C
Plumas; Tonn, Todd	204-386-2206	S	F	R	
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	S		R	C
Portage; Sanderson, Garry	204-857-8406				C
Portage; Sissons, Donald Angus & Blye	204-857-7341	S		R	C
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813			R	C
Rivers; Krahn, Abe M., Ronald J. & Robert A.	204-761-8702				C
Rivers; Redsper Ent. Ltd.	204-328-5346				C
Rosenort; Friesen, Rick	204-746-8325			R	C
Rossburn; Mitchell, John	204-859-2431			R	C
Russell; Keating, Mark	204-773-3854				C

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		S	F	R	C	
Sanford; Bergen, Edward Harry & Tim	204-736-2278	S	F	R		
Solsgirth; Nickel, James D. & John H.& Kevin J. & J.Gordon	204-842-3757				C	
Somerset; Sierens, Joseph & Chris	204-744-2883	S		R	C	
Souris; Kohut, Anton	204-483-2004				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				C	
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208	S		R		
St.Leon; Pembina Co-Op	204-535-2598			R	C	
Ste.Rose Du Lac; Gagnon, Arthur Donald & Gamache, Ryan & Patrick	204-447-2118				C	
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	S	F	R		
Swan River; Oberlin, George	204-734-2292				C	
Treherne; Stinson, Gary Donald	204-723-2319				C	
Virden; Hutchison, Barry	204-851-6157				C	
Warren; Jones, Gavin R.	204-322-5604			R		
Warren; Riddell, Craig Thomas	204-227-5679	S	F	R		
Wawanesa; Ellis, Warren P. & Simon	204-824-2290			R	C	
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658			R		
Winnipeg; James, David G.	204-222-8785				C	

AAC CAMERON VB

Glenboro; Jefferies, Ron	204-827-2102				C	*
Grandview; Storey, R. Kip & Troy K.	204-546-2590			R		*
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813			R	C	*
Rivers; Redsper Ent. Ltd.	204-328-5346				C	*
Somerset; Sierens, Joseph & Chris	204-744-2883			R		*

AAC CONNERY

Darlingford; Wilson, James M.	204-246-2388				C	
Plumas; Court, Randolph A. & Tracy L.	204-386-2354				C	
Stonewall; Unger, Ronald K. & Darcy	204-467-8630				C	

AAC ELIE

Altona; Fuchsmeier, Joni	204-324-3859				C	
Binscarth; Pizzey, Tim V.	204-683-2316				C	
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566				C	
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846				C	
Brandon; Kowall, Robert	204-571-0588				C	
Crandall; Doupe, Neil D.	204-562-3632				C	
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525				C	
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622				C	
Elphinstone; Gerrard, Jody	204-759-2213				C	
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805				C	
Grosse Isle; Rutherford, Rick	204-467-5613				C	
Holland; Kubinec, Anastasia	204-526-2776				C	
Mather; Mc Lennan, Donald D.	204-529-2372				C	
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268				C	
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422				C	

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Plumas; Tonn, Todd	204-386-2206				C	
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813				C	
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208				C	
St.Leon; Pembina Co-Op	204-535-2598				C	
Virden; Heaman, Doug J., Walter, Robert, Kenneth & Brittany	204-748-7666				C	
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658				C	

AAC GOODWIN

Altona; Wiebe, Henry D. & Lloyd	204-324-8036		F			
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	S	F			

AAC PENHOLD

Arborg; Timchishen, Donald Victor & Darcy	204-641-1288				C	
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846				C	
Carman; Menold, Thomas	204-745-3377			R		
Carman; Menold, Ulrich & Lucas	204-745-2822		F		C	
Carman; Park, Robert J.	204-745-3304			R		
Darlingford; Dudgeon, Gilbert Arthur	204-246-2357				C	
Dufrost; Catellier, Patrick	204-347-5588			R		
Homewood; Froebe, Bruce D. & Murray	204-745-6655				C	
Lowe Farm; Sawatzky, Matt	204-746-2187				C	
Miniota; Walker, Alan Glen	204-567-3647			R		
Minto; Fraser, Rick G.	204-776-2047			R	C	
Newdale; Wareham, L.B. Shayne	204-849-2112			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	
Portage; Sissons, Donald Angus & Blye	204-857-7341	S	F		C	
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495				C	
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658			R		

AAC REDBERRY

Baldur; Desrochers, David Oscar	204-535-2090			R	C	
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525			R		
Elphinstone; Gerrard, Jody	204-759-2213			R		
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208			R		

AAC REDWATER

Canmore; Pizzey, J. David	403-609-3588				C	
Kenville; Carmichael, Hugh E.	204-734-3672				C	
Russell; Keating, Mark	204-773-3854				C	
Solsgirth; Nickel, James D. & John H.& Kevin J. & J.Gordon	204-842-3757			R	C	

AAC TISDALE

Brandon; Martens, David	204-728-5510		F			
Crystal City; Buchanan, Kenneth S.& Dean K.	204-873-2661			R		
Darlingford; Wilson, James M.	204-246-2388			R		
Dauphin; Kaleta, James & Debra	204-638-7800	S		R		
Elie; Lachance, J.B. Adrien & Paul M. & Lionel	204-353-2694		F	R		

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Elphinstone; Gerrard, Jody	204-759-2213			R	
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	S	F		
Holland; Patenaude, Donald & Robert	204-526-2391			R	
Notre Dame; Durand, Leo	204-248-2372	S			
Somerset; Sierens, Joseph & Chris	204-744-2883	S		R	
Treherne; Stinson, Gary Donald	204-723-2319			R	

AAC VIEWFIELD

Baldur; Desrochers, David Oscar	204-535-2090				C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846			R	
Carman; Park, Robert J.	204-745-3304				C
Dauphin; Kaleta, James & Debra	204-638-7800	S	F	R	C
Decker; Murray, Donald H. & Ryan	204-764-2733	S	F		C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S	F		
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S	F		C
Elphinstone; Gerrard, Jody	204-759-2213			R	
Grandview; Storey, R. Kip & Troy K.	204-546-2590				C
Grosse Isle; Rutherford, Rick	204-467-5613	S	F		C
Manitou; Sanders, Andre O., Daniel & Dylan	204-242-2576	S	F		C
Morris; Hamblin, David & Lorraine	204-746-4779				C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	S	F		C
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363				C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	S	F		C
Plumas; Tonn, Todd	204-386-2206			R	
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417			R	
Rivers; Redsper Ent. Ltd.	204-328-5346				C
Rosenort; Friesen, Lloyd	204-746-8198		F		
Russell; Keating, Mark	204-773-3854				C
Somerset; Sierens, Joseph & Chris	204-744-2883				C

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Souris; Kohut, David Anton	204-483-3063		C
Swan River; Alford, Wayne G.	204-734-2526	R	

AAC W1876

Dauphin; Kaleta, James & Debra	204-638-7800	R	
Rivers; Redsper Ent. Ltd.	204-328-5346		C

AC DOMAIN

Kenville; Carmichael, John A.	204-734-3913	R	C
Russell; Woroneski, Frank M.	204-773-3262	R	
Swan River; Oberlin, George	204-734-2292		C

CARDALE

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846		C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849		C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805		C
Homewood; Froebe, Bruce D. & Murray	204-745-6655	R	
Lowe Farm; Sawatzky, Matt	204-746-2187		C
Mac Gregor; Hulme, Lorne	204-685-2627	R	
Morris; Hamblin, David & Lorraine	204-746-4779		C
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	R	
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422		C
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363		C
Pilot Mound; Seed Depot Corporation	204-825-2000	F	C
Pilot Mound; Smith, Walter George & Schroeder, David	204-825-2715		C
Plum Coulee; Janzen, Ken & Ernie A.	204-829-7749		C
Portage; Pugh, William G.& B.M. & Victoria	204-274-2179	R	C
Rosenort; Friesen, Lloyd	204-746-8198	R	

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Solsgirth; Nickel, James D. & John H.& Kevin J. & J.Gordon	204-842-3757			C	
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495			C	
St. Claude; Rouire, Roland & Guy	204-379-2582			C	
Wawanesa; Ellis, Warren P. & Simon	204-824-2290			C	

CDC GO

Brandon; Martens, David	204-728-5510			C	

CDC HUGHES VB

High River; Proven Seed/CPS	403-603-6011	F	R		*

CDC LANDMARK VB

Binscarth; Pizzey, Tim V.	204-683-2316	S	F	R	C	*
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846			R		*
Canmore; Pizzey, J. David	403-609-3588			R		*
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622		F			*
Elphinstone; Gerrard, Jody	204-759-2213			R		*
Hamiota; Knight, Ronald M. & Jeff	204-764-2450			R		*
Inglis; Beischer, Derrick	204-564-2117			R		*
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012			R		*
Russell; Keating, Mark	204-773-3854			R		*
Russell; Woroneski, Frank M.	204-773-3262			R		*
Somerset; Sierens, Joseph & Chris	204-744-2883			R		*
Swan River; Alford, Wayne G.	204-734-2526		F	R		*

CDC PLENTIFUL

Binscarth; Pizzey, Tim V.	204-683-2316			C	
Grandview; Storey, R. Kip & Troy K.	204-546-2590			C	

SPRING WHEAT

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Killarney; Chatham, Don, Linda & Cody	204-523-8412			C	
Rivers; Redsper Ent. Ltd.	204-328-5346			C	
Russell; Woroneski, Frank M.	204-773-3262			R	
Swan River; Alford, Wayne G.	204-734-2526		F	R	

CDC STANLEY

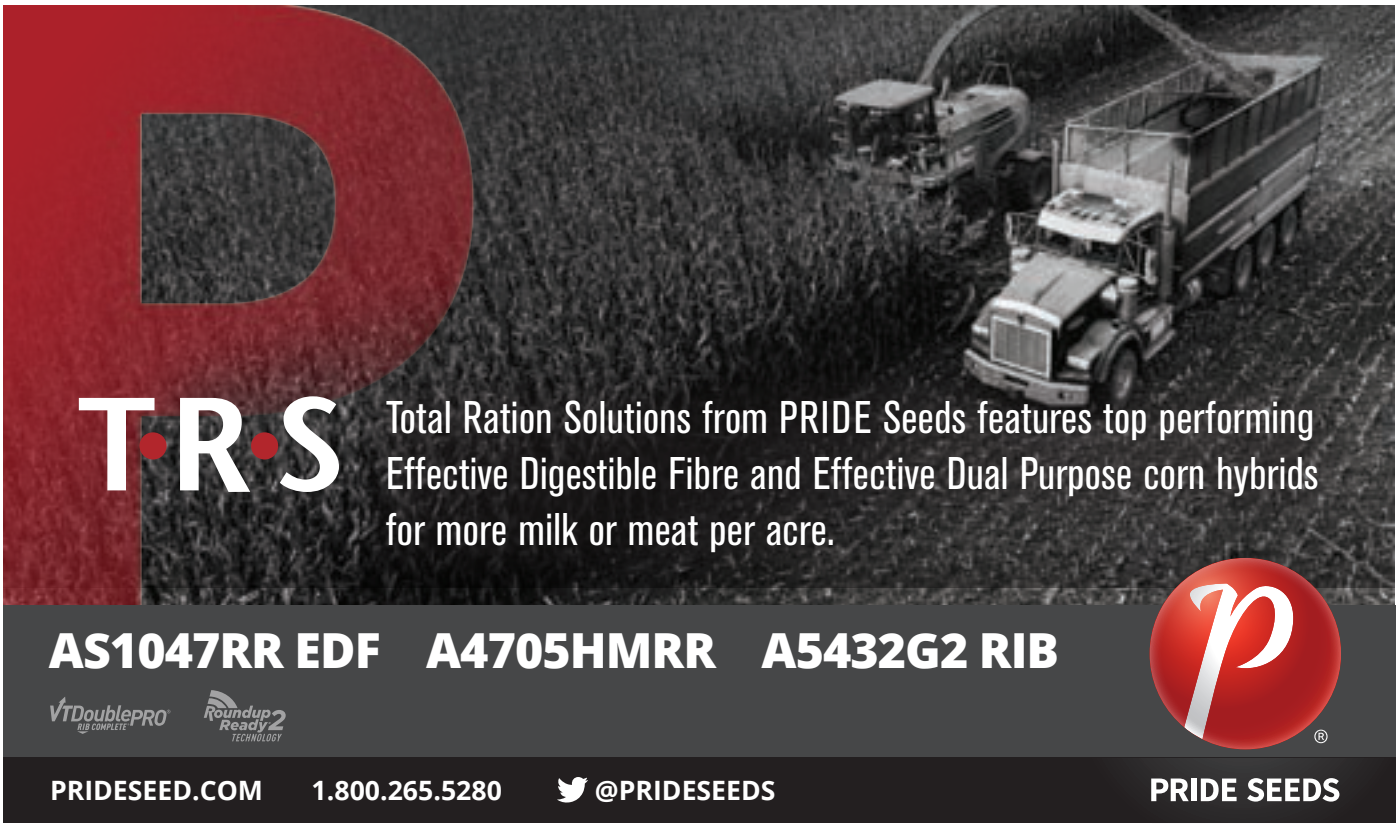
High River; Proven Seed/CPS	403-603-6011	S		R	C

CDN BISON

Portage; Faurschou, David & Glenn D.	204-327-5725	S	F

FALLER

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Darlingford; Wilson, James M.	204-246-2388	C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	C
Grosse Isle; Rutherford, Rick	204-467-5613	C
Inglis; Beischer, Derrick	204-564-2117	C
Mac Gregor; Hulme, Lorne	204-685-2627	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Oakville; Miller, Andrea & 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
Rivers; Redsper Ent. Ltd.	204-328-5346	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	C
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658	C



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GLENN

Mac Gregor; Hulme, Lorne	204-685-2627			C
Miniota; Walker, Alan Glen	204-567-3647			C
Binscarth; Cook, Gerry	204-532-2268			C

MUCHMORE

Newdale; Wareham, L.B. Shayne	204-849-2112			C

PASTEUR

Holland; Patenaude, Donald & Robert	204-526-2391			C

PROSPER

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

SNOWSTAR

Killarney; Chatham, Don, Linda & Cody	204-523-8412	F		C

SY ROWYN

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566		R	
Crandall; Doupe, Neil D.	204-562-3632		R	
Crystal City; Fallis, J. Allan & Mark A.	204-825-4525		R	
Decker; Murray, Donald H. & Ryan	204-764-2733		R	C

SPRING WHEAT

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Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S	F	R	
Elphinstone; Gerrard, Jody	204-759-2213			R	
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805			R	
Gladstone; Ferguson, Jason	204-385-3430			R	
Grosse Isle; Rutherford, Rick	204-467-5613	S	F	R	
Plumas; Tonn, Todd	204-386-2206			R	
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813		F	R	
Rosenort; Friesen, Lloyd	204-746-8198			R	
Rosenort; Friesen, Rick	204-746-8325				C
Sanford; Bergen, Edward Harry & Tim	204-736-2278			R	
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495				C
Virden; Heaman, Doug J., Walter, Robert, Kenneth & Brittany	204-748-7666				C
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658			R	
Winnipeg; Alliance Seed Corporation	204-272-2890			R	

SY SLATE

Carman; Krahn, Myron	204-745-1938			R
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849			R
Rosenort; Friesen, Lloyd	204-746-8198			R

SY SOVITE

Crystal City; Fallis, J. Allan & Mark A.	204-825-4525			R
Sanford; Bergen, Edward Harry & Tim	204-736-2278			R
Winnipeg; Richardson International Ltd.	204-934-5994			R

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AAC ELEVATE

Plumas; Tonn, Todd	204-386-2206	R

AAC GATEWAY

Dauphin; Fisher, Roderick Allan & Douglas James	204-622-8800	C
Lowe Farm; Sawatzky, Matt	204-746-2187	R
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	C
Virden; Heaman, Doug J., Walter, Robert, Kenneth & Brittany	204-748-7666	C

AAC GOLDRUSH

Grosse Isle; Rutherford, Rick	204-467-5613	S

AAC WILDFIRE

Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813	R

EMERSON

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Brandon; Wheat City Seeds Ltd.	204-727-3337	C
Lowe Farm; Sawatzky, Matt	204-746-2187	C
Mac Gregor; Hulme, Lorne	204-685-2627	S F
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813	C
Rivers; Redsper Ent. Ltd.	204-328-5346	C

FALL RYE

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BRASETTO

Regina; Fp Genetics Inc	877-791-1045	C

DANKO

Hamiota; Knight, Ronald M. & Jeff	204-764-2450	C

GUTTINO

Lethbridge; Seednet Inc.	403-715-9771	C

HAZLET

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	R
Carman; Park, Robert J.	204-745-3304	R
Dauphin; Durston, Scott L.	204-638-5569	R
Holland; Patenaude, Donald & Robert	204-526-2391	C
Notre Dame; Durand, Leo	204-248-2372	C

KWS BONO

Regina; Fp Genetics Inc	877-791-1045	C

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Bergen Seed Farm	204-736-2278	Jeffries Seed Service	204-827-2102	RJP Seed	204-745-3304
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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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 climatic 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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CANOLA

Comments:

Variety Description table summarizes the 2017 Canola Performance Trials (CPT) – 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 evironmental conditions conducive for disease development.

Clubroot is a long-lived disease in the soil that can impact canola performance.Using clubroot resistant varietes in Rural Municipalities where clubroot has been found is highly recommended as a risk mitigation tool. To know for sure if your own fields have clubroot, soil testing is the only way to find out, prior to finding galls in the fields. See page 55 for map indicating clubroot distribution in Manitoba.

