



## 2024 Variety Selection & Growers Source Guide

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# SEED MANITOBA

2024 EDITION

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**Manitoba Co-OPERATOR**

Supplement to the Manitoba Co-operator  
December 7, 2023

Welcome to Seed Manitoba 2024	6	<b>PULSE CROPS</b> .....	81
Falling number tells much about wheat quality .....	8	Fababeans .....	82
From Missouri to Manitoba — waterhemp is here to stay .....	10	Field Beans .....	83
Western disease ratings planned for eastern barley varieties .....	14	Field Peas .....	86
2023 Trial Locations Map .....	16	<b>Distributor Contacts</b> .....	88
<b>CEREAL CROPS</b> .....	19	<b>Growers List – Fababeans</b> .....	89
Barley .....	21	Field Beans .....	89
Malting Barley .....	26	Field Peas .....	89
Oats .....	28	<b>SPECIAL CROPS</b> .....	91
Spring Wheat .....	30	Grain Corn .....	93
Winter Wheat .....	36	Industrial Hemp .....	100
Fall Rye .....	38	<b>Distributor Contacts</b> .....	102
<b>Growers List – Barley</b> .....	41	<b>Growers List – Buckwheat</b> .....	103
Oats .....	42	Canary Seed .....	103
Fall Rye .....	43	Industrial Hemp .....	103
Spelt .....	43	<b>FORAGE CROPS</b> .....	105
Spring Triticale .....	44	Forage Adaptation Comparison Guide .....	106
Winter Triticale .....	44	Silage Corn .....	108
Spring Wheat .....	44	Annual Forages .....	112
Winter Wheat .....	47	<b>Forage/Corn Seed Contacts</b> ...	114
<b>OILSEED CROPS</b> .....	49	<b>Growers List – Alfalfa</b> .....	115
Canola .....	50	Birdsfoot Trefoil .....	115
Flax .....	60	Timothy .....	115
Soybeans .....	62	<b>ADDITIONAL RESOURCES</b> .....	117
Sunflowers .....	73	<b>ADVERTISER INDEX</b> .....	129
<b>Distributor Contacts</b> .....	76		
<b>Growers List – Flax</b> .....	79		
Soybean .....	79		



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## Minister's Message



**M**anitoba Agriculture is pleased to continue our partnership with the Manitoba Seed Growers' Association and the *Manitoba Cooperator* to produce *Seed Manitoba* 2024. The collective efforts of crop research contractors, producers, the seed industry, commodity associations, the Manitoba Crop Variety Evaluation Team (MCVET), Agriculture and Agri-Food Canada, and our department staff

make this guide possible.

Crop varieties (cereal, oilseed, pulse, and forage crops) are grown at more than 20 locations across Manitoba to provide producers with timely, unbiased information on the agronomic performance of new and existing varieties under different agro-climatic conditions. The comparisons of variety performance across regions make *Seed Manitoba* a valuable resource for producers.

Agriculture is one of Manitoba's leading industries and it is a key contributor to our economy. Crop producers have a critical role in making agricultural products one of the province's largest exports. Beyond export, crop production contributes additional value and jobs through our province's \$4 billion food processing industry and \$1 billion agri-products industry.

As you prepare for the 2024 growing season, I wish you a successful crop production year ahead.

**Honourable Ron Kostyshyn**  
Minister of Agriculture

## President's Message



**S**eed Manitoba has been a valuable tool for Manitoba farmers for over three decades. The Manitoba Crop Variety Evaluation Team (MCVET) continues to offer variability on site locations, site years and entries that all provides valuable, localized variety performance results across the province.

The Manitoba Seed Growers' Association (MSG) is proud to be a part of the MCVET team and wishes to thank the extensive network that comes together to make this publication happen. The support from the Manitoba Department of Agriculture, provincial grower associations and provincial commissions, Agriculture and Agri Food Canada (AAFC), University of Manitoba, site contractors, Canadian Seed Growers' Association (CSGA), Seeds Canada, Canadian Food Inspection Agency (CFIA), industry, and our partnership with the *Manitoba Cooperator* continues to allow this publication to not only be a valuable tool for Manitoba's farmers, it also highlights what is possible when many work together for a common goal.

The 2023 crop season has resulted in excellent seed supplies and quality going into the 2024 spring planting season. Talk to your local Seed Grower and/or Retailer as they can be a wealth of knowledge with firsthand experience when it comes to early generation variety growing experiences and how they might perform on your farm.

On behalf of the Board and members of the Manitoba Seed Growers' Association I want to wish all Manitoba's farmers a successful 2024 growing season.

**Tom Greaves**  
President,  
Manitoba Seed Growers' Association

## Thank you to MCVET Sponsors and Supporters in 2023

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

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Alliance Seed	Nutrien Ag Solutions
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FP Genetics	Richardson International – Kelburn Farm
Manitoba Agriculture	SeCan
Manitoba Beef Producers	Seed Depot
Manitoba Co-operator	SeedNet
Manitoba Crop Alliance	University of Manitoba
Manitoba Pulse & Soybean Growers	Westman Agricultural Diversification Organization
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**MCVET would also like to express its gratitude to:**

South Interlake Crop Testing Committee (SICTC) and Crop Research Organization Portage (CROP) for locally organized variety trials.
University of Saskatchewan for seed preparation and randomization of flax trials.

# WELCOME TO SEED MANITOBA 2024

By Anne Kirk

Seed Manitoba editor, Manitoba Agriculture

Welcome to *Seed Manitoba* 2024, the variety selection and growers guide for Manitoba producers, 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 unbiased, local variety information from sites across Manitoba.

The 2023 growing season was warm and dry throughout much of Manitoba. The weather data in the site location table on page 16 shows less than normal precipitation and higher than normal temperatures at all sites. While most sites performed well despite the dry conditions, yields are lower than average at some sites due to weather conditions. This is reflective of producers' experience as well.

Our site contractors worked hard to have sites harvested in time for the data to be approved and published in *Seed Manitoba*. Some yield and quality data did not meet our deadlines and will be available in the web exclusive section of our website: [www.seedmb.ca](http://www.seedmb.ca).

## WHERE DOES THE DATA COME FROM?

Data is from replicated small plot trials in many locations throughout Manitoba and compiled over years. The main data collected is yield and protein. Other agronomic information in the "Variety Description" tables is compiled from data submitted at the time the variety was registered. Some ratings in the table, such as disease resistance, can change as pathogens change and reaction to disease races are better understood.

## TESTING LOCATIONS AND SITE YEARS

Testing locations are chosen by the Manitoba Crop Variety Evaluation Team to represent the production area of each crop type. Crops with wide adaptation, such as barley, fall rye, oat, spring and winter wheat, are planted at all sites. Flax, field peas and lentils are only planted at

locations where they are typically grown. Corn, dry beans, soybeans, faba beans and sunflowers are coordinated through their crop commodity associations and planted where they deem appropriate.

## HOW CAN SEED MANITOBA HELP WITH VARIETY SELECTION?

*Seed Manitoba* provides unbiased replicated data, giving producers, seed growers and seed retailers more insight into variety performance throughout the province. Yield data is displayed by location to show local performance as well as summarized across locations and years. The on-line variety selection tool at [www.seedmb.ca](http://www.seedmb.ca) allows comparisons over multiple years and locations, helping to compare a new variety to your tried and true variety.

## CHANGES TO NOTE

There are a few changes in *Seed Manitoba* 2024. The most notable is lack of 2023 canola data from trials conducted in Manitoba. The Western Canada canola performance trial program ended after the 2022 growing season, and provincial trials were not conducted in 2023. Manitoba Canola Growers Association is working on conducting regional trials in the 2024 growing season. Durum wheat tables have been removed from *Seed Manitoba* since durum wheat was last tested in 2018. Hemp was not tested in 2023, but hemp trials are expected to return in 2024.

Thank you to all contributors to *Seed Manitoba*. This publication would not be possible without the sponsors, supporters, site contractors, the Manitoba Crop Variety Evaluation Team and the commodity groups that donate data. The team behind *Seed Manitoba* hopes you find the information in *Seed Manitoba* 2024 beneficial as you make variety decisions in the coming months.

Any questions or concerns regarding *Seed Manitoba* can be directed to anne.kirk@gov.mb.ca. ■



PHOTO: ANNE KIRK, MANITOBA AGRICULTURE

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# FALLING NUMBER TELLS MUCH ABOUT WHEAT QUALITY

Test helps ensure Canadian reputation for wheat quality is maintained

By Elaine Sopiwny

Cereals Canada

**A**sessment of falling number is a critical test to assess wheat quality and the effects of sprout damage that can occur in wet conditions during harvest. Such tests ensure the quality and reputation of Canadian wheat is maintained.

Falling number is not a grading specification in Canada but there is strict tolerance for sprouted kernels. Milling companies that buy Canadian wheat, and their customers (end-product processors), may request a specific falling number value as part of their contract.

Sprouted kernels contain high levels of an enzyme that negatively affects wheat and flour/semolina quality, resulting in products that customers don't like. An example is pan bread with a darker colour, smaller size, and large or uneven holes in the bread slice.

Cereals Canada does extensive testing to determine the effect of falling number on end-products like bread and noodles. This is part of the New Crop Harvest Assessment, and all results are presented to customers and buyers of Canadian wheat during new wheat crop presentations.

The falling number provides an estimate of the amount of sprout damage. Values around 350 seconds provide millers and customers with the assurance that the wheat is sound. Wheat that has lower falling number values due to sprouted kernels can be a challenge for exporters and millers to manage because it cannot be easily blended with unsprouted wheat to improve overall quality.

If the wheat that is ground has sprouted kernels, high enzyme activity breaks down the starch so the mixture will not thicken well. This causes the plunger used in the test to fall quickly through the mixture, resulting in a low falling number.

If the ground wheat sample has limited sprouted kernels, there is low enzyme activity so the mixture becomes thick. It is better able to support the weight of the plunger, resulting in a high falling number.

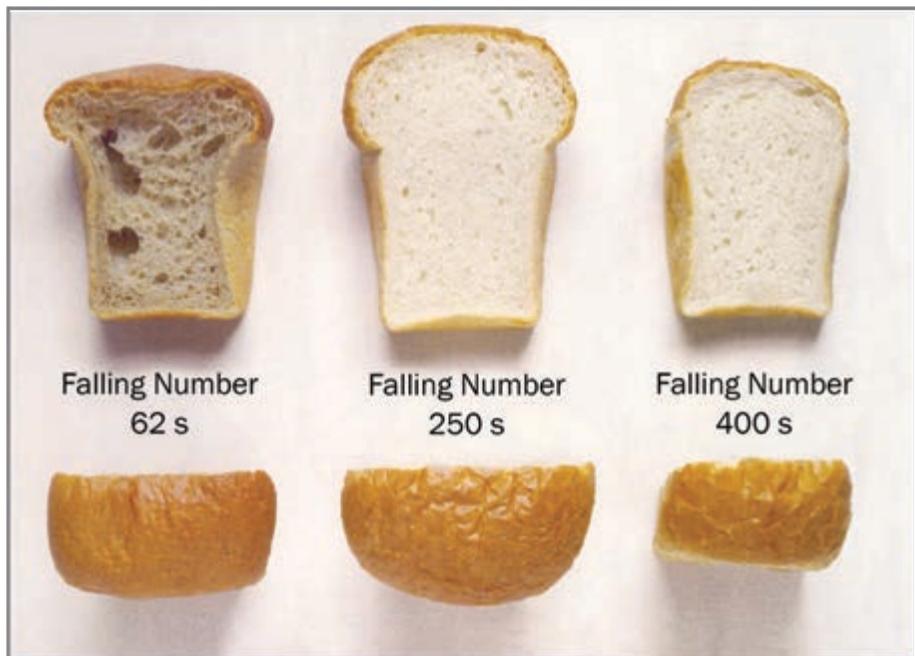
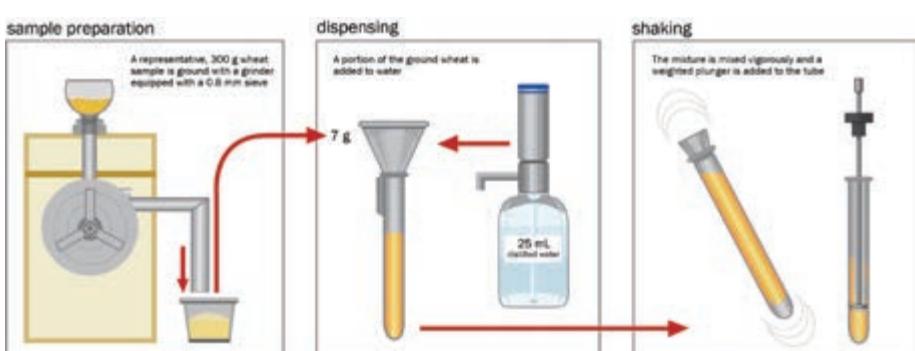


IMAGE: COURTESY OF PERKINELMER

## FALLING NUMBER TEST

It can take more than 15 minutes to perform the test.



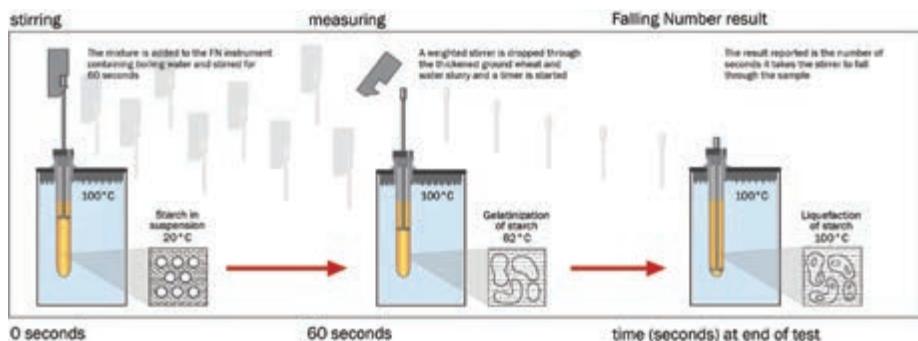
**Sample preparation:** A representative sample of wheat is ground using a specific grinder.

**Dispensing:** A portion of ground wheat and water is placed in a test tube.

**Shaking:** The test tube is vigorously shaken to ensure the sample is thoroughly mixed. A weighted stirrer or plunger is added to the test tube.

More **FALLING NUMBER** on next page »

## FALLING NUMBER *Continued from previous page*



**Stirring:** The test tube is placed in the instrument, which contains a boiling water bath. The test begins and the weighted stirrer is moved up/down through the mixture for 60 seconds, stopping when in its uppermost position. At this point the weighted stirrer is allowed to freely fall through the ground slurry. At the same time, the starch in the ground wheat begins to swell because of the heat from the boiling water bath.

The mixture will thicken.

**Measuring:** The falling number is the number of seconds it takes for the weighted stirrer to fall a measured distance through the hot slurry.

The Canadian Grain Commission provides definitions of sprouted and severely sprouted kernels and indicates limits for wheat in the Official Grain Grading Guide. Sprouted kernels may show swelling or a visible sprout in the germ area, the bran may be split over the germ and/or the germ may be missing.

When growth of the sprout extends past the normal contours of the germ, the kernel is considered severely sprouted. The amount of sprouted and severely sprouted kernels is combined to assess the total sprouted kernels when a sample of wheat is graded. ■

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# FROM MISSOURI TO MANITOBA — WATERHEMP IS HERE TO STAY

## Know your enemy

**By Kim Brown**

Provincial Weeds Specialist, Manitoba Agriculture

**By Dennis Lange**

Provincial Pulse and Soybean Specialist,  
Manitoba Agriculture

The first confirmed waterhemp plant was discovered in Manitoba in 2018 and now five years later waterhemp has been found in twenty rural municipalities (RMs). While we continue to find fields with only one or two waterhemp plants there are some fields with many plants. 2023 saw numerous infestations particularly in the RMs' of de Salaberry and Emerson-Franklin.

There are several pigweed species in Manitoba such as redroot pigweed (*Amaranthus retroflexus*), Powell's pigweed, (*Amaranthus powellii*, known elsewhere as green pigweed) and tumble pigweed (*Amaranthus albus*).

These are common agricultural weeds. More recent introduction of problematic species like waterhemp (*Amaranthus tuberculatus*), smooth pigweed (*Amaranthus hybridus*) and Palmer amaranth (*Amaranthus palmeri*) is concerning. Waterhemp, smooth pigweed and Palmer amaranth are aggressively competitive and resistant to multiple herbicides.

With so many different pigweeds in Manitoba we need to identify which species are in our fields. These species look very similar when young and it's difficult to tell them apart. One of the first ways to tell the difference is to feel the stem. If it feels rough it's very likely redroot pigweed. Most of the other pigweeds have hairless, smooth stems. You may be able to see a few fine hairs on the stem but you can't feel them. The leaves of most pigweeds look very similar, but waterhemp can (but not

**When waterhemp is confirmed or even suspected you must remove the plants before they set seed.**

**They are prolific seed producers and a single waterhemp has enough seed (up to one million seeds per plant) to infest entire fields if left behind.**



Waterhemp and other pigweeds on the edge of a wheat field. PHOTO: DENNIS LANGE, MANITOBA AGRICULTURE



always) have a more oblong leaf and it can (but not always) be a darker, shiny green. When plants are more mature we can look at the seedheads, here we can really see some differences. Redroot pigweed has a thick and compact bottlebrush-shaped seedhead while waterhemp has a skinnier, long and snaky seedhead.

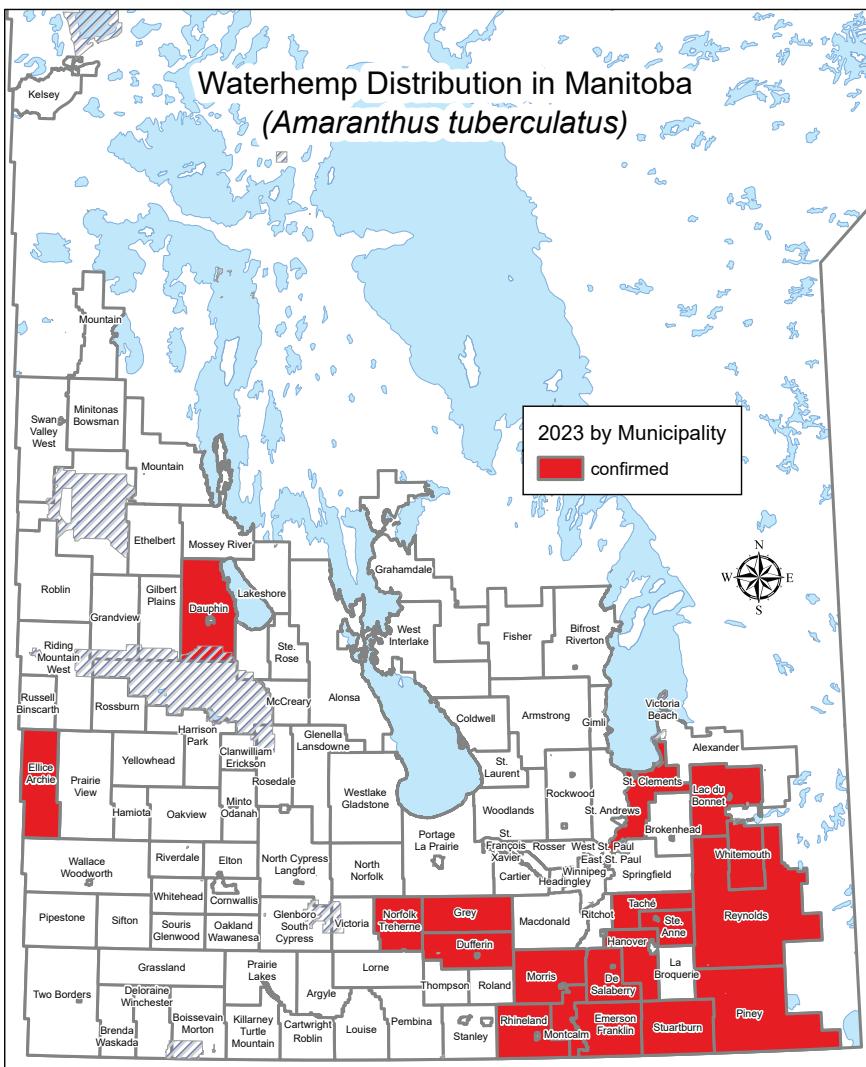
The most definitive way to know which pigweed you have through DNA analysis. Samples can be sent to the Pest Surveillance Initiative lab in Winnipeg for testing.

**Top Left:** Waterhemp seedhead

**Top Right:** Redroot pigweed seedhead.  
**Middle Right:** Hairy and smooth stems.

PHOTOS: MANITOBA AGRICULTURE

**Bottom Right:** PHOTO: OMAFRA



Author: Manitoba Agriculture  
Source: MB Ag Confirmation  
Date: October 17, 2023



0 25 50 100 Kilometres

When waterhemp is confirmed or even suspected you must remove the plants before they set seed. They are prolific seed producers and a single waterhemp has enough seed (up to one million seeds per plant) to infest entire fields if left behind. Pull or dig up plants and remove them, try to get all the roots as they can regrow. Do not cut waterhemp as they will regrow and set seed. Under NO circumstances should you put it through the combine as combines are great

More WATERHEMP on page 12 »



Waterhemp plants after frost at end of September. PHOTO: MANITOBA AGRICULTURE



## **WATERHEMP** *Continued from page 11*

spreaders of weed seeds and waterhemp seeds are tiny and impossible to completely clean out. Combines will spread herbicide resistant seed throughout the entire field and contaminate every field they work in. Waterhemp can germinate post-harvest and produce seed before freeze-up (see photos above). Post-harvest weed control is crucial, through tillage and/or with herbicides that work on pigweeds. Products containing 2,4-D, MCPA or dicamba, or herbicides like Intruvix, IPCO Bifecta EZ or Smoulder are registered for fall weed control, make sure to follow re-cropping restrictions.

Waterhemp is resistant to several herbicide groups, 5 way resistance to groups 9, 2, 5, 14 and 27 develops rapidly. Row crops like corn, soybeans, dry beans and sunflowers give waterhemp ample opportunity to grow prior to row closure and there are limited post-emergent weed control options. Waterhemp can be found in cereals and canola, but usually these crops out-compete waterhemp as they cover the ground quicker and have more in-crop weed control options. There are NO new chemistries coming that control waterhemp, we must use the products we have efficiently, effectively and sustainably so they last as long as possible.

When seeding soybeans on fields with waterhemp you cannot spray glyphosate alone. Pre-emergent herbicides with residual activity are a good start for your weed control program. Products like Authority, Authority Supreme, Dual II, Edge, Fierce, Focus, Heat Complete, IPCO Bifecta EZ, metribuzin + Treflan, Treflan, Valtera, Voraxor and Voraxor Complete offer suppression or control of pigweeds. In-crop you need to be using the Xtend, Xtend Flex or Enlist system and spraying the tank mix partner with glyphosate on the first pass or at the first trifoliolate. This past season we saw several fields of Xtend beans where glyphosate alone was sprayed first pass and then waterhemp escapes were noticed. When dicamba was added for the second application it was too late as the waterhemp was way too big to be controlled.

Battling waterhemp needs us to use all the tools in the weed control toolbox. The starting point is a diverse crop rotation with competitive crops in the mix and wherever possible use strategic tillage to control weeds. When growing soybeans, plant in narrow rows as this is more competitive than wide row beans. In all crops use herbicide mixtures



Waterhemp plant in soybean field, sprayed on second pass.  
PHOTO: DENNIS LANGE, MANITOBA AGRICULTURE

including pre- and post-emergent products with multiple modes of action, mix it up as much as possible. Cover crops may offer some fall weed suppression particularly if grown after early-harvested crops. If waterhemp is allowed to set seed in the field then some sort of harvest weed seed control is necessary to limit the amount of seed that hits the ground. There are several ways to do this, ranging from chaff lining, chaff tramlining, bale direct, using chaff wagons, and installing weed seed destructors on combines to prevent waterhemp seed returning to the seedbank. We need to do everything possible to stop the spread of this weed. ■

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# WESTERN DISEASE RATINGS PLANNED FOR EASTERN BARLEY VARIETIES

New trials aim to fill gaps in regional crop disease resistance information

By Julianne Isaacs

**H**ow many producers would select a barley variety with missing disease resistance information?

That's a question the seed industry has had to face with the marketing of eastern barley varieties to western Canadian producers.

Once a variety has been supported for registration by a regional recommending committee, it receives registration across Canada.

But the recommending committees look at different factors. In Ontario, the Ontario Cereal Crops Committee coordinates cereal performance testing. Barley variety evaluations examine agronomic characteristics such as yield, test weight and lodging, and susceptibility to disease, mainly fusarium head blight.

Based on results, they make recommendations to the variety registration office of the Canadian Food Inspection Agency.

The Prairie Recommending Committee for Oat and Barley (PRCOB) tests and evaluates oat and barley cultivars and makes recommendations to CFIA for variety reg-

istration based on similar agronomic characteristics, but with different procedures and emphases. It does more intensive and broad disease resistance evaluations than the Ontario committee.

Teams within each committee are responsible for different areas of evaluation; the Prairie group's disease evaluation team looks at variety susceptibility to surface-borne smuts, fusarium head blight (FHB), net and spot forms of net blotch, scald, spot blotch and stem rust.

What happens when an eastern Canadian barley variety is marketed in Western Canada?

The differences in the recommending committees' procedures results in potential gaps, says Kelly Turkington, a plant pathologist for Agriculture and Agri-Food Canada based in Lacombe, Alta. Turkington has been involved with the prairie recommending committee since 1995.

"One large deficiency with [eastern] varieties is that they don't have disease ratings that are consistent with the ratings developed for barley varieties that go through the PRCOB [system]," says Turkington.

"The eastern coops do not test for most of PRCOB's priority one diseases, except

for FHB. The operating procedures for the Ontario committee only seem to mention FHB testing for wheat and not barley."

Other than for that, he says, the Ontario data collected for cereal diseases is not equivalent to the PRCOB data packages, and isn't suitable for Prairie provincial variety guides.

Instead of the standard disease ratings, such as Susceptible (S), Moderately Susceptible (MS) or Resistant (R), the provincial variety guide tables might show "XX" under the disease categories for which there is no equivalent data.

These varieties may not be seen as competitive versus varieties that have a full set of PRCOB-derived disease data, says Turkington.

"That information is crucial to growers in terms of variety choice as part of their disease management programs," he says.

"Not having that information is problematic when trying to make variety decisions based on actual on-farm disease threats and/or trying to reduce fungicide needs by growing a resistant variety. If you're going to have them in the variety guide, they need to have consistent information so a producer or consultant can look at those ratings and have confidence that something registered as an R or S in an eastern region will also be R or S in the western region."

## ANOTHER TRIAL

A solution is underway.

At the 2022 PRCOB meeting, the group opted to develop a new coop trial that would evaluate eastern varieties being tested in western provincial variety trials using PRCOB disease evaluation team (DET) procedures.

The trial has been dubbed the Prairie Eastern Barley Disease Cooperative Trial.

"We felt that the path of least resistance was to start this smaller PRCOB DET-only co-op trial," says Turkington.



PHOTO: CLUBFOTO/E+/GETTY IMAGES

More **BARLEY** on page 15 »

"The purpose is not to recommend whether something should be grown or not grown. It's already approved through CFIA. Our focus is entirely on the ratings we're seeing in terms of field screening and seedling trials. We'll review them the exact same way we do [in] the existing DET co-op trials, and then we'll discuss them, debate them and vote on the final disease rating."

The diseases examined in the co-op trial "are the same as those evaluated for the PRCOB two-row malting, feed and for-

age and hulless DET trials, while using the same procedures and locations," says Turkington.

The eastern barley disease co-op is supported partially via the current Sustainable Canadian Agricultural Partnership (SCAP) Barley Cluster Project that Turkington is co-leading with AAFC research scientist James Tucker.

According to Gina Feist, executive director of the Brewing and Malting Barley Research Institute, participating organizations will also pay a fee.

Todd Hyra is the western business manager for SeCan. A few years ago, the company trialled German barley variet-

ies Esma, KWS Kellie, RGT Planet and RGT Asteroid in the eastern registration trials.

Now that it understands the impact of inadequate disease ratings, the company enters all new barley varieties in both eastern and western trials, he says.

"We appreciate the addition of the disease testing to fill that gap, as products like Esma and KWS Kellie have demonstrated an important fit in Western Canada, particularly in Alberta where they are at the top of the yield trials," says Hyra.

"We also appreciate the flexibility of the registration system to allow a path for new genetics that offer value to farmers." ■

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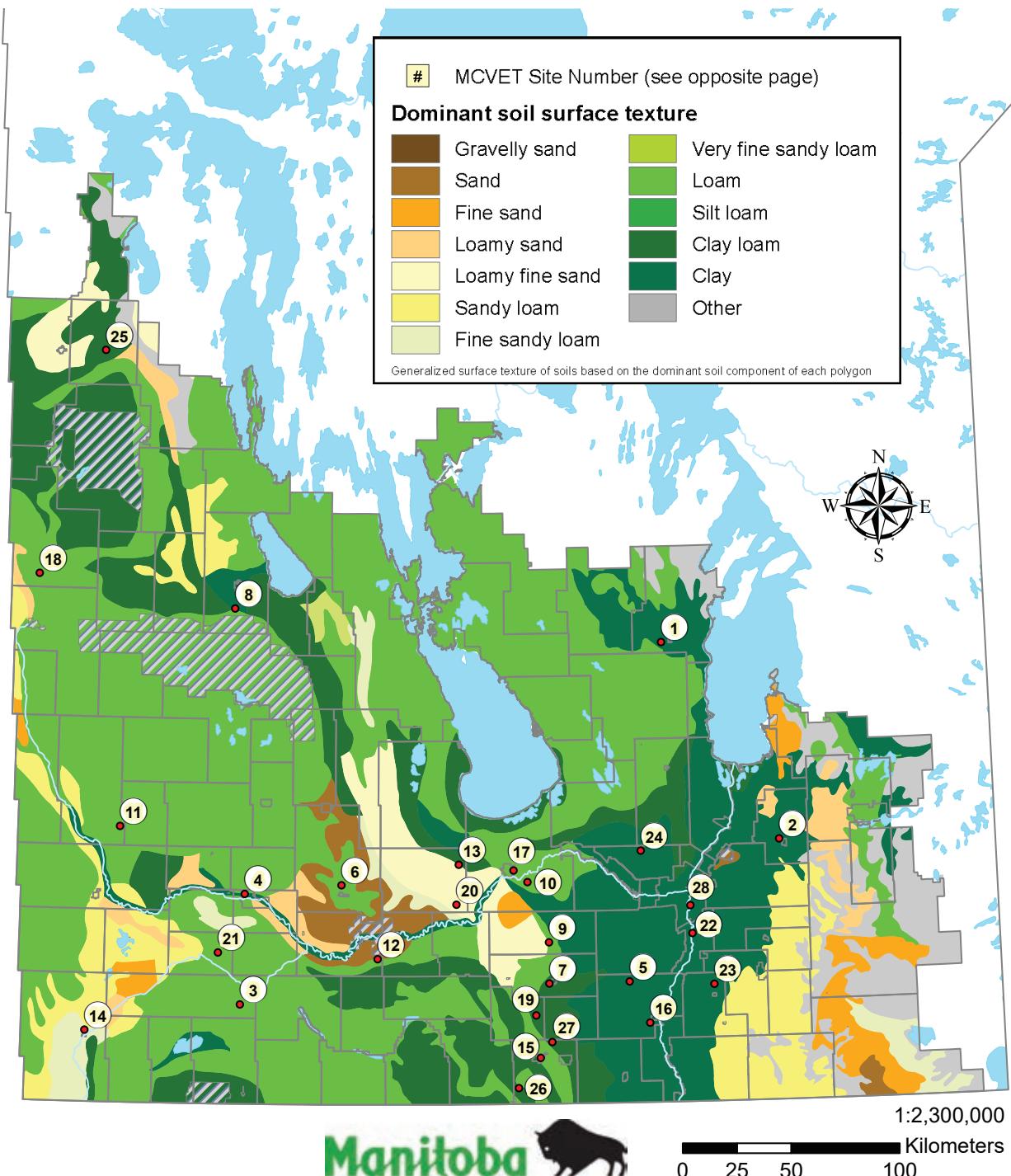
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# 2023 LOCATIONS OF VARIETY EVALUATION TRIALS



Site Location	Contractor(s)	Soil Texture	Internal Soil Drainage	Precipitation <sup>1</sup>		Growing Degree Days <sup>1,2</sup>		Weather Station Used
				Actual (mm)	% of Normal	Actual	% of Normal	
1 Arborg	PESAI	clay	imperfect	201	63%	1821	117%	Arborg
2 Beausejour	PESAI	clay loam	imperfect	242	70%	1855	115%	Beausejour
3 Boissevain	Ag-Quest Inc.	loamy	imperfect	195	57%	-	-	Minto
4 Brandon	Agriculture & Agri-Food Canada	clay loam	well	244	79%	1829	120%	Brandon
5 Brunkild	TapRoot Research Ltd.	heavy clay	imperfert	141	40%	1901	116%	Brunkild
6 Carberry	MCDC	clay loam	well	175	57%	1840	120%	Carberry (EC)
7 Carman	University of Manitoba, Ag-Quest Inc.	loam	imperfect	155	46%	1986	120%	Carman
8 Dauphin	Ag-Quest Inc.	silty clay loam	imperfect	237	72%	1795	120%	Dauphin
9 Elm Creek	Ag-Quest Inc.	coarse loam	imperfect	124	38%	2005	120%	Elm Creek
10 Elm River	Syngenta	silty clay	imperfect	134	39%	1988	119%	Portage la Prairie
11 Hamiota	Ag-Quest Inc.	clay loam	well	205	65%	1727	118%	Hamiota
12 Cypress River	Ag-Quest Inc.	loamy	imperfect	185	53%	1909	115%	Holland
13 MacGregor	Ag-Quest Inc.	coarse loam	imperfect	134	39%	1988	119%	Portage la Prairie
14 Melita	WADO	loamy	imperfect	182	54%	1875	114%	Melita
15 Morden	AAFC Morden	clay loam	well	120	36%	2124	120%	Morden
16 Morris	Ag-Quest Inc.	heavy clay	imperfect	159	47%	2016	122%	Morris
17 Portage la Prairie	CROP/ICMS	sandy loam	imperfect	134	39%	1988	119%	Portage la Prairie
18 Roblin	PCDF	loamy	well	168	56%	1692	121%	Roblin
19 Rosebank	Nutrien	loamy	imperfect	120	36%	2124	120%	Morden
20 Rossendale	Ag-Quest Inc.	sandy loam	imperfect	154	47%	1906	113%	Bagot
21 Souris	Ag-Quest Inc.	loamy	imperfect	182	59%	1863	122%	Souris
22 St. Adolphe	Richardson, Murphy et al	heavy clay	imperfect	207	61%	1970	119%	St. Adolphe
23 St. Pierre	Ag-Quest Inc.	heavy clay	imperfect	193	56%	1983	122%	St. Pierre
24 Stonewall	Solum Valley Biosciences Inc.	clay loam	imperfect	192	58%	1926	118%	Stonewall
25 Swan River	New Era Ag Technologies	clay loam	imperfect	164	53%	1736	117%	Swan River
26 Thornhill	Ag-Quest Inc.	loamy	well	182	55%	-	-	Windy Gates
27 Winkler	Ag-Quest Inc., Maizex	loamy	well	177	53%	2075	117%	Winkler
28 Winnipeg	University of Manitoba	silty clay	imperfect	230	67%	1980	119%	Winnipeg

<sup>1</sup> Weather data is reported from May 1 to October 1 and reflects the percentage of the normal accumulations as calculated using the 30 year long-term average.