Variety Description

		LONG Season Zone (3 trials)				MID Season Zone (5 trials)				
Distributor	**Name**	**Yield (%5440)**	**Maturity (Days)**	**Lodging (1-5)**	**Height (inches)**	**Yield (%5440)**	**Maturity (Days)**	**Lodging (1-5)**	**Height (inches)**	**Disease[1] Tolerance**
	Clearfield									
Pioneer	46H75	94	95	1.2	51	96	100	1.6	42	BL
Brett Young	5545 CL	89	93	1.3	50	96	97	1.7	42	BL
CANTERRA SEEDS	CS2200 CL	90	92	1.1	51	89	100	1.6	42	BL
Crop Production Services/Proven	PV 200 CL	92	93	1.2	50	93	98	1.7	43	BL
	LSD (%)	***14***				***12***				
	Liberty Link									
Bayer CropScience	5440	100	92	1.0	50	100	96	1.3	44	BL
Bayer CropScience	L241C	97	91	1.0	48	97	96	1.3	42	BL/CR
Bayer CropScience	L252	106	93	1.1	48	105	96	1.4	43	BL
	LSD (%)	***11***				***13***				
	Roundup Ready									
Brett Young	4187 RR	95	92	1.1	53	97	99	1.4	43	BL/CR
Pioneer	45H33	97	91	1.4	55	100	95	1.7	42	BL/CR
Pioneer	45M35	100	92	1.5	48	103	97	1.5	41	BL
Brett Young	6074 RR	95	92	1.0	51	99	100	1.7	40	BL/S
Brett Young	6076 CR	94	92	1.0	53	95	98	1.5	44	BL/CR/S
Brett Young	6080 RR	89	93	1.1	49	91	97	1.5	38	BL
Brett Young	6090RR	95	92	1.3	54	101	99	1.5	45	BL/CR
DEKALB	74-44 BL	89	91	1.0	46	87	95	1.7	39	BL
CANTERRA SEEDS	CS2000	92	92	1.0	51	94	98	1.7	41	BL/CR
CANTERRA SEEDS	CS2100	90	92	1.8	47	97	97	1.8	40	BL
CANTERRA SEEDS	CS2300	100	93	1.3	54	103	98	1.5	42	BL
Proven Seed/CPS	PV 540 G	99	93	1.1	49	94	96	1.6	40	BL
Proven Seed/CPS	PV 581 GC	93	93	1.3	53	97	99	1.5	43	BL
Cargill - VICTORY Hybrid Canola	V12-1 *	96	92	1.5	49	95	96	1.6	41	BL
Varieties supported for registration by WCC/RRC										
DL Seeds	DL1634 RR	92	94	1.0	55	96	100	1.5	43	BL
	LSD (%)	***11***				***10***				
CHECK MEAN 5440 (bu/ac)		66				67				

* 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

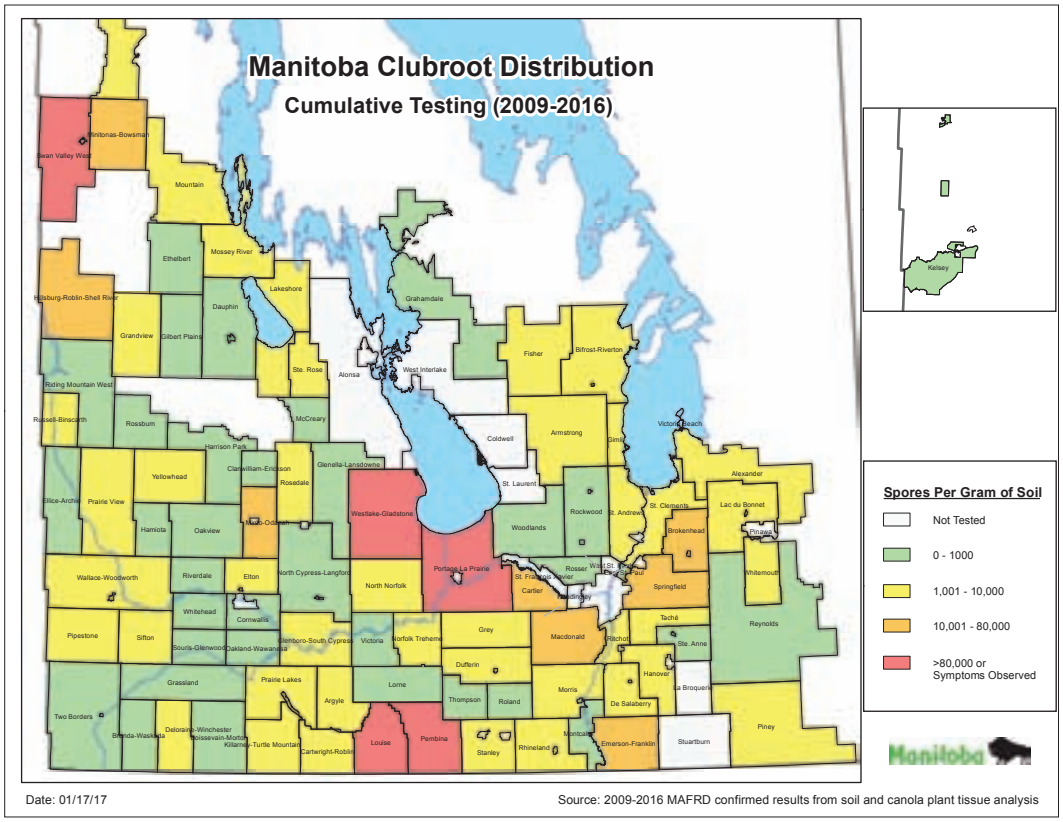
Data presented is based on harvest data received as of October 27, 2017

CANOLA *(continued)*

Yield Comparisons

		2017 Yield (%5440)							
		LONG SEASON ZONE			MID SEASON ZONE				
Distributor	**Name**	**Elm Creek, MB**	**Melita, MB**	**Lethbridge, AB**	**Hague, SK**	**Melfort, SK**	**Forestburg, SK**	**Josephburg, SK**	**Vegreville, AB**
	Clearfield								
Pioneer HiBred	46H75	82	94	106	97	99	80	97	108
BrettYoung	5545 CL	71	102	95	94	108	73	100	105
Canterra	CS2200 CL	63	108	99	87	98	83	94	85
CPS	PV 200 CL	84	95	99	98	105	72	98	90
	LSD (%)	***15***	***19***	***9***	***12***	***8***	***15***	***11***	***14***
	Liberty Link								
Bayer CropScience	5440	100	100	100	100	100	100	100	100
Bayer CropScience	L241C	91	101	100	94	106	89	100	97
Bayer CropScience	L252	101	102	114	110	103	100	103	109
	LSD (%)	***15***	***9***	***8***	***9***	***10***	***13***	***20***	***15***
	Roundup Ready								
BrettYoung	4187 RR	84	102	101	105	93	88	96	105
Pioneer	45H33	93	101	98	107	98	91	103	100
Pioneer	45M35	96	104	100	104	100	98	112	102
BrettYoung	6074 RR	86	104	95	97	97	87	105	108
BrettYoung	6076 RR	88	101	92	99	90	89	100	95
BrettYoung	6080 RR	84	97	87	96	90	86	98	86
DL Seeds	6090 RR	84	96	106	103	93	93	105	110
Dekalb	74-44 BL	74	102	92	86	98	82	89	81
Canterra	CS2000	87	108	80	100	95	88	101	88
Canterra	CS2100	78	103	89	103	94	89	104	93
DL Seeds	CS2300	93	104	102	103	100	94	107	108
CPS	PV 540 G	86	105	108	92	99	91	96	89
CPS	PV 581 GC	87	102	89	98	94	99	102	91
Cargill	V12-1*	93	101	95	99	89	95	97	97
Varieties supported for registration by WCC/RRC									
DL Seeds	DL1634 RR	82	95	100	99	97	88	92	102
	LSD (%)	***11***	***9***	***14***	***10***	***8***	***10***	***10***	***13***
CHECK MEAN 5440 (bu/ac)		74	57	66	59	63	52	79	79
GRAND MEAN (bu/ac)		63	58	65	58	62	46	79	77
CV%		9.3	8.5	9.2	6.9	7.1	10.5	8.1	10.3

* 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 October 27, 2017



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FLAX

New for 2018

Variety	Code	Breeder	Distributor	Seed Availability
AAC Marvelous	FP2401	AAFC - Morden	FP Genetics	2020
Topaz	FP2457	CPS Canada Inc.	Alliance Seed Corp.	2020

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]: Oil Content	Iodine Number	ALA Content	Resistance Level: Lodging	Fusarium Wilt
AAC Bravo	24	33	1	0	brown	6.4	44.6	194.0	60.2	G	MR
AAC Marvelous	5	35	2	0	brown	5.8	47.1	192.1	55.8	G	MR
AAC Prairie Sunshine	7	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	123	34	0	0	brown	5.8	45.6	188.6	54.7	G	MR
CDC Buryu	12	33	1	1	brown	5.9	45.3	189.9	54.6	G	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	15	34	-2	-1	brown	5.7	46.5	195.5	57.2	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	34	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	33	1	0	brown	6.1	45.0	191.9	57.6	F	MR
VT50	15	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	33	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	15	34	3	-1	brown	5.4	47.0	192.8	57.0	VG	MR
Varieties supported for registration by the PRCO											
FP2454	12	33	-2	-3	brown	5.4	47.6	197.5	60.3	VG	MR
FP2513	5	35	4	0	brown	6.8	45.2	195.1	59.2	G	MR
GRAND MEAN (bu/ac)		34									
LSD (0.05)		1.6									

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	2017 Yield (bu/acre) Arborg	Boissevain	Morden	Roblin	Stonewall
AAC Bravo	37	55	38	41	33
AAC Marvelous	36	57	35	40	39
CDC Bethune	37	52	30	38	34
CDC Buryu	26	50	33	39	37
CDC Glas	34	57	35	38	32
CDC Neela	40	56	39	38	33
CDC Plava	33	53	32	30	35
CDC Sorrel	30	56	37	33	38
Topaz	32	53	37	38	37
VT50	26	55	25	33	34
WestLin 60	36	55	36	33	37
WestLin 72	30	44	31	29	34
Varieties that have been supported for registration by the PRCO					
FP2454	30	50	34	27	37
FP2513	43	59	41	38	34
SITE GRAND MEAN (bu/ac)	34	54	34	35	35
CV%	11.7	4.3	11.6	11.3	8.9
LSD (bu/ac)	7	4	—	7	—
Sign Diff	Yes	Yes	No	Yes	No
Seeding Date	25-May	09-May	15-May	19-May	16-May
Harvest Date	16-Oct	05-Sep	29-Sep	18-Sep	15-Sep

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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 asigned 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.

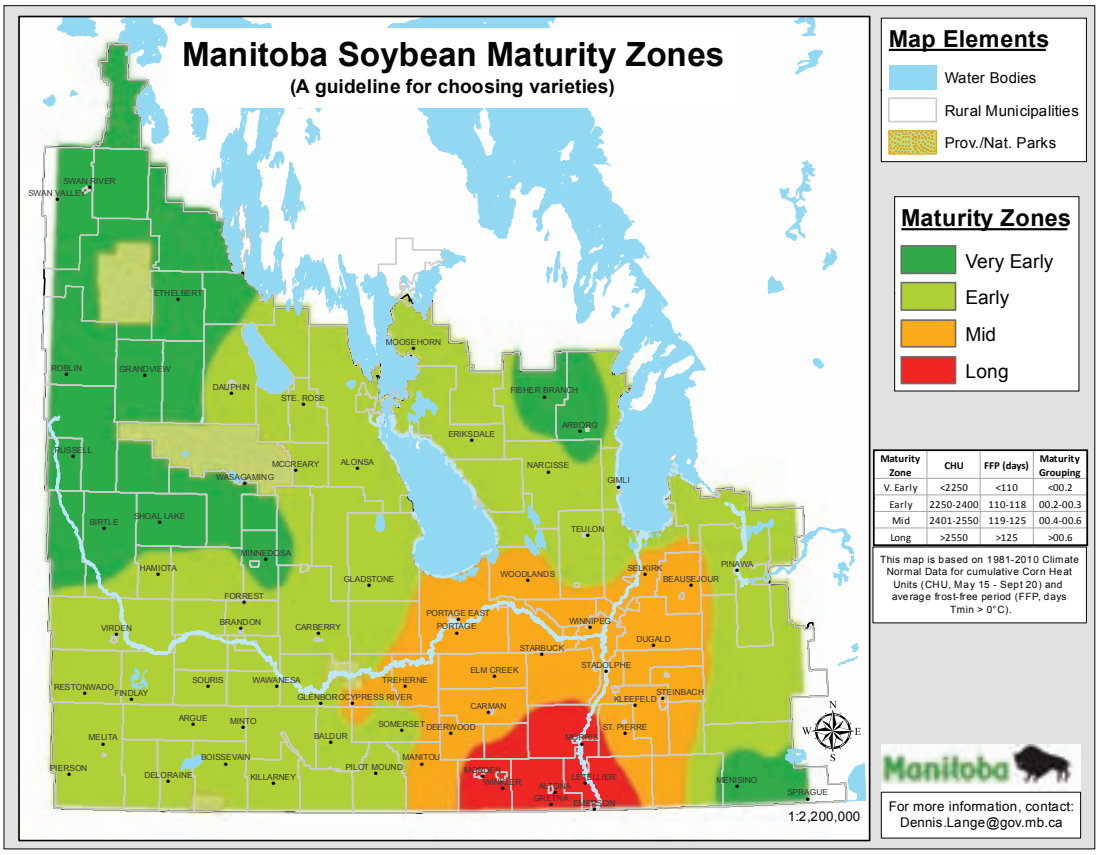
2 Hilum colour can range from Yellow (Y), ImperfectYellow (IY), Grey (G), Brown (BR), Buff (BF), Tan(TN), Clear (CL), Impefect Black (IB)or Black (BL) and is solely a marketing issue. The hilum is the point on the soybean seed where it attaches to the pod.

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

Comments:

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

Variety Descriptions

Manitoba Variety Zone	Company Variety	Yield Maturity Grouping	Site % Check	Years Tested	Relative Days to Maturity +/- Check Average	2017	2016	2015	2017 Yield % of NSC Reston RR2Y Boissevain	Carberry	Dauphin	Hamiota	Melita
Very	NSC LEROY RR2Y	000.6	83	10	-7	-8	-7	—	84	89	83	79	75
Early	P000A87R	000	81	5	-7	-7	—	—	82	85	86	73	83
Season	S0009-M2	000.9	100	15	-3	-4	-1	-5	101	100	103	88	96
Zone	Nocoma R2	000.8	98	5	-3	-3	—	—	109	100	100	92	85
	NSC Watson RR2Y	000.8	97	15	-2	-3	0	-4	97	97	99	87	87
	S0009-D6	000.9	90	5	-2	-2	—	—	82	92	101	84	91
	TH 87000 R2YX	000.8	85	5	-2	-2	—	—	80	89	88	87	79
	LS TRI7XT	000.7	90	5	-2	-2	—	—	92	89	97	86	86
	PS 00095 R2	000.9	94	10	-1	-3	0	—	96	98	92	96	99
	P002A63R	00.2	102	5	-1	-1	—	—	104	105	109	90	100
	NSC StarCity RRX2	000.9	91	5	-1	-1	—	—	85	106	89	88	85
	LS TRI9R2Y	000.9	94	5	-1	-1	—	—	97	89	101	90	90
	S001-B1	00.1	101	10	-1	-1	-1	—	92	101	105	100	93
	Barron R2X	000.8	91	5	-1	-1	—	—	96	93	94	82	90
	DARIO R2X	000.8	88	5	-1	-1	—	—	84	88	95	84	90
	22-60 RY	000.9	97	19	0	1	-1	-1	101	104	96	103	100
	NSC RESTON RR2Y	00.1	100	25	0	0	0	0	100	100	100	100	100
	PV 11S001 RR2	00.1	91	5	1	1	—	—	94	96	92	91	81
Early	S003-L3	00.3	104	10	2	0	4	—	101	114	112	96	94
Season	NSC Austin RR2Y	00.3	100	10	2	2	2	—	97	102	111	101	88
Zone	23-60RY	00.2	105	24	2	0	4	2	110	116	108	105	89
	S006-W5	00.5	106	10	2	0	4	—	96	98	119	102	100
	Torro R2	00.1	99	5	2	2	—	—	97	103	111	96	84
	PS 0044 XRN	00.4	100	5	2	2	—	—	105	94	101	101	98
	DKB0008-39	000.8	96	5	2	2	—	—	104	99	96	88	90
	TH 87003 R2X	00.3	109	5	3	3	—	—	106	122	113	105	95
	McLeod R2	00.3	106	25	3	1	4	3	99	106	109	100	94
	PS 0055 R2	00.4	98	10	3	3	3	—	96	105	111	83	96
	Mahony R2	00.3	107	19	3	4	3	3	99	105	111	104	99
	DYLANO R2X	00.4	91	5	3	3	—	—	74	99	108	90	83
	LS 002R24N	00.2	106	24	4	2	6	3	101	113	111	104	93
	DKB003-29	00.3	98	5	4	4	—	—	100	100	105	94	89
	MARDUK R2X	00.2	101	5	4	4	—	—	99	108	108	93	93
	S007-Y4	00.5	109	19	4	3	6	3	99	95	108	106	97
	MANI R2X	00.2	103	5	4	4	—	—	92	106	116	103	94
	Foote R2	00.5	103	5	5	5	—	—	103	107	111	91	101
	P006T46R	00.6	109	10	5	4	6	—	102	111	121	107	100
	NSC Newton RR2X	00.3	89	5	5	5	—	—	88	93	97	83	78
	TH 33003R2Y	00.3	103	25	5	3	7	5	93	108	108	102	83
	PS 0035 NR2	00.3	103	24	5	3	7	5	94	126	115	101	89
Mid	LS MISTRAL	00.5	109	5	5	5	—	—	109	105	121	107	99
Season	Akras R2	00.3	107	19	5	6	4	5	94	116	108	104	114
Zone	Lono R2	00.5	109	19	5	4	7	5	108	112	108	105	104
	Kosmo R2	00.3	92	5	5	5	—	—	91	96	99	91	81
	TH 37004 R2Y	00.4	111	20	6	4	7	—	97	108	109	107	91
	PV 10S005 RR2	00.5	110	5	6	6	—	—	111	116	118	104	95
	DS0067Z1	00.6	99	5	7	7	—	—	92	103	111	94	95
	TH 88005R2XN	00.5	97	5	7	7	—	—	94	103	101	97	85
	LS SOLAIRE	00.2	105	10	7	5	9	—	110	111	121	94	99
	TAMULA R2	00.5	106	10	7	6	8	—	103	126	102	99	95
	CHECK CHARACTERISTICS	53	25		122	124	123	118	**NSC Reston RR2Y (bu/ac)**	62	59	66	64	43
	NSC Reston RR2Y	bu/ac	site years			days to maturity			CV%	8	7	6	6	4
									LSD%	13	12	9	9	6
									Sign Diff.	Yes	Yes	Yes	Yes	Yes
									Seeding Date	18-May	15-May	17-May	10-May	15-May
									Harvest Date	30-Sep	28-Sep	10-Oct	11-Oct	29-Sep

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EASTERN MANITOBA CONVENTIONAL SOYBEANS

Comments:

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

Variety Descriptions

Manitoba Variety Zone	Company Maturity Grouping	Variety	Relative Days to Maturity[1] + / - of Check Average	2017	2016	2015	Yield % Check	Site Years Tested	Hilum Colour	IDC[2] Rating (1- 5)	IDC[2] Grouping
Early Season Zone	00.3	AAC Edward	-3	-5	-4	-1	104	29	IY	1.8	ST
	000.9	AAC Halli	-2	-3	-1	-1	99	22	Y	2.3	S
		Experimental lines that are being tested / proposed for registration in Canada									
	00.0	OT 16-01	-4	-4	—	—	106	7	IY	2.1	ST
	000.5	PR110530Z041	-4	-4	—	—	97	6	IY	1.6	T
Mid Season Zone	00.3	OAC Prudence	0	0	0	0	100	117	Y	1.6	T
	00.2	Maxus	0	0	—	—	98	6	IY	2.2	ST
		Experimental lines that are being tested / proposed for registration in Canada									
	000.7	PR110524Z023	-1	-1	—	—	102	6	IY	1.7	T
	000	Terra-11	-1	-1	—	—	114	6	CL	2.2	ST
	00.2	OT 16-02	0	0	—	—	107	7	Y	2.3	S
	00.4	Terra-12	2	2	—	—	96	6	CL	1.9	ST
Long Season Zone	0.0	Opus	6	6	—	—	108	6	IY	2.2	ST
		Experimental lines that are being tested / proposed for registration in Canada									
	00.4	OT 16-04	3	3	—	—	118	6	IY	2.5	S
	00.3	OT 16-05	3	3	—	—	120	6	IY	2.5	S
	00.6	OT 16-06	4	4	—	—	119	6	Y	2.4	S
	00.5	Terra-13	4	4	—	—	102	6	CL	2.1	ST
	00.9	OAC 13-05C	10	6	10	—	127	13	IY	3.0	S
	0.1	OT15-02	10	5	10	—	116	10	IY	2.4	S
CHECK CHARACTERISTICS											
OAC Prudence			114	118	117	108	49	117			
			days to maturity				bu/acre	site years			

1 Maturity Ratings for 2017 are average across Carman, Morris, Portage, St. Adolphe

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

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EASTERN CONVENTIONAL SOYBEANS *(continued)*

Yield Comparisons

		2017 Yield % of OAC Prudence								
		Early Sites			Core Sites				Late Sites	
Manitoba Variety Zone	Variety	Arborg	Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank
Early Season Zone	AAC Edward	103	98	91	130	108	100	116	—	—
	AAC Halli	108	99	102	101	92	94	119	—	—
	Experimental lines that are being tested / proposed for registration in Canada									
	OT 16-01	102	110	93	130	105	93	111	—	—
	PR110530Z041	—	—	—	112	87	97	99	100	97
Mid Season Zone	OAC Prudence	100	100	100	100	100	100	100	100	100
	Maxus	—	—	—	107	76	83	115	95	118
	Experimental lines that are being tested / proposed for registration in Canada									
	PR110524Z023	—	—	—	115	99	105	89	104	100
	Terra-11	—	—	—	119	98	100	116	121	131
	OT 16-02	94	106	115	119	102	97	123	—	—
	Terra-12	—	—	—	107	93	86	101	96	112
Long Season Zone	Opus		—	—	132	87	97	109	101	124
	Experimental lines that are being tested / proposed for registration in Canada									
	OT 16-04	—	—	—	118	111	114	124	110	136
	OT 16-05	—	—	—	135	104	114	129	126	123
	OT 16-06	—	—	—	137	106	107	129	107	141
	Terra-13	—	—	—	125	96	91	107	93	107
	OAC 13-05C	—	—	—	133	109	110	140	123	154
	OT15-02	—	—	—	116	99	122	126	126	152
Check Characteristics OAC Prudence (bu/acre)		35	50	37	41	40	41	25	45	44
	CV %	13	7	4	8	12	7	6	11	6
	LSD %	25	14	7	16	19	11	12	19	12
	Sign Diff	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes
	Seeding Date	23-May	26-May	16-May	15-May	19-May	26-May	15-May	18-May	15-May
	Harvest date	13-Oct	12-Oct	30-Sep	29-Sep	05-Oct	05-Oct	28-Sep	11-Oct	30-Sep

WESTERN MANITOBA CONVENTIONAL SOYBEAN

Comments:

The Western Manitoba Conventional soybean variety trial data donated by the Manitoba Pulse & Soybean Growers

Variety Descriptions

Manitoba Maturity Zone	Company Maturity Grouping	Variety	Yield %Check	Site Years Tested	Hilum Color	Relative Days to Maturity[1] Average	2017	2016	2017 Yield %OAC Prudence Carberry	Melita
Early Season Zone	000.9	AAC Halli	103	3	Y	-1	0	-2	97	98
	00.4	AAC Edward	106	3	IY	-2	-2	-1	100	97
	000	FJORD	85	3	IY	-2	-4	0	80	72
Mid Season Zone	00.3	OAC Prudence	100	3	Y	0	0	0	100	100
	000	ANSER	109	3	IY	3	0	5	106	101
	00	KEBEK	117	3	Y	4	1	6	104	92
		Experimental lines that are being tested / proposed for registration in Canada								
	000	OT 16-01	97	3	IY	0	0	—	103	90
	000	OT 16-02	106	3	IY	2	-1	4	104	110
		CHECK CHARACTERISTICS							**OAC Prudence (bu/acre)** 57	41
		OAC Prudence (bu/ac)	42 bu/ac	3 site years		112 days to maturity	116	107	CV% 10	8
									LSD% 17	13
									Sign Diff Yes	Yes
									Seeding Date 15-May	15-May
									Harvest Date 28-Sep	28-Sep

1 Maturity Based on Data from Carberry and Melita

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EASTERN MANITOBA ROUNDUP READY SOYBEAN

Variety Descriptions

Manitoba Variety Zone	Company Maturity Grouping	Variety	Type[1]	Relative Days to Maturity[2] + / - of Check Average	2017	2016	2015	Yield % Check	Site Years Tested	Hilum Colour	IDC[3] Rating (1- 5)	IDC[3] Grouping	Resistance to: SCN[4]	Resistance to: PRR[5]
	000.6	NSC LEROY RR2Y	R2Y	-13	—	-13	—	78	5	Y	2.2	ST	—	—
Very	000.9	22-60 RY	R2Y	-10	—	-10	-9	90	18	BL	2.1	ST	—	1c
Early	000.9	S0009-M2	R2Y	-8	-8	-9	-8	89	17	IY	2.2	ST	—	Rps6
Zone	000.9	PS 00095 R2	R2Y	-8	-6	-9	—	87	10	BL	1.7	T	—	—
	000.8	Nocoma R2	R2Y	-7	-7	—	—	93	6	B	2.2	ST	—	—
	000.8	NSC Watson RR2Y	R2Y	-7	-5	-8	-8	88	17	IY	2.1	ST	—	—
	00.1	NSC RESTON RR2Y	R2Y	-6	—	-7	-5	92	28	BL	2.6	S	—	1k
	00.1	S001-B1	R2Y	-6	—	-6	—	93	5	Y	1.9	ST	—	—
	00.1	Notus R2	R2Y	-6	—	-7	-5	95	18	BL	1.7	T	—	1c
	00.3	McLeod R2	R2Y	-5	—	-5	-5	95	28	BL	1.8	ST	—	—
	000.9	S0009-D6	R2Y	-5	-5	—	—	94	6	IY	2.4	S	—	1k
	00.2	Bishop R2	R2Y	-5	—	-4	-6	91	30	IY	2.3	S	—	—
	00.3	NSC Austin RR2Y	R2Y	-5	—	-4	-5	93	9	Y	2.2	ST	—	—
	000.9	LS TRI9R2Y	R2Y	-4	-4	—	—	94	6	IY	2.5	S	—	—
	00.2	P002A63R	RR1	-4	-4	—	—	99	6	TN	2.0	ST	—	1c
	00.1	PV 11S001 RR2	R2Y	-4	-4	—	—	94	6	Y	1.8	ST	—	—
Early	000.7	LS TRI7XT	R2X	-4	-4	—	—	88	6	GR	2.3	S	—	—
Season	00.5	S007-Y4	R2Y	-4	-2	-5	-5	105	30	IY	2.0	ST	—	1c
Zone	00.2	23-60RY	R2Y	-4	-3	-4	-4	102	30	BL	1.7	T	Yes	—
	00.3	S003-L3	R2Y	-4	-2	-4	-5	95	17	BR	2.2	ST	Yes	1c,1k
	00.2	LS 002R24N	R2Y	-4	—	-4	-3	103	24	BL	2.0	ST	Yes	—
	00.3	PS 0035 NR2	R2Y	-3	—	-3	-4	100	24	BL	1.9	ST	Yes	—
	000	Torro R2	R2Y	-3	-2	-5	—	94	17	BL	2.2	ST	—	1c
	00.6	P006T46R	RR1	-3	-3	-4	—	99	11	BR	2.0	ST	—	1c
	00.5	Lono R2	R2Y	-3	—	-3	-3	105	24	Y	2.0	ST	—	1k
	00.4	PS 0055 R2	R2Y	-3	—	-2	-5	97	15	IY	1.8	ST	—	1k
	00.3	Mahony R2	R2Y	-3	0	-5	-5	101	24	BL	2.9	S	—	—
	000.8	Barron R2X	R2X	-3	-3	—		91	6	BR	2.5	S	—	—
	00.5	S006-W5	R2Y	-3	-2	-3	-3	111	14	IY	2.5	S	—	1c,1k
	00.8	TH 87000 R2YX	R2X	—	—	—	—	nt*	nt	IY	2.1	ST	—	—
	000.9	NSC StarCity RRX2	R2X	—	—	—	—	nt	nt	BR	2.2	ST	—	—
	000.8	DKB0008-39	R2X	—	—	—	—	nt	nt	GR	2.2	ST	—	—
	000	P000A87R	RR1	—	—	—	—	nt	nt	TN	1.7	T	—	1k
	00.3	Akras R2	R2Y	-2	1	-4	-4	104	35	BL	1.7	T	—	1k
	00.5	Foote R2	R2Y	-2	0	-4	—	99	11	IY	1.8	ST	—	1c
	00.3	Kosmo R2	R2Y	-2	—	-2	—	84	5	Y	1.9	ST	—	—
	000	DARIO R2X	R2X	-2	-2	—	—	88	6	BR	2.8	S	—	—
	00.3	NSC Gladstone RR2Y	R2Y	-2	1	-3	-3	100	30	BL	2.1	ST	—	1c
	00.5	24-10RY	R2Y	-2	0	-3	-2	102	44	BL	1.9	ST	—	1c
	00.3	LS 003R24N	R2Y	-2	—	-1	-2	102	21	BL	1.9	ST	Yes	1c
	00.2	MANI R2X	R2X	-1	-1	—	—	104	6	BL	1.8	ST	Yes	1c
	00.3	DKB003-29	R2X	-1	-1	—	—	103	6	BL	1.7	T	—	—
Mid	00.2	LS SOLAIRE	R2Y	-1	1	-3	—	93	11	BL	2.4	S	—	1c,1k
Season	00.7	P007A90R	RR1	-1	-1	—	—	101	5	BL	1.9	ST	Yes	1c
Zone	00.5	Gray R2	R2Y	0	0	0	-1	100	33	BL	1.9	ST	—	1c
	00.4	LS 004XT	R2X	0	0	—	—	98	5	BL	1.9	ST	—	1c
	00.6	24-12RY	R2Y	0	1	-1	—	100	10	BL	2.0	ST	—	—
	00.4	PS 0044 XRN	R2X	0	0	—	—	101	6	BL	2.0	ST	Yes	1a,1k
	00.3	TH 33003R2Y	R2Y	0	0	0	0	100	44	BR	2.0	ST	—	1c
	00.7	NSC Richer RR2Y	R2Y	0	—	1	0	104	24	BL	1.6	T	—	1c
	00.8	P008T22R2	R2Y	0	2	0	-1	103	29	BL	1.6	T	—	1c
	00.5	TAMULA R2	R2Y	1	1	0	—	100	11	Y	2.3	S	—	—
	00.4	TH 37004 R2Y	R2Y	1	1	—	—	99	11	BL	2.0	ST	Yes	1c
	00.3	TH 87003 R2X	R2X	1	1	—	—	108	6	BL	1.7	T	—	—

Manitoba Variety Zone	Company Maturity Grouping	Variety	Type[1]	Relative Days to Maturity[2] + / - of Check Average	2017	2016	2015	Yield % Check	Site Years Tested	Hilum Colour	IDC[3] Rating (1- 5)	IDC[3] Grouping	Resistance to: SCN[4]	Resistance to: PRR[5]
	00.6	DUGALDO R2X	R2X	1	1	—	—	98	5	IY	2.3	S	—	—
	00.4	DYLANO R2X	R2X	1	1	—	—	90	6	GR	2.3	S	—	—
	00.7	NSC Riverside RR2X	R2X	1	1	—	—	98	5	BL	2.1	ST	—	—
	00.6	HS 006RYS24	R2Y	1	2	1	0	100	39	BL	1.7	T	—	—
	00.2	MARDUK R2X	R2X	1	1	—	—	101	6	Y	2.0	ST	—	1c
	00.3	NSC Newton RR2X	R2X	1	1	—	—	102	6	BR	2.1	ST	—	—
	00.8	Currie R2	R2Y	2	—	2	1	103	24	BL	1.8	ST	—	1k
Mid	00.5	LS Eclipse	R2Y	2	—	2	1	108	8	BL	2.2	ST	Yes	1c
Season	00.5	NSC Starbuck RRX2	R2X	2	2	—	—	102	6	BL	2.0	ST	—	—
Zone	00.6	DS0067Z1	R2Y	2	3	1	—	102	11	BL	1.7	T	—	—
	00.7	TH 88007R2X	R2X	2	2	—	—	106	6	BL	2.2	ST	—	1c
	00.6	DKB006-29	R2X	2	2	—	—	103	5	BL	1.6	T	—	—
	00.5	BARKER R2X	R2X	2	2	—	—	104	5	BL	1.8	ST	Yes	1k
	00.5	TH 88005R2XN	R2X	2	2	—	—	100	6	BL	1.8	ST	Yes	1c
	00.7	PV 12S007 R2X	R2X	2	2	—	—	104	5	BL	2.0	ST	—	—
	00.5	DKB005-52	R2X	2	2	—	—	108	5	BL	2.0	ST	—	—
	00.5	PRO 2525R2	R2Y	2	5	1	1	107	22	BL	1.7	T	—	—
		Experimental lines that are being tested / proposed for registration in Canada												
	00.7	EXP00717 XRN	R2X	2	2	—	—	103	5	BL	1.9	ST	Yes	1k
	00.8	S008-N2	R2Y	3	3	2	—	105	9	IY	1.8	ST	—	—
	00.6	LS 006XT	R2X	3	3	—	—	100	5	BL	1.7	T	—	—
	00.8	DOMINGO R2X	R2X	3	3	—	—	97	5	IY	2.0	ST	—	—
	00.6	0066 XR	R2X	3	3	—		101	5	IY	2.4	S	—	—
Long	00.8	TH 88008 R2X	R2X	3	3	—	—	103	6	BL	1.8	ST	—	1k
Season	00.7	PS 0074 R2	R2Y	3	5	3	1	107	24	BR	1.7	ST	—	—
Zone	00.5	LS MISTRAL	R2Y	3	5	2	—	112	10	BL	1.7	T	—	—
	00.9	NSC JORDAN RR2Y	R2Y	3	—	3	—	106	4	BL	2.2	ST	—	—
	0.1	HYDRA R2	R2Y	3	—	4	1	104	12	BL	2.1	ST	—	1k
	00.5	PV 10S005 RR2	R2Y	4	4	—	—	106	5	BL	1.9	ST	—	—
	00.7	RX00797	R2X	4	4	—	—	104	5	BL	1.6	T	Yes	1c
	00.8	DKB008-81	R2X	4	4	—	—	101	5	GR	1.9	ST	—	—
	0.2	LEMPO R2X	R2X	7	7	—	—	101	5	GR	2.1	ST	—	—
CHECK CHARACTERISTICS														
TH 33003R2Y				118	117	121	115	51	44					
				days to maturity				bu/acre	site years					

* nt indicates not tested in 2017
1 R2X Indicates xtend Technolgy
2 Maturity Ratings for 2017 are average across Carman, Morris, Portage, St. Adolphe
3 Iron Deficiency Chlorosis (IDC) Groupings; T=Tolerant, ST=Semi-Torerant, S=Suceptible
4 SCN -Soybean Cyst Nematode Resitance
5 PRR Phytophthora Root Rot

EASTERN ROUND UP READY SOYBEANS *(continued)*

Yield Comparison

		2017 Yield: % TH 33003R2Y						
		Early Sites		Core Sites				Late Sites
Manitoba Variety Zone	Variety	Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Rosebank
Very Early Season Zone	S0009-M2	98	86	96	80	100	84	—
	PS 00095 R2	95	86	100	82	104	85	—
	NocomaR2	89	92	97	96	89	94	—
	NSC Watson RR2Y	106	90	96	86	99	82	—
Early Season Zone	S0009-D6	120	81	97	88	87	80	—
	LS TRI9R2Y	110	75	102	81	97	86	—
	P002A63R Ω	129	84	90	111	95	79	—
	PV 11S001 RR2	100	87	102	91	91	85	—
	LS TRI7XT	100	82	91	80	90	81	—
	S007-Y4	115	106	98	94	108	110	—
	23-60RY	109	99	102	110	115	106	—
	S003-L3	96	99	93	87	109	93	—
	Torro R2	124	99	101	110	101	94	—
	P006T46R Ω	105	86	104	98	111	95	—
	Mahony R2	115	94	101	104	101	99	—
	Barron R2X	114	80	90	84	88	84	—
	S006-W5	140	100	119	97	109	83	—
Mid Season Zone	Akras R2	113	106	103	106	109	114	—
	Foote R2	121	82	101	79	115	98	—
	DARIO R2X	100	83	87	71	98	87	—
	NSC Gladstone RR2Y	116	97	91	99	100	108	—
	24-10RY	115	96	108	115	107	102	99
	MANI R2X	110	99	103	103	105	106	—
	DKB003-29	103	107	97	113	103	100	—
	LS SOLAIRE	97	92	96	104	101	99	—
	P007A90R Ω	—	—	100	101	118	102	89
	Gray R2	—	—	106	88	109	86	94
	LS 004XT	—	—	102	92	108	91	95
	24-12RY	—	—	104	108	103	83	105
	PS 0044 XRN	116	83	105	98	100	94	—
	TH 33003R2Y	100	100	100	100	100	100	100
	P008T22R2 Ω	—	—	101	104	96	95	96
	TAMULA R2	88	103	105	101	113	115	—
	TH 37004 R2Y	125	83	100	102	104	88	—
	TH 87003 R2X	119	105	107	113	101	97	—
	DUGALDO R2X	—	—	97	99	105	99	94
	DYLANO R2X	88	83	96	89	95	77	—
	NSC Riverside RR2X	—	—	99	87	95	104	105
	HS 006RYS24	114	92	103	105	105	100	—
	MARDUK R2X	116	97	102	99	91	98	—
	NSC Newton RR2X	120	99	95	94	102	102	—
	NSC Starbuck RRX2	126	88	95	105	100	97	—
	DS0067Z1	101	86	92	96	113	90	—
	TH 88007R2X	116	101	106	104	105	102	—
	DKB006-29	—	—	110	111	97	100	95
	BARKER R2X	—	—	106	106	109	98	101
	TH 88005R2XN	101	86	91	112	111	103	—
	PV 12S007 R2X	—	—	109	105	106	96	100
	DKB005-52	—	—	111	115	113	92	106
	PRO 2525R2	—	—	106	97	109	100	100
	Experimental lines that are being tested / proposed for registration in Canada							
	EXP00717 XRN	—	—	108	103	108	96	99

		2017 Yield: % TH 33003R2Y						
		Early Sites		Core Sites				Late Sites
Manitoba Variety Zone	**Variety**	**Beausejour**	**Stonewall**	**Carman**	**Morris**	**Portage**	**St. Adolphe**	**Rosebank**
	S008-N2	—	—	100	93	107	102	107
	LS 006XT	—	—	103	95	95	97	102
	DOMINGO R2X	—	—	91	100	104	92	97
Long	0066 XR	—	—	98	98	102	95	109
Season	TH 88008 R2X	114	98	103	98	99	106	—
Zone	PS 0074 R2	—	—	100	95	121	102	110
	LS MISTRAL	122	100	113	109	111	101	—
	PV 10S005 RR2	—	—	109	83	114	106	114
	RX00797	—	—	104	102	116	104	98
	DKB008-81	—	—	105	81	97	89	114
	LEMPO R2X	—	—	101	83	103	88	116
Check Characteristics	**TH 33003R2Y (bu/ac)**	50	39	56	47	44	33	60
	CV%	13	5	5	8	8	5	5
	LSD%	24	8	9	12	13	8	9
	Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Seeding Date	26-May	16-May	15-May	19-May	26-May	15-May	15-May
	Harvest Date	11-Oct	30-Sep	29-Sep	05-Oct	05-Oct	21-Sep	30-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)	Seed Sizing(%) >22/64 inch	>20/64 inch	Medium
NuSeed America	6946 DMR	DM	15	100	0	0	40	30	30
NuSeed America	Jaguar DMR	CL / DM	3	97	1	4	61	20	19
NuSeed America	Panther DMR	DM	6	92	0	-3	54	25	21
Experimental lines being tested/proposed for registration in Canada									
NuSeed America	NSKM53777	CL	4	97	7	-4	75	22	3
NSAC	57007	ExSun	4	88	4	7	55	27	18
NSAC	57085	ExSun	4	110	-1	6	52	30	18
NSAC	57009	ExSun	4	80	2	-1	61	23	16
	CHECK CHARACTERISTICS								
	6496 DMR		15 site years	3406 lb/ac	118 days	70 inches			

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

Site Comparisons

Hybrid	Carberry Yield (lb/ac)	Carberry Maturity*	Carberry Test Wt (lb/bu A)	Rossendale Yield (lb/ac)	Rossendale Maturity*	Rossendale Test Wt (lb/bu A)	Marquette Yield (lb/ac)	Marquette Maturity*	Marquette Test Wt (lb/bu A)	Melita Yield (lb/ac)	Melita Maturity*	Melita Test Wt (lb/bu A)
6946 DMR	3345	117	28.1	2789	120	25.4	3275	130	25.4	3480	140	26.3
Panther DMR	2629	116	23.8	2848	120	25.2	3792	132	24.6	2255	141	25.5
Experimental lines being tested/proposed for registration in Canada												
NSKM53777	3140	119	24.1	2849	130	23.2	3405	133	24.0	3141	142	21.9
57007	1558	115	21.7	3139	125	24.3	3456	133	24.6	3201	140	24.2
57085	3217	117	21.7	3474	119	23.5	3913	129	24.1	3511	138	24.4
57009	1524	114	20.2	2503	123	24.7	3344	131	24.4	2981	140	24.3
Site Average (lb/ac)	2569	116		2934	123	24.4	3530	131	24.5	3094	140	24.3
CV%	10.3			9.4			7.2			8.2		
Sign Diff	Yes			Yes			Yes			Yes		
LSD (0.05)	479			501			464			464		
Planting Date	11-May			12-May			10-May			18-May		
Desiccation Date	—			18-Sep			18-Sep			02-Oct		
Harvest Date	October			02-Oct			06-Oct			11-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.