<sup>2</sup> Temperature data at the Windygates and Minto weather stations was underestimated throughout the growing season, growing degree days are included for these two sites.

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 and MPSC 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 2024 can be directed to the individuals listed below:

**For canola contact Amy Delaquis at (204) 384-1196 or e-mail [amy@canolagrowers.com](mailto:amy@canolagrowers.com)**

**For grain corn and sunflowers, contact Daryl Rex at (204) 745-6776 or e-mail [daryl@mbcropalliance.ca](mailto:daryl@mbcropalliance.ca)**

**For soybean and dry bean, contact Dennis Lange at (204) 324-4383 or e-mail [dennis.lange@gov.mb.ca](mailto:dennis.lange@gov.mb.ca)**

**For all remaining crop types, contact Chami Amarasinghe at (204) 823-2584 or e-mail [chami.amarasinghe@gov.mb.ca](mailto: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 climactic conditions and to some extent on management practices.

Long term yield data is from MCVET plots harvested from 2010 to 2023, while protein is from 2006 to 2023. 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; NT = Not Tested.

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

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

⌚ Indicates a variety that is protected by Plant 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 2023 Yield and Protein Tables

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

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

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

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



## CWRS

### AAC Hockley

Total performance across Western Canada.

### AAC HodgeVB

Highest yielding CWRS ever registered.



New for 2024

## DURUM

### AAC Schrader

Highest Durum FHB resistance rating globally.



New for 2024

## OATS

### AAC Wesley

High yield potential, early maturity and short stature.



## CWRS

### SY Manness

Top yielding CWRS in Manitoba, suited for Western Canada.

### CDC Silas

Idealy suited to the Saskatchewan parkland and Northern AB.



## BARLEY

### AAC Synergy

Excellent yielding with strong market demand.

### Sirish

Great harvestability. Short straw.

### AB Hague

High yielding. A solution for Alberta's tough conditions.

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Breeders innovate.

Communities prosper.

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## PEAS

### AAC Profit

Strong black and grey soil zone yields.



## CPSR

### CDC Reign

High protein, with excellent milling properties.



## OATS

### CDC Arborg

Excellent yields. Early maturing.



## PEAS

### AAC Chrome

Highest yielding Yellow Pea in the market. Semi-Short vine.

# Manitoba Agriculture Variety Guide

BARLEY

## New for 2024

Variety	Type	Code	Breeder	Distributor	Seed Availability
AAC Stockton (2)◊	Food and Feed	TR20270	AAFC - Brandon	SeCan	2026
AB Dram (2)◊	Malting	TR14617	Field Crop Development Centre	SeedNet	2024
AB Maximizer (2)◊	Food and Feed	FB20601	Field Crop Development Centre	CANTERRA SEEDS	2026
AS Lafleur (2)◊	Food and Feed	CL010-018,138	Céréla Inc.	Alliance Seed	2027
AS Manon (2)◊	Food and Feed	CL011-011,032	Céréla Inc.	Alliance Seed	2027
Ferguson (2)◊	Food and Feed	TR19758	Highland Specialty Grains	Nutrien Ag Solutions	—

## Comments:

Malting barley varieties are classified into two groups. The “**Malting: Acceptance - Recommended**” group are varieties with recommended market acceptance as listed in the Canadian Malt Barley Technical Centre (CMBTC) publication “**2024/25 Recommended Malting Barley Varieties**” on page 26. The category of “**Malting: Other**” includes varieties not currently recommended by the CMBTC but markets may exist.

The two-row malting variety **CDC PlatinumStar**◊ is available through a closed loop identity preserved program.

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](http://www.inspection.gc.ca)) and the Canadian Grain Commission's **Variety Designation Lists** ([www.grainscanada.gc.ca](http://www.grainscanada.gc.ca)) to determine the registration and grade eligibility status of varieties.

A number of new varieties are participating in a Variety Use Agreement (VUA). If producers purchase a VUA variety and divert some of that grain at harvest for seed use, they will be invoiced a Variety Use Fee for use of the seed. Ask your retailer about your obligations to the Variety Use Agreement (VUA) when purchasing seed.



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<sup>1</sup> 2023 AGDATA West Cereal Seed Treatment Report – Cereal Seed Treatments

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# BARLEY (continued)

## Variety Descriptions

Category / Variety <sup>1</sup>	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 88 days	Height +/- 89 cm	Test Wt +/- 48.7 lb/bu	Awns <sup>2</sup>	Resistance Level:										
								Lodging	Loose Smut	Surface -borne Smut	Netted		Spotted		Fusarium			
											Root Rot	Net Blotch	Net Blotch	Spot Blotch	Spot Blotch	Stem Rust <sup>3</sup>	Head Blight	
<b>Malting: Acceptance - Recommended</b>																		
AAC Connect (2)Ø	46	109	12.5	0	-3	-0.5	R	G	S	R	MS	I	MR	MR	MR	MR	MR	
AAC Synergy (2)Ø	79	114	12.3	0	-2	-0.4	R	G	S	I	I	MR	R	R	MR	I		
CDC Churchill (2)Ø	41	114	12.3	1	-5	-0.2	R	G	MS	MR	—	MR	MR	I	MR	MS		
CDC Copeland (2)	36	102	12.4	0	5	-0.5	R	G	MS	I	I	I	I	S	MR	I		
CDC Fraser (2)Ø	43	110	12.2	1	0	-0.7	R	G	R	MR	MS	MR	MR	R	MR	I		
<b>Malting: Other</b>																		
AAC Goldman (2)Ø	56	109	12.6	1	3	-0.4	R	F	MS	I	S	I	R	I	I	MR		
AAC Prairie (2)Ø	29	109	12.5	0	-2	-0.3	R	F	S	MR	—	MR	I	I	MR	I		
AB Brewnet (2)Ø	39	106	13.1	3	5	0	R	G	MS	MR	—	MS	I	I	MR	MR		
AB Dram (2)Ø	8	102	13.2	-1	0	0	R	G	MR	R	—	MS	MR	MS	S	I		
AC Metcalfe (2)	196	99	13.0	0	0	0	R	F	R	I	I	S	I	I	MR	I		
Bentley (2)Ø	41	106	12.5	0	5	-0.8	R	G	MS	MR	I	MS	R	I	MR	I		
CDC Bow (2)Ø	55	107	12.2	1	3	0.5	R	G	S	I	MS	S	MR	I	MR	I		
CDC Copper (2)Ø	36	108	12.4	1	-5	-0.7	R	G	I	MR	MR	MR	I	I	MS	I		
CDC Kindersley (2)Ø	34	105	12.7	-1	-3	0	R	G	S	R	I	MS	MR	I	MR	I		
CDC PlatinumStar (2)Ø	18	102	12.2	0	3	-0.5	R	F	S	R	S	I	MR	S	I	MR		
Celebration (6W)Ø	35	106	13.5	-1	5	0	S	G	R	R	MS	S	MR	MR	I	MS		
Lowe (2)Ø	35	105	12.4	2	5	-0.4	R	G	R	R	—	I	MR	I	S	MR		
Newdale (2)	18	113	12.7	0	-3	-0.5	R	F	S	MR	I	MR	I	MR	I	I		
Sirish (2)Ø	48	105	12.4	1	-13	-0.3	R	VG	S	R	—	MS	MS	MS	S	MS		
Torbellino (2)	29	97	12.5	1	-11	-0.4	R	G	S	R	MS	MS	MS	MS	MS	S		
Tradition (6W)	19	105	13.1	2	10	0.8	S	F	S	MR	MR	S	I	MR	MR	S		
<b>Food and Feed</b>																		
AAC Lariat (2)Ø	17	116	12.3	1	-3	-0.3	R	G	R	R	—	R	MR	I	R	MS		
AAC Stockton (2)Ø	5	117	12.6	1	-2	0	R	G	R	R	—	I	I	I	R	MR		
AB Advantage (6F)Ø	30	109	13.3	1	15	0	S	VG	MR	I	—	MS	I	I	I	S		
AB Cattlelac (6)Ø	31	112	12.9	1	11	1.3	SS	VG	I	R	—	MS	MR	R	I	S		
AB Hague (2)Ø	42	106	12.3	1	4	0	R	G	MR	R	—	I	I	I	MR	MR		
AB Maximizer (2)Ø	17	110	12.3	0	3	1.2	R	VG	I	R	—	I	I	I	MR	I		
AB Prime (2)Ø	42	116	12.6	0	4	-0.4	—	G	S	R	—	MR	I	I	R	I		
AB Standswell (6)Ø	31	113	12.4	2	-4	0.3	S	G	MS	R	—	MR	I	MR	MR	S		
AB Tofield (6)Ø	29	111	12.2	1	5	1	S	VG	MR	MR	—	MS	I	I	R	S		
AB Wrangler (2)Ø	29	109	12.5	0	1	-0.2	R	F	MS	MR	—	I	I	MR	R	MR		
AltoradoØ	32	114	12.3	0	-5	0.7	R	G	MR	MR	S	I	S	MR	I	I		
Amisk (6)Ø	30	119	12.7	1	0	-2.3	SS	VG	S	MS	MS	I	MR	MR	MR	S		
Bighorn (2)Ø	29	114	12.2	0	4	0.4	—	F	I	R	—	I	I	I	I	I		
Canmore (2)Ø	33	111	12.5	1	0	0.7	R	G	R	R	I	MS	MR	I	MS	I		
Cantu (2)Ø	29	115	12.0	2	5	0.2	—	F	I	R	—	I	I	I	R	I		
CDC Austenson (2)Ø	79	116	12.3	1	0	0.5	R	G	S	R	I	MS	R	MR	I	I		
CDC Cowboy (2F)Ø	38	98	13.2	1	15	1.3	R	F	MS	MR	I	I	MR	I	MR	MR		
CDC Durango (2)Ø	29	114	12.5	2	-3	0.1	R	G	S	R	—	MR	MS	I	I	I		
CDC Maverick (2F)Ø	29	98	13.5	1	10	5.4	S	F	S	R	I	I	MR	I	MR	MR		
CDC Renegade (2F)Ø	29	107	12.7	1	7	-0.3	S	F	I	MR	—	MS	MR	MS	MR	MR		
Claymore (2)Ø	44	119	12.1	0	0	-0.2	R	G	S	R	I	S	I	MS	MR	MR		
CONLON (2)Ø	35	100	12.8	-1	-3	0.8	S	G	I	I	I	I	MR	S	MR	MR		
Desperado (6F)	44	109	12.7	1	5	2.5	S	G	MS	R	MR	S	MR	MR	MR	S		
Ferguson (2)Ø	17	114	12.0	1	-2	-0.2	R	G	S	R	—	MS	MS	S	I	I		
Ibex (2)Ø	29	115	12.2	1	2	0.2	—	F	S	R	I	I	I	I	R	I		
Oreana (2)Ø	44	113	11.9	2	-13	0.2	R	G	S	R	I	S	MR	I	I	S		
<b>Varieties being tested for adaptability in Western Canada</b>																		
AS Lafleur (2)Ø	5	91	13.4	-3	0	1.7	R	VG	NT	NT	NT	NT	NT	NT	NT	NT	NT	
AS Manon (2)Ø	5	92	13.0	-2	4	0.4	R	VG	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Esma (2)Ø	30	115	12.2	1	-10	-0.4	—	G	NT	NT	NT	NT	NT	NT	NT	NT	NT	
KWS Kellie (2)Ø	29	106	12.1	1	-11	-1.5	—	P	NT	NT	NT	NT	NT	NT	NT	NT	NT	
RGT Planet (2)Ø	29	101	12.1	1	-10	-0.5	R	F	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Richer (6)Ø	29	115	12.7	—	14	-2.1	R	VG	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Waterloo (6)	5	115	13.0	—	12	-2.1	R	G	NT	NT	NT	NT	NT	NT	NT	NT	NT	
<b>Varieties supported for registration by the PRCOB</b>																		
<b>Malting: Other</b>																		
TR17635 (2)	7	111	12.4	2	4	-0.6	—	F	I	R	-	MS	MS	I	I	MR		
TR19655 (2)	4	117	12.5	0	6	-0.5	—	G	S	MR	—	R	I	MR	I	I		
TR20661 (2)	8	113	12.2	0	-2	-0.8	—	G	R	MR	—	I	I	MS	MR	I		
<b>Food and Feed</b>																		
FB21106 (2)	5	118	12.5	1	0	1.3	R	G	MR	MR	—	I	I	I	MR	I		
SR17519 (6)	6	106	13.0	1	3	0.5	S	VG	I	R	—	MR	I	I	R	MS		
TR20761 (2)	5	115	11.7	-1	-7	0.2	R	G	MS	R	—	MS	MS	MS	R	MR		
<b>GRAND MEAN (bu/acre and %)</b>	115	12.4																
<b>LSD (0.05)</b>	6	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 R = Rough, S = Smooth, SS = Semi-Smooth

3 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.

4 Fusarium head blight (FHB) infection is highly influenced by environment and heading date. Under high levels of the disease all varieties will sustain damage.

NT = Not tested for disease, until a full rating is generated assume that the variety is susceptible to the disease.



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## BARLEY (*continued*)

### Yield Comparisons

Variety	2023 Yield (bu/acre)											
	Arborg	Beausejour	Brandon	Carberry	Dauphin	Hamiaota	Melita	Roblin	Rosebank	Souris	Ste. Adolphe	Stonewall
<b>Malting</b>												
AAC Prairie (2)◊	117	117	118	99	106	159	89	99	137	159	145	82
AAC Synergy (2)◊	120	126	121	109	104	155	94	109	133	170	160	85
AB Brewnet (2)◊	—	—	—	111	—	128	86	—	130	163	—	—
AB Dram (2)◊	111	—	—	99	93	125	88	—	121	156	144	—
AC Metcalfe (2)	—	—	—	88	—	115	86	—	115	141	—	—
CDC Churchill (2)◊	—	—	—	108	—	169	91	—	146	174	—	—
CDC Copeland (2)	—	—	—	105	—	142	86	—	132	164	—	—
Torbellino (2)	109	110	113	118	62	121	79	96	124	148	131	67
<b>Food and Feed</b>												
AAC Lariat (2)◊	135	142	129	105	96	156	92	117	138	184	179	84
AAC Stockton (2)◊	128	—	—	—	120	151	—	—	—	169	163	—
AB Hague (2)◊	122	106	88	97	97	146	95	99	131	171	153	82
AB Maximizer (2)◊	123	125	125	86	104	140	94	112	139	163	158	78
AB Prime (2)◊	127	133	129	114	102	143	96	118	143	178	155	73
AB Standswell (6)◊	119	143	129	102	108	164	95	110	147	183	148	81
Bighorn (2)◊	124	140	112	103	102	151	95	99	139	178	158	90
Cantu (2)◊	123	137	114	119	105	166	99	117	131	172	140	92
CDC Austenson (2)◊	127	142	112	104	118	166	91	105	132	167	151	85
CDC Durango (2)◊	135	138	121	115	98	140	89	118	129	168	173	81
Ferguson (2)◊	139	145	110	110	95	155	91	115	139	168	179	86
Ibex (2)◊	124	152	112	114	87	146	97	103	138	172	156	81
<b>Varieties being tested for adaptability in Western Canada</b>												
AS Lafleur (2)◊	98	—	—	—	80	116	—	—	—	132	139	—
AS Manon (2)◊	105	—	—	—	80	106	—	—	—	143	134	—
RGT Planet (2)◊	113	118	97	94	70	138	88	93	127	159	152	65
Richer (6)◊	133	124	131	114	107	141	86	110	135	161	168	78
<b>Varieties supported for registration by the PRCOB</b>												
<b>Malting: Other</b>												
TR20661 (2)	133	—	—	101	101	161	92	—	137	163	151	—
<b>Food and Feed</b>												
FB21106 (2)	139	—	—	—	91	166	—	—	—	170	181	—
TR20761 (2)	126	—	—	—	107	151	—	—	—	161	175	—
<b>SITE GRAND MEAN (bu/acre)</b>	123	131	116	105	97	145	91	107	134	164	156	81
CV %	4.8	5.1	6.4	8.0	5.8	5.4	3.8	7.6	3.6	2.6	6.9	4.3
LSD (bu/acre)	10	11	12	14	9	13	6	14	8	7	18	6
Sign Diff	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
<b>Seeding Date</b>	12-May	23-May	25-May	04-May	09-May	11-May	05-May	11-May	12-May	11-May	10-May	15-May
<b>Harvest Date</b>	21-Aug	30-Aug	13-Sep	18-Aug	29-Aug	28-Aug	08-Aug	28-Aug	18-Aug	28-Aug	29-Aug	19-Aug

## Protein Comparisons

C  
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<b>Variety</b>	2023 Protein (%)											
	Arborg	Beausejour	Brandon	Carberry	Dauphin	Hamiaota	Melita	Roblin	Rosebank	Souris	Ste. Adolphe	Stonewall
<b>Malting</b>												
AAC Prairie (2)◊	12.3	12.7	11.4	13.2	12.6	10.0	10.1	12.8	11.9	10.3	12.5	13.0
AAC Synergy (2)◊	12.2	12.0	11.0	12.9	12.7	10.7	10.1	13.1	12.2	10.1	12.8	11.4
AB Brewnet (2)◊	—	—	—	13.8	—	10.9	11.0	—	13.4	10.4	—	—
AB Dram (2)◊	13.1	—	—	14.7	13.6	11.7	10.2	—	12.9	10.5	13.6	—
AC Metcalfe (2)	—	—	—	13.4	—	12.1	10.6	—	12.6	9.9	—	—
CDC Churchill (2)◊	—	—	—	12.4	—	11.2	9.6	—	12.4	9.8	—	—
CDC Copeland (2)	—	—	—	12.5	—	9.8	10.0	—	11.8	9.6	—	—
Torbellino (2)	12.5	12.6	10.1	11.7	12.6	9.8	9.7	13.5	12.0	9.3	13.4	13.9
<b>Food and Feed</b>												
AAC Lariat (2)◊	12.0	12.3	9.9	13.0	12.5	11.0	9.5	12.9	12.5	9.5	12.9	13.1
AAC Stockton (2)◊	12.1	—	—	—	12.8	10.3	—	—	—	10.1	13.2	—
AB Hague (2)◊	11.8	11.9	10.7	13.6	12.1	10.4	9.5	12.5	12.5	9.4	12.6	13.4
AB Maximizer (2)◊	11.2	12.5	9.5	13.7	12.6	10.6	9.5	12.8	11.8	9.3	12.7	13.7
AB Prime (2)◊	12.7	12.6	10.3	14.3	12.8	10.3	9.1	13.6	12.3	9.3	13.4	12.4
AB Standswell (6)◊	13.0	12.1	10.6	13.1	12.0	10.5	9.4	12.6	11.6	9.9	13.5	13.8
Bighorn (2)◊	11.4	12.4	10.5	13.7	12.8	9.2	9.5	12.9	12.1	9.2	13.0	13.5
Cantu (2)◊	11.7	12.2	9.9	12.5	12.8	9.2	8.9	12.7	12.0	9.8	12.4	13.3
CDC Austenson (2)◊	12.0	12.1	10.9	12.5	12.5	10.4	10.4	13.5	12.3	9.3	12.7	13.6
CDC Durango (2)◊	12.2	13.0	10.7	13.0	12.9	9.9	9.2	13.0	11.8	9.7	12.9	14.1
Ferguson (2)◊	11.5	12.0	10.3	12.9	12.2	10.1	8.9	12.0	11.4	9.4	12.8	13.3
Ibex (2)◊	11.8	11.6	10.5	13.5	12.5	9.4	10.1	12.9	12.2	9.6	12.4	13.4
<b>Varieties being tested for adaptability in Western Canada</b>												
AS Lafleur (2)◊	13.8	—	—	—	13.9	11.5	—	—	—	10.4	14.2	—
AS Manon (2)◊	12.8	—	—	—	13.1	10.4	—	—	—	11.1	13.7	—
RGT Planet (2)◊	12.4	12.3	10.5	12.9	12.0	10.1	9.5	13.1	12.6	9.8	13.1	14.4
Richer (6)◊	12.1	12.8	10.4	12.8	13.0	11.2	9.9	13.7	12.1	9.7	13.8	13.1
<b>Varieties supported for registration by the PRCOB</b>												
<b>Malting: Other</b>												
TR20661 (2)	11.9	—	—	14.0	12.7	9.2	9.6	—	11.0	9.3	12.7	—
<b>Food and Feed</b>												
FB21106 (2)	12.0	—	—	—	12.6	10.0	—	—	—	10.8	12.8	—
TR20761 (2)	11.5	—	—	—	12.0	9.2	—	—	—	9.2	11.6	—
<b>SITE GRAND MEAN (%)</b>	12.2	12.3	10.5	13.2	12.7	10.3	9.7	13.0	12.2	9.8	13.0	13.3

# NOTICE

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**It's your responsibility  
to know.**

# 2024-2025 RECOMMENDED MALTING BARLEY VARIETIES



**THE CANADIAN MALTING BARLEY TECHNICAL CENTRE (CMBTC) RECOMMENDED LIST** provides producers with an indication of which malting barley varieties have the greatest potential for selection and marketing. Each variety on the recommended list has been tested at the CMBTC and all exhibit good malting characteristics. All varieties on the list are registered with the Canadian Food Inspection Agency (CFIA).<sup>1</sup>

## RECOMMENDED VARIETIES<sup>2</sup>

VARIETY	AAC CONNECT	CDC FRASER	CDC CHURCHILL	AAC SYNERGY	CDC COPELAND
EXPORT DEMAND	Growing ↑	Growing ↑	Developing	Peaked ▲	Peaked ▲
DOMESTIC DEMAND	Growing ↑	Growing ↑	Growing ↑	Declining ↓	Declining ↓
PRODUCTION	Increasing ↑	Increasing ↑	Increasing ↑	Stable →	Decreasing ↓
SEED DISTRIBUTOR	CANTERRA SEEDS	SeCan	SeCan	FP Genetics	SeCan

## VARIETIES IN DEVELOPMENT

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

VARIETY	AB BREWNET	AAC PRAIRIE	AB DRAM
SEED DISTRIBUTOR	SeedNet	CANTERRA SEEDS	SeedNet

## ADDITIONAL MALTING VARIETIES

Check with your malting barley buyer prior to seeding for additional contracting opportunities including the following varieties:

- AC Metcalfe (SeCan)
- CDC Bow (SeCan)
- Legacy (FP Genetics)
- CDC Copper (FP Genetics)
- Bill Coors 100 (Stamp Seeds)
- CDC GoldStar (CANTERRA SEEDS)<sup>3</sup>

A list of all Canadian Grain Commission designated malting barley varieties can be seen on the CGC website under "Variety Designation Lists".<sup>4</sup>

<sup>1</sup>The varieties on this recommended list are targeted primarily at western Canada and may not reflect malting barley varieties with the greatest potential for selection and marketing in eastern Canada.

<sup>2</sup>"Peaked" indicates maximum demand for this variety has been reached, with future demand expected to decline.

<sup>3</sup>Contact Boortmalt for contracting opportunities.

<sup>4</sup><https://www.grainscanada.gc.ca/en/grain-quality/variety-lists/>

## THE CMBTC AND ITS MEMBERS RECOMMEND:

Talk with your malting or grain company representative, local elevator operators, or representative seed company about **opportunities to grow and market malting barley in your area.**

**Use certified seed** and additional management practices to help ensure high quality malting barley and varietal purity. Malt buyers specify varietal purity >95%.

Explore opportunities to **contract production** of malting barley varieties.

SEEDED AREA BY MAJOR MALTING VARIETY PERCENTAGE (%) - WESTERN CANADA



Distribution of malting barley varieties as a percentage (%) of area seeded with malting barley in western Canada in 2023. Source: CGC (based on data from provincial crop insurance agencies).

## CMBTC VOTING MEMBERS



For inquiries please contact the CMBTC by email at [cmbtc@cmbtc.com](mailto:cmbtc@cmbtc.com) or call 204-984-4399.

[cmbtc.com](http://cmbtc.com)





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AGI is a global leader in the handling and storage of grain. We got here by making it our mission to look beyond individual products and services, to view every step of the grain handling, storage and conditioning process as part of an integrated whole. Safety, security, ease of handling and efficiency, are just some of the benefits derived from our big-picture approach. We think globally, but focus locally—ensuring that every aspect of this approach leads to improved profitability for your farm.



# OATS

## New for 2024

Variety	Code	Breeder	Distributor	Seed Availability
AAC Neville®	OT2134	AAFC - Brandon	SeCan	2025
CDC Byer	OT3115	Crop Development Centre	FP Genetics	2026
ORe BOOST (F)®	OT6037	Oat Advantage	SeCan	2025

### Comments:

There have been changes within the oat crown rust pathogen populations that has seen virulence developed on a number of oat varieties. Resistance to oat crown rust is likely poorer than shown in the table below with most varieties expected to be moderately susceptible or worse under severe epidemic conditions.

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.

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

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

### Variety Descriptions

Variety <sup>1</sup>	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 <sup>2</sup> Rust
AAC Douglas®	36	159	-2	3	-1.0	25.9	White	G	R	MR	I
AAC Kongsoore	4	146	1	20	1.0	24.5	White/Yellow	G	R	MS	I
AAC Neville®	16	157	2	-2	-0.7	25.5	White/Yellow	VG	R	S	I
AAC Wesley®	28	154	-4	-3	-1.2	20.8	White	G	R	MS	I
AC Morgan	36	142	1	15	-1.0	25.2	White	G	I	S	S
Alka®	33	159	1	1	1.0	28.0	White	G	—	MR	—
CDC Anson®	16	164	0	-5	-1.5	19.5	White	VG	R	MR	S
CDC Arborg®	35	156	-2	19	0.2	20.5	White	VG	R	I	S
CDC Byer	5	167	0	-1	-1.2	22.3	White	VG	R	MR	S
CDC Dancer	40	137	-3	13	0.5	19.6	White	G	R	I	I
CDC Endure®	33	160	-1	13	-1.1	20.9	White	VG	R	MR	S
CDC Haymaker (F)®	37	127	2	25	-1.0	22.0	White	G	MR	S	—
CDC Morrison®	13	133	-2	-3	-1.0	24.4	White	VG	R	MS	I
CDC Skye	25	143	-2	11	0.5	19.6	White	G	R	R	S
CS Camden®	48	159	2	0	-1.5	21.1	White	VG	I	MS	S
Furlong	72	136	-1	20	0.5	20.3	Tan	G	R	S	I
Leggett®	144	144	0	0	0	23.0	White	G	R	R	I
ORe3541M®	35	139	-2	-2	0.6	23.3	White	VG	R	R	S
ORe3542M®	35	142	-1	-2	-1.1	24.4	White	VG	R	R	S
ORe BOOST (F)®	5	155	7	7	-2.3	24.6	Light Yellow	VG	R	S	S
ORe Level48®	28	140	-1	0	-0.5	21.6	White	G	R	MR	I
ORe Level50®	28	139	0	1	-0.8	22.0	White	VG	R	R	S
Pinnacle	50	153	3	10	-1.2	23.7	White	G	R	S	I
Souris®	60	141	-4	0	0.5	20.9	White	G	R	MS	MR
Stride	39	144	-2	13	0.6	23.7	White	VG	R	R	I
Summit®	104	147	0	-3	0.5	20.8	White	G	R	I	I
Triactor®	43	161	-1	8	-1.5	22.1	White	VG	I	MR	S
<b>Varieties being tested for adaptability in Western Canada</b>											
Kalio®	28	156	-2	1	-0.8	21.5	White	VG	R	MR	S
Kyron®	16	161	-3	3	0.9	26.6	White	G	R	MR	S
<b>Varieties supported for registration by the PRCOB</b>											
OT7104	16	160	2	15	-2.3	25.8	White	G	R	S	MS
OT7109	5	166	3	-2	-1.5	22.5	White	G	R	R	MS
<b>GRAND MEAN (bu/acre)</b>		149									
<b>LSD (bu/acre) (0.05)</b>		9									

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.

NT = Not tested for disease, until a full rating is generated assume that the variety is susceptible to the disease.

## Yield Comparisons

Variety	2023 Yield (bu/acre)										
	Arborg	Beausejour	Brandon	Carberry	Dauphin	Hamota	Melita	Roblin	Souris	Ste. Adolphe	Stonewall
AAC Neville	112	132	177	166	234	220	144	115	220	113	96
AAC Wesley	108	154	178	158	213	262	152	129	205	101	90
CDC Anson	103	133	187	163	241	246	138	137	217	122	94
CDC Byer	103	—	—	—	233	260	—	—	247	138	—
CS Camden	109	135	165	157	218	245	142	137	213	137	81
ORe BOOST (F)	132	—	—	—	225	209	—	—	212	123	—
ORe Level48	91	135	177	130	160	208	139	81	199	101	61
ORe Level50	91	132	169	143	167	224	129	83	194	105	76
Summit	100	130	172	146	206	244	123	73	220	96	66
<b>Varieties being tested for adaptability in Western Canada</b>											
Kalio	109	148	189	160	231	251	149	124	233	120	77
Kyron	126	145	180	150	240	225	142	112	231	129	98
<b>Varieties supported for registration by the PRCOB</b>											
OT7104	119	147	199	158	213	236	158	111	259	123	100
OT7109	128	—	—	—	248	233	—	—	217	131	—
<b>SITE GRAND MEAN (bu/acre)</b>	110	139	179	153	218	236	142	110	221	118	84
CV %	5.1	3.5	4.2	6.1	4.0	4.0	6.6	8.5	4.7	5.6	5.2
LSD (bu/acre)	9	8	—	16	15	16	16	17	18	11	8
Sign Diff	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes
<b>Seeding Date</b>	12-May	23-May	20-May	04-May	09-May	11-May	10-May	09-May	11-May	10-May	15-May
<b>Harvest Date</b>	28-Aug	30-Aug	08-Sep	18-Aug	29-Aug	28-Aug	08-Aug	07-Sep	28-Aug	18-Aug	19-Aug

**\*NEW\***  
**High Yielding**

# Richer Barley

- ◆ **121 bushels/acre (Seed MB 2022)**
- ◆ **108% of Austenson**
- ◆ **VG for Lodging**



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 Hulme Agra Products   MacGregor MB   204-871-4666   Arborg MB   204-776-2333  
 204-641-1288

# SPRING WHEAT

New for 2024

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Spike®	CWRS	PT4002	AAFC - Brandon	SeCan	2026
AAC Walker VB®	CWRS	BW1116	AAFC - Brandon	FP Genetics	2026
AAC Westlock®	CPSR	HY2090	AAFC - Lethbridge	SeCan	2025
AAC Westking®	CWRS	BW5090	AAFC - Swift Current	SeCan	2026
CDC Envy®	CWRS	PT5003	Crop Development Centre	Alliance Seed	2025
Alotta®	CWSP	GP250	University of Alberta	SeCan	2025

## Comments:

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](http://www.midgetolerantwheat.ca).

The varieties **CDC Hughes VB®**, **CDC Landmark VB®** and **CDC Adamant VB®** have partial solid stems, which can provide protection against the wheat stem sawfly.

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

Producers are strongly encouraged to use the Canadian Grain Commission's **Variety Designation Lists** ([www.grainscanada.gc.ca](http://www.grainscanada.gc.ca)) that indicate the varieties belonging to each class of wheat in Canada.

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

A number of new varieties are participating in a Variety Use Agreement (VUA). If producers purchase a VUA variety and divert some of that grain at harvest for seed use, they will be invoiced a Variety Use Fee for use of the seed. Ask your retailer about your obligations to the Variety Use Agreement (VUA) when purchasing seed.