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SUNFLOWERS - OIL TYPE

Comments:

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

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 % Check	Maturity (days to R9)	Height (inches)	% Oil	Oil Type	Sizing (>16/64)	Test Weight
Dow Seed	8H288CLDM	CL / DM	6	94	3	-5	48.4	HO	6	31.4
NuSeed America	Cobalt II	CL / DM	9	102	2	-4	46.2	HO	17	33.7
NuSeed America	Talon	ExSun	6	104	-1	-4	45.3	NS	41	29.6
NuSeed America	N4HM354	CL / DM	6	111	0	-4	48.3	HO	14	34.7
DuPont Pioneer	P63ME70	ExSun / DM	11	100	0	0	47.8	NS	37	31.2
DuPont Pioneer	P63ME80	ExSun / DM	11	101	2	0	49.9	NS	40	32.6
Experimental lines being tested/proposed for registration in Canada										
Dow Seed	MY8H131CL	CL	6	97	-3	-10	47.9	HO	62	32.4
Dow Seed	MY8H270CL	CL	3	98	-1	-10	47.8	HO	17	33.6
Quarry Seed	Honeycomb NS	—	6	85	-10	-8	41.9	NS	—	31.0
DuPont Pioneer	P63HE60	ExSun / DM	6	99	-2	-1	47.2	HO	32	33.4
	CHECK CHARACTERISTICS									
	P63ME70		11 site years	3482 lb/ac	122 days	72 inches				

1 Genetic traits include CL = Clearfield tolerance; ExSun = Express tolerance; DM = Downy Mildew Resistance.
2 Oil Type include NS=NuSun; HO=High Oleic.
At Carberry, heads were clipped and dried artificially for stationary combining.

Site Comparisons

Hybrid	Carberry Yield (lb/ac)	Carberry Maturity* (days to R9)	Carberry Test Wt (lb/bu A)	Rossendale Yield (lb/ac)	Rossendale Maturity* (days to R9)	Rossendale Test Wt (lb/bu A)	Marquette Yield (lb/ac)	Marquette Maturity* (days to R9)	Marquette Test Wt (lb/bu A)
8H288CLDM	2919	120	35.4	2649	123	32.7	2833	132	33.5
Cobalt II	3496	118	37.4	3221	130	35.8	3125	132	36.5
Talon	3031	118	33.7	3326	126	31.0	3452	131	31.5
N4HM354	3692	117	37.7	3355	125	36.8	3549	132	37.2
P63ME70	3364	119	34.3	3152	123	31.5	3372	132	31.2
P63ME80	3214	119	35.4	2982	129	33.4	3117	133	33.9
Experimental lines being tested/proposed for registration in Canada									
MY8H131CL (E84131)	3097	116	34.4	3097	120	35.0	2986	124	35.6
MY8H270CL	3019	118	35.9	2934	124	34.0	3094	128	34.5
P63HE60	3353	118	37.0	2970	120	33.0	3062	130	34.9
Site Average (lb/ac)	3199	118	35.4	3030	124	33.7	3146	130	34.3
CV%	4.3			6.2			6.1		
Sign Diff	Yes			Yes			Yes		
LSD (0.05)	238			324			329		
Planting Date	11-May			12-May			10-May		
Desiccation Date	—			18-Sep			18-Sep		
Harvest Date	October			02-Oct			06-Oct		

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

Distributor Contacts for Listed Varieties in Seed Manitoba 2018

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 Bravo	FP Genetics
AAC Marvelous	FP Genetics
AAC Prairie Sunshine	SeCan
AC Emerson	SeCan
CDC Bethune	SeCan
CDC Buryu	SeCan
CDC Glas	SeCan
CDC Neela	CANTERRA SEEDS
CDC Plava	SeCan
CDC Sanctuary	SeCan
CDC Sorrel	SeCan
Hanley	SeCan
Lightning	CANTERRA SEEDS
NuLin VT 50	Crop Production Services/Proven Seed
Prairie Blue	SeCan
Prairie Grande	SeCan
Prairie Sapphire	Alliance Seed
Prairie Thunder	CANTERRA SEEDS
Taurus	FP Genetics
Topaz	Alliance Seed
Vimy	SeCan
WestLin 60	Crop Production Services/Proven Seed
WestLin 70	Crop Production Services/Proven Seed
WestLin 71	Crop Production Services/Proven Seed
WestLin 72	Crop Production Services/Proven Seed

CONVENTIONAL SOYBEANS

OAC PRUDENCE	SeCan
AAC EDWARD	SeCan
AAC Mandor	Delmar Commodities
AAC Morden	SeCan

ROUNDUP READY SOYBEANS

Akras R2	Brett Young
HYDRA R2	Brett Young
Kosmo R2	Brett Young
LEMPO R2X	Brett Young
Lono R2	Brett Young
MANI R2X	Brett Young
MARDUK R2X	Brett Young
Notus R2	Brett Young
TAMULA R2	Brett Young
Nocoma R2	Brett Young
PV 10S005 RR2	Crop Production Services/Proven Seed
PV 11S001 RR2	Crop Production Services/Proven Seed
PV 12S007 R2X	Crop Production Services/Proven Seed
RX00797	CROPLAN
22-60RY	DEKALB
23-11RY	DEKALB
23-60RY	DEKALB
24-10RY	DEKALB
24-11RY	DEKALB
24-12RY	DEKALB
DKB0008-39	DEKALB
DKB003-29	DEKALB
DKB005-52	DEKALB
DKB006-29	DEKALB
DKB008-81	DEKALB
LS 002R24N	Delmar Commodities
LS 003R24N	Delmar Commodities
LS 004XT	Delmar Commodities
LS 005R22	Delmar Commodities
LS 006XT	Delmar Commodities
LS Eclipse	Delmar Commodities
LS Maidan	Delmar Commodities
LS Maidan	Delmar Commodities
LS MISTRAL	Delmar Commodities
LS Northwester	Delmar Commodities
LS SOLAIRE	Delmar Commodities
LS TRI7XT	Delmar Commodities
LS TRI9R2Y	Delmar Commodities
PRO 2525R2	Delmar Commodities
PRO 2535R2	Delmar Commodities
DS0067Z1	Dow Seeds
HS 006RYS24	Dow Seeds
HS 007RY32	Dow Seeds
P000A87R	DuPont Pioneer
P002A63R	DuPont Pioneer
P002T04R	DuPont Pioneer

ROUNDUP READY SOYBEANS

P005T13R	DuPont Pioneer
P006T46R	DuPont Pioneer
P006T46R	DuPont Pioneer
P006T78R	DuPont Pioneer
P007A90R	DuPont Pioneer
P008T22R2	DuPont Pioneer
P008T70R	DuPont Pioneer
NSC Austin RR2Y	North Star Genetics Manitoba
NSC Gladstone RR2Y	North Star Genetics Manitoba
NSC LEROY RR2Y	North Star Genetics Manitoba
NSC Newton RR2X	North Star Genetics Manitoba
NSC Reston RR2Y	North Star Genetics Manitoba
NSC Richer RR2Y	North Star Genetics Manitoba
NSC Riverside RR2X	North Star Genetics Manitoba
NSC Starbuck RRX2	North Star Genetics Manitoba
NSC StarCity RRX2	North Star Genetics Manitoba
NSC Watson RR2Y	North Star Genetics Manitoba
0066 XR	PRIDE Seeds
PS 00095 R2	PRIDE Seeds
PS 0035 NR2	PRIDE Seeds
PS 0044 XRN	PRIDE Seeds
PS 0055 R2	PRIDE Seeds
PS 0074 R2	PRIDE Seeds
DARIO R2X	Quarry Seeds Ltd.
DOMINGO R2X	Quarry Seeds Ltd.
DUGALDO R2X	Quarry Seeds Ltd.
DYLANO R2X	Quarry Seeds Ltd.
Torro R2	Quarry Seeds Ltd.
BARKER R2X	SeCan
Barron R2X	SeCan
Bishop R2	SeCan
Chadburn R2	SeCan
Currie R2	SeCan
Foote R2	SeCan
Gray R2	SeCan
Hero R2	SeCan
Mahony R2	SeCan
McLeod R2	SeCan
S0009-D6	Syngenta Canada
S0009-M2	Syngenta Canada
S001-B1	Syngenta Canada
S003-L3	Syngenta Canada
S006-W5	Syngenta Canada
S007-Y4	Syngenta Canada
S008-N2	Syngenta Canada
TH 33003 R2Y	Thunder Seeds Canada
TH 33004R2Y	Thunder Seeds Canada
TH 33005R2Y	Thunder Seeds Canada
TH 34006R2Y	Thunder Seeds Canada
TH 35002R2Y	Thunder Seeds Canada
TH 36007R2Y	Thunder Seeds Canada
TH 37004 R2Y	Thunder Seeds Canada
TH 87000 R2YX	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

SUNFLOWERS

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

DISTRIBUTOR	PHONE NUMBER
Alliance Seed	1-877-270-2890
Bayer CropScience	1-888-283-6847
Brett Young	1-800-665-5015
CANTERRA SEEDS	1-877-744-4321
Cargill Ltd.	1-888-855-8558
CHS Sunflower	1-701-484-5313
Crop Production Services Canada Inc	(204) 435-2063
CROPLAN	306-249-5112
DEKALB	1-800-667-4944
Delmar Commodities	1-888-974-7246
Dow Seeds	1-800-265-7403
DuPont Pioneer	(306) 385-3001
FP Genetics	1-877-791-1045
North Star Genetics Manitoba	1-701-454-6427
Nuseed Americas Inc	1-877-841-7447
PRIDE Seeds	1-800-265-5280
Quarry Seeds Ltd.	1-888-274-9243
SeCan	1-800-665-7333
Sevita International	1-613-989-5400
Syngenta Canada Inc.	1-877-964-3682
Thunder Seeds Canada	1-306 213 8888

Growers List

CANOLA

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1918

Winnipeg; Canterra Seeds Ltd.	204-988-9750				C

CS2100

Winnipeg; Canterra Seeds Ltd.	204-988-9750				C

FLAX

AAC BRAVO

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622				R

AAC BRIGHT

Dufrost; Catellier, Patrick Raymond	204-347-5503				R
Holland; Patenaude, Donald & Robert	204-526-2391				R
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208	S			R

AC NUGGET

Oak Bank; Kyle, Lorne C. & C. Angus	204-822-4396				R
Oak Bank; Smith, Howard Grant & Greg	204-444-3908				R
Winkler; Walkof, Karl D.	204-325-4669				R

FLAX

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CDC BETHUNE

Notre Dame; Durand, Gabriel A. & Marc	204-248-2268			C	*
Oak Lake; Smith, Gerald R.& Leigh E.	204-855-3128			C	*
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813			C	*
Souris; Kohut, Anton	204-483-2004			C	*

CDC GLAS

Carman; Menold, Thomas	204-745-3377			C	*
Crandall; Doupe, Neil D.	204-562-3632		R	C	*
Crystal City; Buchanan, Kenneth S.& Dean K.	204-873-2661			C	*
Foxwarren; Graham, George Arthur	204-683-2367			C	*
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	S	F R		*
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658			C	*

CDC NEELA

Fannystelle; Nadeau, Brian	204-436-2469			C	
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813			C	

CDC PLAVA

Carman; Menold, Thomas	204-745-3377		F	C	
Foxwarren; Graham, George Arthur	204-683-2367		F		

CDC SORREL

Wawanesa; Ellis, Warren P. & Simon	204-824-2290		R		*

LIGHTNING

Somerset; Sierens, Joseph & Chris	204-744-2883		R		

PRAIRIE SAPPHIRE

Elphinstone; Gerrard, Jody	204-759-2213		R		

WESTLIN 60

High River; Proven Seed/CPS	403-603-6011		R		

WESTLIN 72

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566		R		
High River; Proven Seed/CPS	403-603-6011		R		

SOYBEANS

0066 XR

Chattam; Pride Seeds	519-354-3210	S	F	R	

22-60 RY

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888	S	F	R	C

23-11RY

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888				C

23-60RY

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888	S	F	R	C

24-10RY

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888		F	R	

24-12RY

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888	S	F	R	C

25-10RY

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888	S		R	C

AAC EDWARD

Arborg; Johnson, Reginald H., James G. & Tim G.	204-642-2570			R	

AAC HALLI

Arborg; Interlake.Org. Inc	204-641-0238	S			

AAC SPRINGFIELD

Oak Bank; Kyle, Lorne C. & C. Angus	204-822-4396	S		R	

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AKRAS R2

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

ASTRO R2

Dilworth; Thunder Seeds, Inc.	218-422-9011	S	F	R

BARKER R2X

Carman; Park, Robert J.	204-745-3304				C
Dufrost; Catellier, Patrick Raymond	204-347-5503				C
Dufrost; Catellier, Roger & Richard	204-347-5588				C
Morris; Hamblin, Donald & Bradley	204-209-0506				C
Oak Bluff; Anseeuw , Mark J.	204-895-8375			R	C
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	S	F		C
Winnipeg; James, David G.	204-222-8785				C

BARRON R2X

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566				C
Brandon; Wheat City Seeds Ltd.	204-727-3337				C
Dauphin; Kaleta, James & Debra	204-638-7800			R	
Wawanesa; Ellis, Warren P. & Simon	204-824-2290				C

BISHOP R2

Arborg; Timchishen, Donald Victor & Darcy	204-641-1288			R	

CBZ414A1-C0DNN

Grosse Isle; Rutherford, Rick	204-467-5613	S		R	
Rosenort; Friesen, Rick	204-746-8325		F		

CURRIE R2

Altona; Wiebe, Henry D. & Lloyd	204-324-8036			R	

DARIO R2X

Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	R	C

DH863

Winnipeg; Cloutier, Denis C.	204-261-4532				C

DKB0008-39

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888	S	F

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DKB003-29

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888	S	F	R

DKB005-52

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888	S	F	R	C

DKB006-29

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888	S			C

DKB008-81

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888	S		R	C

DS0067Z1

Blenheim; Dow AgroSciences Canada Inc.	877-455-5005	S	F	R

DOMINGO R2X

Stonewall; Quarry Seed Ltd.	204-467-8877	S		R	C

DUGALDO R2X

Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	R	C

DYLANO R2X

Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	R

FOOTE R2

Arborg; Timchishen, Donald Victor & Darcy	204-641-1288			R	
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566			R	
Brandon; Wheat City Seeds Ltd.	204-727-3337			R	
Carman; Park, Robert J.	204-745-3304			R	
Darlingford; Wilson, James M.	204-246-2388			R	
Dauphin; Kaleta, James & Debra	204-638-7800			R	
Dufrost; Catellier, Patrick Raymond	204-347-5503			R	
Plumas; Court, Randolph A. & Tracy L.	204-386-2354			R	
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417			R	
Portage; Pugh, William G.& B.M. & Victoria	204-274-2179			R	
Warren; Riddell, Craig Thomas	204-227-5679	S		R	
Kanata; SeCan Association	613-592-8600			R	

FLZ215A2-CODNN

Tillsonburg; Monsanto Canada Inc. (Mb Acct)	519-688-9888			R

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08/17-56766-1

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GRAY R2

Carman; Park, Robert J.	204-745-3304	S	F	R
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	S	F	C

GS1001

Sprague; Gowan, Ralph T.	204-437-4641	F	R

HS 006RYS24

Blenheim; Dow AgroSciences Canada Inc.	877-455-5005	F	R

HYDRA R2

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

KOSMO R2

Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	R

LONO R2⊛

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

LS 002R24N

Winkler; Delmar Commodity Ltd.	204-331-3696	F	C

LS 004XT

Winkler; Delmar Commodity Ltd.	204-331-3696	S	F

LS ECLIPSE

Winkler; Delmar Commodity Ltd.	204-331-3696	S	R	C

LS MISTRAL

Winkler; Delmar Commodity Ltd.	204-331-3696	S	F	R	C

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LS NORTHWESTER

Winkler; Delmar Commodity Ltd.	204-331-3696		R	

LS SOLAIRE

Winkler; Delmar Commodity Ltd.	204-331-3696	S	F	R

LS TRI7XT

Winkler; Delmar Commodity Ltd.	204-331-3696	S	F

LS003R24N

Winkler; Delmar Commodity Ltd.	204-331-3696	S	F	R	C

LS005R22

Winkler; Delmar Commodity Ltd.	204-331-3696		R	C

LSTRI9R2Y

Winkler; Delmar Commodity Ltd.	204-331-3696	S

MAHONY R2

Arborg; Timchishen, Donald Victor & Darcy	204-641-1288			C
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566			C
Brandon; Wheat City Seeds Ltd.	204-727-3337			C
Carman; Park, Robert J.	204-745-3304			C
Darlingford; Wilson, James M.	204-246-2388		R	
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012			C
Miniota; Walker, Alan Glen	204-567-3647			C
Oak Bluff; Anseeuw , Mark J.	204-895-8375			C
Oakville; Miller, Andrea & Chabot, Steven	204-267-2363			C
Rivers; Redsper Ent. Ltd.	204-328-5346			C
Virden; Heaman, Doug J., Walter, Robert, Kenneth & Brittany	204-748-7666			C
Warren; Riddell, Craig Thomas	204-227-5679	S	F	C
Wawanesa; Ellis, Warren P. & Simon	204-824-2290			C
Winnipeg; James, David G.	204-222-8785			C

MANI R2X

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

MARDUK R2X

St. Norbert; Brett-Young Seeds Limited	204-261-7932	S	R

MAXUS

Stonewall; Quarry Seed Ltd.	204-467-8877	R

MCLEOD R2

Brandon; Wheat City Seeds Ltd.	204-727-3337			C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817		R	
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	S	F	C
Portage; Pugh, William G.& B.M. & Victoria	204-274-2179			C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495		R	C
Virden; Heaman, Doug J., Walter, Robert, Kenneth & Brittany	204-748-7666			C

NOTUS R2⊛

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

NSC ARNAUD RR2Y

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	C
Plum Coulee; Giesbrecht, Raymond J. & Clayton J.	204-829-3365	C
Rosenort; Friesen, Lloyd	204-746-8198	S R C