**\*NEW\***

## Bolles cWRS Wheat



- ✓ High Protein & Yield
- ✓ Good Disease Package - MR for All Rusts
- ✓ 1 to 2 Days Later Maturing than Carberry
- ✓ Semi Dwarf - Good Lodging
- ✓ FHB Resistance - A Solid I Rating
- ✓ Some Salinity Tolerance \*

\* Based on visual observations only

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**The past 2 years Bolles has been a top yielder with the protein I have been missing out on.**

**It is our preferred commercial wheat variety for our farm now.**

*Gord Nickel  
Solsgirth, MB 2019*

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## SPRING WHEAT (continued)

### Variety Descriptions

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity		Height + / - 81 cm	Spike Awned	Resistance Level:									
				99 days	+ / -			Lodging	Sprouting	Loose Smut	Common Bunt	Leaf <sup>1</sup> Spots	Stem Rust	Leaf Rust	Stripe Rust	Head Blight	
<b>Canada Western Red Spring</b>																	
AAC Alida VB	33	73	14.7	2	6	Y	VG	VG	R	I	MS	R	R	MR	MR		
AAC Brandon	109	74	14.4	2	0	Y	VG	P	MR	S	I	R	R	MR	MR		
AAC Broadacres VB	31	77	14.4	3	6	Y	VG	F	—	MR	—	R	R	MR	I		
AAC Cameron VB	34	78	14.0	1	13	Y	G	F	S	R	I	MR	MR	S	I		
AAC Darby VB	29	71	15.0	-2	13	Y	G	VG	—	MS	—	MR	R	R	I		
AAC Dutton	17	78	14.1	1	2	Y	VG	F	I	R	—	R	R	MR	MR		
AAC Elie	45	72	14.4	2	-3	Y	VG	F	I	I	I	R	R	MR	I		
AAC Hassler	17	72	15.1	-1	8	Y	G	VG	I	MS	—	MR	R	R	I		
AAC Hockley	28	73	14.5	2	-1	Y	VG	G	—	R	—	MR	R	R	MR		
AAC Hodge VB	29	78	14.1	2	8	Y	VG	F	MS	R	R	R	R	R	MR		
AAC LeRoy VB	34	76	14.5	0	7	Y	G	G	—	I	MS	MR	MR	MR	MR		
AAC Magnet	33	73	14.6	0	8	Y	G	F	—	S	MS	R	R	I	MR		
AAC Redberry	45	73	14.5	0	8	Y	G	VG	R	I	MS	R	R	R	I		
AAC Redstar	31	72	14.4	0	6	Y	VG	G	—	MR	—	R	MR	MR	MR		
AAC Russell VB	31	77	14.5	2	4	Y	VG	F	—	MR	—	MR	R	R	MR		
AAC Spike	5	68	14.3	0	-6	Y	VG	—	—	MR	—	R	R	R	MR		
AAC Starbuck VB	36	77	14.6	1	1	Y	G	F	MR	S	S	I	MR	MR	MR		
AAC Tisdale	32	72	15.3	1	8	Y	G	F	MR	MR	MS	R	R	S	MR		
AAC Viewfield	52	75	14.5	3	-5	Y	VG	G	S	MR	I	R	MR	R	I		
AAC Walker VB	5	76	14.4	2	1	Y	VG	—	—	MR	—	R	R	R	MR		
AAC Warman VB	33	72	14.6	0	12	Y	G	F	MR	S	I	R	R	MS	MR		
AAC Westking	5	78	14.0	2	-3	Y	VG	—	—	R	—	MR	R	I	MR		
AAC Wheatland VB	33	77	14.5	1	0	Y	VG	G	R	MR	S	R	R	I	I		
Bolles	31	72	15.7	—	-1	Y	VG	F	—	S	—	MR	R	MR	I		
Carberry	133	70	14.7	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR		
Cardale	30	72	14.6	2	3	Y	VG	G	I	MR	MS	R	R	S	MR		
CDC Adamant VB	32	72	14.5	0	8	Y	F	F	S	S	MS	R	I	MS	I		
CDC Envy	29	73	14.4	-1	2	Y	G	—	—	R	—	I	R	MR	I		
CDC Hughes VB	33	72	14.7	1	3	Y	VG	G	MR	MS	I	R	MR	I	I		
CDC Landmark VB	40	72	14.6	0	3	Y	VG	G	MR	MS	I	R	MS	MR	I		
CDC Ortona	31	70	14.5	-1	5	Y	VG	G	—	S	—	R	R	R	I		
CDC Pilar CLPlus	31	71	14.3	1	-4	Y	VG	G	—	MR	—	MR	R	MS	I		
CDC Plentiful	42	69	14.7	-3	8	N	VG	P	R	I	I	R	R	MR	MR		
CDC Silas	28	76	14.2	2	2	Y	VG	F	—	MS	—	MR	R	I	I		
CDC SKRush	31	76	14.6	2	4	Y	VG	P	—	I	—	MR	R	MR	MR		
CDC Succession CLPLUS VB	31	72	14.5	2	2	Y	VG	G	—	S	—	MR	MR	I	MS		
CDC Titanium VB	32	69	15.1	2	13	Y	G	P	MS	I	MS	I	R	R	MR		
Daybreak	31	77	14.3	2	4	Y	VG	F	—	S	—	R	MR	MR	I		
Ellerslie	31	67	14.7	0	5	Y	VG	F	—	S	—	R	MR	R	I		
Glenn	146	71	14.5	2	8	Y	VG	F	I	I	I	R	R	MR	I		
Parata	33	71	14.9	-2	13	Y	G	F	MR	S	I	R	MR	MR	I		
Rednet	31	74	14.7	3	16	Y	G	F	—	S	—	R	R	R	MR		
SY Brawn VB	31	74	14.8	1	9	—	VG	G	—	MR	—	MR	R	I	I		
SY Cast	36	73	14.8	3	-1	—	VG	G	—	R	—	R	R	R	I		
SY Chert VB	26	73	14.2	-1	7	Y	G	F	R	R	MS	R	R	R	I		
SY Crossite	31	76	14.1	3	8	—	VG	G	—	MS	—	R	R	R	MR		
SY Donald VB	28	77	14.3	0	8	Y	VG	G	—	MS	—	I	I	I	MR		
SY Gabbro	36	75	14.9	2	7	Y	VG	F	R	I	MS	MR	R	I	MR		
SY Manness	28	79	14.0	1	-5	Y	VG	G	—	S	—	R	R	I	I		
SY Natron	20	70	14.7	2	11	—	G	—	—	R	—	MR	R	S	I		
SY Obsidian	26	73	14.4	1	3	Y	VG	F	R	MS	I	MR	R	MR	MS		
SY Slate	32	74	15.0	1	10	Y	G	P	MS	S	MS	MR	R	MR	I		
SY Sovite	32	67	14.6	1	8	Y	G	F	R	MS	MR	R	R	R	MR		
SY Torach	33	72	14.9	2	3	Y	VG	P	R	MS	MS	MR	R	MS	MR		
Tracker	13	70	14.8	-2	4	Y	G	G	—	S	—	R	R	R	I		
WR859 CL	26	71	14.6	0	5	Y	G	G	R	R	MS	MR	R	I	MR		

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 <sup>1</sup> Spots	Stem Rust	Leaf Rust	Stripe Rust	Fusarium <sup>2</sup> Head Blight
<b>Canada Prairie Spring Red</b>															
AAC Entice®	35	77	13.7	2	1	Y	G	P	MS	S	MS	R	R	R	I
AAC Goodwin®	33	79	14.2	2	0	Y	VG	G	MS	I	I	R	R	R	I
AAC Penhold®	44	78	14.0	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AAC Perform®	17	80	12.9	3	1	Y	VG	—	—	I	—	R	R	MR	MS
AAC Rimbev VB®	29	81	12.5	1	0	Y	G	VG	—	I	—	R	R	R	I
AAC Westlock®	5	81	13.5	1	-1	Y	VG	—	—	R	—	R	R	R	MR
Accelerate®	31	81	13.4	2	-2	Y	VG	F	—	S	—	R	R	R	I
CDC Reign®	28	78	14.1	3	2	Y	VG	VG	—	S	—	MR	R	I	I
CDC Terrain®	33	75	13.5	0	10	Y	VG	G	MR	MR	I	MR	R	R	MS
SY Rorke®	30	78	12.9	3	2	—	VG	F	—	MS	—	R	R	S	I
SY Rowyn®	34	78	13.6	1	-5	Y	VG	F	I	S	I	R	R	MR	MR
<b>Canada Northern Hard Red</b>															
AAC Redwater®	43	69	14.7	-2	8	Y	G	VG	MS	I	MS	R	R	MR	I
Faller	51	87	13.0	1	3	Y	G	F	—	I	MS	I	MR	MS	I
Prosper®	46	86	13.0	1	3	Y	G	F	—	I	I	MR	MR	S	I
Shelly®	29	77	13.5	2	-5	Y	VG	—	—	MS	—	MR	R	MR	I
Unity VB®	24	75	14.3	0	13	Y	F	VG	MS	R	I	MR	R	MS	I
<b>Canada Western Special Purpose</b>															
AAC Awesome VB®	33	93	11.6	4	10	Y	G	P	I	I	I	R	MR	R	I
Alderon	33	82	12.0	9	-5	Y	VG	F	—	MS	I	MR	R	MR	—
Alotta®	5	96	12.4	4	-1	Y	VG	—	—	I	—	R	R	R	MS
CDC Throttle	19	85	12.6	2	5	Y	VG	P	MR	I	S	MR	MR	I	I
Pasteur	39	82	13.1	7	5	N	VG	G	MS	S	I	MR	R	MR	I
WPB Whistler®	31	83	11.8	7	1	N	VG	G	—	I	—	R	R	R	I
<b>Canada Western Hard White Spring</b>															
AAC Cirrus®	37	71	14.8	1	3	Y	VG	F	R	I	I	MR	R	R	I
AAC Tomkins®	29	67	14.9	0	2	Y	G	G	—	MR	—	MR	R	MS	I
AAC Whitefox®	32	70	13.9	-2	8	N	G	F	MS	MS	MS	MR	MR	MS	I
AAC Whitehead VB®	29	78	14.3	1	1	Y	VG	G	—	R	—	R	R	MR	I
<b>Canada Western Soft White Spring</b>															
AAC Indus VB®	33	83	11.1	6	5	Y	VG	P	S	MS	MS	S	I	R	MS
AAC Paramount VB®	34	88	11.5	4	8	Y	VG	P	MR	S	—	I	I	R	MS
<b>Canada Western Extra Strong</b>															
CDN Bison	14	71	13.8	1	8	Y	G	F	R	I	I	R	MR	—	I
Glencross VB	12	69	14.2	0	20	N	G	F	R	I	MS	R	MR	MR	S
<b>Varieties supported for registration by the PRCWRT</b>															
BW5089®	5	75	14.3	2	-2	Y	VG	—	—	MR	—	MR	R	I	MR
BW5095	5	80	13.5	3	2	Y	G	—	—	MR	—	R	R	I	MR
HY2129	5	82	13.1	3	-4	Y	VG	—	—	R	—	R	R	R	I
HY2136	5	84	12.7	3	0	Y	G	—	—	R	—	MR	R	MR	MS
LAR17-7773®	5	78	13.8	2	-4	Y	VG	—	—	MS	—	MR	R	R	I
LAR18-03928®	5	86	13.4	2	-2	Y	G	—	—	S	—	R	R	I	I
LAR18-04850®	5	69	14.0	2	-8	Y	VG	—	—	I	—	R	R	R	I
PT661	5	68	14.3	1	8	Y	VG	—	—	I	—	R	I	I	MR
<b>GRAND MEAN (bu/acre and %)</b>	79	14.2													
LSD (bu/acre and %) (0.05)	4	0.4													

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

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

## SPRING WHEAT (continued)

### Yield Comparisons

Class/Variety	2023 Yield (bu/acre)											
	Arborg	Beausejour	Brandon	Carberry	Dauphin	Hamiaota	Melita	Rosebank	Souris	Ste. Adolphe	Stonewall	Swan River
<b>Canada Western Red Spring</b>												
AAC Brandon	52	71	81	59	113	117	78	89	117	80	41	103
AAC Darby VB	45	66	77	58	105	106	64	73	104	80	36	81
AAC Dutton	57	75	87	59	111	116	71	85	123	83	40	99
AAC Hassler	46	69	80	56	118	111	65	73	102	79	38	95
AAC Spike	41	—	—	—	110	112	—	—	103	80	—	—
AAC Walker VB	54	—	—	—	117	117	—	—	111	87	—	—
AAC Westking	59	—	—	—	115	117	—	—	120	88	—	—
CDC Envy	50	72	84	58	111	122	63	91	113	89	36	104
SY Cast	50	74	72	59	110	113	66	78	112	81	37	95
<b>Canada Prairie Spring Red</b>												
AAC Perform	69	88	91	68	121	117	71	82	112	93	48	96
AAC Rimbey VB	60	87	95	61	122	126	69	83	114	91	39	98
AAC Westlock	61	—	—	—	115	118	—	—	127	95	—	—
<b>Canada Northern Hard Red</b>												
Shelly	55	69	84	59	105	120	72	83	121	85	40	99
<b>Canada Western Special Purpose</b>												
Alotta	68	—	—	—	153	140	—	—	141	101	—	—
<b>Canada Western Hard White Spring</b>												
AAC Tomkins	44	61	64	54	104	111	63	70	109	73	33	85
AAC Whitehead VB	50	77	78	63	113	119	77	81	116	78	36	100
<b>Varieties supported for registration by the PRCWRT</b>												
BW5089	58	—	—	—	115	117	—	—	118	83	—	—
BW5095	61	—	—	—	117	119	—	—	120	93	—	—
HY2129	62	—	—	—	131	121	—	—	112	98	—	—
HY2136	64	—	—	—	130	124	—	—	115	107	—	—
LAR17-7773	52	—	—	—	129	116	—	—	105	90	—	—
LAR18-03928	63	—	—	—	135	128	—	—	131	89	—	—
LAR18-04850	50	—	—	—	104	111	—	—	106	83	—	—
PT661	42	—	—	—	101	111	—	—	107	76	—	—
<b>SITE GRAND MEAN (bu/acre)</b>												
CV%	3.9	3.8	4.3	5.0	3.2	2.5	8.9	11.3	3.5	8.7	5.5	9.0
LSD (bu/acre)	4	5	6	5	6	5	—	—	7	12	4	—
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No
<b>Seeding Date</b>	12-May	23-May	15-May	04-May	09-May	11-May	05-May	12-May	11-May	10-May	15-May	11-May
<b>Harvest Date</b>	21-Aug	30-Aug	01-Sep	18-Aug	05-Sep	29-Aug	08-Aug	17-Aug	28-Aug	18-Aug	02-Sep	29-Aug

## Protein Comparisons

Class/Variety	2023 Protein (%)											
	Arborg	Beausejour	Brandon	Carberry	Dauphin	Hamota	Melita	Rosebank	Souris	Ste. Adolphe	Stonewall	Swan River
<b>Canada Western Red Spring</b>												
AAC Brandon®	15.0	15.4	16.2	13.9	13.8	11.5	13.6	14.0	12.2	16.2	16.2	14.9
AAC Darby VB®	16.6	16.4	16.6	15.2	14.6	12.4	14.5	15.3	13.4	16.2	15.9	15.5
AAC Dutton®	15.3	15.4	15.7	13.1	13.7	11.5	13.3	13.6	12.5	16.4	15.9	14.6
AAC Hassler®	15.8	17.0	16.8	14.5	14.9	12.6	14.7	15.3	13.5	16.2	16.4	15.3
AAC Spike®	15.0	—	—	—	14.5	12.0	—	—	12.8	15.4	—	—
AAC Walker VB®	15.3	—	—	—	14.4	11.8	—	—	12.5	16.2	—	—
AAC Westking®	14.7	—	—	—	13.4	11.6	—	—	12.4	15.9	—	—
CDC Envy®	15.2	15.8	15.6	14.3	14.1	11.1	13.2	13.7	12.4	15.9	14.5	14.9
SY Cast®	16.4	16.2	16.2	14.6	15.2	12.2	14.3	15.2	12.8	17.0	16.8	15.8
<b>Canada Prairie Spring Red</b>												
AAC Perform®	12.9	13.9	13.4	11.9	12.7	10.5	12.9	12.6	11.8	14.3	14.2	13.0
AAC Rimbey VB®	13.5	13.4	13.6	12.4	12.6	10.3	12.6	12.3	11.5	14.6	14.7	12.9
AAC Westlock®	14.0	—	—	—	13.7	11.3	—	—	11.6	14.8	—	—
<b>Canada Northern Hard Red</b>												
Shelly®	14.3	16.0	14.9	13.3	13.8	10.8	13.2	13.2	12.1	15.3	15.2	13.4
<b>Canada Western Special Purpose</b>												
Alotta®	13.5	—	—	—	11.9	10.5	—	—	10.6	12.8	—	—
<b>Canada Western Hard White Spring</b>												
AAC Tomkins®	15.1	16.2	16.7	14.6	13.4	12.1	13.9	14.7	13.3	17.1	15.8	15.2
AAC Whitehead VB®	15.5	16.6	15.8	13.4	14.5	11.8	13.1	14.5	12.3	16.6	16.0	14.4
<b>Varieties supported for registration by the PRCWRT</b>												
BW5089®	15.2	—	—	—	13.8	11.5	—	—	12.6	16.5	—	—
BW5095	13.8	—	—	—	13.3	11.1	—	—	12.0	15.3	—	—
HY2129	13.6	—	—	—	12.7	10.7	—	—	11.6	14.6	—	—
HY2136	13.1	—	—	—	12.4	10.4	—	—	11.4	13.7	—	—
LAR17-7773®	14.2	—	—	—	13.6	11.7	—	—	12.7	14.6	—	—
LAR18-03928®	14.7	—	—	—	13.2	10.3	—	—	11.4	15.3	—	—
LAR18-04850®	14.3	—	—	—	14.4	11.2	—	—	12.8	15.1	—	—
PT661	15.2	—	—	—	14.0	11.8	—	—	12.7	15.7	—	—
<b>SITE GRAND MEAN (%)</b>	14.7	15.7	15.6	13.7	13.7	11.4	13.6	14.0	12.3	15.5	15.6	14.5

# WINTER WHEAT

New for 2024

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Overdrive®	CWRW	W614	AAFC - Lethbridge	SeCan	2024

## Comments:

**Broadview, CDC Falcon and Peregrine** are hard red kernel types.

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

## Variety Descriptions

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Height				Relative <sup>2</sup> Winter Hardiness	Resistance Level:				
				+/-	75 cm	Spike	Relative <sup>1</sup> Maturity		Common Lodging	Stem Bunt	Leaf Rust	Stripe Rust	Fusarium <sup>3</sup> Head Blight
						Awned							
<b>Canada Western Red Winter</b>													
AAC Coldfront®	14	92	11.8	7	Y	M	VG	VG	S	R	R	R	I
AAC Elevate®	39	81	11.7	8	Y	M	G	VG	MR	MR	I	MS	I
AAC Gateway®	35	82	12.4	2	Y	M	F	VG	S	MR	I	MR	I
AAC Goldrush®	48	82	12.0	10	Y	M	VG	G	S	MR	R	I	I
AAC Network®	27	79	12.0	4	Y	L	G	VG	MR	R	MR	R	I
AAC Overdrive®	5	82	11.7	4	Y	E	VG	VG	R	R	MR	R	MR
AAC Vortex®	20	87	12.3	8	Y	M	VG	VG	S	R	R	R	MR
AAC Wildfire®	33	89	11.7	10	Y	L	VG	G	MR	S	I	R	MR
CDC Buteo	86	80	11.7	16	Y	M	VG	F	S	I	I	S	MR
Emerson®	69	83	12.7	11	Y	M	G	VG	S	R	I	MR	R
Flourish	35	82	12.0	5	Y	E	F	VG	MR	I	I	I	S
Moats®	35	83	12.1	16	Y	E	G	F	MS	R	R	MR	S
<b>Canada Western Special Purpose</b>													
AAC Icefield®	34	84	11.4	5	Y	M	F	VG	S	R	MR	MR	I
Broadview	38	82	11.5	6	Y	E	G	G	S	R	R	S	S
CDC Falcon	103	79	11.8	0	Y	E	F	VG	S	MR	MR	S	S
Peregrine	36	84	11.4	22	Y	M	VG	F	S	I	MR	MR	I
<b>GRAND MEAN</b> (bu/acre and %)		81	12.1										
LSD (bu/acre) (0.05)		3	0.2										

1 Maturity ratings: E = Early, M = Medium and L = Late. 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 adequate winter hardiness if seeded at the optimum date into standing stubble where good snow cover can be assured.

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	2023 Yield (bu/acre)				
	Arborg	Dauphin	Melita	Robin	Stonewall
<b>Canada Western Red Winter</b>					
AAC Coldfront®	35	126	93	91	69
AAC Goldrush®	30	111	89	86	55
AAC Network®	34	119	92	81	62
AAC Overdrive®	37	100	90	80	59
AAC Wildfire®	40	130	91	99	55
AAC Vortex®	36	121	79	82	57
Emerson®	28	107	84	82	55
<b>SITE GRAND MEAN (bu/acre)</b>	34	116	88	86	59
CV%	8.4	3.5	5.9	5.9	8.0
LSD (bu/acre)	5	7	—	12	8
Sig Diff	yes	yes	no	yes	yes
<b>Seeding Date</b>	15-Sep	13-Sep	16-Sep	13-Sep	22-Sep
<b>Harvest Date</b>	3-Aug	8-Aug	14-Aug	15-Aug	15-Aug

## Protein Comparisons

Class/Variety	2023 Protein (%)				
	Arborg	Dauphin	Melita	Robin	Stonewall
<b>Canada Western Red Winter</b>					
AAC Coldfront®	15.2	12.8	12.8	12.5	13.1
AAC Goldrush®	16.0	12.7	12.1	12.3	12.8
AAC Network®	15.1	12.9	12.2	12.7	12.9
AAC Overdrive®	14.7	12.2	12.4	12.7	12.5
AAC Wildfire®	14.9	12.2	12.3	12.3	12.7
AAC Vortex®	15.1	12.7	13.3	13.3	13.5
Emerson®	16.3	13.8	13.4	13.6	14.1
<b>SITE GRAND MEAN (%)</b>	15.3	12.8	12.6	12.8	13.1

# FALL RYE

New for 2024

Variety	Class	Code	Breeder	Distributor	Seed Availability
SU Cossani	Hybrid	HYH266/19SSH02	Franz-Joachim Fromme, Hybro Saatzucht GmbH & Co. KG	FP Genetics Inc.	2024
SU Performer	Hybrid	HYH257/19SSH01	Franz-Joachim Fromme, Hybro Saatzucht GmbH & Co. KG	FP Genetics Inc.	2024
KWS Receptor	Hybrid	RT252	Andres Gordillo, KWS Lochow GmbH	KWS Seeds Canada Ltd.	2022
KWS Sandor	Hybrid	RT256	Andres Gordillo, KWS Lochow GmbH	KWS Seeds Canada Ltd.	2023

## Comments:

Hybrid fall rye varieties have improved falling number. Typically, a falling number of 180 seconds or greater is preferred by the rye milling market. Falling number can be heavily influenced by moisture around harvest time.

## Variety Descriptions

Variety	Site Years Tested	Yield (bu/ac)	Height +/- 104 cm	Relative <sup>1</sup> Maturity	Falling Number (Seconds)	Resistance Level:	Relative Winter Hardiness	
						Lodging	Ergot <sup>2</sup>	
Danko	29	87	—	—	—	—	—	F
Hazlet	88	92	3	0	172	G	MS	VG
Prima	25	88	13	-3	204	F	MS	VG
<b>Hybrid Fall Rye</b>								
Brasetto	36	107	-7	0	248	VG	MS	VG
KWS Bono	43	106	-8	0	265	VG	MS	VG
KWS Daniello	35	106	-7	-1	272	G	MS	VG
KWS Gatano <sup>†</sup>	20	109	-7	0	268	G	MS	VG
KWS Receptor <sup>†</sup>	8	116	-7	-1	270	G	MS	VG
KWS Sandor <sup>†</sup>	8	113	-6	-1	274	G	MS	VG
KWS Serafino <sup>†</sup>	23	115	-5	-1	281	G	MS	VG
KWS Trebiano <sup>†</sup>	30	109	-3	0	284	VG	MS	VG
SU Cossani	8	109	—	—	NT	—	NT	—
SU Performer	8	109	—	—	NT	—	NT	—
<b>GRAND MEAN (bu/acre)</b>		99						
LSD (bu/acre) (0.05)		6						

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

2 All varieties are susceptible to ergot. Current testing does not suitably differentiate varietal differences from other factors such as weather, crop development stage, inoculum load, and management.

NT = Not tested

## Yield Comparisons

Type/Variety	2023 Yield (bu/acre)							
	Arborg	Beausejour	Boisbœuf	Carman	Dauphin	Melita	Robin	Stonewall
Hazlet	50	71	66	50	124	84	88	63
<b>Hybrid Fall Rye</b>								
KWS Receptor <sup>†</sup>	81	82	100	72	178	112	103	60
KWS Sandor <sup>†</sup>	79	78	97	64	158	111	105	75
KWS Serafino <sup>†</sup>	76	85	82	66	166	97	105	74
SU Cossani	74	78	94	64	154	96	104	64
SU Performer	72	79	94	67	151	91	100	74
Trebiano	78	76	88	58	166	93	108	67
<b>Varieties being tested for adaptability in Western Canada</b>								
21SSH02	—	—	—	55	130	96	—	63
<b>SITE GRAND MEAN (bu/acre)</b>	73	79	89	62	153	97	102	68
CV%	7.6	4.7	8.8	8.8	3.3	9.6	4.9	8.8
LSD (bu/acre)	10	7	14	8	9	16	9	10
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Seeding Date</b>	15-Sep	19-Sep	14-Sep	29-Sep	13-Sep	16-Sep	13-Sep	22-Sep
<b>Harvest Date</b>	3-Aug	4-Aug	31-Jul	13-Aug	8-Aug	14-Aug	15-Aug	15-Aug

# Distributor Contacts for Listed Varieties in Seed Manitoba 2024

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

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## BARLEY

<b>Malting</b>	
AAC Connect (2) ♀	CANTERRA SEEDS
AAC Goldman (2) ♀	La Coop Federee
AAC Prairie (2) ♀	CANTERRA SEEDS
AAC Synergy (2) ♀	FP Genetics
AB Brewnet (2) ♀	SeCan
AB Dram (2) ♀	SeedNet
AC Metcalfe (2)	SeCan
Bentley (2) ♀	CANTERRA SEEDS
CDC Bow (2) ♀	SeCan
CDC Churchill (2) ♀	SeCan
CDC Copeland (2)	SeCan
CDC Copper (2) ♀	FP Genetics
CDC Fraser (2) ♀	SeCan
CDC Kindersley (2) ♀	SeCan
CDC PlatinumStar (2) ♀	CANTERRA SEEDS
Celebration (6W) ♀	CANTERRA SEEDS
Lacey (6W)	Alliance Seed
Lowe (2) ♀	SeCan
Newdale (2)	FP Genetics
Sirish (2) ♀	FP Genetics
Torbellino (2)	FP Genetics
Tradition (6W)	Nutrien Ag Solutions   Proven Seed / FP Genetics

## Food and Feed

AAC Lariat (2) ♀	CANTERRA SEEDS
AAC Stockton (2) ♀	SeCan
AB Advantage (6) ♀	SeCan
AB Cattlelac (6) ♀	Alliance Seed
AB Hague (2) ♀	FP Genetics
AB Maximizer (2) ♀	CANTERRA SEEDS
AB Prime (2) ♀	SeedNet
AB Tofield (6) ♀	SeCan
AB Standswell (6) ♀	Mastin Seeds
AB Wrangler (2) ♀	CANTERRA SEEDS
Altorado ♀	Nutrien Ag Solutions   Proven Seed
Amisk (6) ♀	SeCan
Bighorn (2) ♀	Nutrien Ag Solutions   Proven Seed
Canmore (2) ♀	CANTERRA SEEDS
Cantu (2) ♀	Nutrien Ag Solutions   Proven Seed
CDC Austenson (2) ♀	SeCan
CDC Cowboy (2F) ♀	SeCan
CDC Durango (2) ♀	SeCan
CDC Maverick (2F) ♀	SeCan
CDC Renegade (2F) ♀	SeCan
Claymore (2) ♀	Nutrien Ag Solutions   Proven Seed
CONLON (2) ♀	Seed Depot
Desperado (6F)	Alliance Seed
Ferguson (2) ♀	Nutrien Ag Solutions   Proven Seed
Ibex (2) ♀	Nutrien Ag Solutions   Proven Seed
Oreana (2) ♀	Nutrien Ag Solutions   Proven Seed

## Varieties being tested for adaptability in Western Canada

AS Lafleur (2) ♀	Alliance Seed
AS Manon (2) ♀	Alliance Seed
Esma (2) ♀	SeCan
KWS Kellie (2) ♀	SeCan
RGT Planet (2) ♀	SeCan
Richer (6) ♀	Seed Depot
Waterloo (6)	Seed Depot

## OATS

AAC Douglas ♀	SeCan
AAC Kongsore	Grain Millers
AAC Neville ♀	SeCan
AAC Wesley ♀	FP Genetics
AC Morgan	SeCan
Alka ♀	Elite Seeds
CDC Anson ♀	FP Genetics
CDC Arborg ♀	FP Genetics
CDC Byer	FP Genetics

## OATS

CDC Dancer	FP Genetics
CDC Endure ♀	Alliance Seed
CDC Haymaker (F) ♀	SeCan
CDC Morrison ♀	CANTERRA SEEDS
CDC Skye ♀	SeCan
CS Camden ♀	CANTERRA SEEDS
Furlong	CANTERRA SEEDS
Leggett ♀	FP Genetics
ORe3541M ♀	SeCan
ORe3542M ♀	SeCan
ORe BOOST ♀	SeCan
Ore Level48 ♀	Seed Depot
Ore Level50 ♀	Seed Depot
Pinnacle	FP Genetics
Souris ♀	Seed Depot
Stride ♀	SeCan
Summit ♀	FP Genetics
Triactor ♀	CANTERRA SEEDS
<b>Varieties being tested for adaptability in Western Canada</b>	<b>Canada Western Red Spring</b>
Kalio ♀	CANTERRA SEEDS
Kyron ♀	CANTERRA SEEDS

## SPRING WHEAT

<b>Canada Western Red Spring</b>	
AAC Alida VB ♀	SeCan
AAC Brandon ♀	SeCan
AAC Broadacres VB ♀	Nutrien Ag Solutions   Proven Seed
AAC Cameron VB ♀	CANTERRA SEEDS
AAC Darby ♀	FP Genetics
AAC Dutton ♀	SeCan
AAC Elie ♀	Alliance Seed
AAC Hassler ♀	FP Genetics
AAC Hockley ♀	FP Genetics
AAC Hodge VB ♀	FP Genetics
AAC LeRoy VB ♀	Alliance Seed
AAC Magnet ♀	FP Genetics
AAC Redberry ♀	Alliance Seed
AAC Redstar ♀	SeCan
AAC Russell VB ♀	FP Genetics / Nutrien Ag Solutions   Proven Seed
AAC Spike ♀	SeCan
AAC Starbuck VB ♀	SeCan
AAC Tisdale ♀	SeCan
AAC Viewfield ♀	FP Genetics
AAC Walker VB ♀	FP Genetics
AAC Warman VB ♀	SeCan
AAC Westking ♀	SeCan
AAC Wheatland VB ♀	SeCan
Bolles ♀	Seed Depot



Contact us at: 102 2nd Ave Rivers, MB R0K 1X0



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Cardale ☽	Seed Depot
CDC Adamant VB ☽	FP Genetics
CDC Envy ☽	Alliance Seed
CDC Hughes VB ☽	Nutrien Ag Solutions   Proven Seed
CDC Landmark VB ☽	FP Genetics
CDC Ortona ☽	Nutrien Ag Solutions   Proven Seed
CDC Pilar CLPlus ☽	Nutrien Ag Solutions   Proven Seed
CDC Plentiful ☽	FP Genetics
CDC Silas ☽	FP Genetics
CDC SKRush ☽	SeCan
CDC Succession CLPlus ☽	Nutrien Ag Solutions   Proven Seed
CDC Titanium VB ☽	Nutrien Ag Solutions   Proven Seed
Daybreak ☽	CANTERRA SEEDS
Ellerslie ☽	SeCan
Glenn ☽	CANTERRA SEEDS
Parata ☽	SeCan
RedNet ☽	SeedNet Inc.
SY Brawn VB ☽	Nutrien Ag Solutions   Proven Seed
SY Cast ☽	Nutrien Ag Solutions   Proven Seed
SY Chert VB ☽	Syngenta Canada Inc.
SY Crossite ☽	FP Genetics
SY Donald VB ☽	FP Genetics
SY Gabbro ☽	Richardson Pioneer
SY Manness ☽	FP Genetics
SY Natron ☽	Richardson Pioneer
SY Obsidian ☽	Syngenta Canada Inc.
SY Slate ☽	Richardson Pioneer
SY Sovite ☽	Alliance Seed
SY Torach ☽	CANTERRA SEEDS
Tracker ☽	Richardson Pioneer
WR859 CL ☽	
<b>Canada Prairie Spring Red</b>	
AAC Entice ☽	Nutrien Ag Solutions   Proven Seed
AAC Goodwin ☽	SeCan
AAC Penhold ☽	SeCan
AAC Perform ☽	Alliance Seed
AAC Rimbe VB ☽	SeCan
AAC Westlock ☽	SeCan
Accelerate ☽	CANTERRA SEEDS
CDC Reign ☽	FP Genetics
CDC Terrain ☽	FP Genetics
SY Rorke ☽	Nutrien Ag Solutions   Proven Seed
SY Rowyn ☽	Alliance Seed
<b>Canada Northern Hard Red</b>	
AAC Redwater ☽	SeCan
AC Domain	SeCan
Faller	Seed Depot
Prosper ☽	Seed Depot
Shelly ☽	Seed Depot
Unity VB ☽	SeCan
<b>Canada Western Special Purpose</b>	
AAC Awesome VB ☽	SeCan
Alderon	SeCan
Alotta ☽	SeCan
CDC Throttle	Crop Development Centre

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AAC Tomkins ☽	FP Genetics
AAC Whitefox ☽	SeCan
AAC Whitehead VB ☽	FP Genetics
<b>Canada Western Soft White Spring</b>	
AAC Indus VB ☽	SeCan
AAC Paramount VB ☽	SeCan
<b>Canada Western Extra Strong</b>	
CDN Bison	Faurschou Farms Ltd. III
Glencross VB	Faurschou Farms Ltd. III

**WINTER WHEAT**

<b>Canada Western Red Winter</b>	
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AAC Elevate ☽	SeCan
AAC Gateway ☽	Seed Depot
AAC Goldrush ☽	FP Genetics
AAC Network ☽	SeedNet
AAC Overdrive ☽	SeCan
AAC Vortex ☽	Alliance Seed
AAC Wildfire ☽	SeCan
CDC Buteo	SeCan
Emerson ☽	CANTERRA SEEDS
Flourish	SeCan
Moats ☽	SeCan
<b>Canada Western Special Purpose</b>	
AAC Icefield ☽	FP Genetics
Broadview	CANTERRA SEEDS
CDC Falcon	SeCan
Peregrine	SeCan