NSC AUSTIN RR2Y

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S	F
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849		R
Fannystelle; Nadeau, Brian	204-436-2469		C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817		C
Morris; Anderson, Riley	204-746-5742		C
Winnipeg; Northstar Genetics,	204-262-2421		C

NSC GLADSTONE RR2Y

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	C
Fannystelle; Nadeau, Brian	204-436-2469	C
Grosse Isle; Rutherford, Rick	204-467-5613	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	C

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Plum Coulee; Giesbrecht, Raymond J. & Clayton J.	204-829-3365			C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354			C
Rosenort; Friesen, Lloyd	204-746-8198			C
St. Claude; Rouire, Roland & Guy	204-379-2582			C
Winnipeg; Northstar Genetics,	204-262-2421			C

NSC GREENRIDGE RR2Y

Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S	F	
Fannystelle; Nadeau, Brian	204-436-2469			C
Rosenort; Friesen, Rick	204-746-8325		F	

NSC JORDAN RR2Y

Domain; Manness, Ronald & Patricia & Graeme	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			C
Plum Coulee; Giesbrecht, Raymond J. & Clayton J.	204-829-3365			C
Rosenort; Friesen, Lloyd	204-746-8198			C
Rosenort; Friesen, Rick	204-746-8325		R	
Winnipeg; Northstar Genetics,	204-262-2421			C

NSC LEROY

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566			C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849		R	
Fannystelle; Nadeau, Brian	204-436-2469			C
Grosse Isle; Rutherford, Rick	204-467-5613	S	F	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817			C

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Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422			C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354			C
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813			C
St. Claude; Rouire, Roland & Guy	204-379-2582			C
Winnipeg; Northstar Genetics,	204-262-2421			C

NSC RESTON RR2Y

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622			C
Grosse Isle; Rutherford, Rick	204-467-5613			C
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813			C
St. Claude; Rouire, Roland & Guy	204-379-2582			C

NSC RICHER RR2Y

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622			C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849			C
High Bluff; Tidsbury, Keith	204-857-3514			C
Plum Coulee; Giesbrecht, Raymond J. & Clayton J.	204-829-3365			C
Winnipeg; Northstar Genetics,	204-262-2421			C

NSC RIVERSIDE RR2Y

Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S	F	
Homewood; Froebe, Bruce D. & Murray	204-745-6655		F	

NSC STARBUCK RRX2

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622			C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849		R	

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Fannystelle; Nadeau, Brian	204-436-2469				C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817				C
Homewood; Froebe, Bruce D. & Murray	204-745-6655				C
Plum Coulee; Giesbrecht, Raymond J. & Clayton J.	204-829-3365				C
Rosenort; Friesen, Lloyd	204-746-8198				C
Winnipeg; Northstar Genetics,	204-262-2421				C

NSC STARCITY RR2X

Dauphin; Fisher, Roderick Allan & Douglas James	204-622-8800				C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849			R	C
Fannystelle; Nadeau, Brian	204-436-2469				C
Grosse Isle; Rutherford, Rick	204-467-5613	S		R	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817				C
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813				C
Rosenort; Friesen, Rick	204-746-8325				C
St. Claude; Rouire, Roland & Guy	204-379-2582				C
Winnipeg; Northstar Genetics,	204-262-2421				C

NSC WATSON RR2Y

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566				C
Domain; Manness, Ronald & Patricia & Graeme	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				C
Fisher Branch; Caners, Allan	204-372-6863				C
Grosse Isle; Rutherford, Rick	204-467-5613				C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817				C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354				C
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813				C
Rosenort; Friesen, Lloyd	204-746-8198			R	
Somerset; Sierens, Joseph & Chris	204-744-2883				C
St. Claude; Rouire, Roland & Guy	204-379-2582				C
Winnipeg; Northstar Genetics,	204-262-2421				C

OAC PRUDENCE

Carman; Menold, Ulrich & Lucas	204-745-2822		F	R	

OPUS

Stonewall; Quarry Seed Ltd.	204-467-8877			R	

P0007A43R

Chatham; Pioneer Hi-Bred	800-265-0554	S	F	R	

P000A87R

Chatham; Pioneer Hi-Bred	800-265-0554	S	F	R	

P002A19X

Chatham; Pioneer Hi-Bred	800-265-0554	S	F	R	

P002A63R

Chatham; Pioneer Hi-Bred	800-265-0554	S	F	R	

P002T04R

Chatham; Pioneer Hi-Bred	800-265-0554			R	

P005A27X

Chatham; Pioneer Hi-Bred	800-265-0554	S	F	R	

P005T13R

Chatham; Pioneer Hi-Bred	800-265-0554	S	F	R	

P006T46R

Chatham; Pioneer Hi-Bred	800-265-0554	S	F	R	

P006T78R

Chatham; Pioneer Hi-Bred	800-265-0554			R	

P007A90R

Chatham; Pioneer Hi-Bred	800-265-0554	S	F	R	C

P008T22R2

Chatham; Pioneer Hi-Bred	800-265-0554	S		R	

PODAGA R2

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

PRO2525R2

Winkler; Delmar Commodity Ltd.	204-331-3696	S	F	R	C

PS 0044 XRN

Chatham; Pride Seeds	519-354-3210		F	R	

SOYBEANS

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

PS 0074 R2

Chatham; Pride Seeds	519-354-3210		F	R	

PS 00095 R2

Chatham; Pride Seeds	519-354-3210	S	F	R	C

PS 0035 NR2

Chatham; Pride Seeds	519-354-3210	S			C

PS 0055 R2

Chatham; Pride Seeds	519-354-3210	S	F		C

PV 10S005 RR2

Dilworth; Thunder Seeds, Inc.	204-750-2192			R	
High River; Proven Seed/CPS	403-603-6011	S		R	C

PV 11S001 RR2

High River; Proven Seed/CPS	403-603-6011	S		R	

PV 12S007 RX2

High River; Proven Seed/CPS	403-603-6011	S	F	R	

RX ACRON

Tilbury; Maizex Seeds Inc.	519-682-1720	S	F	R	C

S0009-D6

Guelph; Syngenta Canada, Inc.	519-836-5665		F	R	

S0009-M2

Guelph; Syngenta Canada, Inc.	519-836-5665		F	R	C

S001-B1

Guelph; Syngenta Canada, Inc.	519-836-5665		F	R	

S003-L3

Guelph; Syngenta Canada, Inc.	519-836-5665			R	C

S006-W5

Guelph; Syngenta Canada, Inc.	519-836-5665	S	F	R	C

S007-Y4

Guelph; Syngenta Canada, Inc.	519-836-5665		F	R	C

S008-N2

Guelph; Syngenta Canada, Inc.	519-836-5665		F	R	C

TH 34006R2Y

Dilworth; Thunder Seeds, Inc.	204-750-2192		F	R	C

TH 36007RR2YN

Dilworth; Thunder Seeds, Inc.	204-750-2192				C

TH 37004 R2Y

Dilworth; Thunder Seeds, Inc.	204-750-2192	S	F	R	

TH 87000 R2X

Dilworth; Thunder Seeds, Inc.	204-750-2192			R	C

TH 87003 R2X

Dilworth; Thunder Seeds, Inc.	204-750-2192			R	C

TH 88005R2XN

Dilworth; Thunder Seeds, Inc.	204-750-2192	S	F	R	

TH 88007R2X

Dilworth; Thunder Seeds, Inc.	204-750-2192	S	F	R	

TH32004R2Y

Dilworth; Thunder Seeds, Inc.	204-750-2192		F	R	C

TH33003R2Y

Dilworth; Thunder Seeds, Inc.	204-750-21921	S		R	C

TH33005R2Y

Dilworth; Thunder Seeds, Inc.	204-750-2192			R	C

TORRO R2

Stonewall; Quarry Seed Ltd.	204-467-8877	S	F	R	

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Trade deals loom for dairy farmers

But compensation packages remain elusive

BY JENNIFER PAIGE
Co-operator staff | Brandon

International trade agreements continue to weigh on the minds of the province's dairy producers.

The Dairy Farmers of Manitoba held the first of its fall meetings on October 11 in Elkhorn, where conversations frequently turned to the looming Trans-Pacific Partnership (TPP) and Comprehensive Economic and Trade Agreement (CETA) with the European Union.

"There was nothing good in this TPP agreement from a dairy perspective," said David Wiens, chair of DFM.

The TPP sees 12 of the Pacific Rim countries, excluding China, come together to lower both non-tariff and tariff barriers to trade.

According to Wiens, revenue losses for the Canadian dairy sector caused by TPP for having the market displaced on an ongoing basis have been estimated at $250 million a year.

The finalized TPP agreement was signed in February 2016 and is currently awaiting ratification to enter into force.

See DAIRY on page 6 »

Farmers fail to rally to tax revolt talk

But some want to know why their property taxes have more than doubled in a year

Manitoba farmers are all worked up over massive farmland tax increases, but they're not ready to engage in a tax revolt just yet. PHOTO: GRACE GRATTON

BY ALLAN DAWSON
Co-operator staff

If farmland property taxes are too high, don't pay them.

That's what Dugald farmer Edgar Scheurer suggested while commenting on Facebook about *Manitoba Co-operator* stories on skyrocketing farmland taxes.

Is Scheurer, who faces a 95 per cent jump in his Rural Municipality of Springfield tax bill, seriously suggesting a tax revolt or being facetious? Although he likes the idea, which would get elected officials' attention and possibly lead to reforms, Scheurer said he hasn't been flooded with backing by other disgruntled farmers.

"It's sad how we just take it," he said Oct. 12 in an interview. "If this were happening in France you know what would be happening — farmers would be in the streets protesting."

Although Scheurer's taxes have almost doubled from 2015, some landowners have seen bigger increases. One is Harold Penner who owns land in the Municipality of Emerson-Franklin. Taxes on one of his quarter sections, farmed by his son, are up a whopping 111 per cent to $4,891.52 from $1,934.99.

"The enormous increase is indeed a huge burden to farmers, especially young farmers trying to get their feet on the ground managing a huge debt load," Penner wrote in an email last week. "It's also hard to understand that society demands that farmers bear such a high percentage of the burden of education in this province. Why is that? Is education not something that everyone should be paying for?"

Manitoba farmers have long complained the special education levy on farmland and production buildings puts too much tax burden on them. Although education tax is part of the

See TAX REVOLT on page 6 »

SEEDS OF SUCCESS: CANOLA CONSORTIUM SEES OPPORTUNITIES » PAGE 3

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SY Rowyn	NEW!	CPSR	✓✓✓✓✓	✓	✓✓✓✓	✓✓✓✓✓		✓✓✓✓
AAC Elie		CWRS	✓✓✓✓✓	✓	✓✓✓✓	✓✓✓✓✓		✓✓✓✓
AAC Redberry	NEW!	CWRS	✓✓✓✓	✓	✓✓✓✓	✓✓✓✓		✓✓✓✓
SY479VB	NEW!	CWRS	✓✓✓✓		✓✓✓✓✓	✓✓✓✓	✓	✓✓✓

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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 was 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 climatic 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 2017 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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FABABEANS

Comments:

Fababeans data from 2016.

2017 data was not approved for publication.

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

Traditionally tannin fababean with tan coloured seed coats and coloured flowers contain tannins and can't be fed directly to livestock.

Zero tannin fababeans have white seed coats and flowers and can be fed directly to livestock.

Variety Descriptions

Class/Variety	Yield % Check	Site Years Tested	Maturity* (days)	TKW (g)	2016 Yield: % Check Arborg
Colored Flower (Tannins)					
CDC Fatima	100	34	105	520	100
CDC SSNS-1	96	11	105	335	—
Florent	103	8	107	660	—
Taboar	96	13	107	480	—
Fabelle	107	1	105	533	107
CHECK CHARACTERISTICS					
CDC Fatima (tannin)	4032 lbs/ac	34 Site Years		**CDC Fatima (lb/ac)**	4779
				CV%	6
				LSD (%)	10
				Sign Diff	Yes
White Flower (Zero Tannin)					
CDC Snowdrop	96	10	104	335	81
Snowbird	100	13	104	495	100
Tabasco	99	8	106	530	—
CHECK CHARACTERISTICS					
Snowbird (zero tannin)	5246 lbs/ac	10 Site Years		**Snowbird (lb/ac)**	4033
				CV%	9
				LSD (%)	15
				Sign Diff	Yes
				Seeding Date	10-May
				Harvest Date	16-Sep

* Maturity ratings are based on days until swathing, but will vary depending on seeding date

FIELD BEANS — Manitoba Narrow Row Adaptation Trials

Comments:

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

More detailed measurements from the trials available to MPSG member in the December Special Edition of the Pulse Beat magazine.

Days to maturity is critical. Select a variety that will mature under normal growing conditions. Early fall frost severely affects yield and quality.

Variety Descriptions

Bean Class	Variety	Years Tested 2017	2016	2015	Yield % Check	Site Years Tested	Maturity1 (days) +/- Check
Small Seeded Types					**% Envoy**		**+/- Envoy**
Navy	AAC Shock	x			119	3	4
Navy	Bolt	x	x	x	105	7	4
Navy	DS105W0		x		98	2	7
Navy	Envoy	x	x	x	100	49	0
Navy	Fathom		x		114	2	6
Navy	Lightning		x	x	106	12	2
Navy	Nautica		x		118	2	9
Navy	OAC SPARK	x		x	112	10	-1
Navy	Portage	x	x	x	100	16	2
Navy	T9905	x	x		109	5	6
Navy	T9903		x		108	9	3
Black	CDC Jet	x	x	x	106	40	2
Black	CDC SuperJet	x	x	x	118	19	1
Black	CDC Blackstrap	x	x	x	124	16	1
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Navy	3458-7	x	x	x	107	13	-3
Navy	2918-25	x	x	x	125	14	-3
Large Seeded Types					**% CDC Pintium**		**+/- CDC Pintium**
Pinto	CDC Pintium	x	x	x	100	49	0
Pinto	CDC Marmot	x	x	x	110	19	0
Pinto	CDC WM-2	x	x	x	116	21	3
Pinto	Medicine Hat	x	x	x	112	13	3
Pinto	AC Island	x	x	x	118	10	2
Pinto	SV6139GR	x	x		140	5	1
Pinto	SV6533GR		x		159	2	0
Pinto	Windbreaker	x			128	8	3
Yellow	CDC Sol	x			96	5	4
Varieties that are registered in the US or being tested or proposed for registration in Canada							
FDJ	3620-3	x			106	3	5
Cran	7ab-3bola-3	x			84	3	4
Yellow	3850-1	x			98	3	1

CHECK CHARACTERISTICS	Bean Grouping	Check Varieties	Yield (lbs/ac)	Site Years	Days to Maturity
	Small seeded	Envoy	1980	49	101
	Large seeded	CDC Pintium	2125	49	97

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

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FIELD BEANS — Wide Row Trials

Comments:

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

More detailed measurements from the trials available to MPSG members in the December Special Edition of the Pulse Beat magazine.

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

Variety Descriptions

MARKET CLASS/Variety	Years tested 2017	2016	2015	Yield % Check	Site Years Tested	Maturity 1 (days) +/- Check
NAVY				**% of T9905**		**+/- T9905**
AAC Argosy	x			98	4	-1
Bolt	x		x	90	11	-2
Cargo			x	79	20	-3
DS105W0	x	x	x	101	9	2
Envoy	x	x	x	72	26	-4
Fathom		x	x	100	5	-1
Indi	x	x	x	99	18	-3
Lightning	x	x	x	90	26	-3
Nautica	x	x	x	91	10	0
OAC Spark			x	74	20	-7
Portage	x	x	x	90	26	-4
SV1893GH		x	x	93	9	0
T9903		x	x	93	22	-3
T9905	x	x	x	100	26	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
96-3156			x	74	3	-7
Alpena	x			84	4	-3
GNS 2884-4		x	x	85	5	4
NA196	x	x		94	6	-2
OB-1406-09			x	73	3	4
OB-4179-03			x	88	3	2
PINTO				**% of Windbreaker**		**+/- Windbreaker**
CDC WM-2	x	x	x	79	19	-4
Windbreaker	x	x	x	100	49	0
Monterrey	x	x	x	106	14	2
SV6139GR	x	x	x	103	19	-3
SV6533GR		x	x	95	7	-1
VIBRANT	x	x	x	103	10	-2

MARKET CLASS/Variety	Years tested 2017	2016	2015	Yield % Check	Site Years Tested	Maturity 1 (days) +/- Check
Varieties that are registered in the US or being tested or proposed for registration in Canada						
11278		x	x	104	6	-1
GNS 1259-60		x	x	67	6	-3
DCL-2016		x		98	3	1
El-Diablo	x	x	x	94	9	-1
Eldorado			x	102	3	5
GNS 1173-1		x	x	79	6	0
GNS 12-11		x		62	3	-8
GNS 12-441		x		80	6	1
GTS 907		x	x	100	15	0
PT234-2-4			x	78	3	-1
PT284-10	x			75	4	0
Radiant 12324	x	x		104	7	-2
Torreon		x	x	96	6	0
BLACK				**% of Eclipse**		**+/- Eclipse**
CDC Blackstrap	x	x	x	83	9	-5
CDC Jet	x	x	x	88	35	-2
CDC Superjet	x	x	x	86	23	-1
Eclipse	x	x	x	100	35	0
SV6894GB			x	92	7	2
Varieties that are registered in the US or being tested or proposed for registration in Canada						
13505	x			99	4	0
13489	x	x		108	6	1
GTS1103	x			97	8	2
H76BK6	x			92	4	1
PINK				**% of FLOYD**		**+/-FLOYD**
FLOYD	x	x		100	24	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
Rosetta	x	x		118	7	6
GNS 13-796		x	x	107	3	3
CRANBERRY				**% of Cran 09**		**+/- Cran 09**
Cran 09	x	x		100	57	0
Etna	x	x		98	49	2
Varieties that are registered in the US or being tested or proposed for registration in Canada						
CR312-8	x	x		105	4	2
CR318-6	x	x	x	113	8	4
Krimson	x	x	x	96	12	3
SV3709GC			x	116	4	1
GREAT NORTHERN				**% of Pink Panther**		**+/-Pink Panther**
Varieties that are registered in the US or being tested or proposed for registration in Canada						
Beryl R			x	110	29	0
Aries		x	x	139	8	1
Powderhorn	x			156	2	-1
LIGHT RED KIDNEY				**% of Pink Panther**		**+/-Pink Panther**
BIG RED	x	x	x	104	15	-1
Pink Panther	x	x	x	100	47	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
09357		x	x	100	9	-4
09363	x	x		101	4	-3
09378		x	x	95	9	-3
Clouseau		x	x	98	14	0
Small Red				**% of Windbreaker**		**+/-Windbreaker**
Varieties that are registered in the US or being tested or proposed for registration in Canada						
Viper			x	103	3	2
YELLOW				**% of Windbreaker**		**+/- Windbreaker**
CDC Sol	x	x	x	78	25	3

Check Varieties		First Year Tested	Yield lbs/ac	Site Years Tested	Maturity (days)
Cran 09	Cranberry	2000	1870	57	99
Eclipse	Black	2005	2497	35	100
T9905	Navy	2009	2406	26	104
FLOYD	Pink	2005	2463	24	93
Pink Panther	Light Red Kidney	2001	1970	47	100
Windbreaker	Pinto	2002	2687	49	97

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. Seed source is 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

Market Class	Variety	Maturity[1] Rating	Yield %Check	Site Years Tested	Cotyledon Colour	Seed Wt (TKW) Grams	Resistance Level: Ascochyta Blight	Resistance Level: Anthracnose Race 1	2017 Yield: % CDC Maxim Melita
Small green	CDC Asterix	Early	91	7	Yellow	26	G	F	92
	CDC Imvincible CL	Early	81	16	Yellow	35	G	G	93
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	5	Yellow	73	G	F	100
	CDC Impower CL	Medium	67	10	Yellow	74	G	P	76
French green	CDC Peridot CL	Early	78	11	Yellow	40	G	P	—
	CDC Marble	Early/Med	105	7	Yellow	32	F	G	103
	CDC QG-2	Early/Med	82	5	Yellow	33	F	G	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	—
Small red	CDC Dazil	Early/Med	97	8	Red	35	G	F	106
	CDC Imax CL	Medium	82	16	Red	50	G	G	87
	CDC Maxim CL	Early/Med	100	18	Red	40	G	G	100
	CDC Proclaim CL	Early/Med	98	2	Red	40	G	G	110
	CDC Redmoon	Early/Med	112	2	Red	41	G	G	111
	CDC Scarlet	Early/Med	104	7	Red	36	G	F	105
Medium Red	CDC Impulse CL	Earl/med	114	1	Red	44	G	G	114
	CDC KR2	Medium	100	1	Red	55	G	G	100
Large red	CDC-KR I	Medium	79	12	Red	56	G	G	—

CHECK CHARACTERISTICS				
CDC Maxim	3192 lbs/ac	18 site years	**CDC Maxim (lbs/ac)**	3453
			CV%	9
			LSD (%)	15
			Sign Diff	Yes
			Seeding Date	05-May
			Harvest Date	21-Aug

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

RANCONA® TRIO. THREE POWERFUL FUNGICIDES. ONE AMAZING SEED TREATMENT.