**FALL RYE**

Danko	FP Genetics
Hazlet	SeCan
Prima	SeCan
<b>Hybrid Fall Rye</b>	
Brasetto	KWS Seeds Canada Ltd.
KWS Bono	KWS Seeds Canada Ltd.
KWS Daniello	KWS Seeds Canada Ltd.
KWS Gatano ☽	KWS Seeds Canada Ltd.
KWS Receptor ☽	KWS Seeds Canada Ltd.
KWS Sandor ☽	KWS Seeds Canada Ltd.
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Decker; Murray Farms Inc.....	204-764-2733	R C
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Stonewall; Unger Seed Farm Ltd. ....	204-467-8630	F

### AAC PRAIRIE

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### AAC SYNERGY

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### CANMORE

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### CDC COPELAND

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### CDC DURANGO

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Reinland; Ens Farms Ltd.....	204-325-4658	C
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Boissevain; Boissevain Select Seeds.....	204-534-6846	R
Boissevain; Boissevain Select Seeds.....	204-534-6846	F
Dauphin; Fisher Seeds Ltd.....	204-622-8800	R C
Glenboro; Jefferies Seeds.....	204-827-2102	C
Mac Gregor; Hulme Agra Products Inc.; Hulme, Lorne & Jared.....	204-871-4666	C
Minota; Walker, Alan Glen.....	204-567-3647	R
Morris; Hamblin, Donald & Bradley.....	204-209-0506	C
Morris; Horizon Agro Inc.....	204-746-2026	R
Oak Bank; Willowdale Seeds; Wyrich, Daniel.....	204-801-0659	C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	R
Reston; Avondale Seed Farm Ltd.....	204-877-3813	R
Rosenort; Friesen Seeds Ltd.....	204-746-8325	R C
Sanford; Bergen Seed Farm.....	204-736-2278	C
St Anne; Dueck, Jacob Eldon, Brian & Ken.....	204-371-7700	C
Ste. Rose Du Lac; PNR Farms Ltd.....	204-447-2118	C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	R
Virden; Clearview Acres Ltd.....	204-748-7666	C

**FURLONG**

Mac Gregor; Hulme Agra Products Inc.; Hulme, Lorne & Jared.....	204-871-4666	R
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**KALIO**

Morris; Horizon Agro Inc.....	204-746-2026	S R C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	S F R C

**ORE BOOST**

Carman; Menold Seed Farms; Menold, Ulrich, Tyler & Lucas.....	204-750-1095	S F
Crystal City; Buchanan, Kenneth, Jayden, & Dean.....	204-825-7151	S
Dufrost; Catellier, Patrick Raymond.....	204-746-4175	S
Kenton; Stevenson, Robert & Sidney.....	204-838-2012	F
Warren; Riddell Seed Co.....	204-227-5679	S

**ORE LEVEL48**

Morris; Red River Seeds Ltd.....	204-746-3059	C
Pilot Mound; Smith Family Seeds.....	204-825-2212	F

**ORE3541M**

Portage La Prairie; Sanderson, Garry.....	204-857-8406	R
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**OT6036**

Reinland; Ens Farms Ltd.....	204-325-4658	S F
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**PINNACLE**

Rosser; Krym Farms Ltd.....	204-467-9081	R C
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**SUMMIT**

Altona; Wiebe, Henry D. & Lloyd.....	204-324-7999	C
Brunkild; SKT Farms Inc.; Kaminsky, William.....	204-795-6507	C
Carman; RJP Seed Ltd.....	204-745-3304	C
Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena.....	204-736-2622	C

**OATS**

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

Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	R
Killarney; Chatham, Don, Linda & Cody.....	204-523-8412	R
Mac Gregor; Hulme Agra Products Inc.; Hulme, Lorne & Jared.....	204-871-4666	C
Minto; Southern Seed.....	204-776-2333	C
Navin; James Farms Ltd.; James, David.....	204-222-8785	C
Oakville; Miller Agritec Farm Inc.....	204-267-2363	C
Pilot Mound; Smith Family Seeds.....	204-825-2212	C
Rosenort; Friesen, Lloyd.....	204-746-5751	C
Sanford; Bergen Seed Farm.....	204-736-2278	R
Somerset; Sierens Seed Service.....	204-744-2883	R
St Anne; Dueck, Jacob Eldon, Brian & Ken.....	204-371-7700	C

**OATS****FALL RYE**

Hamiota; Knight Seeds; Knight, Ron & Jeff.....	204-764-2450	C
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**DANKO**

Brandon; Wheat City Seeds Ltd.....	204-727-3337	C
Carman; RJP Seed Ltd.....	204-745-3304	C
Holland; Kubinec, Anastasia.....	204-526-2776	C

**SPELT****CDC SILEX**

Reinland; Ens Farms Ltd.....	204-325-4658	F
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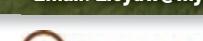
Where Purity meets performance

<b>WHEAT</b> AAC Brandon AAC Starbuck AAC Wheatland Prosper Faller SY Manness	<b>PEAS</b> AAC Carver AAC Lewchoko	<b>CANOLA</b> Clearfield & Liberty Link
<b>EDIBLE BEANS</b> Pinto, Navy, Black, and specialty bean seed.	<b>GRAIN &amp; SILAGE</b> <b>CORN</b> Thunder Seeds Pride Seeds	<b>SOYBEANS</b> A strong line up of GMO & Non-GMO varieties from Thunder Seeds, Sevita International, SeCan, and Pride.
<b>OATS</b> AAC Douglas Summit CDC Endure CS Camden	<b>FERTILIZER</b> Alpine starter & foliar fertilizer Direct to farm granular & liquid fertilizer	

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**Lloyd Wiebe**  
 Phone: 204-324-7999  
 Email: [Lloydw@mymts.net](mailto:Lloydw@mymts.net)

**Dylan Wiebe**  
 Phone: 204-304-0048  
 Email: [Ldseeds-dylan@outlook.com](mailto:Ldseeds-dylan@outlook.com)















the starter fertilizer company

## SPRING TRITICALE

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

<b>641512175</b>		
Reston; Avondale Seed Farm Ltd.....	204-877-3813	R
<b>SUNRAY</b>		C

## WINTER TRITICALE

<b>AB SNOWCAT</b>		
Reinland; Ens Farms Ltd.....	204-325-4658	R

## SPRING WHEAT

<b>AAC BRANDON</b>		
Altona; Fuchsmeier, Joni.....	204-324-3859	C
Altona; Wiebe, Henry D. & Lloyd.....	204-324-7999	C
Arborg; Harreg Farms; Johnson, Reginald, James & Tim	204-642-2570	C
Baldur; Jeff Parsonage.....	204-825-7885	R
Binscarth; Inland Seed Corp.....	204-683-2316	R C
Boissevain; Latimer, Kevin & Duane .....	204-534-8318	C
Brandon; Wheat City Seeds Ltd.....	204-727-3337	R
Brunkild; SKT Farms Inc.; Kaminsky, William .....	204-795-6507	R C
Carman; Menold Seed Farms; Menold, Ulrich, Tyler & Lucas .....	204-750-1095	F C
Carman; RJP Seed Ltd.....	204-745-3304	C
Cromer; Bartel Seeds.....	204-851-1390	C
Crystal City; Fallis, Allan & Mark .....	204-362-8986	R C
Darlingford; Morrow, Graham.....	204-638-7800	C
Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra .....	204-622-8800	C
Dauphin; Fisher Seeds Ltd.....	204-747-2913	C
Gilbert Plains; T & S Seeds.....	204 648 7070	C
Grandview; Triple S Seeds Ltd.....	204-638-2004	R
Holland; Patenaude Farms Inc.....	204-526-7212	R
Homewood; Agassiz Seed Farm.....	204-745-6655	C
Kenton; Stevenson, Richard D.O. & Douglas .....	204-573-3054	C
Kenton; Stevenson, Robert & Sidney .....	204-838-2012	C
Killarney; Chatham, Don, Linda & Cody .....	204-523-8412	C
Lowe Farm; MB Seeds Ltd, Sawatzky, Matt .....	204-746-4652	C
Mac Gregor; Hulme Agra Products Inc.; Hulme, Lorne & Jared .....	204-871-4666	R
Manitou; Sanders Seed Farm; Sanders, Andre, Daniel & Dylan .....	204-242-4200	R
Minto; Fraser Seeds Ltd.; Fraser, Rick.....	204-534-7458	C
Minto; Southern Seed .....	204-776-2333	C
Morris; Horizon Agro Inc.....	204-746-2026	C
Morris; Red River Seeds Ltd.....	204-746-3059	R
Newdale; Warehamdale Seeds Ltd.....	204-849-2029	C
Niverville; Prairie Sky Crop Solutions.....	204-388-4303	C
Notre Dame De Lourdes; Durand Seeds Inc. ....	204-248-2268	C
Oak Bluff; Gousseau Seed Farms Ltd.; Gousseau, Marcel .....	204-895-1357	R
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S
Oakville; Miller Agritec Farm Inc.....	204-267-2363	R C
Pilot Mound; Smith Family Seeds.....	204-825-2212	R C
Pilot Mound; Wallace Farms Ltd.; Wallace, Joe .....	204-825-4543	C
Plumas; Court Seeds Ltd.....	204-386-2354	C
Plumas; Tonn, Todd & Darren.....	204-386-2206	R
Portage La Prairie; Askin, Raymond & Jeffrey .....	204-856-3483	R C
Portage La Prairie; Sanderson, Garry .....	204-857-8406	C
Portage La Prairie; Sissons Farms Ltd.; Sissons, Blye.204-857-7341	S F R	
Reinland; Ens Farms Ltd.....	204-325-4658	R
Rivers; Krahn, Ronald & Robert .....	204-761-8702	C
Rivers; Redspur Enterprises.....	204-328-5346	C
Rosenort; Friesen Seeds Ltd. ....	204-746-8325	R C
Rossburn; Mitchell, John .....	204-859-2431	C
Sanford; Bergen Seed Farm.....	204-736-2278	F R
Somerset; Sierens Seed Service.....	204-744-2883	F R

## SPRING WHEAT

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

St Anne; Dueck, Jacob Eldon, Brian & Ken.....	204-371-7700	C
St. Joseph; Remillard Seed Farm .....	204-737-2376	C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	C
Warren; Riddell Seed Co.....	204-227-5679	R
Wawanese; Ellis Seeds; Ellis, Warren, Simon & Amanda.204-824-2290	C	

### AAC ELIE

Deloraine; Bolduc & Bell Farms .....	204-747-2913	C
Holland; Kubinec, Anastasia .....	204-526-2776	C

### AAC HOCKLEY

Arborg; Timchishen Seeds Farms.....	204-641-1288	F R
Binscarth; Inland Seed Corp.....	204-683-2316	R C
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	R C
Boissevain; Boissevain Select Seeds .....	204-534-6846	R
Carman; RJP Seed Ltd.....	204-745-3304	S F R C
Cromer; Bartel Seeds.....	204-851-1390	C
Dauphin; Fisher Seeds Ltd.....	204-622-8800	R
Decker; Murray Farms Inc.....	204-764-2733	F C
Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena .....	204-736-2622	S F R
Elphinstone; Gerrard, Jody .....	204-759-2213	R
Gilbert Plains; T & S Seeds .....	204 648 7070	C
Grandview; Triple S Seeds Ltd.....	204-638-2004	R C
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	R
Hamiota; Knight Seeds; Knight, Ron & Jeff.....	204-764-2450	R C
Inglis; Beischer Family Farm Seeds Ltd. ....	204-564-2676	C
Killarney; Bar H Agri Seeds.....	204-523-7464	C
Manitou; Sanders Seed Farm; Sanders, Andre, Daniel & Dylan .....	204-242-4200	S R
Minto; Southern Seed .....	204-776-2333	S C
Navin; James Farms Ltd.; James, David .....	204-222-8785	C
Newdale; Warehamdale Seeds Ltd.....	204-849-2029	C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S F R
Oakville; Miller Agritec Farm Inc.....	204-267-2363	R C
Plumas; Court Seeds Ltd.....	204-386-2354	C
Plumas; Tonn, Todd & Darren.....	204-386-2206	R C
Portage La Prairie; Askin, Raymond & Jeffrey .....	204-856-3483	C
Portage La Prairie; Sissons Farms Ltd.; Sissons, Blye.204-857-7341	S R	
Reinland; Ens Farms Ltd.....	204-325-4658	C
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C
Rivers; Redspur Enterprises.....	204-328-5346	C
Russell; Keating Seed Farms Inc.....	204-773-3854	C
Sanford; Bergen Seed Farm.....	204-736-2278	R
Somerset; Sierens Seed Service.....	204-744-2883	S F
Souris; Kohut, David Anton & Richard & Gregory & Katherine .....	204-483-3063	R C
St Anne; Dueck, Jacob Eldon, Brian & Ken.....	204-371-7700	C
Ste. Rose Du Lac; PNR Farms Ltd. ....	204-447-2118	R
Swan River; Swan Valley Seeds Ltd.; Alford, Wayne....204-734-8196	R	

### AAC PENHOLD

St Anne; Dueck, Jacob Eldon, Brian & Ken.....	204-371-7700	C
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### AAC REDBERRY

Hamiota; Rolling View Farms Inc.; Doupe, Neil.....	204-562-3632	C
Swan River; Oberlin Farms & Seed Services.....	204-734-2292	C

### AAC REDSTAR

Kenville; Carmichael, John.....	204-734-8683	R
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### AAC TISDALE

Swan River; Oberlin Farms & Seed Services.....	204-734-2292	C
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### AAC VIEWFIELD

Grandview; Triple S Seeds Ltd.....	204-638-2004	C
Rosenort; Friesen, Lloyd .....	204-746-5751	R C

### ACCELERATE

Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra .....	204-638-7800	C
Killarney; Chatham, Don, Linda & Cody .....	204-523-8412	R C
Morris; Horizon Agro Inc.....	204-746-2026	R
Pilot Mound; Wallace Farms Ltd.; Wallace, Joe .....	204-825-4543	R
Virden; Clearview Acres Ltd.....	204-748-7666	R

## SPRING WHEAT

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

<b>ALOTTA</b>		
Warren; Riddell Seed Co.....	204-227-5679	S
<b>BOLLES</b>		
Portage La Prairie; Pugh Seeds Ltd. ....	204-871-1467	R
Solsgirth; Nickel, James & John & Kevin & Gordon .....	204-773-6734	C
<b>CARDALE</b>		
Lowe Farm; MB Seeds Ltd, Sawatzky, Matt .....	204-746-4652	C
Portage La Prairie; Pugh Seeds Ltd. ....	204-871-1467	C
<b>CDC ENVY</b>		
Hamiota; Rolling View Farms Inc.; Doupe, Neil .....	204-562-3632	F
Holland; Kubinec, Anastasia .....	204-526-2776	R
Minto; Fraser Seeds Ltd.; Fraser, Rick.....	204-534-7458	S
<b>CDC SKRUSH</b>		
Portage La Prairie; Pugh Seeds Ltd. ....	204-871-1467	C
<b>CDN BISON</b>		
Portage La Prairie; Faurschou, David & Glenn .....	204-327-5725	R
<b>DAYBREAK</b>		
Morris; Horizon Agro Inc. ....	204-746-2026	R
Oak Bank; Willowdale Seeds; Wyrich, Daniel.....	204-801-0659	C
<b>FALLER</b>		
Darlingford; Morrow, Graham.....	204-362-8986	C
Mac Gregor; Hulme Agra Products Inc.; Hulme, Lorne & Jared .....	204-871-4666	C
Morris; Red River Seeds Ltd.....	204-746-3059	C

**High Value**

## Faller & Prosper Wheat

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

Walt Smith - Seed Depot	(204) 825-2000	Jeffries Seed Service	(204) 827-2102
Beischer Family Seeds	(204) 564-2676	LD Seeds	(204) 324-5798
Bergen Seed Farm	(204) 736-2278	MB Seeds Ltd.	(204) 746-4652
Boissevain Select Seeds	(204) 534-6846	Miller Agritec	(204) 267-2363
Clearview Acres Ltd.	(204) 748-2666	Nickel Bros.	(204) 773-6734
Court Seeds	(204) 386-2354	Parent Bros. Inc.	(204) 737-3000
Dauphin Plains Seeds Ltd.	(204) 638-7800	Pitura Seed Service Ltd.	(204) 736-2849
Durand Seeds Inc.	(204) 248-2268	R-Way Ag Ltd.	(866) 398-9643
Ellis Farm Supplies Ltd.	(204) 824-2290	Red River Seeds Ltd.	(204) 746-4779
Ens Quality Seed	(204) 325-4658	Redsper Enterprises Ltd.	(204) 328-5346
Fisher Seeds	(204) 622-8800	RJP Seed Ltd.	(204) 745-3304
Foster Ag Services Inc.	(204) 364-2358	Rutherford Farms Ltd.	(204) 467-5613
Friesen Seeds Ltd.	(204) 746-8325	Seine River Seed Farm Ltd.	(204) 355-4495
Gerrard Family Seeds	(204) 365-0321	Triple "S" Seed Ltd.	(204) 546-2590
Hulme Agra Products Inc.	(204) 685-2627	Unger Seed Farm Ltd.	(204) 467-8630
J.S. Henry & Son Ltd.	(204) 566-2422	Wheat City Seeds Ltd.	(204) 727-3337
James Farms Ltd.	(204) 222-8785	Willodale Seeds	(204) 801-0659
Janzen Seeds	(204) 829-7749	Wilson Seeds Ltd.	(204) 246-2119
		Zeghers Seed Farm	(204) 526-2145

Our dealer network is your source for high quality seed.  
[www.seeddepot.ca](http://www.seeddepot.ca)

**2016 Seed MB Data**

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

**Yield MB 2016**

Location	Yield MB 2016
Brandon	58
Faller	70
Prosper	61
Elgin - ND	61
Pasteur	63

*Working Hard ... to Earn Your Trust!*

CEREAL CROPS

## SPRING WHEAT

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

Oak Bank; Willowdale Seeds; Wyrich, Daniel.....	204-801-0659	C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	C
Oakville; Miller Agritec Farm Inc. ....	204-267-2363	C
Pilot Mound; Smith Family Seeds.....	204-825-2212	C
Rosenort; Friesen Seeds Ltd. ....	204-746-8325	C
St Anne; Dueck, Jacob Eldon, Brian & Ken.....	204-371-7700	C

### PROSPER

Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C
Morris; Red River Seeds Ltd.....	204-746-3059	C
Oak Bank; Willowdale Seeds; Wyrich, Daniel.....	204-801-0659	C
Pilot Mound; Seed Depot Corporation .....	204-825-2000	C
Pilot Mound; Smith Family Seeds.....	204-825-2212	C

### SY MANNESS

Altona; Wiebe, Dylan.....	204-304-0048	R
Altona; Wiebe, Henry D. & Lloyd.....	204-324-7999	R
Arborg; Timchishen Seeds Farms.....	204-641-1288	S F R C
Boissevain; Boissevain Select Seeds .....	204-534-2566	R
Brunkild; SKT Farms Inc.; Kaminsky, William .....	204-795-6507	C
Carman; RJP Seed Ltd. ....	204-745-3304	R
Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra .....	204-638-7800	C
Dauphin; Fisher Seeds Ltd. ....	204-622-8800	R
Decker; Murray Farms Inc. ....	204-764-2733	S R
Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena .....	204-736-2622	S F R
Elphinstone; Gerrard, Jody .....	204-759-2213	R
Gilbert Plains; T & S Seeds.....	204 648 7070	R C
Glenboro; Jefferies Seeds.....	204-827-2102	R
Grandview; Triple S Seeds Ltd.....	204-638-2004	R

Our dealer network is your source for high quality seed.

[www.seeddepot.ca](http://www.seeddepot.ca)

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45

## SPRING WHEAT

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

Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	R
Hamiota; Knight Seeds; Knight, Ron & Jeff.....	204-764-2450	R
Inglis; Beischer Family Farm Seeds Ltd. ....	204-564-2676	C
Manitou; Sanders Seed Farm; Sanders, Andre, Daniel & Dylan .....	204-242-4200	R
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	R
Pilot Mound; Smith Family Seeds.....	204-825-2212	R
Plumas; Court Seeds Ltd.....	204-386-2354	R
Rosenort; Friesen, Lloyd.....	204-746-5751	S F C
Russell; Keating Seed Farms Inc.....	204-773-3854	C
Sanford; Bergen Seed Farm.....	204-736-2278	S R
Somerset; Sierens Seed Service.....	204-744-2883	R
Souris; Kohut, David Anton & Richard & Gregory & Katherine .....	204-483-3063	R C

### SY ROWYN®

Homewood; Agassiz Seed Farm.....	204-745-6655	F
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### SY TORACH®

Elphinstone; Gerrard, Jody .....	204-759-2213	C
Sanford; Bergen Seed Farm.....	204-736-2278	R
Virden; Clearview Acres Ltd. ....	204-748-7666	C

### WPB WHISTLER®

Rivers; Redspur Enterprises.....	204-328-5346	C
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## SPRING WHEAT - MIDGE TOLERANT

### AAC BROADACRES® - AAC BRANDON®

Reston; Avondale Seed Farm Ltd. ....	204-877-3813	C
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### AAC CAMERON® - CARBERRY®

Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra .....	204-638-7800	S
Reston; Avondale Seed Farm Ltd. ....	204-877-3813	C

### AAC DARBY - AAC HASSSLER® - ®

Russell; Keating Seed Farms Inc. ....	204-773-3854	R
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### AAC HODGE® - AAC HOCKLEY®

Binscarth; Inland Seed Corp.....	204-683-2316	R
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	R C
Boissevain; Boissevain Select Seeds .....	204-534-6846	R
Cromer; Bartel Seeds.....	204-851-1390	R
Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena .....	204-736-2622	S F R
Glenboro; Jefferies Seeds.....	204-827-2102	C
Grandview; Triple S Seeds Ltd. ....	204-638-2004	R C
Hamiota; Knight Seeds; Knight, Ron & Jeff.....	204-764-2450	R C
Inglis; Beischer Family Farm Seeds Ltd. ....	204-564-2676	R
Killarney; Bar H Agri Seeds.....	204-523-7464	C
Mac Gregor; Hulme Agra Products Inc.; Hulme, Lorne & Jared .....	204-871-4666	R
Manitou; Sanders Seed Farm; Sanders, Andre, Daniel & Dylan .....	204-242-4200	C
Newdale; Warehamdale Seeds Ltd. ....	204-849-2029	C
Plumas; Court Seeds Ltd.....	204-386-2354	C
Plumas; Tonn, Todd & Darren.....	204-386-2206	R C
Reston; Avondale Seed Farm Ltd. ....	204-877-3813	C
Rivers; Redspur Enterprises.....	204-328-5346	R
Rosenort; Friesen, Lloyd.....	204-746-5751	S F
*Russell; Keating Seed Farms Inc. ....	204-773-3854	R C
Somerset; Sierens Seed Service.....	204-744-2883	C
Souris; Kohut, David Anton & Richard & Gregory & Katherine .....	204-483-3063	C
Ste. Rose Du Lac; PNR Farms Ltd. ....	204-447-2118	R
Swan River; Swan Valley Seeds Ltd.; Alford, Wayne....	204-734-8196	R

## SPRING WHEAT - MIDGE TOLERANT

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### AAC LEROY® - AAC REDBERRY®

Boissevain; Boissevain Select Seeds .....	204-534-6846	C
Elphinstone; Gerrard, Jody .....	204-759-2213	C
Hamiota; Rolling View Farms Inc.; Doupe, Neil .....	204-562-3632	R C
Holland; Kubinec, Anastasia .....	204-526-2776	C
Homewood; Agassiz Seed Farm.....	204-745-6655	C
Minto; Fraser Seeds Ltd.; Fraser, Rick.....	204-534-7458	C
Swan River; Oberlin Farms & Seed Services.....	204-734-2292	C

### AAC STARBUCK® - AAC BRANDON®

Altona; Fuchsmeier, Joni.....	204-324-3859	C
Altona; Sawatzky, John .....	204-324-4018	C
Altona; Wiebe, Henry D. & Lloyd.....	204-324-7999	S F R
Baldur; Jeff Parsonage.....	204-825-7885	C
Binscarth; Inland Seed Corp.....	204-683-2316	R C
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C
Boissevain; Boissevain Select Seeds .....	204-534-6846	R
Brandon; Wheat City Seeds Ltd. ....	204-727-3337	R
Brunkild; SKT Farms Inc.; Kaminsky, William .....	204-795-6507	R
Carman; Menold Seed Farms; Menold, Ulrich, Tyler & Lucas .....	204-750-1095	F
Carman; Menold, Thomas.....	204-750-2682	C
Cooks Creek; Saramaga, Robert & Andrew .....	204-771-0951	R
Crystal City; Fallis, Allan & Mark .....	204-638-7800	C
Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra .....	204-622-8800	C
Dauphin; Fisher Seeds Ltd.....	204-746-4175	R
Dufrost; Catellier, Patrick Raymond .....	204-746-4175	R
Dufrost; R & R Catellier Farms .....	204-827-2102	R
Elm Creek; Grey Seed Farm Ltd.; W. Runne Ltd. ....	204-436-3321	C
Elphinstone; Gerrard, Jody .....	204-759-2213	C
Gilbert Plains; T & S Seeds .....	204-648-7070	C
Glenboro; Jefferies Seeds.....	204-467-5613	R C
Hamiota; Knight Seeds; Knight, Ron & Jeff.....	204-764-2450	C
Hamiota; Rolling View Farms Inc.; Doupe, Neil .....	204-562-3632	C
Holland; Vigar, Murray & Gary .....	204-745-6655	R
Homewood; Agassiz Seed Farm.....	204-838-2012	C
Kenton; Stevenson, Robert & Sidney .....	204-523-7464	R
Lowe Farm; MB Seeds Ltd; Sawatzky, Matt .....	204-746-4652	C
Mac Gregor; Hulme Agra Products Inc.; Hulme, Lorne & Jared .....	204-871-4666	R C
Minota; Walker, Alan Glen .....	204-567-3647	C
Morden; Wilson, James M. ....	204-362-2449	R C
Morris; Hamblin, Donald & Bradley.....	204-209-0506	R
Navin; James Farms Ltd.; James, David .....	204-222-8785	C
Newdale; Warehamdale Seeds Ltd. ....	204-849-2029	R
Notre Dame De Lourdes; Durand Seeds Inc. ....	204-248-2268	S F R
Notre Dame De Lourdes; Durand, Leo .....	204-248-2372	C
Oak Bluff; Gousseau Seed Farms Ltd.; Gousseau, Marcel .....	204-895-1357	C
Oak River; J.S.Henry & Son Ltd. ....	204-566-2422	S F R
Oakville; Miller Agritec Farm Inc. ....	204-267-2363	C
Pilot Mound; Smith Family Seeds.....	204-825-2212	C
Plumas; Tonn, Todd & Darren.....	204-386-2206	S F R
Portage La Prairie; Askin, Raymond & Jeffrey .....	204-856-3483	C
Portage La Prairie; Sanderson, Garry .....	204-857-8406	F C
Portage La Prairie; Sissons Farms Ltd.; Sissons, Blye. ....	204-857-7341	F
Reinland; Ens Farms Ltd. ....	204-325-4658	R
Reston; Avondale Seed Farm Ltd. ....	204-877-3813	R C
Rivers; Redspur Enterprises.....	204-328-5346	C
Rosenort; Friesen Seeds Ltd. ....	204-746-8325	C
Sanford; Bergen Seed Farm.....	204-736-2278	F
Solsgirth; Nickel, James & John & Kevin & Gordon .....	204-773-6734	C
Somerset; Sierens Seed Service.....	204-744-2883	C
St. Leon; Labossiere, Luc & Rejean .....	204-825-7249	R
Ste. Rose Du Lac; PNR Farms Ltd. ....	204-447-2118	C
Stonewall; Unger Seed Farm Ltd. ....	204-467-8630	R
Virden; Clearview Acres Ltd. ....	204-748-7666	R C
Virden; Hutchison, Barry .....	204-851-6157	C
Warren; Jones, Gavin .....	204-322-5604	R
Warren; Riddell Seed Co. ....	204-227-5679	R
Wawanese; Ellis Seeds; Ellis, Warren, Simon & Amanda. ....	204-824-2290	C

## SPRING WHEAT - MIDGE TOLERANT

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

### AAC WHEATLAND® - AAC BRANDON®

Altona; Wiebe, Henry D. & Lloyd.....	204-324-7999	C
Binscarth; Inland Seed Corp.....	204-683-2316	C
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C
Boissevain; Boissevain Select Seeds .....	204-534-6846	R
Boissevain; Martens, Ben & John & Ryan .....	204-534-6952	C
Brandon; Wheat City Seeds Ltd. ....	204-727-3337	S F
Darlingford; Morrow, Graham.....	204-362-8986	R
Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra .....	204-638-7800	C
Decker; Murray Farms Inc.....	204-764-2733	R
Elphinstone; Gerrard, Jody .....	204-759-2213	C
Foxwarren; Falloon, Larry.....	204-683-2247	C
Gilbert Plains; T & S Seeds.....	204 648 7070	R C
Grandview; Triple S Seeds Ltd.....	204-638-2004	C
Inglis; Beischer Family Farm Seeds Ltd. ....	204-564-2676	C
Kenton; Stevenson, Richard D.O. & Douglas .....	204-573-3054	C
Kenton; Stevenson, Robert & Sidney .....	204-838-2012	R
Kenville; Carmichael, John.....	204-734-8683	R C
Killarney; Chatham, Don, Linda & Cody .....	204-523-8412	C
Manitou; Sanders Seed Farm; Sanders, Andre, Daniel & Dylan .....	204-242-4200	C
Mather; Mc Lennan Farms Ltd.....	204-529-2372	C
Minota; Walker, Alan Glen .....	204-567-3647	R C
Minto; Fraser Seeds Ltd.; Fraser, Rick.....	204-534-7458	R C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S F R
Pilot Mound; Smith Family Seeds.....	204-825-2212	R C
Pilot Mound; Wallace Farms Ltd.; Wallace, Joe .....	204-825-4543	R
Reinland; Ens Farms Ltd.....	204-325-4658	R

## SPRING WHEAT - MIDGE TOLERANT

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

Russell; Keating Seed Farms Inc.....	204-773-3854	C
Solsgirth; Nickel, James & John & Gordon .....	204-773-6734	R
St. Leon; Labossiere, Luc & Rejean.....	204-825-7249	C
Swan River; Badowski, Dennis .....	204-734-6222	C
Treherne; Stinson Seeds .....	204-526-5351	C
Wawanesa; Ellis Seeds; Ellis, Warren, Simon & Amanda. ....	204-824-2290	F R C

## WINTER WHEAT

### AAC VORTEX®

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

### AAC WILDFIRE®

Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena ..... 204-736-2622 | C |

Minto; Southern Seed ..... 204-776-2333 | C |

Plumas; Court Seeds Ltd. .... 204-386-2354 | R C |

Plumas; Tonn, Todd & Darren..... 204-386-2206 | R |

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

### EMERSON®

Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra ..... 204-638-7800 | C |

Mac Gregor; Hulme Agra Products Inc.; Hulme, Lorne & Jared ..... 204-871-4666 | C |



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your retailer today.



# Oilseed Crops

## Variety Description Key

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

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

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

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

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

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

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

## Key to 2023 Yield Tables

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

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

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

## Canola & Soybean Comments

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

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



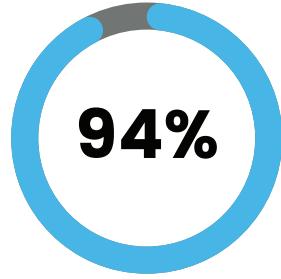
# The Future of Independent Canola Variety Testing in Manitoba

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

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

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

**"It's the only way to get a good idea of all the varieties available across companies."**



**94%**

**Independent variety trial data is influential in respondents' canola purchasing decisions**

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

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

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



# Manitoba Agriculture Variety Guide

## CANOLA

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

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

Data donated by the Canola Performance Trials (CPT) Committee for Manitoba sites. For more information visit [www.canolaperformancetrials.ca](http://www.canolaperformancetrials.ca).

North Dakota State University (NDSU) Canola Variety Trials from 2023 season have been included due to no Manitoban trials in 2023.

Site of NDSU Variety Trials was the NDSU Langdon Research Extension Center in Langdon, North Dakota. To see full NDSU reports, please visit <https://www.ag.ndsu.edu/varietytrials/canola>.

### Comments:

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

### Blackleg Resistance

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

### Clubroot Resistance

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

For further information on clubroot resistance labels, please visit [www.clubroot.ca](http://www.clubroot.ca), refer to the company website, or speak with your seed representative.