RANCONA® TRIO seed treatment for cereals takes disease protection and improved crop emergence to new levels. By combining three powerful fungicides that provide both contact and systemic activity, with the superior coverage and adhesion of RANCONA advanced flowable technology, you have a seed treatment that delivers more consistent protection under a wider range of conditions. Because when more seed treatment stays on the seed, you get more out of your seed treatment. To learn more, talk to your Arysta LifeScience representative or visit **ranconatrio.ca**.

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Rancona® Trio seed treatment

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.

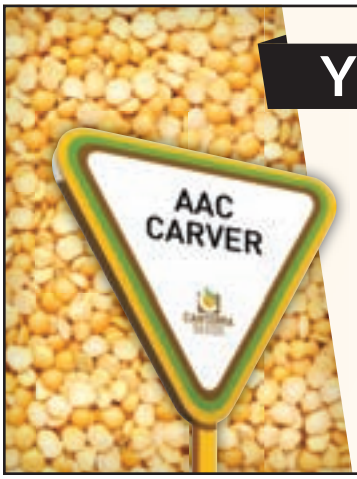
Variety Descriptions

						Resistance Level to:							
										Seed Coat			
Variety	Yield % Check	Site Years Tested	Relative Maturity	Relative Vine Length	Seed Size (TKW)	Lodging	Powdery Mildew	Mycos-phaerella blight	Fusarium[1] Wilt	Green[2]	Breakage	Dimpling[3]	Bleaching
Yellow													
AAC Ardill	100	16	M	M	240	G	VG	F	G	n/a	G	n/a	n/a
AAC Carver	110	10	M	L	240	G	VG	F	F	n/a	G	n/a	n/a
AAC Lacombe	104	14	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
AC Earlystar	100	6	E	M	210	G	VG	F	F	G	F	G	n/a
Agassiz	101	53	M	M	230	G	VG	F	F	G	G	F	n/a
CDC Amarillo	103	16	M	M	230	VG	VG	F	G	G	F	F	n/a
CDC Golden	93	58	M	M	230	G	VG	F	F	G	G	G	n/a
CDC Inca	107	14	M	L	230	G	VG	F	F	F	G	G	n/a
CDC Meadow	100	66	E	M	220	G	VG	F	F	G	G	G	n/a
CDC Saffron	101	30	M	M	250	G	VG	F	F	G	G	F	n/a
Cutlass	93	65	M	M	220	G	VG	F	F	G	F	F	n/a
Varieties supported for registration by the PRCPSC													
P0520-116	109	6	M	M	240	G	VG	F	F	n/a	n/a	n/a	n/a
Green													
AAC Radius	86	15	M	M	230	G	VG	F	G	n/a	VG	G	VG
AAC Royce	97	13	M	M	250	F	VG	F	F	n/a	G	n/a	G
CDC Greenwater	99	15	L	M	220	G	VG	F	G	n/a	VG	G	G
CDC Limerick	99	15	L	M	210	VG	VG	F	F	n/a	VG	G	G
CDC Patrick	93	51	M	M	190	G	VG	F	G	n/a	G	G	G
AAC Comfort	93	5	M	M	260	G	VG	F	F	n/a	n/a	n/a	G
CDC Striker	90	70	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	5	M	M	180	G	VG	F	n/a	n/a	n/a	n/a	n/a
LSD (.05)	6												
CHECK CHARACTERISTICS													
CDC Meadow	73 bu/ac		95 days	34 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

	2017 Yield % of CDC Meadow					
Variety	**Boissevain**	**Carberry**	**Melita**	**Hamiota**	**Roblin**	**Portage**
Yellow						
AAC Ardill	113	97	100	103	95	119
AAC Carver	135	117	118	99	120	130
AAC Lacombe	116	103	112	108	109	111
Agassiz	112	97	95	86	105	116
CDC Amarillo	111	115	108	93	112	111
CDC Golden	94	89	97	93	96	99
CDC Inca	114	110	114	94	104	113
CDC Meadow	100	100	100	100	100	100
CDC Saffron	105	97	100	98	101	108
Varieties supported for registration by the PRCPSC						
P0520-116	110	114	114	108	98	131
Green						
AAC Comfort	98	100	98	94	78	—
AAC Radius	96	89	91	88	92	—
AAC Royce	103	102	95	85	97	—
CDC Greenwater	105	100	101	94	101	—
CDC Limerick	103	102	100	101	107	—
CDC Patrick	98	101	97	87	90	—
CDC Striker	99	86	94	73	88	—
Maple						
AAC Liscard	91	94	94	99	99	—
CDC Meadow (bu/ac)	82	95	82	96	90	85
CV %	6	6	6	6	10	8
LSD (%)	11	10	10	9	16	14
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	05-May	13-May	05-May	09-May	11-May	27-May
Harvest Date	24-Aug	28-Aug	14-Aug	29-Aug	30-Aug	04-Sep



YELLOW PEAS

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- Earlier than AC™ Agassiz
- Very Good Lodging Resistance

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Jefferiesseeds.com

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Distributor Contacts for Listed Varieties in Seed Manitoba 2018

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 (WHITE)	
AAC Argosy	Various Bean Dealers
AAC Shock	Various Bean Dealers
Bolt	Hensall District Coop
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
Medicine Hat	CANTERRA SEEDS
Windbreaker	CANTERRA SEEDS
Monterrey	ADM- Seed West
SV6139GR	CANTERRA SEEDS
SV6533GR	CANTERRA SEEDS
VIBRANT	ADM- Seed West
PINK	
FLYOD	Various Bean Dealers
BLACK	
CDC Blackstrap	University of Saskatchewan
CDC Jet	Ben Martens Charlois & Seed
Eclipse	Scoular Company Canada Inc.
CDC SuperJet	Ben Martens Charlois & Seed
SV6894GB	Canterra Seeds
CRANBERRY	
Cran 09	Various Bean Dealers
Etna	Seminis Vegetable Seeds
LIGHT RED KIDNEY	
Pink Panther	Various Bean Dealers
BIG RED	Various Bean Dealers
YELLOW	
CDC Sol	Scoular Company Canada Inc.

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 Imvincible CL	Saskatchewan Pulse Growers
CDC Impulse CL	SeCan
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 QG-2	Saskatchewan Pulse Growers
CDC Red Rider	Saskatchewan Pulse Growers
CDC Redberry	Saskatchewan Pulse Growers
CDC Redbow	Saskatchewan Pulse Growers

LENTILS

CDC Redcoat	Saskatchewan Pulse Growers
CDC Richlea	Saskatchewan Pulse Growers
CDC Robin	Saskatchewan Pulse Growers
CDC Rosetown	Saskatchewan Pulse Growers
CDC Proclaim	SeedNet Inc.
CDC Redmoon	SeCan
CDC Rosie	Saskatchewan Pulse Growers
CDC Ruby	Saskatchewan Pulse Growers
CDC Scarlet	Saskatchewan Pulse Growers

FIELD PEAS

AAC Ardill	Wagon Wheel Seed Corp.
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
AC Earlystar	CANTERRA SEEDS
Agassiz	CANTERRA SEEDS
CDC Amarillo	Saskatchewan Pulse Growers
CDC Dakota	Saskatchewan Pulse Growers
CDC Golden	Saskatchewan Pulse Growers
CDC Greenwater	Saskatchewan Pulse Growers
CDC Horizon	Saskatchewan Pulse Growers
CDC Hornet	Saskatchewan Pulse Growers
CDC Inca	SeedNet Inc.
CDC Leroy	Saskatchewan Pulse Growers
CDC Limerick	Saskatchewan Pulse Growers
CDC Meadow	Saskatchewan Pulse Growers
CDC Mosaic	Saskatchewan Pulse Growers
CDC Mozart	Saskatchewan Pulse Growers
CDC Patrick	Saskatchewan Pulse Growers
CDC Prosper	Saskatchewan Pulse Growers
CDC Rocket	Saskatchewan Pulse Growers
CDC Saffron	Saskatchewan Pulse Growers
CDC Striker	Saskatchewan Pulse Growers
CDC Tucker	Saskatchewan Pulse Growers
COOPER	CANTERRA SEEDS
Cutlass	Saskatchewan Pulse Growers
Eclipse	FP Genetics
P0520-116	Saskatchewan Pulse Growers
Sorento	FP Genetics
Stella	Alliance Seed

DISTRIBUTOR	PHONE NUMBER
AAFC - Harrow	1-519-738-2251
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
Canseed (Canada) Ltd.	1-780-674-2595
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
Hyland Seeds - beans	1-204-745-7179
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.	1-403-952-0913
Seminis Vegetable Seeds	1-519-351-7640
Treasure Valley Seed Company	1-218-791-6159
Terramax Holding Corp.	1-306- 699-7368
University of Guelph	1-519-824-4120
Viterra	1-204-745-6711
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.

TABASCO

Warren; Riddell, Craig Thomas	204-227-5679	S	R	C

FIELD BEANS

AC OLE

Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658		R	

CDC BLACKSTRAP

Boissevain; Martens, Ben F. & John J. & Ryan	204-534-6952			C

CDC SUPERJET

Boissevain; Martens, Ben F. & John J. & Ryan	204-534-6952			C

OAC REDSTAR

Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658			C

WINDBREAKER

Altona; Wiebe, Henry D. & Lloyd	204-324-8036			C
Portage; Sissons, Donald Angus & Blye	204-857-7341			C
St Joseph; Agt Foods	204-737-2625			C
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658			C

FIELD PEAS

AAC CARVER

Altona; Wiebe, Henry D. & Lloyd	204-324-8036			C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S	R	
Glenboro; Jefferies, Ron	204-827-2102			C
Holland; Patenaude, Donald & Robert	204-526-2391			C
Lowe Farm; Sawatzky, Matt	204-746-2187			C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630		F	R

AAC CHROME

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S		

AAC LACOMBE

Elphinstone; Gerrard, Jody	204-759-2213			C
Foxwarren; Falloon, A. Scott	204-683-2347			C

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.

AGASSIZ

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622		R	
Glenboro; Jefferies, Ron	204-827-2102			C
Lowe Farm; Sawatzky, Matt	204-746-2187			C
Winkler; Ens, Abram E.& Chris & Friesen, Jake	204-325-4658			C

CDC AMARILLO

Brandon; Wheat City Seeds Ltd.	204-727-3337			C
Brandon; Whetter, Rodney & Darren	204-729-7059	S	R	C
Bruxelles; Devos, Daryl	204-526-2040			C
Decker; Murray, Donald H. & Ryan	204-764-2733			C
Elphinstone; Gerrard, Jody	204-759-2213			C
Foxwarren; Graham, George Arthur	204-683-2367		F	C
Holland; Zeghers, Shawn M.	204-526-2366			C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012			C
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813		F	C
Rivers; Redsper Ent. Ltd.	204-328-5346			C
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208		F	

CDC INCA

Brandon; Whetter, Rodney & Darren	204-729-7059	S		
Portage; Faurschou, David & Glenn D.	204-327-5725		R	

CDC JASPER

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

CDC MEADOW

Crystal City; Buchanan, Kenneth S.& Dean K.	204-873-2661			C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450			C
Holland; Kubinec, Anastasia	204-526-2776		R	
Holland; Patenaude, Donald & Robert	204-526-2391		R	
Miniota; Walker, Alan Glen	204-567-3647			C

CDC SPECTRUM

Crystal City; Buchanan, Kenneth S.& Dean K.	204-873-2661	S		
Foxwarren; Graham, George Arthur	204-683-2367		F	
Minto; Rourke, David	204-776-5557	S	F	
Reston; Greig, Fred L. & Fotheringham, Jack	204-877-3813		F	
Swan River; Alford, Wayne G.	204-734-2526		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 attributes information.

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 2017 Yield Tables

Yields derived over two or more growing seasons are the best indicator of variety performance. For new varieties, "2017 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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BUCKWHEAT

Comments:

Buckwheat testing by MCVET resumed in 2017.

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

Variety Descriptions

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

GRAIN CORN

Comments:

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

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

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

Yields are corrected to 15.5% moisture content.

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

				Morden			Carman			St. Pierre		
CHU[1]	Hybrid	Technology/ Genetic Traits[2]	Distributor	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)
2000	P7005AM	YGCB/HX1/LL/RR2	DuPont Pioneer	—	—	—	—	—	—	141	22.0	55.5
2050	P7202AM	YGCB/HX1/LL/RR2	DuPont Pioneer	126	23.4	52.2	155	21.9	55.0	165	23.0	53.9
2050	P7211HR	HX1/LL/RR2	DuPont Pioneer	104	21.0	53.8	—	—	—	143	20.5	53.6
2050	TH 7673 VT2P	VT2PRIB	Thunder Seed	148	25.7	55.2	154	22.0	56.0	164	23.5	55.0
2075	DKC23-17RIB	VT2P	Monsanto Canada	—	—	—	—	—	—	165	21.0	54.5
2100	E44H12R	GENVT2P	Elite Seeds	148	24.4	54.5	141	23.2	55.6	161	24.0	54.8
2100	NS 72-521	VT2PRIB	NorthStar Genetics	—	—	—	—	—	—	171	22.2	54.9
2100	TH 6875 VT2P	VT2PRIB	Thunder Seed	172	26.0	51.8	164	23.8	53.8	198	22.1	52.8
2100	TH 7574 VT2P	VT2PRIB	Thunder Seed	172	26.7	54.2	167	23.9	56.4	175	24.5	53.6
2125	PV 60075 RR	RR2	Crop Production Services	—	—	—	—	—	—	166	23.8	53.9
2125	P7227R	RR2	DuPont Pioneer	116	21.7	51.5	176	22.6	55.3	182	23.2	53.2
2150	PV 60075 RIB	VT Double Pro RIB	Crop Production Services	138	26.9	53.6	141	23.4	55.7	187	21.8	55.7
2150	DKC26-40RIB	VT2P	Monsanto Canada	—	—	—	—	—	—	186	22.8	54.5
2150	P7527AM	YGCB/HX1/LL/RR2	DuPont Pioneer	137	26.0	49.8	189	22.9	56.3	187	24.5	52.8
2150	LR 9473 RR	RR	Delmar Commodities	161	25.9	52.3	166	23.2	53.9	142	22.6	53.7
2150	MZ 1340DBR	GENVT2P	Maizex Seeds Inc.	166	25.6	52.2	188	24.1	53.9	200	22.1	55.1
2150	A4199G2 RIB	VT2PRIB	PRIDE Seeds	150	26.9	52.1	156	23.0	54.6	161	23.6	54.5
2150	NSTRExp31086	GTCBLLBL	Northstar Seed Ltd.	—	—	—	149	21.3	54.9	170	25.8	52.6
2175	PS 2210VT2P RIB	GENVT2P	DLF Pickseed Canada Inc.	181	27.8	52.5	172	22.4	54.5	194	22.0	53.3
2200	PS 2320RR	RR2	DLF Pickseed Canada Inc.	187	32.3	53.1	185	25.0	53.6	208	24.2	53.7
2200	HZ 1452	Agrisure 3120 EZ	Horizon Seeds Canada Inc.	143	25.9	54.6	138	21.7	57.4	168	22.1	55.6
2200	LR 9573 VT2PRIB	VT2PRIB	Delmar Commodities	169	29.7	53.2	169	22.7	55.0	178	23.1	55.5
2200	A4415G2 RIB	VT2PRIB	PRIDE Seeds	—	—	—	—	—	—	169	22.8	54.3
2200	TH 7677 VT2P	VT2PRIB	Thunder Seed	185	28.7	52.6	167	21.9	55.2	189	23.3	53.6
2200	TH 4578 RR	RR2	Thunder Seed	178	27.7	53.1	166	23.6	53.3	205	22.8	53.6
2200	NSTRExp47068	GTCBLLBL	Northstar Seed Ltd.	—	—	—	163	22.7	55.3	185	21.5	55.4
2225	P7632AM	YGCB/HX1/LL/RR2	DuPont Pioneer	171	26.5	51.1	185	23.7	53.3	185	22.7	53.0
2225	E47A12 R	GENVT2P	Elite Seeds	173	30.2	52.2	177	23.4	54.6	165	23.7	54.0
2225	LR 9474 VT2PRIB	VT2PRIB	Delmar Commodities	153	31.1	52.2	166	24.2	54.1	189	23.8	52.7
2225	LR 9874 VT2PRIB	VT2PRIB	Delmar Commodities	155	27.0	52.5	161	23.8	54.1	170	22.5	54.6
2225	TH 7578 VT2P	VT2PRIB	Thunder Seed	193	30.1	52.5	166	23.2	53.0	202	22.4	54.4
2250	PV 61079 RIB	VT Double Pro RIB	Crop Production Services	161	29.7	50.7	166	24.8	53.1	178	23.8	52.7
2250	39V05	RR2	DuPont Pioneer	148	24.1	52.8	176	21.8	55.4	181	22.0	54.9
2250	HZ 1885	Agrisure 3010	Horizon Seeds Canada Inc.	165	29.5	52.9	160	23.8	55.3	173	23.5	54.5
2250	HZ 1686	Agrisure GT	Horizon Seeds Canada Inc.	172	27.8	52.9	160	24.0	55.6	176	23.6	54.2
2250	MZ 1633DBR	GENVT2P	Maizex Seeds Inc.	187	27.4	51.9	167	22.9	54.1	200	22.3	53.4
2275	PS 2333RR	RR2	DLF Pickseed Canada Inc.	183	32.2	53.6	176	26.3	54.0	210	24.0	53.5
2275	P7958AM	YGCB/HX1/LL/RR2	DuPont Pioneer	173	28.3	51.5	196	24.7	53.9	184	24.1	52.4
2275	39V09AM	YGCB/HX1/LL/RR2	DuPont Pioneer	155	26.3	50.6	172	22.3	54.3	188	23.6	54.0
2275	LR 9676 VT2PRIB	VT2PRIB	Delmar Commodities	160	25.9	53.0	171	24.2	54.8	180	22.2	55.3
2300	PS 2420RR	RR2	DLF Pickseed Canada Inc.	207	31.6	53.2	184	24.8	54.4	207	23.7	54.1
2300	PS 2444VT2P RIB	GENVT2P	DLF Pickseed Canada Inc.	192	32.8	52.6	172	24.8	52.8	183	23.7	53.0
2300	MZ 1624DBR	GENVT2P	Maizex Seeds Inc.	194	28.1	53.2	185	23.8	54.4	206	22.6	55.7
2300	NSTRExp13110	GTCBLLBL	Northstar Seed Ltd.	—	—	—	164	24.2	53.7	182	22.5	53.2

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

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

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

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08/17-56764

INDUSTRIAL HEMP

Comments:

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

THC testing for some varieties is required.