### Pod Shatter Resistance

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

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

## LIBERTY LINK CANOLA

### Variety Description

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

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

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

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

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

**CANOLA (continued)****ROUNDUP READY CANOLA****Variety Description**

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

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

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

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

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

**TRUFLEX CANOLA****Variety Description**

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

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

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

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

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

**CLEARFIELD CANOLA****Variety Description**

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

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

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

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

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

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## CANOLA (continued)

### Yield Comparisons 2022

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

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

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

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

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

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

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

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

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

## CANOLA (continued)

### NDSU Yield Comparisons 2023

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

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

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

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

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

Planting Date: May 25, 2023

Harvest Date: September 1, 2023

Previous Crop: Soybeans

Soil Type: Svea-Barnes loam

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

2 Average of 2022 and 2023 data

3 Average of 2020, 2022 and 2023 data

4 Registered in Canada as PV 611 LCM

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

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

Planting Date: May 25, 2023

Harvest Date: September 1, 2023

Previous Crop: Soybean

Soil Type: Svea-Barnes loam

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

2 Average of 2022 and 2023 data

3 Registered in Canada as PV 781 TCM

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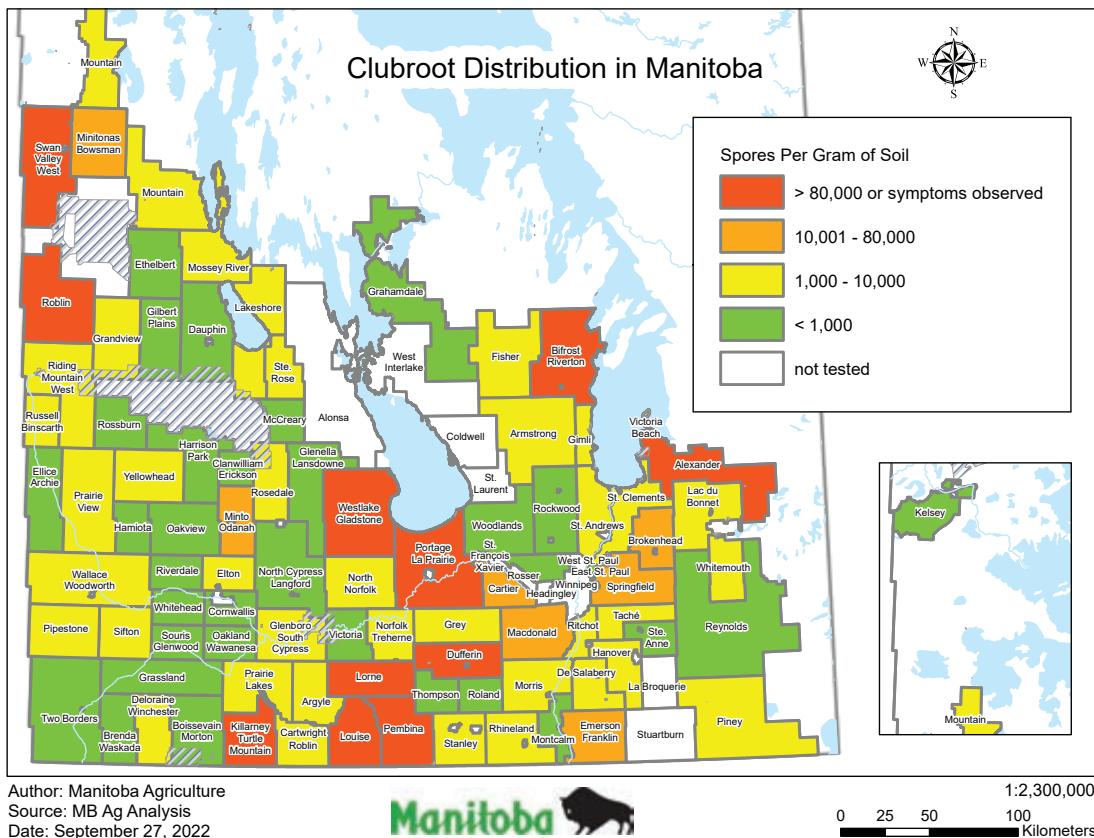
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## CANOLA (continued)

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### Clubroot Spore Concentration Map

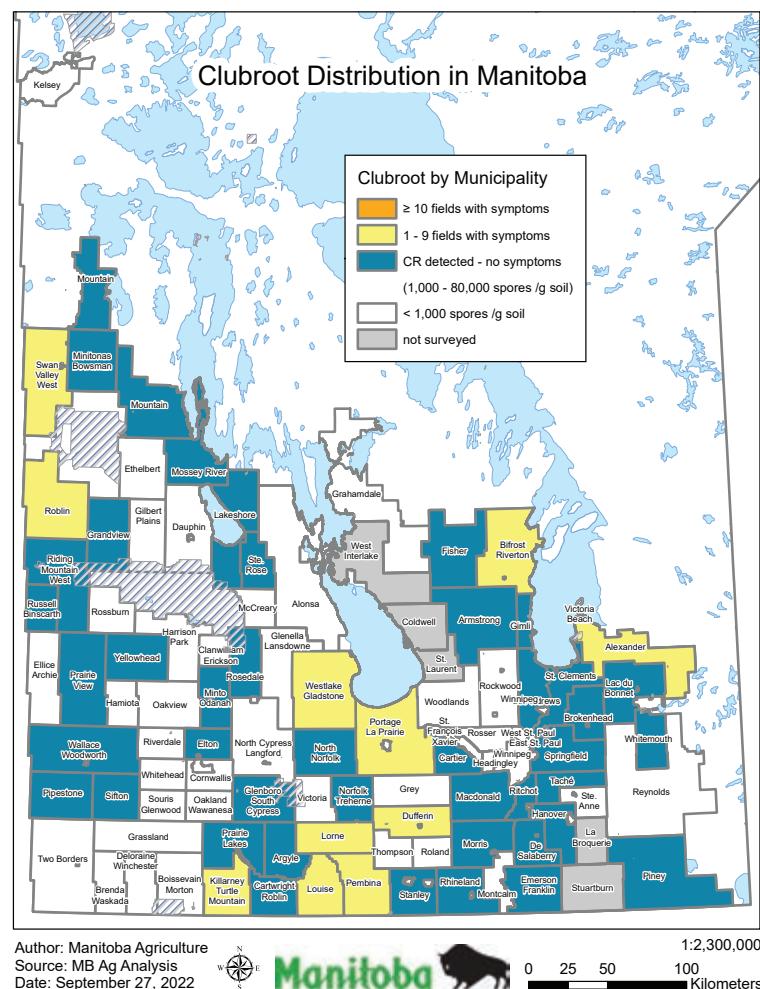
(Above):

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

### Prairie-Harmonized Clubroot Distribution Map

(Right):

This alternative depiction of clubroot distribution situation in Manitoba uses the same data as the clubroot spore concentration map. How do the two maps differ? – Primarily in the number of categories. Another difference is that the alternative map identifies how many fields within an RM have had documented symptomatic cases (galls on canola roots), rather than the number of clubroot spores detected in the soil. Thus far, no Manitoba RMs have had 10 or more fields identified. This map is useful for those who farm and/or advise growers on either side of the Manitoba-Saskatchewan border.



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# FLAX

New for 2024

Variety	Code	Breeder	Distributor	Seed Availability
CDC Esme	FP2591	Crop Development Centre	SeCan	2025

## Comments:

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

MCVET flax testing was done in partnership with the University of Saskatchewan Crop Development Centre across all three Prairie Provinces in 2023.

All varieties are immune to rust.

All varieties are susceptible to pasmo.

## Variety Descriptions

Variety	Site Years Tested	Maturity Yield bu/acre	Height +/- 102 days	Height +/- 68 cm	Seed Color	Seed Size TSW	Oil Quality <sup>1</sup> :		Resistance Level:		
							Oil Content	Iodine Number	ALA Content	Lodging <sup>2</sup>	Fusarium Wilt
AAC Bravo	30	34	1	0	brown	6.4	44.6	194.0	60.2	G	MR
AAC Bright	15	36	2	0	yellow	5.6	48.8	192.1	56.2	G	MR
AAC Marvelous	19	37	2	0	brown	5.8	47.1	192.1	55.8	G	MR
CDC Bethune	84	34	0	0	brown	5.8	45.6	188.6	54.7	G	MR
CDC Dorado	19	32	-1	-5	yellow	5.9	46.6	206.6	65.8	FG	MR
CDC Esme	10	37	2	-2	brown	6.3	44.5	192.0	57.1	G	MR
CDC Glas	42	36	1	3	brown	5.2	45.8	192.0	56.6	G	MR
CDC Kernen	18	37	1	0	brown	6.5	45.4	191.6	57.3	VG	MR
CDC Neela	24	35	1	3	brown	5.7	45.5	194.4	59.1	G	MR
CDC Plava	21	35	-2	-3	brown	5.7	46.5	195.5	57.2	G	MR
CDC Rowland	28	38	4	0	brown	6.8	45.2	195.1	59.2	G	MR
CDC Sorrel	56	34	1	3	brown	6.4	45.1	192.7	57.8	F	MR
Hanley	30	32	-2	-5	brown	5.7	44.7	197.7	58.6	VG	R
Topaz	12	33	0	0	brown	5.8	45.9	188.2	54.4	G	MR
VT50	28	34	4	-5	yellow	5.1	47.1	209.4	67.6	VG	MR
WestLin 70	12	33	2	5	brown	6.4	45.8	194.5	61.9	G	MR
WestLin 71	15	34	2	-5	brown	5.6	47.5	198.1	61.2	G	MR
WestLin 72	29	34	3	-3	brown	5.4	47.0	192.8	57.0	VG	MR
<b>GRAND MEAN (bu/acre)</b>		36									
<b>LSD (p&lt;0.05)</b>		2									

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

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

## Yield Comparisons

VARIETY	2023 Yield (bu/acre)				
	Arborg	Carberry	Melita	Rosenort	Stonewall
AAC Bright	15	29	42	19	—
CDC Esme	18	28	45	20	43
CDC Glas	17	29	48	18	46
CDC Kernen	21	26	46	19	41
CDC Rowland	—	29	54	21	44
<b>SITE GRAND MEAN (bu/acre)</b>	17	29	45	18	43
CV %	11.0	11.4	8.1	13.9	4.8
LSD (bu/acre)	3	—	6	4	—
Sign Diff	yes	no	yes	yes	no
<b>Seeding Date</b>	15-May	16-May	14-May	16-May	29-May
<b>Harvest Date</b>	26-Sep	18-Sep	17-Aug	18-Sep	20-Sep



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# SOYBEANS

## NOTES FOR ALL SOYBEAN TABLES

### Maturity Notes:

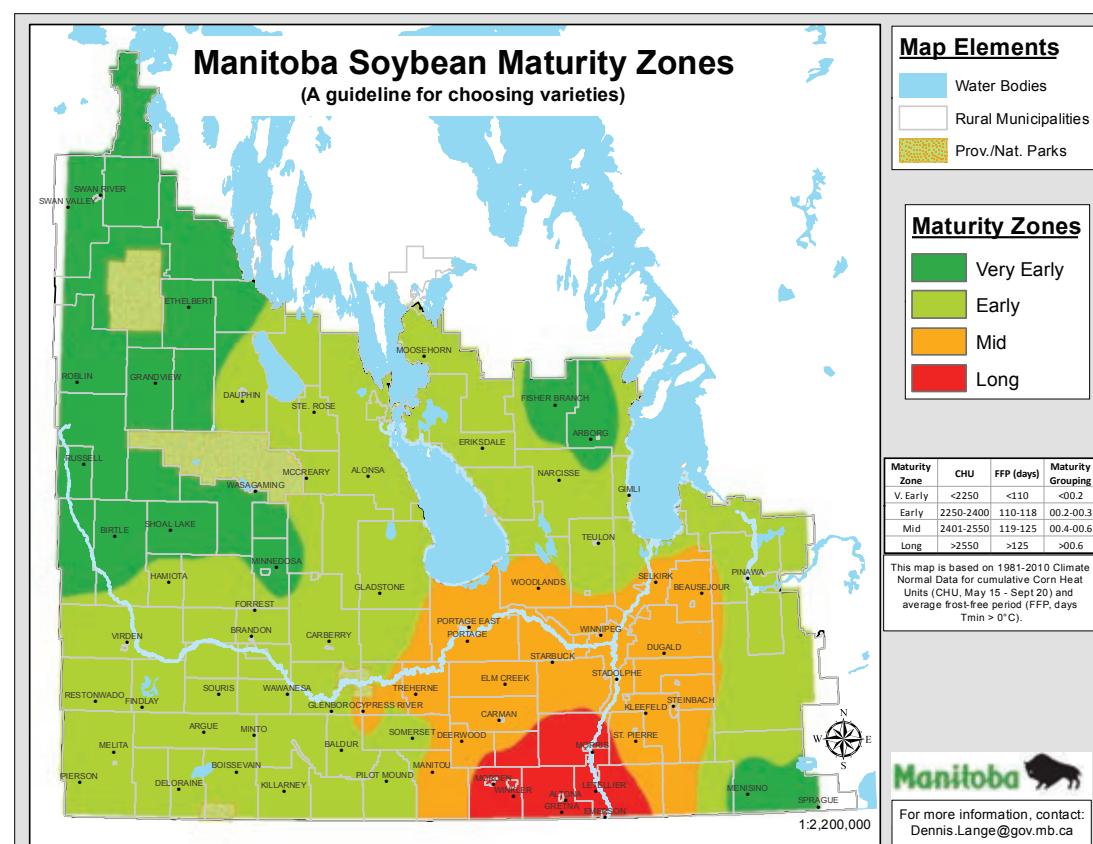
- 1 Soybean varieties have been organized into 4 maturity zones - very early, early, mid and long season areas.
- 2 Maturity grouping is a ranking of maturity provided by seed suppliers. Rankings are assigned to assist growers in selecting varieties suited for their area.
- 3 Relative days to maturity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

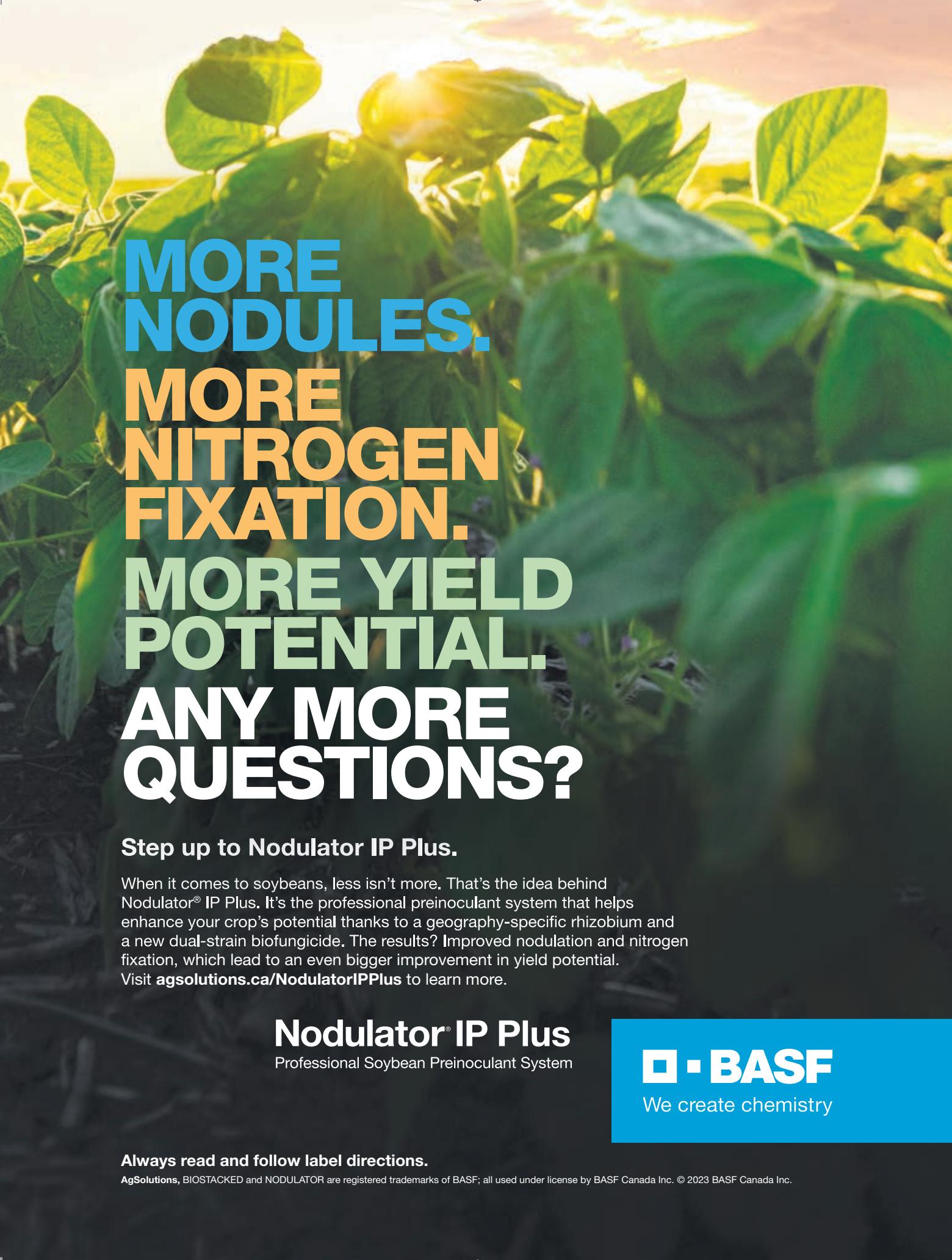
### General Notes:

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

## MANITOBA SOYBEAN MATURITY MAP

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





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# WESTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

## Comments:

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

## Variety Descriptions

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

1 Relative days to maturity based on multiple year average.

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

3 SCN - Soybean Cyst Nematode Resistance

4 PRR-Phytophthora Race Specific Resistant Genes



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# EASTERN MANITOBA CONVENTIONAL SOYBEANS

## Comments:

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

## Variety Descriptions

Maturity Zone	Variety	Yield % Check	Site Years Tested	Maturity (days) <sup>1</sup> +/- of Check	Hilum Colour	IDC <sup>2</sup> Rating/Group
Very Early Season Zone	AAC Hallie® Siberia	89 92	19 19	-8 -6	Y IY	1.8 / ST 2.0 / ST
Early Season Zone	Amistar	94	9	-4	Y	1.8 / ST
	Rosser	95	16	-3	IY	1.9 / ST
	Prostar®	94	9	-2	Y	1.9 / ST
	Howden	101	10	-2	IY	2.1 / ST
	Reynolds	93	19	0	IY	2.1 / ST
	Liska®	100	19	0	IY	2.3 / S
	Kebek	94	19	0	Y	1.7 / T
	Abaca®	113	14	0	IY	1.8 / ST
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
CRGS 21.3						
OT23-01						
PR190209-11						
OT22-04						
CRGS 18.1						
OT23-02						
OT23-03						
Mid Season Zone	Jador	103	6	1	Y	1.7 / ST
	Mozart	102	8	2	Y	2.0 / ST
	Koa®	100	3	2	IY	1.7 / T
	Dufferin	99	7	2	IY	2.0 / ST
	Aureolina®	105	14	3	IY	1.9 / ST
	Maya®	89	8	4	Y	1.7 / T
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
OT20-06						
Long Season Zone	Jago	103	16	5	Y	2.3 / S
	Hana	97	5	6	Y	2.0 / ST
	Stanley	101	11	6	IY	2.1 / ST
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
SVX23T00S48						
SVX24T00S64						
PR171862Z-02						
DL21-3007						
CRGS 16.1						
SVX24T00S65						
<b>CHECK CHARACTERISTICS</b>						
Liska						
		50	19	118		
		bu/acre	site years	days		

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

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

**(continued) EASTERN MANITOBA CONVENTIONAL SOYBEANS**

**Yield Comparisons**

Maturity Zone	Variety	2023 Yield: % of Liska				
		Early Sites			Core Sites	
		Arborg	Beausejour	Stonewall	Carman	St. Adolphe
Very Early	AAC Halli®	99	102	94	72	89
Season Zone	Siberia	108	100	60	85	92
Early Season Zone	Amistar	102	91	89	86	93
	Rosser	101	108	94	92	91
	Prostar®	93	93	88	88	94
	Howden	110	99	95	95	87
	Reynolds	110	92	93	89	97
	Liska®	100	100	100	100	100
	Kebek	82	104	95	85	94
	Abaca®	116	125	115	109	108
	CRGS 21.3	97	91	90	76	94
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
Mid Season Zone	OT23-01	112	101	106	90	105
	PR190209-11	106	103	85	100	103
	OT22-04	106	109	101	99	99
	CRGS 18.1	116	113	95	96	103
	OT23-02	97	102	96	94	100
	OT23-03	110	102	118	96	108
<b>Experimental lines that are being tested / proposed for registration in Canada</b>						
Long Season Zone	OT20-06	—	—	—	108	118
	Jago	96	115	110	109	108
	Hana	—	—	—	102	96
	Stanley	—	—	—	111	100
	<b>Experimental lines that are being tested / proposed for registration in Canada</b>					
	SVX23T00S48	116	120	114	108	98
Check Characteristics	SVX24T00S64	114	109	99	95	105
	PR171862Z-02	—	—	—	94	92
	DL21-3007	104	103	109	116	90
	CRGS 16.1	101	94	101	101	100
	SVX24T00S65	116	108	110	105	107
	<b>Liska (bu/acre)</b>	60	56	45	57	54
<b>CV %</b>		8.2	8.2	5.9	5.9	5.2
<b>LSD%</b>		14	14	10	9	8
<b>Sign Diff</b>		Yes	Yes	Yes	Yes	Yes
<b>Seeding Date</b>		15-May	23-May	22-May	24-May	23-May
<b>Harvest Date</b>		27-Sep	16-Oct	27-Sep	10-Oct	27-Sep

# WESTERN MANITOBA CONVENTIONAL SOYBEANS

## Comments:

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

## Variety Descriptions

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

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

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# EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

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

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## Variety Descriptions

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

(continued) EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

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

1 R2X -Xtend technology (dicamba and glyphosate), R2Y-Roundup-Ready 2 technology (glyphosate only), RR1 - Roundup Ready 1 technology (glyphosate), E3 Enlist (glyphosate,2-4D,glufosinate), WPX-Blended Variety Extend Tolerant (glyphosate, dicamba), R2XF Extend Flex Technology (glyphosate,dicamba,glufosinate)

2 Maturity Ratings are averaged across Carman, Morris, Portage, St. Adolphe sites over multiple years

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

4 SCN -Soybean Cyst Nematode Resistance

5 PRR-Phytophthora Race Specific Resistant Genes

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# EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

## Yield Comparisons

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

(continued) EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

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

## **SUNFLOWERS – CONFECTIONARY TYPE**

### Comments:

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

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

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

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

### Variety Descriptions

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

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

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

3 Totals may not add to 100% due to rounding; information based off two sites at Elm Creek and Rossendale.

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

## SUNFLOWERS – CONFECTIONARY TYPE (continued)

### Site Comparisons

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

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

2 Totals may not add to 100% due to rounding

3 Test weights are reported in lbs per Avery (Canadian) bushel.

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

## SUNFLOWERS – OIL TYPE

### Comments:

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

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

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

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

### Variety Descriptions

Company	Variety	Herbicide/Disease Tolerance <sup>1</sup>	Site Years	Yield (% check)	Maturity <sup>2</sup> (+/- check)	Height (inches)	% Oil	Oil Type <sup>3</sup>	Test Weight <sup>4</sup>
WinField United   CROPLAN	CP432E	ExSun	12	108	0	-1	44.3	NS	29.2
WinField United   CROPLAN	CP455E	ExSun	12	120	4	0	44.8	HO	28.5
Nuseed	N4H161 CL	CL/ExSun	10	102	-8	-11	44.3	HO	30.2
Nuseed	N4H302 E	ExSun	16	96	-1	0	44.8	HO	28.1
Nuseed	N4HM354	CL	19	114	-2	-6	47.5	NS	32.7
Pioneer Hi-Bred	P63HE501	ExSun	12	107	0	1	43.2	HO	29.0
Pioneer Hi-Bred	P63HE60	ExSun / DM	22	99	-2	-2	45.4	HO	30.9
Pioneer Hi-Bred	P63ME80	ExSun / DM	25	100	0	0	47.9	NS	30.5
Nuseed	Talon	ExSun/DM	25	103	-2	-2	44.1	NS	27.8
<b>Experimental lines tested/proposed for registration in Canada</b>									
RAGT SEMENCES	AC2301	CL Plus	3	108	5	3	44.2	HO	27.5
Nuseed	N4H202 E	ExSun	3	103	5	-5	47.2	NS	27.8
Nuseed	N4L215 E	ExSum	3	106	1	-6	45.9	NS	27.7
NorthStar Genetics	NSC-SF83	—	3	105	2	2	44.5	NS	31.3
NorthStar Genetics	NSC-SF92	—	3	133	7	6	44.0	NS	30.3
Pioneer Hi-Bred	P63HE920	ExSun	6	107	6	0	43.5	HO	30.9
<b>CHECK CHARACTERISTICS</b>									
P63ME80			25	2805	125	62			
			site years	lb/acre	days	inches			

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

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

3 Oil Type include NS=NuSun; HO=High Oleic; CO = ConOil

4 Test weights reported in lbs per Avery (Canadian) bushel.

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

**Site Comparisons**

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

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

2 Test weights are reported in lbs per Avery (Canadian) bushel.

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

# Distributor Contacts for Listed Varieties in Seed Manitoba 2024

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

O  
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## CANOLA

1028 RR	BREVANT seeds
233P	BASF   InVigor
45CM39	Pioneer brand Seed
45H42	Pioneer brand Seed
45M35	Pioneer brand Seed
B2030MN	BREVANT seeds
B3010M	BREVANT seeds
B3011	BREVANT seeds
BY 5125CL	BrettYoung
BY 6207TF	BrettYoung
BY 6211TF	BrettYoung
CP21L3C	WinField United   CROPLAN
CP21T3P	WinField United   CROPLAN
CS2500 CL	CANTERRA SEEDS
CS2600 CR-T	CANTERRA SEEDS
CS2700 CL	CANTERRA SEEDS
CS3000	CANTERRA SEEDS
CS3100	CANTERRA SEEDS
CS4000 LL	CANTERRA SEEDS
D3158CM	BREVANT seeds
PV 661 LCM	Nutrien Ag Solutions   Proven Seed
PV 781 TCM	Nutrien Ag Solutions   Proven Seed
DK900TF	DEKALB
DKLL 82 SC	DEKALB
DKTF 97 CRSC	DEKALB
DKTF 98 CR	DEKALB
DKTF 99 SC	DEKALB
DKTFL2 21 SC	DEKALB
DKTFL21SC	DEKALB
L233P	BASF   InVigor
L340PC	BASF   InVigor
L343PC	BASF   InVigor
L345PC	BASF   InVigor
L350PC	BASF   InVigor
L356PC	BASF   InVigor
LR344PC	BASF   InVigor
LR354PC	BASF   InVigor
NC471 TF	Nuseed
NC527CR TF	Nuseed
P501L	Pioneer brand Seed
P505MSL	Pioneer brand Seed
P506ML	Pioneer brand Seed
P508MCL	Pioneer brand Seed
P511G	Pioneer brand Seed
P607CL	Pioneer brand Seed
P612L	Pioneer brand Seed
PV 280 CLC	Nutrien Ag Solutions   Proven Seed
PV 761 TM	Nutrien Ag Solutions   Proven Seed
V25-3T	Cargill
V25-5T	Cargill

## FLAX

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

## FLAX

NuLin VT 50	Nutrien Ag Solutions   Proven Seed
Prairie Blue	SeCan
Prairie Grande	SeCan
Prairie Sapphire	Alliance Seed
Prairie Thunder	CANTERRA SEEDS
Taurus	FP Genetics
Topaz	Alliance Seed
Vimy	SeCan
WestLin 60	Nutrien Ag Solutions   Proven Seed
WestLin 70	Nutrien Ag Solutions   Proven Seed
WestLin 71	Nutrien Ag Solutions   Proven Seed
WestLin 72	Nutrien Ag Solutions   Proven Seed

## CONVENTIONAL SOYBEANS

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

## ROUNDUP READY SOYBEANS

Akras R2	BrettYoung
Amirani R2	BrettYoung
B0011RX	BREVANT seeds
B0012RX	BREVANT seeds
B0030L1	BREVANT seeds
B0040L1	BREVANT seeds
B0041RX	BREVANT seeds
B0051RX	BREVANT seeds
B0066L1	BREVANT seeds
B0071RX	BREVANT seeds
Badger R2X	Maizex seeds
Barker R2X	SeCan
Bomber R2X	Maizex seeds
Bourke R2X	SeCan
Briggs R2X	SeCan
BY Logan XT	BrettYoung
BY Morro XT	BrettYoung
BY Rainier XT	BrettYoung
BY Rundle	BrettYoung
CP000521X	CROPLAN
CP000620RX	CROPLAN
CP00120RX	CROPLAN
CP00123X	CROPLAN
CP00419RX	CROPLAN
CP00419RX	CROPLAN
CP00519RX	CROPLAN
CP00621X	CROPLAN
CP00722X	CROPLAN
Devo R2X	Prograin Inc
Dextro R2X	Prograin Inc
DKB0003-24	DEKALB
DKB0005-03	DEKALB



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**ROUNDUP READY SOYBEANS**

DKB0005-44	DEKALB
DKB0008-87	DEKALB
DKB0009-89	DEKALB
DKB002-32	DEKALB
DKB003-29	DEKALB
DKB005-52	DEKALB
DKB006-29	DEKALB
DKB006-80	DEKALB
DKB008-48	DEKALB
Elmo E3	Prograin Inc
Evo E3	Prograin Inc
Fisher R2X	SeCan
Foote R2	SeCan
Fresco R2X	Prograin Inc
Fresco R2X	Prograin Inc
Gecko R2X	Prograin Inc
Hart R2X	SeCan
Jaguar R2X	Maizex seeds
Kudo R2X	Prograin Inc
Mahony R2	SeCan
Major R2X	Secan
Mako R2X	Prograin Inc
Mao R2X	Prograin Inc
Merino R2X	Prograin Inc
Merritt R2X	SeCan
Mikado R2X	Prograin Inc
NSC Arden RR2X	Northstar Genetics Canada
NSC Cartier RR2X	Northstar Genetics Canada
NSC Dauphin RR2X	Northstar Genetics Canada
NSC ENGage E3	Northstar Genetics Canada
NSC EXP0007X	Northstar Genetics Canada
NSC EXP0008CX	Northstar Genetics Canada
NSC EXP0008CX	Northstar Genetics Canada
NSC EXP001CX	Northstar Genetics Canada
NSC EXP001CX	Northstar Genetics Canada
NSC EXP001LX	Northstar Genetics Canada
NSC EXP001PX	Northstar Genetics Canada
NSC EXP006PX	Northstar Genetics Canada
NSC EXP007LX	Northstar Genetics Canada
NSC EXP007PX	Northstar Genetics Canada
NSC Holland RR2X	Northstar Genetics Canada
NSC Sperling RR2Y	Northstar Genetics Canada
NSC Winkler RR2X	Northstar Genetics Canada
P0007A73X	Pioneer brand Seed
P001A48X	Pioneer brand Seed
P003A97X	Pioneer brand Seed
P005A27X	Pioneer brand Seed
P005A59E	Pioneer brand Seed
P005A83X	Pioneer brand Seed
P006A37X	Pioneer brand Seed
P007A08X	Pioneer brand Seed
P00A49X	Pioneer brand Seed
P00A75X	Pioneer brand Seed
Pikas R2X	Maizex seeds
Polo R2X	Prograin Inc
PV 10s005 RR2	Nutrien Ag Solutions
PV 12s007 R2X	Nutrien Ag Solutions
PV 15s0009 R2X	Nutrien Ag Solutions
PV 16s004 R2X	Nutrien Ag Solutions
PV 19s006R2X	Nutrien Ag Solutions
PV 22s002 R2X	Nutrien Ag Solutions
PV 24s0008R2X	Nutrien Ag Solutions
PV 26s007R2X	Nutrien Ag Solutions
PV 27s0005R2X	Nutrien Ag Solutions
PV 28s001R2X	Nutrien Ag Solutions
RX Acron	BrettYoung
S0007-S1X	Syngenta Canada
S0009-F2X	Syngenta Canada
S0009-M2	Syngenta Canada

**ROUNDUP READY SOYBEANS**

S001-D8X	Syngenta Canada
S003-R5X	Syngenta Canada
S003-R5X	Syngenta Canada
S003-Z4X	Syngenta Canada
S005-C9X	Syngenta Canada
S006-K3X	Syngenta Canada
S006-M4X	Syngenta Canada
S007-A2XS	Syngenta Canada
S007-A2XS	Syngenta Canada
S007-Y4	Syngenta Canada
SI 000919XT	Sevita International
SI 000919XT	Sevita International
SI 001XTN	Sevita International
SI 00221XTN	Sevita International
SI 00319XT	Sevita International
SI 00321XT	Sevita International
SI 00421XT	Sevita International
SI 00620XTN	Sevita International
SI 00620XTN	Sevita International
SI 007XTN	Sevita International
Sunna R2X	BrettYoung
TH 87003 R2X	Thunder Seeds Canada
TH 88005R2XN	Thunder Seeds Canada
TH 88007R2X	Thunder Seeds Canada
TH81007 R2XN	Thunder Seeds Canada
TH82005 R2X	Thunder Seeds Canada
TH82006 R2X	Thunder Seeds Canada
TH82008XF	Thunder Seeds Canada
TH830009X	Thunder Seeds Canada
TH89004 R2X	Thunder Seeds Canada
TH89009 R2XN	Thunder Seeds Canada
Torro R2	Prograin Inc
Triquet R2X	SeCan
Wolf R2X ♀	Maizex seeds
Young R2X	SeCan

**SUNFLOWERS**

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

DISTRIBUTOR	PHONE NUMBER
Alliance Seed .....	1-877-270-2890
BASF .....	1-877-371-2273
Bayer CropScience Canada Ltd. (DEKALB) .....	1-888-283-6847
BrettYoung.....	1-800-665-5015
BREVANT seeds.....	1-800-265-7403
CANTERRA SEEDS.....	1-877-744-4321
Cargill Ltd. .....	1-888-855-8558
FP Genetics.....	1-877-791-1045
Interlake.org Inc.....	1-204-641-0230
Maizex Seeds.....	1-519-682-1720
Northstar Genetics Canada .....	1-204-262-2425
Nuseed Americas Inc .....	1-877-841-7447
Nutrien Ag Solutions   Proven Seed.....	1-204-435-2063
Pioneer brand Seed .....	1-306-385-3001
Prograin Inc.....	1-800-817-3732
SAATBAU LINZ eGen.....	1-514-609-0881
SeCan.....	1-800-665-7333
SeedNet .....	1-403-715-9771
Sevita International .....	1-613-989-3000
SG CERESCO .....	1-450-454-2727
Semcan Inc. .....	1-819-362-8823
Syngenta Canada Inc.....	1-877-964-3682
Thunder Seeds Canada .....	1-306 213 8888
WinField United   CROPLAN.....	1-306-249-5112

# Growers List



## FLAX

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

### CDC DORADO ⓘ

Holland; Kubinec, Anastasia ..... 204-526-2776 C

### CDC ESME ⓘ

Stonewall; Unger Seed Farm Ltd. ..... 204-467-8630 S F

### CDC GLAS ⓘ

Pilot Mound; Smith Family Seeds ..... 204-825-2212 C \*

### CDC ROWLAND ⓘ

Carman; Menold, Thomas ..... 204-750-2682	R	C
Cromer; Bartel Seeds ..... 204-851-1390	C	
Crystal City; Buchanan, Kenneth, Jayden, & Dean ..... 204-825-7151	C	
Somerset; Sierens Seed Service ..... 204-744-2883	C	
Stonewall; Unger Seed Farm Ltd. ..... 204-467-8630	F	C
Wawanesa; Ellis Seeds; Ellis, Warren, Simon & Amanda. 204-824-2290	C	

## SOYBEANS

### AAC HALL ⓘ

Arborg; Harreg Farms; Johnson, Reginald, James & Tim ..... 204-642-2570 R

### AKRAS R2

Altona; Sawatzky, John ..... 204-324-4018 R

### BADGER R2X

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

### BARKER R2X

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

### BOMBER R2X

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

### BOURKE R2X

Boissevain; Armstrong Seeds Ltd. ..... 204-534-2566	C
Brandon; Wheat City Seeds Ltd. ..... 204-727-3337	S F
Carman; RJP Seed Ltd. ..... 204-745-3304	C
Oak Bank; Willowdale Seeds; Wyrich, Daniel ..... 204-801-0659	C
Portage La Prairie; Askin, Raymond & Jeffrey ..... 204-856-3483	C
Stonewall; Unger Seed Farm Ltd. ..... 204-467-8630	C
Warren; Riddell Seed Co. ..... 204-227-5679	F
	C

### BRIGGS R2X

Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra ..... 204-638-7800 R

Ste. Rose Du Lac; PNR Farms Ltd. ..... 204-447-2118 R

### BY RUNDLE XT ⓘ

Reston; Avondale Seed Farm Ltd. ..... 204-877-3813 R

### CP000521X

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

### CP000620RX

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

### CP00120RX

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

## SOYBEANS

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### CP00123X

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

### CP00419RX

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

### CP00519RX

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

### CP00523X

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

### CP00621X

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

### CP00722X

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

### HART R2X

Arborg; Timchishen Seeds Farms ..... 204-641-1288	S F R
Darlingford; Morrow, Graham ..... 204-362-8986	R
Warren; Riddell Seed Co. ..... 204-227-5679	S R
Wawanesa; Ellis Seeds; Ellis, Warren, Simon & Amanda. 204-824-2290	R

### MAHONY R2

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

### MAJOR R2X

Ste. Rose Du Lac; PNR Farms Ltd. ..... 204-447-2118 C

### NSC ARDEN RR2X

Darlingford; Morrow, Graham ..... 204-362-8986	C
Grosse Isle; Rutherford Farms Ltd. ..... 204-467-5613	C
Oak River; J.S.Henry & Son Ltd. ..... 204-566-2422	S
Plumas; Court Seeds Ltd ..... 204-386-2354	C
Reston; Avondale Seed Farm Ltd. ..... 204-877-3813	C
Somerset; Sierens Seed Service ..... 204-744-2883	C
St. Claude; R-Way Ag. Ltd. ..... 204-379-2582	C

### NSC CARTIER RR2X

Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena ..... 204-736-2622	S F R
Rosenort; Friesen, Rick ..... 204-746-8325	R

### NSC DAUPHIN RR2X

Grosse Isle; Rutherford Farms Ltd. ..... 204-467-5613	C
Oak River; J.S.Henry & Son Ltd. ..... 204-566-2422	S
Russell; Keating Seed Farms Inc. ..... 204-773-3854	C
St. Claude; R-Way Ag. Ltd. ..... 204-379-2582	C

### NSC ENGAGE E3

Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena ..... 204-736-2622 S F

### NSC EXP0008CX

Grosse Isle; Rutherford Farms Ltd. ..... 204-467-5613	S F
Russell; Keating Seed Farms Inc. ..... 204-773-3854	F

### NSC EXP001CX

Grosse Isle; Rutherford Farms Ltd. ..... 204-467-5613	S F
Oak River; J.S.Henry & Son Ltd. ..... 204-566-2422	S F

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### NSC EXP003CX

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

### NSC EXP007LX

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

### NSC HOLLAND RR2X

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

### NSC SPERLING RR2Y

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

### NSC WINKLER RR2X

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

### S001-D8X

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

### SUNNA R2X

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

### TRIQUET R2X

Carman; Menold Seed Farms; Menold, Ulrich, Tyler & Lucas .....

204-750-1095 R

### WOLF R2X®

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

### YOUNG R2X

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

# Pulse Crops

## Variety Description Key

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

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

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

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

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

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

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

## Key to 2023 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.



# Manitoba Agriculture Variety Guide

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## FABABEANS

### Comments:

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.

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

### Variety Descriptions

Class/Variety	% of Check	Site Years Tested	Days to Maturity <sup>1</sup>	TKW (g)	2023 Yield % Check Variety		
					Dauphin	Morden	Swan River
<b>Colored Flower(Tannin)</b>							
Allison <sup>®</sup>	99	6	110	465	101	106	66
Casanova	95	3	111	503	102	101	80
Dosis <sup>®</sup>	89	3	103	480	70	97	97
Fabelle <sup>®</sup>	100	8	111	492	100	100	100
Futura	99	3	112	489	115	106	73
Victus <sup>®</sup>	93	8	111	401	115	103	75
<b>CHECK CHARACTERISTICS</b>							
Fabelle <sup>®</sup> (tannin)	5073 lbs/ac	7 Site Years	111 days	<b>Fabelle</b> (lbs/acre) CV% LSD (%) Sign Diff	6503 3.0 5 Yes	3503 9.9 15 Yes	4780 — — No
<b>White Flower (Low Tannin)</b>							
CDC 1089 <sup>®</sup>	100	3	110	386	98	112	94
CDC 1142 <sup>®</sup>	87	3	114	358	92	88	76
DL Nevado <sup>®</sup>	100	7	107	421	100	100	100
Navi <sup>®</sup>	106	8	129	401	101	98	120
<b>Varieties supported for registration by the PRCPSC</b>							
DL19.7202	95	3	107	388	95	93	97
DL20.8703	103	3	106	403	100	112	101
<b>CHECK CHARACTERISTICS</b>							
DL Nevado (Low Tannin)	4233 lbs/ac	7 Site Years	107 days	<b>DL Nevado</b> (lbs/acre) CV% LSD (%) Sign Diff	6160 3.0 8 Yes	2810 9.9 19 Yes	3667 — — No
				<b>Seeding Date</b> <b>Harvest Date</b>	19-May 19-Sep	23-May 20-Oct	24-May 19-Sep

<sup>1</sup> Maturity ratings are based on days until swathing, but will vary depending on seeding date

**MANITOBA Pulse Soybean GROWERS**

**WORKING FOR FARMERS**

MPSG is proud to partner with MCVET and the seed industry to carry out regional variety trials.

For more information visit [www.manitobapulse.ca](http://www.manitobapulse.ca) or follow us on social media @MBPulseGrowers

# FIELD BEANS – MANITOBA NARROW ROW ADAPTATION TRIALS

## Comments:

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

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

Days to maturity is critical. Do not select a variety that will not mature in time, under normal growing conditions.

Early fall frost severely affects yield and quality.

## Variety Descriptions

Bean Class	Variety	Years Tested			Yield % Check	Site Years Tested	Maturity <sup>1</sup> (days) +/- Check
		2023	2022	2021			
<b>Small Seeded Types</b>							
Black	CDC Blackstrap®	x	x	x	100	31	0
Black	CDC Jet		x	x	88	29	6
Black	CDC SuperJet		x	x	96	29	5
Black	Eclipse®	x	x	x	100	19	4
Navy	AAC Argosy	x	x	x	89	13	10
Navy	AAC Shock	x	x	x	86	18	8
Navy	Indi	x	x	x	88	15	7
Navy	OAC Charm	x			89	2	10
Navy	OAC Fusion		x	x	94	6	4
Navy	OAC Seal®	x			88	2	8
Navy	SV1893GH®	x	x		89	10	8
Navy	T9905	x	x	x	87	20	10
<b>Varieties that are registered in the US or being tested or proposed for registration in Canada</b>							
Black	Ace	x			97	2	4
Black	B3033350	x	x		97	5	6
Black	B3036381	x	x		95	5	9
<b>Large Seeded Types</b>							
Pinto	ND Palomino®	x	x	x	95	11	5
Pinto	SV6139GR®	x	x	x	107	16	-1
Pinto	Vibrant	x	x		113	5	1
Pinto	Windbreaker	x	x	x	100	23	0
Mayocoba	CDC Sunburst	x			95	2	-4
<b>Varieties that are registered in the US or being tested or proposed for registration in Canada</b>							
Pinto	Bronco	x	x		92	5	2
Pinto	Charro	x	x		107	5	5
Pinto	USDA Diamondback	x	x		100	5	5
Pinto	USDA Rattler	x	x		111	5	4
<b>CHECK CHARACTERISTICS</b>							
<b>Bean Grouping</b>		<b>Check Varieties</b>		<b>Yield (lbs/ac)</b>	<b>Site Years</b>	<b>Days to Maturity</b>	
Small seeded		CDC Blackstrap		2690	31	93	
Large seeded		Windbreaker		2430	23	98	

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

# FIELD BEANS – WIDE ROW TRIALS

## Comments:

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

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

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

## Variety Descriptions

MARKET CLASS / Variety	Years Tested			Yield % of Check	Site Years Tested	Maturity <sup>1</sup> (days) +/- Check
	2023	2022	2021			
<b>NAVY</b>						
AAC Argosy	x	x	x	101	19	1
AAC Shock	x	x	x	94	15	-2
Armada	x	x	x	101	11	-3
Blizzard	x	x		98	6	-3
Indi	x	x	x	98	35	-4
OAC Charm	x			85	2	-1
OAC Seal <sup>®</sup>	x			92	2	-4
Rogue			x	93	1	-2
SV1893GH <sup>®</sup>	x	x		96	19	0
T9905	x	x	x	100	43	0
Valiant	x	x	x	99	7	-6
<b>Varieties that are registered in the US or being tested or proposed for registration in Canada</b>						
HMS Victory	x	x	x	102	13	-2
<b>PINTO</b>						
Cowboy <sup>®</sup>	x	x	x	97	13	-1
Gleam	x	x	x	94	7	1
Mystic	x	x	x	102	7	4
ND Palomino <sup>®</sup>	x	x	x	94	13	7
SV6139GR <sup>®</sup>	x	x	x	98	23	0
Vibrant	x	x	x	100	24	0
Windbreaker	x	x	x	92	24	0
<b>Varieties that are registered in the US or being tested or proposed for registration in Canada</b>						
Bronco	x	x		82	6	0
Charro	x	x		103	6	6
Rustler	x	x		85	6	-2
USDA Rattler	x	x		100	6	4
USDA Diamondback	x	x		85	6	6
<b>BLACK</b>						
Black Tails	x	x	x	102	13	1
CDC Blackstrap <sup>®</sup>	x	x	x	95	24	-6
CDC Jet		x	x	89	48	-1
CDC Superjet		x	x	89	36	-2
Eclipse <sup>®</sup>	x	x	x	100	52	0
<b>Varieties that are registered in the US or being tested or proposed for registration in Canada</b>						
Ace	x		x	101	9	-1
B3033350	x	x		106	6	-1
B3036381	x	x		104	6	1

Market Class / Variety	Years Tested			Yield % of Check	Site Years Tested	Maturity <sup>1</sup> (days) +/- Check
	2023	2022	2021			
<b>CRANBERRY</b>				% of Krimson		
Etna		x	x	95	25	1
Krimson	x	x	x	100	27	0
OAC Firestripe	x	x		128	5	5
OAC Navabi	x	x		109	5	-2
<b>GREAT NORTHERN</b>				% of Pink Panther		
Andromeda		x	x	130	7	-4
Aries		x	x	136	17	0
Lyra		x		129	3	-3
Virgo	x	x	x	144	9	3
<b>Varieties that are registered in the US or being tested or proposed for registration in Canada</b>						
14164			x	129	4	-2
Eiger	x	x		165	5	1
<b>DARK RED KIDNEY</b>				% of Pink Panther		
Cabernet		x		73	17	1
Dynasty	x	x	x	108	12	5
Gallantry	x	x	x	125	6	8
Rampart		x		110	5	4
Red Rover		x		63	9	4
<b>Varieties that are registered in the US or being tested or proposed for registration in Canada</b>						
161156	x	x		86	5	-3
181021	x	x		91	5	6
<b>LIGHT RED KIDNEY</b>				% of Pink Panther		
Big Red	x	x		99	29	-3
Clouseau	x	x		97	17	-2
Pink Panther	x	x	x	100	60	0
Red Dawn	x	x		97	13	-6
<b>MAYOCOBA- Yellow</b>				% of Vibrant		
CDC Sunburst	x	x	x	65	7	0
<b>Varieties that are registered in the US or being tested or proposed for registration in Canada</b>						
Claim Jumper	x	x	x	80	7	8
<b>WHITE KIDNEY</b>				% of Pink Panther		
OAC Snowshoe	x			127	2	-1
Yeti		x	x	101	4	9
<b>Check Varieties</b>				First Year Tested	Yield lbs/ac	Site Years Tested Maturity (days)
Eclipse				2005	2462	50 95
Krimson				2013	1824	27 96
Pink Panther				2001	1959	62 97
T9905				2009	2426	43 99
Vibrant				2015	2803	24 94

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.

# FIELD PEAS

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## Variety Descriptions

Variety	Yield % Check	Site Years Tested	Relative <sup>1</sup> Maturity	Relative Vine Length	Seed Size (TKW)	Resistance Level to:							
						Lodging	Powdery Mildew	Mycosphaerella blight	Fusarium <sup>2</sup> Wilt	Seed Coat			
										Green <sup>3</sup>	Breakage	Dimpling <sup>4</sup>	Bleaching
<b>Yellow</b>													
AAC Aberdeen <sup>†</sup>	101	22	Long	M	250	VG	VG	F	F	G	F	F	n/a
AAC Beyond <sup>†</sup>	96	22	Mid	M	210	G	VG	F	G	n/a	F	n/a	n/a
AAC Carver <sup>†</sup>	100	52	Early	L	240	G	VG	F	F	G	G	G	n/a
AAC Chrome <sup>†</sup>	105	10	Long	M	240	G	VG	F	F	G	G	G	n/a
AAC Delhi <sup>†</sup>	100	28	Mid	M	290	G	VG	F	F	G	F	F	n/a
AAC Julius <sup>†</sup>	97	23	Mid	M	210	G	VG	F	G	n/a	G	n/a	n/a
AAC Lacombe <sup>†</sup>	98	42	Long	L	270	G	VG	F	F	F	F	G	n/a
AAC McMurphy <sup>†</sup>	100	8	Long	L	270	VG	VG	F	G	G	G	G	n/a
AAC Planet <sup>†</sup>	101	14	Long	L	231	G	VG	F	G	G	F	G	n/a
AAC Profit <sup>†</sup>	99	27	Mid	M	230	G	VG	F	F	G	F	G	n/a
Boost <sup>†</sup>	97	14	Early	M	230	G	VG	F	G	G	VG	G	n/a
Caphorn <sup>†</sup>	93	14	Long	M	260	G	VG	F	G	G	G	G	n/a
CDC Amarillo	98	50	Long	M	230	VG	VG	F	G	G	F	F	n/a
CDC Athabasca <sup>†</sup>	94	34	Long	L	300	VG	VG	F	G	G	F	F	n/a
CDC Citrine <sup>†</sup>	101	8	Mid	L	230	G	VG	F	G	G	G	G	n/a
CDC Hickie <sup>†</sup>	100	14	Mid	M	230	VG	VG	F	G	G	G	G	n/a
CDC Inca <sup>†</sup>	102	48	Mid	L	230	G	VG	F	F	F	G	G	n/a
CDC Lewochko <sup>†</sup>	100	42	Long	L	230	VG	VG	F	F	G	G	G	n/a
CDC Spectrum <sup>†</sup>	93	42	Long	L	240	VG	VG	F	F	G	G	G	n/a
CDC Tollefson <sup>†</sup>	102	14	Long	L	240	VG	VG	F	G	G	G	G	n/a
ProStar <sup>†</sup>	97	14	Early	M	240	G	VG	F	G	VG	G	G	n/a
<b>Varieties supported for registration by the PRCPSC</b>													
CDC 5845-2	101	8	Long	L	236	VG	VG	F	G	n/a	G	n/a	n/a
CDC 5791	99	8	Long	L	246	G	VG	F	G	G	VG	G	n/a
<b>Green</b>													
CDC Forest <sup>†</sup>	99	34	Long	L	230	G	VG	F	F	n/a	G	G	G
CDC Limerick	94	43	Long	M	210	VG	VG	F	F	n/a	VG	G	G
CDC Rider <sup>†</sup>	93	23	Long	M	220	VG	VG	F	G	n/a	G	G	G
CDC Huskie <sup>†</sup>	101	8	Long	M	220	G	VG	F	G	n/a	G	G	G
CDC Spruce <sup>†</sup>	96	19	Long	L	240	G	VG	F	F	n/a	F	F	G
<b>Maple</b>													
AAC Lorlie	84	14	Long	M	226	G	VG	F	n/a	n/a	G	n/a	n/a
<b>Forage</b>													
CDC Jasper <sup>†</sup>	82	22	Mid	L	180	F	VG	F	n/a	G	G	G	n/a
DL Delicious <sup>†</sup>	75	21	Long	VL	220	P	n/a	F	n/a	n/a	VG	F	n/a
DL Lacross	88	28	Mid	VL	190	F	n/a	F	n/a	F	VG	G	n/a
<b>LSD (.05)</b>	4												
<b>CHECK CHARACTERISTICS</b>													
AAC Carver <sup>†</sup>	77	bu/acre	84	Days									

1 Relative maturity ratings compared to check AAC Carver determined at Manitoba trial sites, Maturity equal or up to 2 days later consider early, 5 days plus considered long.

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

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

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

For Protein data on Peas please go to Seed Manitoba online:

A number of new varieties are participating in a Variety Use Agreement (VUA). If producers purchase a VUA variety and divert some of that grain at harvest for seed use, they will be invoiced a Variety Use Fee for use of the seed. Ask your retailer about your obligations to the Variety Use Agreement (VUA) when purchasing seed.

## Yield Comparisons

Variety	2023 Yield % AAC Carver							
	Arborg	Carberry	Hamiota	Melita	Morden	Souris	Stonewall	Swan River
<b>Yellow</b>								
AAC Beyond®	103	104	100	100	88	95	110	96
AAC Carver®	100	100	100	100	100	100	100	100
AAC Julius®	107	84	94	99	86	80	110	96
AAC McMurry®	108	95	101	93	88	99	118	113
AAC Planet®	119	86	104	106	92	104	113	107
Boost®	93	114	94	107	83	92	101	105
Caphorn®	90	90	91	105	83	104	100	100
CDC Citrine®	116	104	101	101	86	102	105	111
CDC Hickie®	107	96	109	100	87	101	112	108
CDC Lewochko®	123	90	100	108	84	100	116	97
CDC Spectrum®	100	89	92	103	74	104	111	102
CDC Tollefson®	114	96	104	112	97	106	122	106
ProStar®	96	79	100	108	97	93	99	100
<b>Varieties supported for registration by the PRCPSC</b>								
CDC 5845-2	118	91	109	108	93	106	117	101
CDC 5791	116	90	99	110	82	111	114	102
<b>Green</b>								
CDC Rider®	99	96	95	99	84	92	120	96
CDC Huskie®	119	89	98	108	93	105	125	104
<b>Maple</b>								
AAC Lorie	93	74	72	98	65	79	118	94
<b>AAC Carver (bu/acre)</b>	81	77	101	60	93	98	59	57
CV %	6.3	6.0	4.0	5.1	8.6	5.1	4.6	4.7
LSD (%)	11	9	7	9	12	8	9	8
Sign Diff	yes	yes	yes	yes	yes	yes	yes	yes
<b>Seeding Date</b>	15-May	09-May	10-May	03-May	23-May	16-May	22-May	10-May
<b>Harvest Date</b>	28-Aug	31-Aug	17-Aug	03-Aug	10-Sep	30-Aug	30-Aug	15-Aug

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

#### Benchmark your farming practices with the Manitoba Management Plus Program

- Access unbiased and aggregated on-farm variety and yield information from Manitoba producers.
- Compare your varieties and yield performance with your neighbours to make smarter decisions and reduce your risk of losses.
- Determine the best crops to plant and find other useful agronomic information.

To learn more, go to  
[masc.mb.ca/mmpp](http://masc.mb.ca/mmpp)



# Distributor Contacts for Listed Varieties in Seed Manitoba 2024

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

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## FABABEANS

CDC 1089®	Saskatchewan Pulse Growers
219-16®	SeCan
Allison®	Prairie Fava
DL Nevado®	DL Seeds
DL Rico®	Prairie Fava
DL Tesoro®	Riddell Seed Farms
Fabelle®	SeedNet
Navi®	Harvest Genetics
Snowbird®	Cyre Seed Farms
Tabasco®	Riddell Seed Co.
Victus®	DL Seeds
Dosis®	SeedNet
Casanova	DL Seeds
Futura	DL Seeds
CDC 1142®	Harvest Genetics

## FIELD BEANS

### NAVY

AAC Argosy	Various Bean Dealers
AAC Shock	Various Bean Dealers
Armada	ADM- Seed West
Blizzard	Various Bean Dealers
Bolt	Hensall District Coop
Fathom	University of Guelph
HMS Medalist	ADM- Seed West
Indi	ADM- Seed West
Nautica	Hensall District Coop
OAC Fusion	Various Bean Dealers
OAC Spark	University of Guelph
Rogue	Hensall District Coop
SV1893GH®	CANTERRA SEEDS
OAC Charm	Treasure Valley Seed CO
OAC Seal®	Jefferies Seeds Ltd
T9905	Treasure Valley Seed Company
Valiant	ADM- Seed West

### PINTO

CDC Pintium	Various Bean Dealers
CDC WM-2®	University of Saskatchewan
CDC WM-3	Rudy Agro Ltd.
Cowboy®	University of Saskatchewan
Gleam	ADM- Seed West
La Paz	ADM- Seed West
Monterrey	ADM- Seed West
Mystic	Various Bean Dealers
ND Palomino®	CANTERRA SEEDS
SV6139GR®	CANTERRA SEEDS
SV6533GR®	CANTERRA SEEDS
Vibrant	ADM- Seed West
Windbreaker	CANTERRA SEEDS

### BLACK

Black Tails	Various Bean Dealers
CDC Blackstrap®	Ben Martens Charlois & Seed
CDC Jet	Ben Martens Charlois & Seed
CDC SuperJet	Ben Martens Charlois & Seed
Eclipse®	Western Harvest Bean

### CRANBERRY

AAC Scotty	Agriculture and Agri-Food Canada
Etna	Seminis Vegetable Seeds
OAC Candycane	Various Bean Dealers
OAC Firestripe	Various Bean Dealers
OAC Navabi	Various Bean Dealers
OAC Racer	Various Bean Dealers
Dark Red Kidney	Various Bean Dealers
Cabernet	University of Guelph
Dynasty	Hensall District Coop
Gallantry	Various Bean Dealers
Montcalm	Various Bean Dealers
Rampart	Various Bean Dealers
Red Hawk	Various Bean Dealers
Red Rover	Various Bean Dealers

### LIGHT RED KIDNEY

Big Red	Various Bean Dealers
Clouseau	Various Bean Dealers
Pink Panther	Various Bean Dealers
Red Dawn	Various Bean Dealers

### WHITE KIDNEY

Yeti	Various Bean Dealers
OAC Snowshoe	Various Bean Dealers

## FIELD BEANS

### GREAT NORTHERN

Andromeda	Various Bean Dealers
Aries	Various Bean Dealers
Virgo	Various Bean Dealers
<b>FLOR DE JUNIO</b>	
CDC Ray®	University of Saskatchewan
<b>YELLOW</b>	
CDC Sunburst®	Rudy Agro Ltd.

## FIELD PEAS

AAC Aberdeen®	Alliance Seed
AAC Ardill	Wagon Wheel Seed Corp.
AAC Asher®	Agriculture and Agri-Food Canada
AAC Beyond®	CANTERRA SEEDS
AAC Carver®	CANTERRA SEEDS
AAC Chrome®	FP Genetics
AAC Comfort®	CANTERRA SEEDS
AAC Julius®	FP Genetics
AAC Lacombe®	SeedNet Inc
AAC Liscard	Wagon Wheel Seed Corp.
AAC Lorlie	Wagon Wheel Seed Corp.
AAC McMurphy®	FP Genetics
AAC Planet®	SeedNet Inc
AAC Profit®	FP Genetics
Abarth®	FP Genetics
Bluman	SeedNet Inc
Boost®	Pitura Seeds
Caphorn®	DL Seeds
CDC Amarillo	Saskatchewan Pulse Growers
CDC Athabasca®	SeCan
CDC Canary®	SeCan
CDC Citrine®	Saskatchewan Pulse Growers
CDC Forest®	SeCan
CDC Greenwater	Saskatchewan Pulse Growers
CDC Hickie®	Saskatchewan Pulse Growers
CDC Huskie®	Saskatchewan Pulse Growers
CDC Inca®	Saskatchewan Pulse Growers
CDC Jasper®	Saskatchewan Pulse Growers
CDC Lewochko®	Saskatchewan Pulse Growers
CDC Limerick	Saskatchewan Pulse Growers
CDC Meadow	Saskatchewan Pulse Growers
CDC Rider	Saskatchewan Pulse Growers
CDC Saffron	Saskatchewan Pulse Growers
CDC Spectrum®	SeCan
CDC Spruce®	SeCan
CDC Spruce®	SeCan
CDC Striker	Saskatchewan Pulse Growers
CDC Tollefson®	Saskatchewan Pulse Growers
DL Delicious®	FP Genetics
DL Lacross	FP Genetics
ProStar®	CANTERRA SEEDS

## DISTRIBUTOR

## PHONE NUMBER

ADM-Seed West.....	1-800-637-5843
Agriculture and Agri-Food Canada.....	1-613-773-1000
Alliance Seed .....	1-877-270-2890
Ben Martens Charolais & Seed.....	1-204-534-6952
CANTERRA SEEDS.....	1-877-439-7333
Columbia Seeds.....	1-403-654-2158
Cyre Seed Farms .....	1-780-349-4775
FP Genetics.....	1-877-791-1045
Jefferies Seeds Ltd .....	1-204-720-7282
Hensall District Coop .....	1-204-295-3938
Harvest Genetics.....	1-306-715-2733
Prairie Fava .....	1-204-720-7282
Pitura Seeds.....	1-204-736-2849
Riddell Seed Co. ....	1-204-227-5679
Rudy Agro .....	1-306-873-8670
Saskatchewan Pulse Growers .....	1-306-668-5556
SeCan .....	1-800-665-7333
SeedNet Inc .....	1-403-715-9771
Seminis Vegetable Seeds .....	1-519-351-7640
Treasure Valley Seed Company .....	1-218-791-6159
University of Saskatchewan.....	1-306-966-5855

# Growers List



## FIELD BEAN

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

### CDC BLACKSTRAP ⓘ

Bossevain; Martens, Ben & John & Ryan .....	204-534-6952	R
Russell; Keating Seed Farms Inc. ....	204-773-3854	C
Swan River; Badowski, Dennis .....	204-734-6222	C

### CDC WHITETRACK ⓘ

Homewood; Agassiz Seed Farm.....	204-745-6655	S F
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### ND PALOMINO ⓘ

Homewood; Agassiz Seed Farm.....	204-745-6655	C
Portage La Prairie; Sissons Farms Ltd.; Sissons, Blye. ....	204-857-7341	C
Reinland; Ens Farms Ltd.....	204-325-4658	C

### OAC SEAL ⓘ

Glenboro; Jefferies Seeds.....	204-827-2102	S
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### SV6139GR ⓘ

Altona; Wiebe, Dylan .....	204-304-0048	C
Glenboro; Jefferies Seeds.....	204-827-2102	C
Portage La Prairie; Sissons Farms Ltd.; Sissons, Blye. ....	204-857-7341	C
Reinland; Ens Farms Ltd.....	204-325-4658	C

### WINDBREAKER

Altona; Wiebe, Henry D. & Lloyd.....	204-324-7999	C
Portage La Prairie; Sissons Farms Ltd.; Sissons, Blye. ....	204-857-7341	C
Reinland; Ens Farms Ltd.....	204-325-4658	C

## FABA BEAN

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

### 219-16 ⓘ

Crystal City; Buchanan, Kenneth, Jayden, & Dean .....	204-825-7151	C
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### ALLISON ⓘ

Glenboro; Jefferies Seeds.....	204-827-2102	S F R
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## FIELD PEAS

### PROSTAR ⓘ

Warren; Riddell Seed Co. ....	204-227-5679	S F
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### AAC ABERDEEN ⓘ

Foxwarren; Westwarren Farms Inc.; Falloon, Scott .....	204-773-6567	C
Russell; Keating Seed Farms Inc. ....	204-773-3854	C

### AAC BEYOND ⓘ

Stonewall; Unger Seed Farm Ltd. ....	204-467-8630	S F
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### AAC CARVER ⓘ

Bossevain; Armstrong Seeds Ltd. ....	204-534-2566	C
Dauphin; Fisher Seeds Ltd. ....	204-622-8800	C
Glenboro; Jefferies Seeds.....	204-827-2102	C
Oakville; Miller Agritec Farm Inc. ....	204-267-2363	C



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Great yield potential. Unique quality profile that lends to both the adjunct and craft brewing markets.

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A field pea suited to every area and situation. Very good yields. Early maturity. Large seed size

#### Allison fava beans

Low Vicine and Convicine. High yielding. Small seed size. Feed and food markets suitable. Closed loop contracting w/Prairie Fava.

#### Manness wheat

Very high yield potential. Strong standing. Short semi-dwarf. Early maturity. Improved protein.

#### Starbuck wheat

Great combination of short, strong straw and disease resistance in a MTW. MR to FHB.

#### Hodge wheat

Top-in-class standability. Excellent disease package. 'MR' for FHB, 'R' to all other priority one diseases. Wheat midge tolerant.



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204-827-2102

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## 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.

Pilot Mound; Wallace Farms Ltd.; Wallace, Joe .....	204-825-4543	R
Russell; Keating Seed Farms Inc.....	204-773-3854	R C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	S F C
Swan River; Badowski, Dennis .....	204-734-6222	C

### AAC CHROME

Arborg; Timchishen Seeds Farms.....	204-641-1288	S F R
Boissevain; Boissevain Select Seeds .....	204-534-6846	C
Carman; RJP Seed Ltd. ....	204-745-3304	C
Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena .....	204-736-2622	F R
Grandview; Triple S Seeds Ltd.....	204-638-2004	R C
Hamiota; Knight Seeds; Knight, Ron & Jeff .....	204-764-2450	C
Inglis; Beischer Family Farm Seeds Ltd. ....	204-564-2676	C
Killarney; Bar H Agri Seeds.....	204-523-7464	C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	C
Pilot Mound; Smith Family Seeds.....	204-825-2212	S F C
Plumas; Court Seeds Ltd.....	204-386-2354	C
Rivers; Redspur Enterprises.....	204-328-5346	C
Russell; Keating Seed Farms Inc. ....	204-773-3854	F C
Somerset; Sierens Seed Service.....	204-744-2883	C
St Anne; Dueck, Jacob Eldon, Brian & Ken .....	204-371-7700	C
St. Leon; Labossiere, Luc & Rejean.....	204-825-7249	C
Swan River; Badowski, Dennis .....	204-734-6222	C

### AAC JULIUS

Arborg; Timchishen Seeds Farms.....	204-641-1288	S F
Boissevain; Boissevain Select Seeds .....	204-534-6846	S F
Carman; RJP Seed Ltd. ....	204-745-3304	S F



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- Soybeans
- Canola • Corn
- Seed Treating and Inoculation
- Cleaning Facility
- Optical Sorter

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**2mi East of Oak River, MB**  
**[www.jshenry.ca](http://www.jshenry.ca)**



## 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.

Domain; Manness Seed; Manness, Ronald & Patricia & Graeme & Adeena .....	204-736-2622	S F
Grandview; Triple S Seeds Ltd.....	204-638-2004	S F
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C

### AAC PROFIT

Boissevain; Boissevain Select Seeds .....	204-534-6846	S R C
Carman; RJP Seed Ltd. ....	204-745-3304	S F
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C
Minto; Southern Seed .....	204-776-2333	C
Plumas; Court Seeds Ltd.....	204-386-2354	C
Rivers; Redspur Enterprises.....	204-328-5346	C

### CAPHORN

Warren; Riddell Seed Co. ....	204-227-5679	F
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### CDC HICKIE

Arborg; Timchishen Seeds Farms.....	204-641-1288	S F
Decker; Murray Farms Inc.....	204-764-2733	R
Somerset; Sierens Seed Service.....	204-744-2883	S R
St. Leon; Labossiere, Luc & Rejean.....	204-825-7249	R
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	S R
Warren; Riddell Seed Co. ....	204-227-5679	S
Wawanese; Ellis Seeds; Ellis, Warren, Simon & Amanda.204-824-2290		R

### CDC INCA

Holland; Kubinec, Anastasia .....	204-526-2776	C
Swan River; Badowski, Dennis .....	204-734-6222	C

### CDC LEWOCHKO

Arborg; Timchishen Seeds Farms.....	204-641-1288	S F
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C
Brandon; Wheat City Seeds Ltd. ....	204-727-3337	S C
Cromer; Bartel Seeds.....	204-851-1390	C
Crystal City; Buchanan, Kenneth, Jayden, & Dean .....	204-825-7151	C
Dauphin; Dauphin Plains Seeds Ltd., Kaleta, James & Debra .....	204-638-7800	C
Minota; Walker, Alan Glen .....	204-567-3647	R
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	R
Pilot Mound; Smith Family Seeds.....	204-825-2212	S C
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C
Rivers; Redspur Enterprises.....	204-328-5346	C
Russell; Keating Seed Farms Inc. ....	204-773-3854	R C
St. Leon; Labossiere, Luc & Rejean.....	204-825-7249	C
Warren; Riddell Seed Co. ....	204-227-5679	F C
Wawanese; Ellis Seeds; Ellis, Warren, Simon & Amanda.204-824-2290		C

### CDC MEADOW

Holland; Patenaude Farms Inc.....	204-526-7212	R
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# Special Crops

## Key to 2023 Yield Tables

® 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.