As per the Industrial Hemp Regulations, industrial hemp varieties must be approved for commercial cultivation under licence for the current crop year. Please refer to Health Canada's "List of Approved Cultivars for the 2018 Growing Season" report prior to seeding.

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

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

Variety Descriptions

Variety	Yield % Check	Site Years Tested		2017 Yield % CRS-1 Carberry	2017 Yield % CRS-1 Melita
Alyssa	82	13		—	—
Anka	81	10		—	—
Canda	108	22		105	93
CanMa	88	3		—	—
CFX-1	94	22		125	97
CFX-2	95	21		146	93
CRS-1	100	25		100	100
Delores	97	21		—	—
Finola	60	16		—	—
Grandi	91	5		132	93
GranMa	78	1		—	—
Joey	112	17		135	80
Judy	72	3		97	66
Jutta	94	8		—	—
Katani	92	5		149	102
Picolo	83	5		113	81
Silesia	78	15		80	98
X59	102	16		131	116
Varieties that are being evaluated for approval					
Debbie	95	13		—	—
CHECK CHARACTERISTICS			**CRS-1 (lb/acre)**	850	1122
CRS-1	1328	25	CV%	13	12
	lb/acre	site years	LSD%	34	17
			Sign Diff	Yes	Yes
			Seeding Date	15-May	23-May
			Harvest Date	29-Aug	09-Sep

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Distributor Contacts for Listed Varieties in Seed Manitoba 2018

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

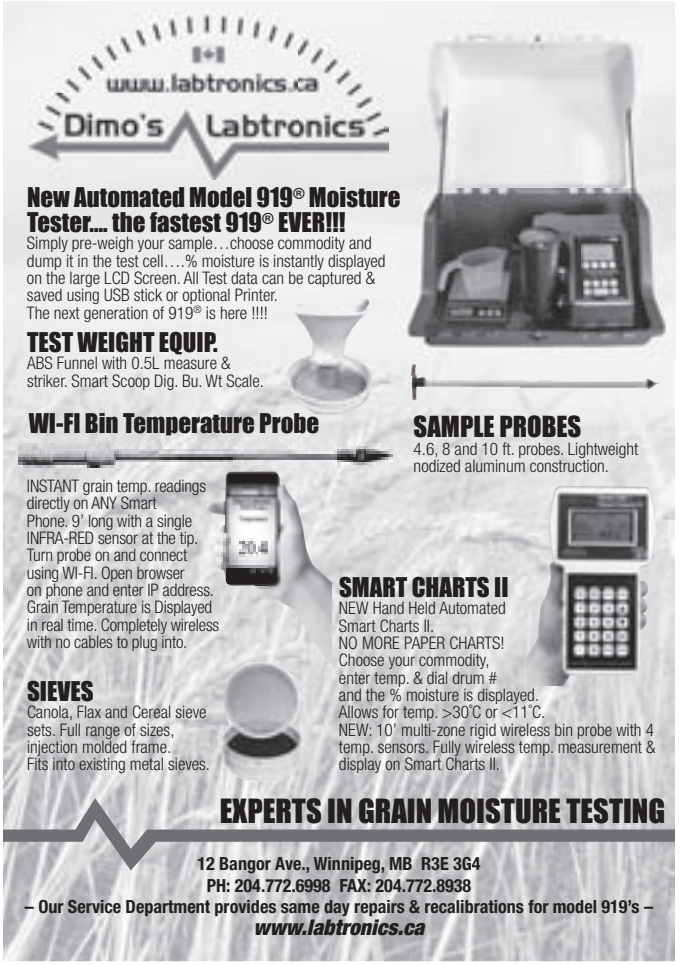
GRAIN CORN

- 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.
Jutta	Ontario Hemp Alliance
Katani	Hemp Genetics International Inc.
Picolo	Hemp Genetics International Inc.
Silesia	Alberta Innovates Technology Futures
X59	Terramax

DISTRIBUTOR	PHONE NUMBER
Alberta Innovates Technology Futures	1-780-632-8436
Crop Production Services (Proven Seed)	1-403-652-5820
Delmar Commodities (Legend Seeds)	1-888-974-7246
DLF Pickseed Canada Inc. (PICKSEED)	1-204-633-0088
Dow AgroSciences (Dow Seeds)	1-800-265-7403
DuPont Pioneer (Pioneer)	1-800-265-9435
Durand Seeds	1-204-248-2268
Elite Seeds (BrettYoung)	1-800-665-5015
Fisher Seeds Ltd.	1-204-622-8800
Hemp Genetics International Inc.	1-604-607-4953
Hemp Oil Canada Inc.	1-800-289-4367
Horizon Seeds Canada Inc. (Horizon Seeds)	1-855-983-7255
Maizex Seeds Inc.	1-877-682-1720
Mancan Genetics Ltd.	1-204-822-4396
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)	1-888-684-8633
Terramax	1-306-699-7368



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		R	

KENMAR

Morden; Mancan Genetics Ltd.	204-822-4396		R	

KOMA

Dauphin; Fisher, Roderick Allan & Douglas James	204-622-8800			C
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	S	F	C
Oak Bank; Kyle, Lorne C. & C. Angus	204-822-4396	S		

MANCAN

Notre Dame; Durand, Gabriel A. & Marc	204-248-2268			C

CANARYSEED

CDC CIBO

Dufrost; Catellier, Patrick Raymond	204-347-5503	S	F

INDUSTRIAL HEMP

CANDA

Dauphin; Parkland Industrial Hemp Growers	204-629-4367		R	C

CANMA

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

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.

CFX-2

Kenton; Stevenson, Richard D.O. & Douglas	204-838-2696			C
Saskatoon, SK; Hemp Genetics International	604-882-4936			C

CRS-1

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

FINOLA

Morden; Krueger, Kevin	204-822-4801			C
Ste. Agathe; Fresh Hemp Foods Ltd. (Fhf)	204-882-2480	F	R	C
Ste. Agathe; Fresh Hemp Foods Ltd. (Fhf)	204-882-2480	F	R	C
Wawanesa; Cory, Jeremy	204-574-6332			C

GRANDI

Dauphin; Fisher, Roderick Allan & Douglas James	204-622-8800			C
Saskatoon, SK; Hemp Genetics International	604-882-4936			C

GRANMA

Warren; Riddell, Craig Thomas	204-227-5679		F	

HEMPNUT

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

JOEY

Brandon; Peters, Edwin & Darren	204-534-7920			C
Dauphin; Parkland Industrial Hemp Growers	204-629-4367	F	R	C

KATANI

Russell; Kostuik, Jeff	204-821-0522		R	

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Forage Crops

Key to 2017 Yield or Quality Tables

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

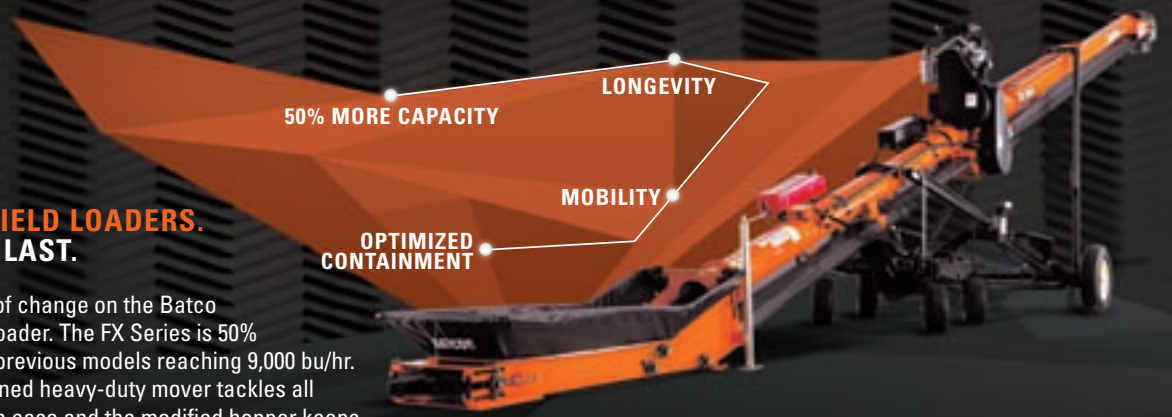
LSD = Least Significant Difference. Varieties must differ by the LSD to be considered significantly different from one another.

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.

BATCO FX SERIES



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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 & Pastre	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 Wheatrass	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 inhigh rainfall area.
Perenial 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

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.

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.

				St. Pierre						
CHU[1]	Hybrid	Technology/ Genetic Traits[2]	Distributor	65% Yield (Mt/ac)	Moisture[3] (%)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre[4] (lbs/ac)	Beef/Acre[5] (lbs/ac)
2100	E44H12 R	GENVT2P	Elite Seeds	14.2	65.4	65.5	31.0	53.3	12,243	1,190
2150	YUKON R	RR2	Elite Seeds	14.6	64.8	68.0	28.7	48.6	12,839	1,272
2150	NSTRExp31086	GTCBLLBL	Northstar Seed Ltd.	15.2	65.6	60.2	36.0	60.5	13,498	1,176
2150	PV 60075 RIB	VT2PRIB	Crop Production Services	15.7	62.3	58.5	37.6	63.7	18,321	1,175
2175	PS 2210VT2P RIB	GENVT2P	DLF Pickseed Canada Inc.	13.7	70.8	64.6	31.9	53.3	11,254	1,131
2200	PS 2320RR	RR2	DLF Pickseed Canada Inc.	13.7	68.5	64.6	31.9	55.2	11,117	1,133
2200	TH 4578 RR	RR2	Thunder Seed	14.2	67.4	64.3	32.2	55.1	13,453	1,172
2200	TH 7677 VT2P	VT2PRIB	Thunder Seed	14.6	66.2	63.1	33.3	57.7	12,763	1,181
2200	NSTRExp47068	GTCBLLBL	Northstar Seed Ltd.	15.0	62.2	61.5	34.8	59.3	13,421	1,183
2200	FUSION RR	RR2	Elite Seeds	13.9	66.7	66.1	30.5	52.9	11,384	1,179
2225	TH 7578 VT2P	VT2PRIB	Thunder Seed	15.1	66.3	66.9	29.7	52.8	12,780	1,294
2250	PV 61079 RIB	VT2PRIB	Crop Production Services	13.9	65.4	64.3	32.2	55.6	12,344	1,145
2250	TH 4126 RR	RR2	Thunder Seed	14.3	68.5	61.1	35.2	60.6	16,314	1,119
2275	PS 2333RR	RR2	DLF Pickseed Canada Inc.	14.9	66.7	62.2	34.1	58.4	17,034	1,186
2300	LF 730CBR	GENVT3P	Maizex Seeds Inc.	13.2	68.5	62.4	33.9	57.6	14,268	1,054
2300	PS 2420RR	RR2	DLF Pickseed Canada Inc.	13.9	66.3	62.1	34.3	57.1	11,610	1,108
2300	NSTRExp13110	GTCBLLBL	Northstar Seed Ltd.	15.8	68.9	64.8	31.7	54.7	13,311	1,313
2300	A4705HMRR	RR2	PRIDE Seeds	12.9	66.8	63.6	32.8	55.4	10,223	1,052
2300	MS 740R	RR2	Maizex Seeds Inc.	14.1	65.6	69.1	27.6	50.6	11,856	1,250
2300	PS 2444VT2P RIB	GENVT2P	DLF Pickseed Canada Inc.	13.7	71.3	62.1	34.2	58.0	13,406	1,090
2350	TH 7681 VT2P	VT2PRIB	Thunder Seed	14.5	67.7	65.2	31.3	53.7	11,733	1,212
2350	X14123VH	PowerCore	Dow AgroSciences	14.8	70.5	63.1	33.3	56.5	12,436	1,196
2350	HZ 675	Agrisure 3010	Horizon Seeds Canada Inc.	14.0	69.8	61.7	34.6	58.0	15,371	1,106
2350	LR 9579 RR	RR	Legend Seeds	12.8	70.4	60.4	35.8	61.0	13,421	991
2350	A4939G2 RIB	VT2P	PRIDE Seeds	13.8	67.3	67.1	29.5	51.1	12,408	1,186
2400	DS80A27	SSX	Dow AgroSciences	14.9	68.7	69.9	26.9	49.7	11,782	1,334
2400	CNX160036VX	PowerCore	Dow AgroSciences	15.9	63.0	58.6	37.5	61.6	18,453	1,194
2400	E55T32 R	VT2P	Elite Seeds	12.9	69.2	65.0	31.5	55.4	10,280	1,072
2450	E52V92 R	GENVT2P	Elite Seeds	13.1	69.5	68.0	28.7	51.6	9,422	1,145
2450	HZ 760GT	Agrisure GT	Horizon Seeds Canada Inc.	14.3	70.1	66.8	29.8	53.6	12,326	1,222
2450	X15014VX	PowerCore	Dow AgroSciences	12.7	69.9	65.3	31.2	54.7	11,174	1,060
2475	NSTRExp23220	GTCBLL	Northstar Seed Ltd.	15.1	70.0	66.7	29.9	51.1	11,743	1,294
2475	DKC32-12RIB	VT2P	Monsanto Canada	14.2	67.8	62.4	34.0	57.1	12,702	1,136
2475	AS1047RR EDF	RR2	PRIDE Seeds	13.6	72.5	67.3	29.3	51.5	10,010	1,174
2475	A5432G2 RIB	VT2P	PRIDE Seeds	14.9	68.8	62.7	33.6	56.8	13,084	1,203
2500	TMF8106RA	SSX	Dow AgroSciences	15.3	72.6	64.3	32.1	55.6	15,997	1,261
2500	VENZA R	RR2	Elite Seeds	13.7	75.2	63.6	32.8	56.6	13,250	1,120
2550	TMF86H77RA	SSX	Dow AgroSciences	14.3	74.7	69.4	27.4	47.1	10,242	1,276
2600	A5914G2 RIB	VT2P	PRIDE Seeds	12.8	75.1	67.3	29.3	52.4	9,633	1,102
2600	DKC35-88RIB	VT2P	Monsanto Canada	12.5	73.9	66.8	29.8	51.3	10,263	1,075
2600	BMR90B94	hxTRA	Dow AgroSciences	14.6	72.7	66.6	30.0	54.0	11,479	1,248
2750	TMF91Q25	SSX	Dow AgroSciences	14.6	71.0	66.8	29.8	53.1	10,654	1,253
2775	TMF94L37RA	SSX	Dow AgroSciences	14.4	70.6	67.5	29.1	49.9	10,353	1,246
			Site Average	14.2	68.7					
			CV	8.5	4.6					
			Sign Diff	Yes	Yes					
			LSD	2.0	5.2					
			Planting Date	May 12, 2017						
			Harvest Date	September 19, 2017						

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

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

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.

DISTRIBUTOR CONTACTS — Forage Seed

Blight Native Seeds	1-204-267-2686
BrettYoung	1-800-665-5015
Canterra Seeds	1-877-439-7333
Dyck Forages and Grasses Ltd.	1-888-204-1000
Federated Coops Ltd.	1-306-664-1700
Interlake Forage Seeds	1-800-990-1390
Northstar Seed Ltd.	1-800-430-5955
Oldenburg Inc.	1-204-348-2294
Pickseed Canada	1-800-263-7425
Pioneer Hi-Bred Ltd.	1-800-265-9435
Prairie Habitats	1-204-467-9371
Progressive Seeds Ltd.	1-403-782-6169
Public Variety	Contact Manitoba Agriculture
SeCan	1-800-665-7333
S.S. Johnson Seeds	1-800-363-9442
Vandaele Seeds Ltd.	1-204-665-2384
Crop Production Services Canada	1-800-661-3334

DISTRIBUTOR CONTACTS — Corn Silage

Crop Production Services ..... Proven Seed	1-403-652-5820
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135
Winnipeg; Pickseed Canada Inc. 204-633-0088 C

2010
St. Norbert; Brett-Young Seeds Limited 204-261-7932 F C

3010
St. Norbert; Brett-Young Seeds Limited 204-261-7932 C

4030
St. Norbert; Brett-Young Seeds Limited 204-261-7932 F C

5010
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 F C

54Q14
Fisher Branch; Gregory, Lee R. & Adam 204-372-6720 C

54Q25
Fisher Branch; Gregory, Lee R. & Adam 204-372-6720 C

55Q27
Fisher Branch; Gregory, Lee R. & Adam 204-372-6720 C

AAC MEADOWVIEW
Neepawa; Northstar Seed Ltd. 204-476-5241 F C

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

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

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

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

AC GRAZELAND BR
Winnipeg; Pickseed Canada Inc. 204-633-0088 C

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

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

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

ALGONQUIN
Hodgson; Shergold, Carla 204-372-6490 C

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

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

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

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

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

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

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

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

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

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

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

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

GEMSTONE
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

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

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

MAGNUM 7
St. Norbert; Brett-Young Seeds Limited 204-261-7932 C

MATRIX
Fisher Branch; Interlake Forage Seeds Ltd. 204-372-6920 C

MULTI5301
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MULTIPLIER 3
Neepawa; Northstar Seed Ltd. 204-476-5241 C

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

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

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

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

PICKSEED 2065MF
Winnipeg; Pickseed Canada Inc. 204-633-0088 C

PICKSEED 3006
Winnipeg; Pickseed Canada Inc. 204-633-0088 C

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

RESPONSE WT
Neepawa; Northstar Seed Ltd. 204-476-5241 F C

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

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

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

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

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

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

TH2
Neepawa; Northstar Seed Ltd. 204-476-5241 C

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

ALSIKE CLOVER

AURORA
St. Norbert; Brett-Young Seeds Limited 204-261-7932 C
Winnipeg; Pickseed Canada Inc. 204-633-0088 C

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

BIRDSFOOT TREFOIL

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BRUCE

Fisher Branch; Interlake Forage Seeds Ltd.	204-372-6920	C

BULL

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

LEO

Arborg; Gulay, Ivan Bruce	204-376-5547	C
Beausejour; Murash, Darrin	204-265-3303	C
Cartier; Qually, Brent	204-792-7274	C
Fisher Branch; Danelak, George & Harvey G.	204-372-6236	C
Fisher Branch; Gregory, Lee R. & Adam	204-372-6720	C
Fisher Branch; Plishka, William	204-372-6895	C
Fisher Branch; Podaima, Mel J.	204-396-7905	C
Fisher Branch; Podaima, Ryan	204-372-6885	C
Fisher Branch; Shepell, Christopher M.W.	204-372-6844	C
Middlebro; Ewacha, Alex	204-793-5273	C
Neepawa; Northstar Seed Ltd.	204-476-5241	C
St. Norbert; Brett-Young Seeds Limited	204-261-7932	C

WELLINGTON

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

BROMEGRASS

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AAC MAXIMUS

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

AAC ROYAL

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

AC KNOWLES

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

AC ROCKET ♻

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

AC SUCCESS

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

CARLTON

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

FLEET

Neepawa; Northstar Seed Ltd.	204-476-5241		C
St. Norbert; Brett-Young Seeds Limited	204-261-7932	F	C