Yields derived over two 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 = 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.



# AS1047RR EDF SILAGE

## DISCOVER THE 0.6 TON/ACRE ADVANTAGE

"AS1047 RR EDF is our go-to variety  
for silage quality and yield.  
Consistent performance  
year after year!"

RYAN VAN HAL  
ALBERTA

141 comparisons	Dry T/Acre*	Milk/Acre	% Dry Matter
PRIDE Seeds AS1047RR EDF	7.5	23342	32.4
Competition Leading Products	6.9	21537	34.1
Difference	0.6	1805	-1.7

\* Values shown in dry tons per acre

All product images shown are AS1047RR EDF

PRIDE Seeds AS1047RR EDF silage is the heavy weight champion for your farm! Over the past 5 growing seasons and in 141 comparisons to our competitor's industry leading products, AS1047RR EDF provided on average 0.6T/AC more feed, with 1805 more milk/acre. While providing optimal value in feed quality.

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PERFORMANCE**

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The performance data included is from internal field testing comparing similar maturity PRIDE and competitive products. Performance may vary from location to location and from year to year, as local growing, soil, and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields. PRIDE Seeds makes no guarantees and provides no warranties on the performance of PRIDE Seeds' products. Always read and follow IRM, where applicable, grain marketing, stewardship practices, and pesticide label directions. PRIDE® and the PRIDE Seeds Design® are registered trademarks of AgReliant Genetics Inc. and its affiliated companies.

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# Manitoba Agriculture Variety Guide

## GRAIN CORN – SHORT SEASON WEST

### Comments:

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

Yields are corrected to 15.5% moisture content.

The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis on their website at <https://www.mbcropalliance.ca>

CHU <sup>1</sup>	Hybrid	Trait(s) <sup>2</sup>	Carberry				Melita				
			Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)	
1925	TH6370 VT2P	6	150	18.9	54.5	69	91	12.4	55.6	61	
1950	P6910AM	23	133	17.1	54.7	71	95	11.2	55.3	62	
2025	A3979G2 RIB	6	172	18.4	53.5	73	89	13.4	56.3	63	
2025	CX23072A/VT2P	6	140	17.8	56.1	70	96	11.2	56.2	63	
2025	TH6072 VT2P	6	171	17.6	53.3	70	101	13.9	51.8	62	
2050	DKC20-23RIB	6	124	17.7	54.8	70	92	12.0	55.9	61	
2050	MZ 1200DBR	6	145	18.9	53.4	70	91	13.4	54.6	61	
2050	MZ 1231DBR	6	141	19.7	52.5	75	93	16.5	56.0	62	
2050	P72068AM	23	172	18.7	54.8	70	97	12.1	57.1	62	
2050	P7211AM	23	149	19.4	52.1	70	103	12.3	52.9	61	
2075	DKC21-36RIB	6	173	19.6	53.6	75	103	14.0	57.1	64	
2075	DLF 2158VT2P RIB	6	132	20.6	51.4	81	102	17.9	56.4	65	
2075	EXP072-23	6	168	19.4	52.8	71	108	15.9	56.4	62	
2075	NS 271	6	131	18.6	54.3	68	102	13.8	56.2	59	
2075	P7389AM	23	145	18.1	54.3	73	101	15.3	55.8	64	
2075	TH6474 VT2P	6	148	22.2	53.3	77	93	16.6	56.8	63	
2100	25-75	30	114	21.7	48.7	77	99	20.7	49.1	67	
2100	CP1440VT2P/RIB	6	177	19.9	53.6	79	105	16.6	54.5	66	
2100	DKC24-06RIB	6	153	20.6	53.4	75	99	16.9	55.4	65	
2100	P7455R	4	139	17.3	54.4	73	107	15.7	56.0	64	
2100	PV 60273RIB	6	146	23.0	51.7	74	103	17.9	55.1	63	
2125	DKC25-15RIB	6	146	19.8	53.2	77	104	17.1	55.8	66	
2125	NS EXP75	6	167	19.6	54.3	72	95	17.1	56.9	62	
2125	NS EXP75P	30	101	21.1	47.7	77	105	22.7	51.3	68	
2150	HZ 1265	14	154	19.6	54.9	68	89	13.9	56.9	60	
2150	P7527AM	23	154	19.3	51.8	77	100	19.4	53.6	65	
2175	PV 61276RIB	6	111	19.5	53.0	75	106	17.9	56.7	63	
2175	TH6977 VT2P	6	178	20.1	52.1	74	116	16.3	54.1	62	
2200	A4494G2 RIB	6	160	19.8	52.1	73	108	16.6	55.8	62	
2225	TH6278 VT2P	6	156	19.3	52.5	74	113	16.9	53.3	64	
2250	DKC28-25RIB	6	150	21.0	51.2	79	105	17.6	55.0	65	
2250	MZ 1544DBR	6	169	18.0	52.3	80	110	18.8	54.1	65	
2250	P7822AM	23	146	19.3	51.7	74	119	22.4	52.5	64	
2350	NK7837-V	27	149	20.7	52.6	79	107	23.1	53.3	66	
			<b>Mean</b>	150	19.4	52.9	74	101	15.9	55.0	63
			CV (%)	7.0	5.3	1.7	4.0	7.8	6.0	2.2	2.1
			LSD (0.05)	14	1.4	1.2	4	11	1.3	1.6	2
			Sig Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			<b>Planting Date</b>	May 12				<b>May 16</b>			
			<b>Harvest Date</b>	Oct 12				<b>Sept 22</b>			

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 suitable to your growing region.

2 See table below for explanation of codes for special genetic traits. Although the Manitoba Corn Committee believes that information contained in this report is accurate, growers are advised to consult dealers of the respective hybrids before making purchasing or management decisions. Seeds Canada provides a database for corn hybrids available in Canada at <https://seeds-canada.ca/corn-hybrid-database>. Information provided includes technology, brand name and refuge requirements.

### Explanation of Codes for Special Genetic Traits

Code	GM Traits
4	Roundup Ready Corn 2
6	VT Double PRO
14	Agrisure GT
23	Optimum AcreMax
27	Agrisure Viptera 3220
30	PowerCore Enlist

# GRAIN CORN – SHORT SEASON EAST

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## Comments:

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

Yields are corrected to 15.5% moisture content.

The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis on their website at <https://www.mbcropalliance.ca>

CHU <sup>1</sup>	Hybrid	Trait(s) <sup>2</sup>	Beausejour			
			Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)
1925	TH6370 VT2P	6	179	19.4	52.9	67
1950	P6910AM	23	146	18.4	53.0	67
2025	A3979G2 RIB	6	179	20.6	52.1	68
2025	CX23072A/VT2P	6	168	18.6	53.7	67
2025	TH6072 VT2P	6	176	20.0	51.2	69
2050	DKC20-23RIB	6	149	17.6	54.9	68
2050	MZ 1200DBR	6	169	19.8	50.8	68
2050	MZ 1231DBR	6	166	21.1	51.7	67
2050	P72068AM	23	168	18.1	53.5	66
2050	P7211AM	23	163	19.3	51.2	66
2075	DKC21-36RIB	6	193	20.9	51.6	70
2075	DLF 2158VT2P RIB	6	194	21.8	50.3	70
2075	EXP072-23	6	181	20.0	52.5	68
2075	NS 271	6	169	19.9	52.0	66
2075	P7389AM	23	163	19.0	51.4	68
2075	TH6474 VT2P	6	169	20.4	53.2	69
2100	CP1440VT2P/RIB	6	183	21.3	51.0	70
2100	DKC24-06RIB	6	193	22.1	51.6	70
2100	P7455R	4	172	18.9	52.5	68
2100	PV 60273RIB	6	182	21.8	51.8	69
2125	DKC25-15RIB	6	190	22.3	50.8	69
2125	NS EXP75	6	169	21.9	51.3	68
2125	NS EXP75P	30	169	22.5	47.7	71
2150	HZ 1265	14	160	19.8	55.0	66
2150	P7527AM	23191	21.6	50.9	70	
2175	PV 61276RIB	6	189	22.1	51.2	69
2175	TH6977 VT2P	6	188	21.9	49.4	68
2200	A4494G2 RIB	6	198	22.5	51.0	68
2250	MZ 1544DBR	6	199	24.2	49.3	70
2350	NK7837-V	27	199	25.0	51.0	69
			<b>Mean</b>	177	20.8	51.7
			CV (%)	4.2	2.5	0.9
			LSD (0.05)	10	0.7	0.1
			Sig Diff	Yes	Yes	Yes
			<b>Planting Date</b>	May 16		
			<b>Harvest Date</b>	Oct 19		

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 suitable to your growing region.

2 See table below for explanation of codes for special genetic traits. Although the Manitoba Corn Committee believes that information contained in this report is accurate, growers are advised to consult dealers of the respective hybrids before making purchasing or management decisions. Seeds Canada provides a database for corn hybrids available in Canada at <https://seeds-canada.ca/corn-hybrid-database>. Information provided includes technology, brand name and refuge requirements.

## Explanation of Codes for Special Genetic Traits

Code	GM Traits
4	Roundup Ready Corn 2
6	VT Double PRO
14	Agrisure GT
23	Optimum AcreMax
27	Agrisure Viptera 3220
30	PowerCore Enlist



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Genetics

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2100-2200 CHU  
75 DAY RM

Excellent tonnage

Tall hybrids with large, flex ears

Very good roots and standability

High quality silage

Extended chopping window

Ready to feed sooner

More digestible fibre

Highly available starch

Excellent for grazing

**928S**



2300-2400 CHU  
86 DAY RM

**932S**



2300-2400 CHU  
89 DAY RM



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# GRAIN CORN – MID SEASON

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## Comments:

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

Yields are corrected to 15.5% moisture content.

The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis on their website at <https://www.mbcropalliance.ca>

CHU <sup>1</sup>	Hybrid	Trait(s) <sup>2</sup>	MacGregor				St. Pierre			
			Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)
1925	TH6370 VT2P	6	126	21.8	50.2	59	105	17.6	54.2	60
1950	P6910AM	23	147	20.4	53.0	58	99	17.7	55.2	62
2025	A3979G2 RIB	6	179	23.2	55.6	60	112	17.5	56.9	61
2025	CX23072A/VT2P	6	142	21.9	54.6	59	108	17.2	55.9	61
2025	TH6072 VT2P	6	153	23.5	55.2	61	117	18.8	51.8	61
2050	MZ 1200DBR	6	156	22.3	54.7	59	112	17.7	52.4	61
2050	MZ 1231DBR	6	150	25.7	53.6	61	118	19.4	55.5	62
2050	P72068AM	23	128	22.1	53.8	60	117	17.2	56.7	61
2050	P7211AM	23	145	21.7	54.1	60	108	17.8	54.4	61
2075	DKC21-36RIB	6	177	24.3	54.9	61	124	17.9	54.8	62
2075	EXP072-23	6	135	23.0	50.2	61	126	18.9	56.8	61
2075	NS 271	6	137	22.5	52.3	60	113	16.8	57.6	62
2075	P7389AM	23	159	23.6	54.4	61	109	17.8	54.7	62
2075	TH6474 VT2P	6	173	24.3	55.9	60	103	19.5	55.1	61
2100	CP1440VT2P/RIB	6	163	26.8	57.4	64	109	19.5	55.2	64
2100	DKC24-06RIB	6	192	26.1	56.2	63	112	19.7	55.3	64
2100	P7455R	4	134	22.2	54.2	61	103	18.4	55.7	62
2100	PV 60273RIB	6	165	27.2	55.5	60	101	18.6	55.8	61
2125	DKC25-15RIB	6	145	24.8	52.0	63	112	19.0	57.3	63
2125	NS EXP75	6	159	24.9	55.5	60	122	20.2	55.4	61
2125	NS EXP75P	30	130	24.2	49.6	66	95	19.6	51.6	68
2150	P7527AM	23	177	24.9	51.8	62	99	20.2	52.5	63
2175	PV 61276RIB	6	142	26.7	54.6	60	104	19.7	56.1	61
2175	TH6977 VT2P	6	159	24.4	52.0	59	120	20.4	53.5	62
2200	A4494G2 RIB	6	157	26.5	53.6	61	122	21.4	52.8	62
2200	25-75	30	150	23.8	51.0	64	95	20.4	51.5	66
2225	TH6278 VT2P	6	194	23.9	58.6	61	135	18.8	54.9	64
2250	DKC28-25RIB	6	168	24.5	54.4	64	124	19.1	53.1	62
2250	HZ 1685	19	170	28.1	55.0	66	98	20.6	54.9	67
2250	MZ 1544DBR	6	177	28.2	52.7	64	135	18.0	53.9	64
2250	NS 277	6	168	24.4	52.8	62	121	18.1	54.9	63
2250	P7822AM	23	177	24.6	54.5	62	114	21.5	53.1	64
2250	P7844AM	23	138	24.7	53.6	64	85	19.3	54.8	64
2250	PV 61479RIB	6	155	25.8	53.2	61	118	20.5	54.2	64
2275	DLF 2333RR	4	170	32.8	56.5	62	128	22.7	55.5	64
2300	255	6	178	27.7	53.7	64	103	21.9	53.5	66
2300	A4646G2 RIB	6	192	26.2	55.8	64	107	19.1	53.8	66
2300	MZ 1688DBR	6	189	29.3	53.3	65	125	19.2	54.6	66
2300	PV 61180RIB	6	180	27.4	57.1	65	120	19.5	52.7	65
2300	X22080A/VT2P	6	147	26.6	54.6	64	111	20.2	54.3	66
2325	A4848G2 RIB	6	174	28.9	54.1	63	129	19.9	55.7	64
2325	DKC30-63RIB	6	158	25.0	54.9	61	119	18.4	55.0	64
2325	DLF 2495RR	4	186	33.5	56.6	63	117	25.4	53.1	65
2325	TH6380 VT2P	6	182	26.4	54.2	65	135	18.7	55.8	65
2325	X23081A/VT2P	6	155	21.8	53.9	60	102	16.5	54.1	61

CHU <sup>1</sup>	Hybrid	Trait(s) <sup>2</sup>	MacGregor				St. Pierre				
			Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)	
2350	NK7837-V	27	160	29.2	53.2	64	103	19.6	54.6	66	
2375	HZ 1912	28	185	26.9	53.9	62	103	19.4	55.6	65	
2400	NK8005-V	27	184	31.3	52.6	65	100	23.8	52.5	67	
2400	P82288AM	23	168	29.1	54.4	63	100	21.2	52.4	66	
2400	TH6182 VT2P	6	173	27.0	54.1	63	112	19.1	54.4	65	
2425	DKC31-85RIB	6	209	24.9	53.9	62	116	18.4	54.1	64	
2450	CP2288VT2P/RIB	6	187	28.8	56.1	65	112	21.4	51.3	66	
2450	DKC32-49RIB	6	158	27.2	52.6	64	118	20.7	51.9	65	
2450	P8407AM	23	171	31.3	50.7	65	104	25.2	50.6	67	
2500	DKC33-37RIB	6	187	30.3	52.9	65	120	19.8	53.1	65	
2500	PV 62384RIB	6	196	31.8	56.3	66	119	21.2	53.9	68	
2525	EXP8223-AA	27	168	29.6	53.7	65	102	21.2	52.4	67	
2550	EXP084-23	6	206	32.1	56.7	66	98	21.8	53.0	67	
2550	NK8204-V	27	179	29.6	54.0	69	98	22.1	53.8	70	
2550	P8537AM	23	180	31.1	53.7	65	108	23.4	51.4	66	
2550	P8588AM	23	165	28.9	56.2	65	102	20.6	53.6	67	
2550	PV 62485RIB	6	179	28.5	53.9	65	114	20.0	52.3	66	
			<b>Mean</b>	165	26.1	54.1	63	112	19.7	54.1	64
			CV (%)	10.3	4.9	5.3	1.2	9.7	3.8	3.3	1.1
			LSD (0.05)	23	1.7	—	1	15	1.0	2.4	1
			<b>Sig Diff</b>	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
<b>Planting Date</b>			May 23				May 25				
<b>Harvest Date</b>			Oct 12				Oct 13				

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 suitable to your growing region.

2 See table below for explanation of codes for special genetic traits. Although the Manitoba Corn Committee believes that information contained in this report is accurate, growers are advised to consult dealers of the respective hybrids before making purchasing or management decisions. Seeds Canada provides a database for corn hybrids available in Canada at <https://seeds-canada.ca/corn-hybrid-database>. Information provided includes technology, brand name and refuge requirements.

#### Explanation of Codes for Special Genetic Traits

Code	GM Traits
4	Roundup Ready Corn 2
6	VT Double PRO
19	Agrisure GT/CB/LL or Agrisure 3010
23	Optimum AcreMax
27	Agrisure Viptera 3220
28	Agrisure Above
30	PowerCore Enlist

# GRAIN CORN – LONG SEASON

## Comments:

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

CHU <sup>1</sup>	Hybrid	Trait(s) <sup>2</sup>	Carman				Rosebank			
			Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)
1925	TH6370 VT2P	6	142	19.3	53.1	58	199	19.4	56.6	60
1950	P6910AM	23	130	23.1	51.4	57	167	19.4	57.5	60
2025	A3979G2 RIB	6	141	20.5	52.9	59	184	21.0	56.4	61
2025	CX23072A/VT2P	6	144	19.5	53.5	58	178	18.4	57.8	61
2025	TH6072 VT2P	6	139	21.3	50.9	59	189	18.7	54.6	61
2050	P72068AM	23	133	20.0	52.6	58	185	20.5	57.5	60
2050	P7211AM	23	141	18.1	54.3	57	175	19.2	54.8	60
2075	DKC21-36RIB	6	157	21.5	51.1	60	212	20.7	56.0	62
2075	EXP072-23	6	154	23.5	48.8	59	204	20.9	57.4	60
2075	P7389AM	23	140	20.1	51.1	59	189	19.9	55.5	60
2075	TH6474 VT2P	6	154	22.6	52.6	60	193	20.5	57.4	61
2100	CP1440VT2P/RIB	6	166	23.4	50.4	63	211	21.9	55.0	64
2100	DKC24-06RIB	6	180	24.2	52.3	64	214	21.2	56.3	63
2100	P7455R	4	133	20.1	52.7	60	186	19.4	56.9	62
2125	DKC25-15RIB	6	164	24.1	52.3	63	194	21.3	56.4	64
2150	P7527AM	23	137	22.2	50.3	61	222	21.0	54.7	64
2175	PV 61276RIB	6	169	23.3	51.7	60	185	21.7	57.0	61
2175	TH6977 VT2P	6	154	22.3	51.1	59	212	21.6	55.4	61
2200	A4494G2 RIB	6	140	22.1	53.5	59	188	22.0	55.4	62
2225	TH6278 VT2P	6	171	22.8	49.7	63	215	20.2	54.9	63
2250	BY Brava RR2	4	167	25.5	53.4	64	210	26.5	53.9	65
2250	DKC28-25RIB	6	169	23.6	49.0	61	216	20.6	54.9	63
2250	MZ 1544DBR	6	175	24.5	49.9	63	230	21.3	53.4	65
2250	NS 277	6	158	23.7	50.6	63	208	20.6	55.2	64
2250	P7822AM	23	159	22.9	50.5	61	226	20.2	56.0	62
2250	P7844AM	23	146	24.0	50.7	61	200	21.2	54.5	63
2250	PV 61479RIB	6	163	23.1	51.5	63	205	22.0	54.9	64
2250	BY Guernsey VT2P RIB	6	162	29.5	51.0	63	232	28.5	53.2	63
2300	255	6	167	26.4	49.6	64	221	23.1	53.2	65
2300	A4646G2 RIB	6	149	23.5	51.9	63	222	22.8	53.9	64
2300	E49K32 R	6	161	25.2	49.0	65	228	22.4	53.4	65
2300	MZ 1688DBR	6	178	25.8	47.5	64	234	22.7	54.4	64
2300	PV 61180RIB	6	161	25.0	49.7	65	228	22.3	52.6	64
2300	X22080A/VT2P	6	174	25.2	50.6	64	179	22.9	53.3	65
2325	A4848G2 RIB	6	165	25.6	49.2	62	175	21.6	55.3	63
2325	DKC30-63RIB	6	150	23.5	50.3	63	206	21.0	55.6	65
2325	TH6380 VT2P	6	139	23.8	50.7	64	221	21.5	54.4	64
2350	NK7837-V	27	161	25.8	49.9	65	213	23.4	53.1	65
2375	HZ 1912	28	179	25.2	52.1	63	205	22.3	55.2	63
2400	A4939G2 RIB	6	148	24.0	49.9	65	226	22.0	53.8	65
2400	NK8005-V	27	163	27.1	49.5	65	234	23.7	52.4	66
2400	P82288AM	23	172	27.3	44.4	61	255	22.8	54.0	65
2400	TH6182 VT2P	6	168	24.6	49.3	64	216	21.4	53.8	63
2425	DKC31-85RIB	6	159	24.1	49.3	63	226	21.1	53.9	64
2450	BY Belmont RR2	4	158	29.8	47.5	65	228	23.9	51.9	67
2450	CP2288VT2P/RIB	6	182	25.4	50.1	63	217	23.2	54.9	64
2450	DKC32-49RIB	6	149	27.0	45.5	64	222	21.7	53.6	65
2450	HZ 2220	19	177	27.4	49.0	65	227	25.4	51.0	66
2450	MZ 2266DBR	6	148	26.4	51.8	64	236	22.8	54.7	64
2450	NS 283	6	156	28.5	49.1	65	206	25.8	49.7	70
2450	P8407AM	23	168	28.0	48.7	65	242	23.3	50.9	67
2450	THEX22-83 VT2P	6	180	24.6	50.2	65	231	22.8	53.4	68
2450	BYM2234003BV	6	163	26.2	49.8	64	245	23.0	53.2	64
2475	TH8483 DV	34	157	27.9	49.2	64	213	22.4	52.9	66
2500	DKC33-37RIB	6	163	26.9	50.8	64	248	23.9	53.5	65
2500	MZ 2344DBR	6	168	25.2	47.8	64	221	20.5	54.9	65
2500	PV 62384RIB	6	183	29.4	49.3	65	218	24.2	53.1	67
2525	EXP8223-AA	28	177	26.6	50.6	65	207	24.7	52.2	66
2525	X22084A/VT2P	6	153	26.2	48.2	64	239	23.3	51.6	65
2550	A5292G8 RIB	8	163	30.0	50.0	66	228	25.2	52.4	67

Yields are corrected to 15.5% moisture content.

The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis on their website at <https://www.mbcropalliance.ca>

CHU <sup>1</sup>	Hybrid	Trait(s) <sup>2</sup>	Winkler			
			Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)
1925	TH6370 VT2P	6	161	18.8	56.1	55
1950	P6910AM	23	144	19.5	55.7	55
2025	A3979G2 RIB	6	133	21.8	54.8	56
2025	CX23072A/VT2P	6	145	19.9	54.8	56
2025	TH6072 VT2P	6	159	19.5	54.8	56
2050	P72068AM	23	151	17.6	56.1	55
2050	P7211AM	23	176	21.7	54.1	55
2075	DKC21-36RIB	6	145	18.8	56.2	58
2075	EXP072-23	6	156	21.8	56.9	54
2075	P7389AM	23	163	23.2	54.3	57
2075	TH6474 VT2P	6	152	21.0	55.3	57
2100	CP1440VT2P/RIB	6	150	21.2	54.5	58
2100	DKC24-06RIB	6	159	17.6	56.8	60
2100	P7455R	4	162	18.9	55.5	56
2125	DKC25-15RIB	6	144	21.0	56.0	57
2150	P7527AM	23	171	19.9	55.1	59
2175	PV 61276RIB	6	178	23.8	52.4	56
2175	TH6977 VT2P	6	185	24.4	53.1	56
2200	A4494G2 RIB	6	157	21.4	54.5	56
2225	TH6278 VT2P	6	161	17.7	55.7	57
2250	BY Brava RR2	4	176	24.7	54.6	62
2250	DKC28-25RIB	6	156	19.1	55.8	58
2250	MZ 1544DBR	6	178	18.9	54.3	60
2250	NS 277	6	153	21.2	53.9	59
2250	P7822AM	23	180	20.0	54.3	60
2250	P7844AM	23	185	27.4	53.6	59
2250	PV 61479RIB	6	157	18.3	56.2	57
2250	BY Guernsey VT2P RIB	6	177	27.7	55.6	60
2300	255	6	164	21.9	53.8	60
2300	A4646G2 RIB	6	152	20.9	55.1	58
2300	E49K32 R	6	139	20.1	53.2	61
2300	MZ 1688DBR	6	173	21.4	54.1	59
2300	PV 61180RIB	6	169	21.9	53.7	60
2300	X22080A/VT2P	6	172	22.3	54.2	61
2325	A4848G2 RIB	6	183	21.6	53.8	59
2325	DKC30-63RIB	6	151	20.8	54.9	59
2325	TH6380 VT2P	6	182	26.2	53.2	60
2350	NK7837-V	27	173	23.4	52.7	59
2375	HZ 1912	28	171	22.1	53.7	59
2400	A4939G2 RIB	6	154	22.1	54.0	61
2400	NK8005-V	27	151	24.2	52.1	60
2400	P82288AM	23	145	22.2	53.7	60
2400	TH6182 VT2P	6	162	19.9	55.0	60
2425	DKC31-85RIB	6	180	23.5	53.3	59
2450	BY Belmont RR2	4	185	22.4	54.4	61
2450	CP2288VT2P/RIB	6	145	21.1	53.6	60
2450	DKC32-49RIB	6	164	20.8	53.7	59
2450	HZ 2220	19	149	20.2	55.1	63
2450	MZ 2266DBR	6	172	21.0	54.2	60
2450	NS 283	6	210	26.9	51.9	62
2450	P8407AM	23	162	22.2	52.7	62
2450	THEX22-83 VT2P	6	169	21.5	54.7	61
2450	BYM2234003BV	6	167	20.6	54.1	58
2475	TH8483 DV	34	180	25.3	51.9	60
2500	DKC33-37RIB	6	158	20.2	56.0	61
2500	MZ 2344DBR	6	182	22.8	53.5	61
2500	PV 62384RIB	6	159	20.7	55.0	62
2525	EXP8223-AA	28	154	23.1	53.4	62
2525	X22084A/VT2P	6	170	22.0	51.9	60
2550	A5292G8 RIB	8	174	19.9	55.5	62

(continued)

## GRAIN CORN – LONG SEASON (continued)

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CHU <sup>1</sup>	Hybrid	Trait(s) <sup>2</sup>	Carman				Rosebank			
			Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)
2550	EXP084-23	6	189	27.9	49.3	65	233	23.8	52.6	67
2550	NK8204-V	27	141	30.9	46.7	69	193	24.0	52.2	68
2550	P8537AM	23	176	27.2	48.7	64	233	24.3	51.4	67
2550	P8588AM	23	173	24.4	50.0	64	214	23.9	52.2	67
2550	PV 62485RIB	6	181	26.7	48.7	64	219	21.9	53.4	65
2550	TH6185 VT2P	6	153	29.8	50.0	65	248	25.7	51.3	66
2550	THEX23-85 VT2P	6	162	27.5	51.0	65	233	24.8	52.6	66
2575	DKC35-29RIB	6	188	27.0	49.3	64	237	24.5	52.0	67
2625	CP2585VT2P/RIB	6	169	28.1	48.9	66	261	24.2	51.6	68
2625	EXP8523-AA	28	175	29.3	48.8	68	269	27.7	48.5	71
2650	NK8519-DV	34	155	29.9	49.8	70	224	26.3	49.6	69
2650	NK8618-D	33	158	26.8	51.7	67	228	24.1	50.9	69
		<b>Mean</b>	160	25.0	50.2	63	216	22.5	53.9	64
		CV %	8.7	6.3	4.0	1.2	7.2	4.3	1.5	1.4
		LSD (0.05)	19	2.1	2.7	1	21	1.3	1.1	1
		Sig Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Planting Date</b>			May 22		May 10					
<b>Harvest Date</b>			Oct 11		Oct 4					

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 suitable to your growing region.

2 See table to the right for explanation of codes for special genetic traits. Although the Manitoba Corn Committee believes that information contained in this report is accurate, growers are advised to consult dealers of the respective hybrids before making purchasing or management decisions. Seeds Canada provides a database for corn hybrids available in Canada at <https://seeds-canada.ca/corn-hybrid-database>.

Information provided includes technology, brand name and refuge requirements.

## INDUSTRIAL HEMP

### Comments:

Hemp was last tested in 2022. The tables below are a reprint from Seed Manitoba 2023.

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

The requirement for THC testing for commercial production has been eliminated. THC testing remains a requirement for cultivators of pedigreed seed.

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 2024 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, refer to Health Canada's website at [www.healthcanada.gc.ca/hemp](http://www.healthcanada.gc.ca/hemp).

Note that Canadian Hemp Trade Alliance (CHTA) trials use a 20% CV cutoff value for data acceptance.

Variety performance varies depending on maturity at harvest, and end-use purpose. Both grain-type and dual-purpose varieties are measured for seed yield only.

Contact individual distributors for comments for variety best management practices.

### Site Comparisons - Dual Purpose Trial

Variety	Purpose	End Use	2022 Seed Yield lbs/acre		
			Arborg	Melita	Roblin
Alyssa	Dual		1739	2145	1688
Bialobrzeskie	Dual		1078	1144	709
Canda	Dual		1590	1951	1441
CRS-1	Dual		1941	2286	1362
Scarlett	Dual		1516	1988	1091
Silesia	Dual		1566	1849	1392
<b>Site Average</b>			1572	1894	1281
CV %			16.0	4.4	19.9
LSD (lbs/acre)			382	126	387
Sign Diff			Yes	Yes	Yes
<b>Seeding Date</b>			25-May	24-May	27-May
<b>Harvest Date</b>			27-Sep	06-Sep	26-Sep

CHU1	Hybrid	Trait(s) <sup>2</sup>	Winkler			
			Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)
2550	EXP084-23	6	164	25.1	52.0	61
2550	NK8204-V	27	180	24.0	53.3	63
2550	P8537AM	23	177	26.5	53.0	62
2550	P8588AM	23	173	21.9	54.0	62
2550	PV 62485RIB	6	181	22.3	53.4	61
2550	TH6185 VT2P	6	146	23.3	53.0	61
2550	THEX23-85 VT2P	6	180	23.8	53.4	61
2575	DKC35-29RIB	6	173	22.4	54.4	62
2625	CP2585VT2P/RIB	6	177	24.9	51.1	62
2625	EXP8523-AA	28	177	23.6	52.4	64
2650	NK8519-DV	34	162	28.8	52.0	64
2650	NK8618-D	33	164	22.4	52.7	65
<b>Mean</b>			165	22.0	54.1	59
CV %			12.7	14.9	3.4	1.7
LSD (0.05)			28	4.4	2.5	1
Sig Diff			Yes	Yes	Yes	Yes
<b>Planting Date</b>			May 23			
<b>Harvest Date</b>			Sep 30			

## Explanation of Codes for Special Genetic Traits

Code	GM Traits
4	Roundup Ready Corn 2
6	VT Double PRO
8	SmartStax
19	Agrisure GT/CB/LL or Agrisure 3010
23	Optimum AcreMax
27	Agrisure Viptera 3220
28	Agrisure Above
33	Duracade
34	Duracade Viptera

## (continued) INDUSTRIAL HEMP

## Site Comparisons - Grain Trial

Variety	End Use Purpose	2022 Seed Yield lbs/acre	
		Arborg	Melita
Bountiful	Grain	1663	948
CRS-1	Grain	2125	2122
Henola	Grain	2284	2164
Stalker	Grain	1893	1633
X-59	Grain	2370	1641
<b>Site Average</b>		2067	1702
CV %		16.2	14.5
LSD (lbs/acre)		—	379
Sign Diff		No	Yes
<b>Seeding Date</b>		25-May	24-May
<b>Harvest Date</b>		27-Sep	06-Sep

# Distributor Contacts for Listed Varieties in Seed Manitoba 2024

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

S  
P  
E  
C  
I  
A  
L  
  
C  
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## GRAIN CORN

255	NorthStar Genetics
25-75	Greenfield Genetics
A3979G2 RIB	PRIDE Seeds
A4494G2 RIB	PRIDE Seeds
A4646G2 RIB	PRIDE Seeds
A4848G2 RIB	PRIDE Seeds
A4939G2 RIB	PRIDE Seeds
A5292G8 RIB	PRIDE Seeds
BY Belmont RR2	BrettYoung
BY Brava RR2	BrettYoung
BY Guernsey VT2P RIB	BrettYoung
BYM2234003BV	BrettYoung
CP1440VT2P/RIB	CROPLAN
CP2288VT2P/RIB	CROPLAN
CP2585VT2P/RIB	CROPLAN
CX23072A/VT2P	CROPLAN
DKC20-23RIB	DEKALB
DKC21-36RIB	DEKALB
DKC24-06RIB	DEKALB
DKC25-15RIB	DEKALB
DKC28-25RIB	DEKALB
DKC30-63RIB	DEKALB
DKC31-85RIB	DEKALB
DKC32-49RIB	DEKALB
DKC33-37RIB	DEKALB
DKC35-29RIB	DEKALB
DLF 2158VT2P RIB	DLF Canada
DLF 2333RR	DLF Canada
DLF 2495RR	DLF Canada
E49K32 R	Maizex Seeds
EXP072-23	DEKALB
EXP084-23	DEKALB
EXP8223-AA	Syngenta Canada
EXP8523-AA	Syngenta Canada
HZ 1265	Horizon Seeds
HZ 1685	Horizon Seeds
HZ 1912	Horizon Seeds
HZ 2220	Horizon Seeds
MZ 1200DBR	Maizex Seeds
MZ 1231DBR	Maizex Seeds
MZ 1544DBR	Maizex Seeds
MZ 1688DBR	Maizex Seeds
MZ 2266DBR	Maizex Seeds
MZ 2344DBR	Maizex Seeds
NK7837-V	Syngenta Canada
NK8005-V	Syngenta Canada
NK8204-V	Syngenta Canada
NK8519-DV	Syngenta Canada
NK8618-D	Syngenta Canada
NS 271	NorthStar Genetics
NS 277	NorthStar Genetics
NS 283	NorthStar Genetics
NS EXP75	NorthStar Genetics
NS EXP75P	NorthStar Genetics
P6910AM	Pioneer brand Seed
P72068AM	Pioneer brand Seed
P7211AM	Pioneer brand Seed
P7389AM	Pioneer brand Seed
P7455R	Pioneer brand Seed
P7527AM	Pioneer brand Seed
P7822AM	Pioneer brand Seed
P7844AM	Pioneer brand Seed
P82288AM	Pioneer brand Seed
P8407AM	Pioneer brand Seed
P8537AM	Pioneer brand Seed
P8588AM	Pioneer brand Seed
PV 60273RIB	Proven Seed
PV 61180RIB	Proven Seed
PV 61276RIB	Proven Seed
PV 61479RIB	Proven Seed

## GRAIN CORN

PV 62384RIB	Proven Seed
PV 62485RIB	Proven Seed
TH6072 VT2P	Thunder Seed
TH6182 VT2P	Thunder Seed
TH6185 VT2P	Thunder Seed
TH6278 VT2P	Thunder Seed
TH6370 VT2P	Thunder Seed
TH6380 VT2P	Thunder Seed
TH6474 VT2P	Thunder Seed
TH6977 VT2P	Thunder Seed
TH8483 DV	Thunder Seed
THEX22-83 VT2P	Thunder Seed
THEX23-85 VT2P	Thunder Seed
X22080AVT2P	CROPLAN
X22084AVT2P	CROPLAN
X23081AVT2P	CROPLAN

## HEMP

Alyssa	Parkland Industrial Hemp Growers
Bialobrzeskie	International Hemp
Bountiful	Tom Benson
Canda	Parkland Industrial Hemp Growers
CRS-1	Verve Seeds
Henola	International Hemp
Indigo	Verve Seeds
Marie	Fresh Hemp Foods Ltd.
Scarlett	Verve Seeds
Silesia	UniSeeds
Stalker	Tom Benson
Vega	Fresh Hemp Foods Ltd.
X-59	Tom Benson

## DISTRIBUTOR

## PHONE NUMBER

Bayer CropScience Canada Ltd. (DEKALB) .....	1-888-283-6847
BrettYoung.....	1-800-665-5015
Ceres Global Seeds (Horizon Seeds).....	1-888-974-7246
Corteva AgriScience (Pioneer Brand Seeds) .....	1-800-667-3852
DLF Picksseed Canada Inc. (DLF Canada) .....	1-204-633-0088
Fresh Hemp Foods Ltd. .....	1-800-665-4367
Fraser Seeds Ltd (Greenfield Genetics) .....	1-604-857-3355
International Hemp.....	1-833-937-4367
Maizex Seeds Inc. (Maizex Seeds) .....	1-877-682-1720
NorthStar Genetics Ltd. (NorthStar Genetics) .....	1-204-262-2425
Nutrien Ag Solutions (Proven Seed) .....	1-855-569-9444
Parkland Industrial Hemp Growers .....	1-204-629-4367
PRIDE Seeds.....	1-800-265-5280
Syngenta Canada (NK).....	1-877-964-3682
Thunder Seed Canada Inc. (Thunder Seed) .....	1-888-684-8633
Tom Benson .....	1-306-540-9339
UniSeeds.....	1-519-319-1361
Verve Seeds .....	1-204-821-0522
WinField United Canada (CROPLAN) .....	1-888-975-4769



# 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.

### AGASSIZ

Morden; Springfield Mills Inc. .... 204-362-0513 S

### HORIZON

Morden; Springfield Mills Inc. .... 204-362-0513 R

### KOMA

Dauphin; Fisher Seeds Ltd. .... 204-622-8800 R C

### MANCAN

Notre Dame De Lourdes; Durand Seeds Inc. .... 204-248-2268 S F C  
Reinland; Ens Farms Ltd. .... 204-325-4658 C

## CANARY SEED

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

### CDC LUMIO

Reston; Avondale Seed Farm Ltd. .... 204-877-3813 R

## INDUSTRIAL HEMP

### CANDA

Grandview; Triple S Seeds Ltd. .... 204-638-2004 C

### FINOLA

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



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Finn says,  
**"PEDIGREE DOESN'T  
ALWAYS MATTER IN DOGS,  
BUT IT DOES IN THE FIELD."**

A golden retriever dog is sitting in a field of ripe wheat. The sun is setting in the background, casting a warm orange glow over the scene. The dog is looking slightly to the right with its tongue out, appearing happy and content.