MBA

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

CICER MILK VETCH

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AC OXLEY II

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

MEADOW FESCUE

PARDUS

Arborg; Foster, Kyle & Ken & Keith	204-364-2358		C
Arborg; Stoyanowski, Dean	204-376-5424		C

PRADEL

Neepawa; Northstar Seed Ltd.	204-476-5241	F	C
St. Norbert; Brett-Young Seeds Limited	204-261-7932		C

PREVAL

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

ORCHARDGRASS

EARLY ARCTIC

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

KILLARNEY

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

TUNDRA

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

RED CLOVER

ALTASWEDE

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

BELLE

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

JULIET

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

WILDCAT

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

REED CANARYGRASS

MARATHON

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

RIVAL

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

RYEGRASS

AUBADE

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

BIG BANG

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

ELUNARIA

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

LACTAL

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

POLIM

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

RACER 2

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

SAINFOIN

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AAC MOUNTAINVIEW

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

TALL FESCUE

BAROLEX

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

CARNIVAL

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

COURTENAY

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

KOKANEE

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

SAVORY

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

YUKON

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

TIMOTHY

AAC SOREL

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

AC ALLIANCE

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

AC ANTOINE

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

AC OPAL

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

ARLAKA

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

BARPENTA

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

BASHO

Fisher Branch; Bernier, Edward L.	204-372-6937		C

CLIMAX

Ashern; Graham, Lorne	204-768-3868		C
Broad Valley; Hnatiuk, Johnny David	204-372-6748		C
Cartier; Qually, Brent	204-792-7274		C
Fisher Branch; Cymbalisty, Donald John	204-372-6468		C
Fisher Branch; Interlake Forage Seeds Ltd.	204-372-6920		C
Fisher Branch; Plishka, William	204-372-6895		C
Fisher Branch; Shepell, Christopher M.W.	204-372-6844		C
Neepawa; Northstar Seed Ltd.	204-476-5241		C
St. Norbert; Brett-Young Seeds Limited	204-261-7932		C
Winnipeg; Pickseed Canada Inc.	204-633-0088	F	

COMER

Fisher Branch; Smith, Rick	204-372-6681		C
Winnipeg; Pickseed Canada Inc.	204-633-0088		C

COMTAL

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

DOLINA

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

EXPRESS

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

GLACIER

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

TIMOTHY

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GRINDSTAND

High River; Proven Seed/CPS	403-603-6011		C

HOKUO

Arborg; S.S. Johnson Seeds Limited	204-376-5228		C
East Selkirk; Craplewe, Dennis	204-482-7328		C
Fisher Branch; Bernier, Edward L	204-372-6937		C

ITASCA

Winnipeg; Pickseed Canada Inc	204-633-0088		C

KARA

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

OVATION

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

PROMESSE

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

RICHMOND

Winnipeg; Pickseed Canada Inc	204-633-0088		C

SUMMERGRAZE

St. Norbert; Brett-Young Seeds Limited	204-261-7932		C
Winnipeg; Pickseed Canada Inc	204-633-0088		C

TIFFANY

Arborg; S.S. Johnson Seeds Limited	204-376-5228		C

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TILLER

Winnipeg; Pickseed Canada Inc	204-633-0088		C

TITAN

Neepawa; Northstar Seed Ltd.	204-476-5241		C
St. Norbert; Brett-Young Seeds Limited	204-261-7932		C

TREASURE

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

WINNETOU

Winnipeg; Pickseed Canada Inc	204-633-0088		C

WHEATGRASS

AC GOLIATH

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

CHIEF

Winnipeg; Pickseed Canada Inc	204-633-0088		C

FAIRWAY

Winnipeg; Pickseed Canada Inc	204-633-0088		C

KIRK

St. Norbert; Brett-Young Seeds Limited	204-261-7932		C
Winnipeg; Pickseed Canada Inc	204-633-0088		C

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Hamiota; Crop Production Services Inc.; Box 460; R0M 0T0 204-764-2111
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Hamiota; Chappell Ag Ventures Inc.; Box 580; R0M 0T0.....204-764-2844
Hazelridge; Robert and Andrew Saramaga; Box 100; R0E 0Y0.....204-755-2817

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Holland; Marginets Farm; Box 45; R0G 0X0 204-526-2544
Holland; Crop Production Services Inc.; Box 9; R0G 0X0....204-723-2423
Holland; Zeghers Seed Inc.; Box 426; R0G 0X0....204-526-2145
Homewood; Agassiz Seed Farm Ltd.; Box 54; R0G 0Y0....204-745-6655
Homewood; Pembina Consumers Coop Ltd; Box 26; R0G 0Y0 204-745-6421
Ile Des Chenes East; Willow Ridge Seed Farm; 42096 MUN 24E; R0A 0T3
....204-388-4877
Inglis; Beischer Family Seeds; Box 200; R0J 0X0....204-564-2676
Kenton; Robert & Sidney Stevenson; Box 206; R0M 0Z0 204-838-2012
Kenville; Carmichael Seed Farm; Box 68; R0L 0Z0 204-734-8683
Killarney; Chatham Seeds Ltd.; Box 1436; R0K 1G0....204-523-8112
Killarney; Paterson Grain; Box 1230; R0K 1G0....204-523-8936
Killarney; Richardson Pioneer; Box 400; R0K 1G0 204-523-7035
Killarney; Shur-Gro Farm Services Ltd.; Box 1139; R0K 1G0....204-523-5400
Landmark; Richardson Pioneer; Box 70; R0A 0X0 204-355-4061
Laurier; LaurEx Seeds Ltd.; Box 55; R0J 1A0....204-447-2622
Letellier; BBF Enterprises Ltd.; Box 327; R0F 1C0....204-737-2605
Letellier; Richardson Pioneer; Box 270; R0G 1C0 204-737-2096
Letellier; Seed-Ex Inc.; Box 238; R0G 1C0 204-737-2000
Lowe Farm; Crop Production Services Inc.; Box 10 RR 1; R0G 1E0..204-343-2136
Lowe Farm; MB Seeds Ltd.; Box 217; R0G 1E0 204-746-2187
Lowe Farm; Lowe Farm Co-op Services Ltd.; Box 220; R0G 1E0....204-746-2234
MacGregor; Hulme Agra Products Inc.; Box 68; R0H 0R0 204-685-2627
Manitou; Keen Seeds Ltd.; RR 2 Box 136; R0B 1G0....204-242-4074
Manitou; Sanders Seed Farm; Box 700; R0G 1G0 204-242-4200
Marquette; Marquette Consumers Co-op Ltd.; Box 211; R0H 0V0...204-375-6570
Marquette; Ag Advantage Ltd.; Box 5 Grp 40; R0H 0V0....204-322-5351
Mather; McLennan Farms Ltd.; Box 67; R0K 1L0 204-529-2372
Mather; Harms Seeds Ltd.; Box 38; R0K 1L0 204-529-2213
McCreary; Musgrave Enterprises Ltd.; Box 369; R0J 1B0....204-835-2527
Melita; Paterson Grain; Box 698; R0M 1L0 204-522-3472
Melita; Cargill Ltd.; Box 148; R0M 1L0 204-522-3221
Miami; Ilta Grain Inc.; Box 8; R0G 1H0 204-435-2227
Miami; SJ Agronomy Services Inc.; Box 332; R0G 1H0 204-435-2722
Miniota; Twin Valley Co-op; Box 10; R0M 1M0 204-567-3766
Miniota; Walker's Seed Service; Box 189; R0M 1M0 204-567-3647
Minnedosa; Heritage Co-op Ltd.; Box 1050; R0J 1E0 204-867-2295
Minto; CanaMaize Seed Inc.; Box 144; R0K 1M0 1-877-262-4046
Minto; Fraser Seeds Ltd.; Box 85; R0K 1M0 204-776-2047
Minto; Pembina Consumers Coop Ltd.; Box 143; R0K 1M0 204-776-2353
Minto; Southern Seed; Box 203; R0K 1M0....204-776-2333
Morden; Scoular Canada, Ltd.; 301 South Railway; R6M 1G7 204-822-6629
Morden; Winkler Co-op, Morden Agro; 205 Willcocks Road; R6M 1Y4
....204-325-1658
Morden; Philip and Norman Hildebrand; Box 276, RR 2; R6M 2A1..204-822-3853
Morris; Red River Seeds Ltd.; River Lot 346; R0G 1K0....204-746-3059
Morris; Horizon Agro; Box 59 RR 1; R0G 1K0 204-746-2026
Morris; Cargill Ltd.; Box 460; R0G 1K0 204-746-6771
Morris; Tri-M Commodities Inc.; Box 615; R0G 1K0....204-746-5316
Neepawa; Chris Kulbacki; Box 1986; R0J 1H0 204-476-6449
Neepawa; Northstar Seed Ltd.; Box 2220; R0J 1H0....204-476-5241
Nesbitt; Cargill Ltd.; Box 38; R0K 1P0....204-824-4484
Newdale; Warehamdale Seeds Ltd.; Box 56; R0J 1J0....204-849-2029
Niverville; Prairie Sky Crop Solutions; Box 309; R0A 1E0 204-388-4303
Niverville; South East Seeds Inc.; Box 642; R0A 1E0....204-371-2898
Niverville; Paterson Grain; Box 356; R0A 1E0 204-388-6565
Notre Dame De Lourde; Durand Seeds Inc.; Box 60; R0G 1M0....204-248-2268
Oak Bluff; Terraco; Box 171; R0G 1N0....204-261-0731
Oak Bluff; Anseeuw Farms Inc.; 53092 Road 7E; R4G 0B6....204-981-6711
Oak Bluff; Derek Erb Seeds Inc.; Box 272; R0G 1N0 204-792-6744
Oak Lake; Gerlyn Acres Ltd.; Box 329; R0M 1P0 204-855-3128
Oak River; Henry, J.S. & Son Ltd.; Box 67; R0K 1T0....204-566-2422
Oakbank; Ag Advantage; 26150 Cedar Lake Road; R0E 1J0 204-444-5052
Oakville; Miller Agritec Inc.; Box 83; R0H 0Y0 204-267-2283
Oakville; Intel Seed Ltd.; Box 218; R0H 0Y0....204-267-7389
Petersfield; Crop Production Services Inc.; Box 340; R0C 2L0....204-738-2455
Pilot Mound; Double Diamond Farm Supply; Box 6; R0G 1P0 204-825-2429
Pilot Mound; Smith Family Seeds Ltd.; Box 132; R0G 1P0....204-825-7810
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Pilot Mound; Wallace Seeds; RR 3; R0G 1P0....204-825-4543
Plum Coulee; Giesbrecht Seed Farms Ltd.; Box 60; R0G 1R0....204-829-3365
Plum Coulee; Janzen Seeds Ltd.; Box 43; R0G 1R0 204-829-7749
Plumas; Court Seeds Ltd.; Box 280; R0J 1P0 204-386-2354
Plumas; Tonn Seeds; Box 5; R0J 1P0....204-386-2206
Plumas; Nu Era Seeds Ltd.; Box 127; R0J 1P0 204-476-0631
Portage; New Gen Seed Service Ltd.; RR 4, Box 9; R1N 3A4 204-274-2417
Portage; JL Agronomics; 3 Garrioch Park Drive; R1N 3R9....204-871-0767
Portage; Sissons Farms Ltd.; Box 822; R1N 3C3 204-857-7341
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Portage; Sanderson, Garry; RR 1 Box 61; R1N 3A1 204-857-8406
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Portage; Portage Co-op; Box 70; R1N 3B3....204-637-3030

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Reston; Crop Production Services Inc.; Box 416; R0M 1X0 204-877-3128
Reston; Avondale Seed Farm Ltd.; Box 190; R0M 1X0 204-877-3813
Rivers; Redsper Enterprises Ltd.; Box 579; R0K 1X0....204-328-5346
Rivers; Providence Farms; Box 424; R0K 1X0....204-328-7189
Roblin; Parkway Consumers Co-op Ltd.; Box 729; R0L 1P0 204-937-6402
Roblin; G M Seed Cleaning; RR 1; R0L 1P0....204-937-2739
Roblin; Crop Builders Ltd.; Box 420; R0L 1P0 204-937-2211
Roland; Delmar Commodities Ltd.; Box 295; R0G 1T0....204-343-2323
Roland; Roland Air Spray Ltd.; Box 149; R0G 1T0 204-745-6111
Rosenort; Friesen Seeds Ltd.; Box 308; R0G 1W0....204-746-8325
Rosser; Krym Farms Ltd.; Box 56; R0H 1E0....204-467-9081
Rosser; Mei-West Enterprises Inc.; Box 87; R0H 1E0 204-467-5922
Russell; Woroneski's Seed Plant; Box 1328; R0J 1W0 204-773-3262
Russell; Keating Seed Farms Inc.; Box 820; R0J 1W0 204-773-3854
Sanford; Bergen Seed Farm; Box 205; R0G 2J0 204-736-2278
Shoal Lake; Shur-Gro Farm Services Ltd.; Box 128; R0J 1Z0....204-759-4240
Shoal Lake; Richardson Pioneer; Box 446; R0J 1Z0 204-759-2917
Snowflake; Double Diamond Farm Supply; Box 74; R0G 2K0....204-876-4557
Solsgirth; Nickel Bros.; Box 52; R0J 2B0 204-842-3834
Somerset; Ronceray Seeds; Box 69; R0G 2L0 204-744-2558
Somerset; Sierens Seed Service; Box 35; R0G 2L0....204-744-2883
Souris; Crop Production Services Inc.; Box 489; R0K 2C0....204-483-3860
Souris; Kohut Seed Farms Ltd.; Box 98; R0K 2C0....204-483-3063
St. Claude; R-Way Ag Ltd.; Box 388; R0G 1Z0....204-379-2582
St. Jean Baptiste; Crop Production Services Inc.; Box 369; R0G 2B0
....204-758-3125
St. Joseph; AGT Foods Canada; Box 36; R0G 2C0....204-737-2625
St. Joseph; Remillard Seed Farm; Box 45; R0G 2C0....204-737-2376
St. Leon; Labossiere, Luc N.; CP 5106; R0G 2E0 204-744-2208
St. Léon; Pembina Co-op; Box 5007; R0G 2E0....204-744-2850
Starbuck; Bestland Air; Box 179; R0G 2P0 204-735-2258
Ste Rose du Lac; S & L Luke Farms Ltd.; Box 426; R0L 1S0 204-447-2547
Ste. Anne; Seine River Seed Farm; Box 6-A RR 1; R5H 1R1....204-355-4495
Ste. Rose Du Lac; Gagnon Seed Service Ltd.; RR 2; R0L 1S0....204-447-2118
Ste-Agathe; Crop Production Services Inc.; Box 68; R0G 1Y0....204-882-2567
Steinbach; Marc Hutlet Seeds Ltd.; Box 3023; R5G 1P4....204-422-5805
Stonewall; Quarry Seed Ltd.; Box 1840; R0C 2Z0....204-467-8877
Stonewall; Unger Seed Farm Ltd.; Box 471; R0C 2Z0....204-467-8630
Stonewall; Richardson Pioneer; Hwy 7; R0C 2Z0....204-694-0825
Strathclair; Parrish & Heimbecker Ltd.; Box 426; R0J 2C0 204-365-5282
Swan River; New Era Ag Technologies; 507 - 3rd AV S; R0L 1Z0....204-734-6222
Swan River; Richardson Pioneer; Box 1990; R0L 1Z0 204-238-4237
Swan River; Cargill Ltd.; Box 760; R0L 1Z0....204-734-5747
Swan River; Swan Valley Co-op Agro; Box 1420; R0L 1Z0 204-734-4208
Swan River; Oberlin Farms & Seed Service Ltd.; Box 1797; R0L 1Z0
....204-734-2292
Swan River; Swan Valley Seeds; Box 2256; R0L 1Z0....204-734-2526
Teulon; Kaljent Ag Services; Box 854; R0C 3B0....204-886-2180
Teulon; Kletke Seed Farm Ltd.; Box 23; R0C 3B0 204-886-2822
Teulon; Willis Agro Ltd.; Box 1015; R0C 3B0 204-461-0386
Teulon; Paterson Grain; Box 865; R0C 1H0 204-886-3401
Treherne; HB Agriseed Ltd.; Box 154; R0G 2V0 204-523-7464
Treherne; Stinson Seeds; Box 1; R0G 2V0 204-526-5351
Virden; Clearview Acres Ltd.; Box 1060; R0M 2C0....204-748-2666
Virden; Hutch Ag; Box 1918; R0M 2C0 204-851-6157
Virden; Nielsen Seeds Ltd.; Box 2050; R0M 2C0....204-851-0225
Warren; Jones Farm Seeds; Box 37; R0C 3E0 204-322-5604
Warren; Riddell Seed Co.; Box 10; R0C 3E0 204-227-5679
Waskada; Shur-Gro Farm Services Ltd.; Box 159; R0M 2E0 204-673-2445
Wawanesa; Ellis Farm Supplies Ltd.; Box 208; R0K 2G0 204-824-2290
Westbourne; Richardson Pioneer; Box 114; R0H 1P0....204-274-2301
Westbourne; Munro Farm Supplies Ltd.; Box 92; R0H 1P0 204-274-3050
Winkler; Ens Farms Ltd.; Box 218 RR 1 Group 16; R6W 4A1 204-325-4658
Winkler; Winkler Co-op; Box 1120; R6W 4B2 204-327-6424
Winkler; Crop Production Services Inc.; RR 1 Box 72; R6W 4A1....204-325-6498
Winnipeg; SGS Canada Inc.; 167 Lombard Ave, Unit 930; R3B 0V3 .204-942-8557
Winnipeg; Imperial Seed (1979) Ltd.; 1038 Arlington Street; R3E 2G1
....204-786-8457
Winnipeg; Monsanto Canada Inc.; 900-One Research Road; R3T 6E3
....204-985-1021
Winnipeg; C.M. Agra Ltd.; Box 35 RR 2; R3C 2E6....204-633-6010
Winnipeg; Pickseed Canada Inc.; Box 4 Grp 200 RR 1; R3C 2E6 ...204-633-0088
Winnipeg; James Farms Ltd.; Box 16 Grp 620 SS 6; R2C 2Z3....204-222-8785
Winnipeg; Parrish & Heimbecker Ltd.; Box 199B RR 5, 70 Roderick St.; R2C 2Z2
....204-222-7171
Winnipeg; DL Seeds Inc.; Box 98 St. Norbert Postal Station; R3V 1L5
....204-781-8273
Winnipeg; Paterson Grain; Box 24 Grp 210 RR2; R3C 2E6 204-694-4445
Winnipeg; BrettYoung Seeds; PO Box 99 St. Norbert Postal Stn.; R3V 1L5
....204-478-2212

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** Tel: 1-877-721-2365	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	None	Grain analysis, Vomitoxin, Falling Number Herbicide tolerance testing in Canola (RR, LL, CL) and Soybean (RR, Dicamba) Vigour, Seed Size, Moisture, APHIS
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, Saskatchewa 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 280Portage Close, Unit 310, Sherwood Park, Alberta T8H 2R6	**Terry McIntee** Tel: 1-800-952-5407 terry.mcintee@biovision.ca	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 Vigour, Seed Size, Moisture, APHIS
SGS BioVision (Grande Prairie) Suite C, 12803 - 100 St. Grande Praire, Alberta T8V 4H3	**Michele Kulba** Tel: 1-877-532-8889 michele.kulba@biovision.ca	Purity and germination of all crop kinds in Grade Tables I to XX	None	Vigour, Seed Size, Moisture, APHIS AOSA testing, TZ
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, October 26, 2017

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