## NOTICE

DID YOU BUY SEED FROM YOUR NEIGHBOUR?  
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Association

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Phone: 204-745-7940  
[www.seedmanitoba.ca](http://www.seedmanitoba.ca)

# Forage Crops

## Key to 2023 Yield or Quality 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 = Least Significant Difference. Varieties must differ by the LSD to be considered significantly different from one another.

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

© 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.

## 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.



# Manitoba Agriculture Variety Guide

## FORAGE ADAPTATION & COMPARISON GUIDE

### LEGUMES

Forage	Primary Use	Longevity	Winter Hardiness	Tolerance to:			Preferred Climate and Growing Conditions
				Drought	Flooding	Salinity	
Alfalfa	Hay & Pasture	Long	Good	Good	Low	Low to Moderate	Widely adapted to most Manitoba soils but will not tolerate areas that have periodic flooding.
Alsiike Clover	Hay & Pasture	Short	Fair	Poor	Moderate	Low	Low-lying moist areas.
Birdsfoot Trefoil	Hay & 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 habit best on more coarse textured soils.
Kura Clover	Pasture	Long	Good	Moderate	Moderate	Unknown	Tolerates low fertility and soil acidity, wet soils and some flooding.
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	Short to Long	Good	Poor	Low to Moderate	Low	Prefers well drained silt loams to clay soils that have a consistent supply of moisture.
White Clover	Hay & Pasture	2-years	Fair	Moderate to High	Low	Moderate	Especially productive on fertile soils.

### TAME GRASSES

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

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

Forage	Use	Longevity	Winter Hardiness	Tolerance to:			Preferred Climate and Growing Conditions
				Drought	Flooding	Salinity	
Kentucky Blue Grass	Pasture	Long	Excellent	Moderate	Moderate	Low	Prefers cool and humid. Grows on most soils.
Meadow Bromegrass	Hay & Pasture	Long	Good	High	Low	Low	Grows well on most soils where Smooth Brome does well.
Meadow Fescue	Pasture	Short - Medium	Good	Moderate	High	Low to Moderate	Prefers soil with good moisture and good drainage.
Meadow Foxtail	Pasture	Long	Good	Low	High	Low	Prefers cool moist conditions. High water table.
Orchard grass	Hay & Pasture	Short	Fair	Moderate	Low to Moderate	Low	Prefers moist conditions. Sandy soils are too dry for good growth unless in high rainfall area.
Perennial Ryegrass	Hay & Pasture	Short	Poor	Low	Low	Low	Needs high precipitation and fertility for high yields. Adapted to a wide range of soils.
Pubescent Wheatgrass	Hay & Pasture	Medium	Good	Moderate to High	Low	Low to Moderate	Widely adaptable with respect 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	Hay & 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 & Riperian	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 — Forage Adaptation & Comparison Guide

# SILAGE CORN

## Comments:

The silage corn hybrid trials were tested and the data released by the Manitoba Corn Committee (MCC)

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

All hybrids were evaluated at a target plant population of 32,000 plants per acre.

CHU <sup>1</sup> Rating	Hybrid	Trait <sup>2</sup>	Elm Creek							
			65% Yield (Mt/ac)	Moisture <sup>3</sup> (%)	50% Silk (days)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre <sup>4</sup> (lbs/ac)	Beef/Acre <sup>5</sup> (lbs/ac)
2025	CX23072A/VT2P	6	19.4	53.4	55	72.8	24.2	42.2	23213	1808
2100	CP1440VT2P/RIB	6	22.3	56.1	60	71.1	25.7	44.6	27145	2040
2100	CSX22077A/RR	4	25.0	62.5	61	71.9	25.0	43.7	30143	2310
2150	913S	4	26.0	57.4	62	74.0	23.0	43.4	31362	2469
2150	BY Guernsey VT2P RIB	6	26.6	59.9	60	73.7	23.3	42.1	30892	2517
2200	AS1018G2 EDF	6	23.3	60.5	61	74.1	23.0	41.5	27966	2217
2200	DLF 2320RR	4	23.4	58.0	59	77.6	19.7	40.5	27975	2324
2200	PV 61177SRR	4	23.7	58.3	62	76.4	20.8	38.4	28771	2326
2200	Riel	14	25.0	62.6	61	72.4	24.5	47.1	29150	2327
2250	BY Brava RR2	4	25.2	61.9	62	71.9	25.0	48.1	29870	2321
2250	HZ 1685	19	23.1	58.3	63	73.3	23.8	41.9	27666	2170
2250	MS 8022R	4	27.9	62.9	60	73.9	23.2	41.4	33548	2647
2275	924S	4	24.8	65.7	67	68.9	27.9	52.7	31771	2194
2275	DLF 2333RR	4	25.2	61.0	61	78.0	19.4	36.3	31001	2523
2300	DLF 2334VT2P RIB	6	26.1	62.7	62	77.9	19.4	36.9	31398	2609
2300	TH6180 VT2P	6	23.2	60.4	57	73.2	23.8	42.2	28525	2176
2300	X22080AVT2P	6	19.9	62.6	63	69.0	27.7	50.5	24438	1766
2325	928S	4	22.2	65.4	66	70.1	26.8	47.7	27091	1997
2325	DKC30-63RIB	6	23.2	59.8	61	73.9	23.2	41.1	28399	2202
2325	DLF 2495RR	4	28.3	59.7	62	74.0	23.1	40.8	35638	2687
2350	AS1028G2 EDF	6	27.9	55.8	64	77.0	20.2	42.3	34202	2756
2350	HZ 1831	19	23.2	62.9	63	69.7	27.1	50.7	27706	2073
2350	HZ 675	19	22.4	58.8	64	69.5	27.3	50.4	26824	2001
2350	NK7837-V	27	23.5	60.8	62	72.6	24.4	43.7	28604	2186
2350	NS EXP83T	6	25.2	57.6	59	75.7	21.5	43.1	31181	2448
2350	PV 62181SRIB	6	22.8	62.7	59	74.7	22.5	44.3	26571	2186
2350	BYM2234003BV	6	23.7	58.1	60	80.8	16.7	32.4	29217	2457
2400	932S	4	24.7	65.3	70	72.5	24.5	47.4	29784	2301
2400	AS1047RR EDF	4	27.7	63.7	63	71.0	25.9	48.7	34078	2527
2400	NK8005-V	27	24.7	60.2	62	79.5	17.9	34.5	30205	2524
2425	DKC31-85RIB	6	20.6	59.5	61	74.0	23.1	40.0	24480	1956
2425	NS EXP90S	4	25.6	67.2	74	71.3	25.6	46.9	29970	2341
2450	BY Belmont RR2	4	23.4	60.3	64	72.9	24.1	43.1	28189	2192
2450	CP2288VT2P/RIB	6	22.5	60.4	62	78.3	19.0	35.5	27228	2261
2450	DLF ExSeed LF RR	4	26.1	66.7	68	72.3	24.7	43.9	31716	2423
2450	HZ 2220	19	26.9	61.7	64	72.7	24.3	46.9	32538	2504
2450	MS 8270R	4	31.2	59.2	63	74.7	22.4	40.5	38296	2987
2475	PV 62683SRR	4	27.0	62.1	60	77.4	19.8	39.8	33070	2685
2475	TH8483 DV	34	25.2	57.2	62	68.4	28.3	48.6	31268	2212
2500	DKC33-37RIB	6	23.0	60.1	63	75.7	21.4	38.8	28198	2232
2500	Maxx	14	25.3	64.6	66	71.3	25.6	46.0	30695	2313
2525	DLF ExAmine LFF RR	4	22.9	62.2	66	75.1	22.1	45.6	25342	2205
2525	EXP8223-AA	28	24.3	63.0	64	77.7	19.6	40.9	29826	2422
2525	X22084AVT2P	6	22.4	62.5	61	73.6	23.4	41.8	27332	2120
2550	EXP084-23	6	25.7	60.0	64	72.6	24.4	43.3	31372	2397
2550	HX 2511	14	22.9	67.3	71	69.2	27.6	48.2	27676	2029
2550	MS 8632R	4	24.3	63.7	65	80.7	16.8	33.2	30743	2520
2550	NK8204-V	27	22.7	58.3	64	74.4	22.7	40.0	27200	2165
2550	TH6185 VT2P	6	22.4	60.5	63	68.4	28.3	49.0	27185	1967
2600	DKC36-48RIB	6	23.5	61.7	64	76.3	21.0	38.3	28690	2296
2600	HZ 3050	33	26.3	65.5	68	70.7	26.2	50.3	30523	2389
2625	CP2585VT2P/RIB	6	23.2	65.5	65	74.3	22.8	39.7	27847	2212
2625	CSX22086A/RR	4	24.9	63.3	65	71.7	25.2	44.9	29742	2289
2625	EXP8523-AA	28	25.8	64.2	67	76.8	20.5	38.8	30997	2544
2650	A5686G2 RIB	6	30.4	58.8	63	70.3	26.6	45.8	36660	2741
2650	CP2790VT2P/RIB	6	21.4	64.8	64	71.8	25.1	44.0	25981	1968

Yields are corrected to 65% moisture.

The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis on their website at <https://www.mbcropalliance.ca>.

CHU <sup>1</sup> Rating	Hybrid	Trait <sup>2</sup>	St Pierre							
			65% Yield (Mt/ac)	Moisture <sup>3</sup> (%)	50% Silk (days)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre <sup>4</sup> (lbs/ac)	Beef/Acre <sup>5</sup> (lbs/ac)
2025	CX23072A/VT2P	6	14.0	38.8	61	71.6	31.7	53.5	16814	1290
2100	CP1440VT2P/RIB	6	13.4	57.7	65	67.9	25.1	44.8	15422	1165
2100	CSX22077A/RR	4	13.6	59.1	65	65.9	19.1	37.2	15373	1151
2150	913S	4	14.9	55.2	66	67.4	22.5	41.5	17399	1291
2150	BY Guernsey VT2P RIB	6	13.6	56.1	63	66.6	22.4	41.3	15540	1164
2200	AS1018G2 EDF	6	13.8	54.1	65	65.0	20.1	38.4	15032	1152
2200	DLF 2320RR	4	11.9	53.3	63	67.9	15.9	33.2	14214	1034
2200	PV 61177SRR	4	14.2	59.9	64	66.5	23.6	43.2	16098	1213
2200	Riel	14	11.2	60.8	64	67.8	28.7	50.7	12509	974
2250	BY Brava RR2	4	13.4	60.3	65	67.9	27.7	48.5	15415	1170
2250	HZ 1685	19	13.7	59.6	67	65.1	25.7	45.8	14378	1148
2250	MS 8022R	4	15.8	58.6	63	64.7	24.2	43.5	16766	1315
2275	924S	4	12.3	64.4	72	67.3	27.5	48.8	13503	1061
2275	DLF 2333RR	4	12.9	57.5	64	69.3	28.0	49.3	15063	1148
2300	DLF 2334VT2P RIB	6	15.4	58.2	64	66.1	25.1	45.4	17150	1311
2300	TH6180 VT2P	6	10.8	54.4	63	65.8	23.9	42.7	11767	907
2300	X22080A/VT2P	6	13.8	59.5	64	66.8	22.5	42.4	15791	1181
2325	928S	4	10.9	64.5	70	64.6	27.1	51.7	11061	906
2325	DKC30-63RIB	6	12.3	58.4	64	65.6	23.0	42.0	13566	1038
2325	DLF 2495RR	4	14.9	58.1	65	68.2	27.0	47.0	17300	1303
2350	AS1028G2 EDF	6	14.3	54.6	66	72.6	34.1	56.8	17040	1334
2350	HZ 1831	19	12.8	59.6	67	66.4	24.2	44.5	14386	1092
2350	HZ 675	19	14.1	59.6	67	66.4	24.2	44.0	15763	1198
2350	NK7837-V	27	12.3	52.6	65	67.3	25.4	45.9	13933	1059
2350	NS EXP83T	6	14.7	58.6	63	68.6	32.7	54.9	15817	1289
2350	PV 62181SRIB	6	14.6	55.7	62	67.3	25.4	45.5	16565	1258
2350	BYM2234003BV	6	15.2	54.5	65	66.7	25.0	44.3	17204	1296
2400	932S	4	12.7	63.2	73	71.8	31.2	54.0	15288	1171
2400	AS1047RR EDF	4	13.9	66.3	67	66.6	27.4	49.0	15100	1184
2400	NK8005-V	27	12.7	57.1	67	66.5	22.6	42.7	14329	1083
2425	DKC31-85RIB	6	15.2	52.9	64	65.6	22.3	40.9	16892	1278
2425	NS EXP90S	4	11.1	70.3	77	64.6	28.5	49.9	11302	917
2450	BY Belmont RR2	4	13.6	59.6	67	65.1	22.3	41.7	14843	1135
2450	CP2288VT2P/RIB	6	13.2	60.4	67	66.7	13.1	29.7	15289	1131
2450	DLF ExSeed LF RR	4	13.5	64.5	72	66.6	26.4	47.6	14980	1156
2450	HZ 2220	19	14.8	58.7	66	70.0	33.0	54.8	17019	1332
2450	MS 8270R	4	14.6	59.8	65	66.4	26.3	46.7	16077	1239
2475	PV 62683SRR	4	16.1	60.5	63	67.7	25.4	45.6	18315	1397
2475	TH8483 DV	34	14.7	55.9	65	68.7	29.1	50.7	16677	1293
2500	DKC33-37RIB	6	13.8	59.5	66	65.9	20.8	39.6	15552	1169
2500	Maxx	14	12.9	66.3	72	64.9	26.2	46.6	13647	1073
2525	DLF ExAmine LFF RR	4	11.3	63.0	70	66.9	29.6	52.7	12127	966
2525	EXP8223-AA	28	12.4	60.1	67	69.0	28.4	49.5	14361	1100
2525	X22084A/VT2P	6	12.5	59.3	66	69.4	27.9	48.2	14605	1117
2550	EXP084-23	6	13.4	59.2	67	67.6	27.8	49.2	15165	1164
2550	HX 2511	14	13.7	65.0	74	65.8	27.9	47.8	14644	1158
2550	MS 8632R	4	14.4	65.2	70	65.8	23.6	43.4	15806	1215
2550	NK8204-V	27	12.1	58.8	69	66.6	24.2	44.6	13584	1029
2550	TH6185 VT2P	6	13.6	61.5	66	68.7	26.6	47.0	15867	1199
2600	DKC36-48RIB	6	12.4	62.0	68	67.3	31.4	53.6	13440	1068
2600	HZ 3050	33	13.7	66.0	75	66.3	27.3	49.1	14994	1164
2625	CP2585VT2P/RIB	6	13.5	64.5	68	65.1	24.4	46.6	14385	1131
2625	CSX22086A/RR	4	13.0	64.8	69	70.3	31.3	51.8	14979	1176
2625	EXP8523-AA	28	14.7	63.0	69	65.9	24.6	45.0	16409	1247
2650	A5686G2 RIB	6	13.4	64.6	67	67.6	26.8	47.2	15013	1159
2650	CP2790VT2P/RIB	6	13.3	63.1	67	67.0	23.8	41.8	15197	1144

(continued)

**SILAGE CORN (continued)**

CHU <sup>1</sup> Rating	Hybrid	Trait <sup>2</sup>	Elm Creek							
			65% Yield (Mt/ac)	Moisture <sup>3</sup> (%)	50% Silk (days)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre <sup>4</sup> (lbs/ac)	Beef/Acre <sup>5</sup> (lbs/ac)
2650	HZ 878	27	28.2	68.3	68	76.5	20.7	37.4	33684	2769
2650	NK8519-DV	34	27.0	66.3	67	72.1	24.9	47.5	31341	2495
2650	NK8618-D	33	23.1	63.6	65	67.3	29.3	55.0	28257	1999
2675	CP2845VT2PRIB	6	23.4	64.6	63	71.6	25.4	44.0	28637	2144
2700	HZ 3386	33	25.5	61.7	66	70.4	26.4	47.1	30945	2300
2700	Prime	18, 33, 34	24.9	67.1	69	70.8	26.1	46.0	30646	2259
2725	CP2972SS/RIB	8	25.9	63.2	65	79.2	18.2	33.5	31434	2629
2725	DKC39-55RIB	6	26.3	60.7	65	74.2	22.8	41.1	31662	2501
2725	NK8920-D	33	24.1	66.8	67	73.0	24.0	45.4	28796	2257
2725	NK9023-DV	34	23.4	65.5	67	73.5	23.6	46.8	26710	2209
2750	Dalton	19, 33	24.9	67.7	66	70.6	26.3	49.8	30652	2256
2750	LFG 8755R	4	26.2	65.9	72	65.7	30.8	55.7	32391	2208
2750	NK9175-DV	34	24.3	67.3	68	77.6	19.7	36.0	29405	2417
<b>Mean</b>			24.4	61.3	63					
CV %			10.4	4.4	1.4					
LSD (0.05)			3.4	3.6	1					
Sig diff			Yes	Yes	Yes					
<b>Planting Date</b>			May 20							
<b>Harvest Date</b>			Sept 7							

CHU <sup>1</sup> Rating	Hybrid	Trait <sup>2</sup>	Arborg <sup>6</sup>							
			65% Yield (Mt/ac)	Moisture <sup>3</sup> (%)	50% Silk (days)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre <sup>4</sup> (lbs/ac)	Beef/Acre <sup>5</sup> (lbs/ac)
1925	TH6370 VT2P	6	14.9	43.6	70	73.3	23.7	44.2	18187	1399
2000	MS 6960R	4	11.3	49.8	71	65.8	30.8	53.6	14191	954
2025	CX23072A/VT2P	6	13.6	60.3	76	74.7	22.4	41.8	16667	1305
2075	DKC21-36RIB	6	11.9	47.6	71	74.6	22.5	41.9	14338	1139
2075	EXP072-23	6	13.0	54.5	71	73.1	23.9	44.3	15667	1216
2100	CP1440VT2P/RIB	6	15.6	57.2	72	79.3	18.1	35.4	19328	1587
2100	CSX22077A/RR	4	15.0	56.6	73	72.8	24.2	44.2	18474	1400
2100	DKC24-06RIB	6	13.9	52.8	72	75.3	21.8	41.3	16951	1341
2100	PV 60273RIB	6	15.6	50.2	71	78.0	19.3	38.3	19083	1564
2100	Rustler	14	12.7	52.8	73	73.5	23.5	43.6	15404	1200
2150	913S	4	15.7	57.6	75	71.4	25.5	45.6	19143	1434
2150	MZ 1340DBR	6	13.4	49.9	71	77.7	19.6	37.9	16629	1337
2200	AS1018G2 EDF	6	17.6	48.5	71	75.8	21.4	41.2	21702	1712
2200	DLF 2320RR	4	13.2	53.2	72	73.0	24.0	43.5	16309	1232
2200	MS 7420R	4	13.5	48.5	71	67.3	29.3	51.7	16352	1164
2200	PV 61177SRR	4	14.3	57.6	73	75.5	21.7	40.6	17255	1382
2200	Riel	14	16.5	58.3	71	71.7	25.3	45.9	20531	1516
2225	TH6278 VT2P	6	15.2	56.4	72	78.4	19.0	36.7	18484	1529
2250	HZ 1685	19	14.4	59.6	75	73.2	23.8	43.6	17219	1350
2250	MS 8022R	4	17.1	59.0	72	75.0	22.2	41.8	21253	1648
2275	924S	4	15.9	64.3	81	75.4	21.8	41.4	18659	1542
2275	DLF 2333RR	4	16.0	58.1	71	75.0	22.1	41.2	19431	1536
2300	TH6180 VT2P	6	16.2	55.4	71	75.1	22.1	40.5	19825	1558
2300	X22080A/VT2P	6	12.6	61.2	79	72.2	24.8	44.3	15297	1162
2325	928S	4	15.4	64.3	80	69.1	27.7	50.3	17635	1369
2325	DLF 2495RR	4	17.6	60.8	73	73.9	23.1	42.5	22016	1669
2350	AS1028G2 EDF	6	17.4	54.6	76	73.4	23.6	43.3	21676	1635
2350	HZ 1831	19	13.8	60.1	75	75.2	21.9	43.0	16524	1328
2350	HZ 675	19	13.6	61.3	76	71.5	25.4	46.5	16326	1243
2350	NK7837-V	27	15.2	54.8	75	78.2	19.2	37.9	18594	1523
2400	A4705HMRR	4	14.8	60.7	70	72.6	24.4	44.1	18194	1382
2400	NK8005-V	27	16.5	56.2	74	76.7	20.5	38.5	20183	1624
2450	HZ 2220	19	15.0	61.3	76	72.2	24.7	45.2	18433	1394
2525	EXP8223-AA	28	12.4	42.2	70	76.5	20.8	39.7	15015	1216
2525	X22084A/VT2P	6	14.6	60.7	74	75.3	21.9	41.0	17655	1407
2550	NK8204-V	27	18.0	59.7	76	74.5	22.6	41.5	22103	1720
<b>Mean</b>			14.8	55.8	73					
CV %			11.72	4.85	1.97					
LSD (0.05)			2.4	3.7	2					
Sig diff			Yes	Yes	Yes					
<b>Planting Date</b>			May 15							
<b>Harvest Date</b>			Sept 22							

See footnotes 1-6 on facing page

CHU <sup>1</sup> Rating	Hybrid	Trait <sup>2</sup>	St Pierre							
			65% Yield (Mt/ac)	Moisture <sup>3</sup> (%)	50% Silk (days)	TDN	ADF	NDF	Milk/Acre <sup>4</sup> (lbs/ac)	Beef/Acre <sup>5</sup> (lbs/ac)
2650	HZ 878	27	12.3	67.0	75	66.1	25.3	47.0	13572	1043
2650	NK8519-DV	34	11.0	66.5	74	63.6	26.1	46.4	11135	899
2650	NK8618-D	33	13.2	59.0	69	65.8	23.4	40.7	14633	1114
2675	CP2845VT2PRIB	6	15.4	60.1	67	66.9	27.0	47.8	17260	1323
2700	HZ 3386	33	14.2	66.0	75	67.7	28.2	48.4	15776	1234
2700	Prime	18, 33, 34	14.0	66.6	73	66.2	23.7	43.4	15577	1188
2725	CP2972SS/RIB	8	13.4	61.4	69	67.5	29.4	50.6	14889	1158
2725	DKC39-55RIB	6	13.4	63.6	69	65.8	28.4	50.9	14334	1129
2725	NK8920-D	33	13.0	64.3	71	67.5	26.5	47.2	14782	1124
2725	NK9023-DV	34	12.4	65.7	74	64.8	22.2	42.7	13308	1034
2750	Dalton	19, 33	11.9	61.9	71	66.2	23.7	43.4	13227	1009
2750	LFG 8755R	4	12.1	68.6	77	65.0	28.0	49.1	12672	1010
2750	NK9175-DV	34	13.4	66.4	72	67.5	31.2	54.3	14667	1161
<b>Mean</b>			13.4	60.0	67					
CV %			12.5	4.4	1.2					
LSD (0.05)			2.3	3.6	1					
Sig diff			Yes	Yes	Yes					
<b>Planting Date</b>			May 25							
<b>Harvest Date</b>			Sept 14							

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 suitable to your growing region.

2 See table below for explanation of codes for special genetic traits. Although the Manitoba Corn Committee believes that information contained in this report is accurate, growers are advised to consult dealers of the respective hybrids before making purchasing or management decisions. Seeds Canada provides a database for corn hybrids available in Canada at <https://seeds-canada.ca/corn-hybrid-database>. Information provided includes technology, brand name and refuge requirements.

3 Moisture content at harvest

4 Milk per Acre was calculated using MILK2006, 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.

6 The Arborg site had frost on September 13. Temperature was approximately -2C for 3 hours.

### Explanation of Codes for Special Genetic Traits

Code	GM Traits
4	Roundup Ready Corn 2
6	VT Double PRO
8	SmartStax
14	Agrisure GT
18	Agrisure 3000 GT or Agrisure 3011
19	Agrisure GT/CB/LL or Agrisure 3010
27	Agrisure Viptera 3220
28	Agrisure Above
33	Duracade
34	Duracade Viptera

# ANNUAL FORAGE

The MCVET Annual Forage trials evaluated different crop types and varieties for forage yield and quality for livestock feed.

Annual crops are more moisture efficient than perennial forages such as alfalfa or timothy.

Both warm (sorghum, millet) and cool season crops were included in the trials. Warm season crops are more drought and heat tolerant than cool season crops.

Varieties were selected for their higher grain yield, taller growth, lodging resistance, smooth awns and better disease resistance.

Quality is highly dependent on plant maturity at harvest. For optimum quality: harvest barley at early-mid dough stage; oats & triticale at milk-early dough stage; peas at full pod formation; millet and sorghum at early heading.

## Variety Descriptions

Variety descriptions for wheat, barley and oat crop types can be found in the Cereal Crops section of SEED Manitoba 2024 page 22.

Field pea variety information can be found on page 86.

## TRITICALE

Variety	Days to Maturity (+/- Banjo)	Resistance Level:				
		Lodging	Stem Rust	Leaf Rust	Bunt	Fusarium
AC Alta	-1	G	R	R	R	—
AC Certa	-3	G	R	R	R	I
Banjo	100 days	G	R	R	R	—
Pronghorn	-4	G	R	R	R	I
SANDRO	-3	G	R	R	R	—

	Seed Color	Seed Size (seeds/lb)	Days to Head	Days to Maturity
<b>FOXTAIL MILLET</b>				
Yellow (Golden German)	Yellow	160-170,000	75-90	85-95
Red (Siberian)	Red	169-170,000	55-70	70-90
<b>PROSO MILLET</b>				
Green (Crown)	Gray/Green	70-90,000	50-60	85-90
Red (Cerise)	Red	70-90,000	50-60	85
Yellow (AC Prairie Gold)	Yellow	70-90,000	50-60	75
<b>SORGHUM</b>				
Forage Sorghum	—	—	—	85-90
Sorghum Sudangrass	—	—	—	80-85

Seed source for millet & sorghum Imperial Seed

Seed source for triticale Zeghers Seed

## Quality Comparisons

Crop	Variety	RFV (%) <sup>2</sup>					
		Arborg	Carberry	Carman	Melita	Roblin	Average
Oats	CDC Haymaker <sup>3</sup>	100	102	118	99	120	
Oats	CDC Arborg <sup>4</sup>	98	95	138	104	124	
Oats	CDC Endure <sup>4</sup>	102	99	145	105	137	
Oats	OT6036	109	98	131	105	114	
<b>Oat Average</b>		<b>103</b>	<b>99</b>	<b>133</b>	<b>105</b>	<b>125</b>	<b>113</b>
Barley	AB Advantage <sup>4</sup>	138	151	176	166	168	
Barley	AB Tofield <sup>4</sup>	162	125	187	147	177	
Barley	CDC Renegade <sup>4</sup>	150	179	149	148	172	
<b>Barley Average</b>		<b>150</b>	<b>152</b>	<b>171</b>	<b>154</b>	<b>172</b>	<b>160</b>
Peas/Barley	CDC Lewochko <sup>4</sup> - AB Advantage <sup>4</sup>	109	223	123	87	118	
Peas/Oats	CDC Lewochko <sup>4</sup> - CDC Arborg <sup>4</sup>	116	115	116	127	100	
<b>Pea/cereal Average</b>		<b>113</b>	<b>169</b>	<b>120</b>	<b>107</b>	<b>109</b>	<b>123</b>
Spring Triticale	Pronghorn <sup>5</sup>	122	137	126	112	145	128
Proso Millet	Crown <sup>5</sup>	108	99	106	109	109	
Foxtail Millet	Siberian <sup>5</sup>	98	94	131	101	104	
<b>Millet Average</b>		<b>103</b>	<b>97</b>	<b>119</b>	<b>105</b>	<b>107</b>	<b>106</b>
Sorghum sudangrass	common <sup>5</sup>	91	108	137	104	107	
Forage Sorghum	common <sup>5</sup>	97	115	156	119	—	
<b>Sorghum Average</b>		<b>94</b>	<b>112</b>	<b>147</b>	<b>112</b>	<b>107</b>	<b>114</b>

1 Quality tests were done by wet chemistry and were a composite of the three plots/site.

2 Relative feed value (RFV)

3 Crude protein (CP)

4 Total Digestive Nutrients (TDN)

5 Due to lack of availability, common seed was used.

## Yield Comparisons

The 2023 annual forage trial combined all crops and varieties in one trial with three replicates per site.

Quality is highly dependent on plant maturity at harvest. Barley was harvested in mid dough stage; oats & triticale at milk- early dough stage; peas at early pod wrinkle; millet and sorghum at heading.

Crop	Variety	2023 Dry Matter Yield (tonnes/acre) <sup>1</sup>					
		Arborg	Carberry	Carman	Melita	Roblin	Average
Oats	CDC Haymaker <sup>1</sup>	5.3	4.8	5.2	4.3	5.1	5.0
Oats	CDC Arborg <sup>1</sup>	5.8	7.8	5.2	4.2	4.3	5.5
Oats	CDC Endure <sup>1</sup>	4.9	6.4	4.5	4.5	4.5	4.9
Oats	OT6036	5.1	3.2	4.9	3.7	4.6	4.3
<b>Oat Average</b>							<b>4.9</b>
Barley	AB Advantage <sup>1</sup>	6.1	4.6	5.5	5.1	6.6	5.6
Barley	AB Tofield <sup>1</sup>	5.9	4.9	5.5	4.7	5.5	5.3
Barley	CDC Renegade <sup>1</sup>	7.0	7.8	5.1	5.0	6.1	6.2
<b>Barley Average</b>							<b>5.7</b>
Peas/Barley	CDC Lewochko <sup>1</sup> - AB Advantage <sup>1</sup>	6.1	5.7	5.8	5.2	6.2	5.8
Peas/Oats	CDC Lewochko <sup>1</sup> - CDC Arborg <sup>1</sup>	5.8	5.5	4.8	3.5	4.4	4.8
<b>Pea/cereal Average</b>							<b>5.3</b>
Spring Triticale	Pronghorn <sup>2</sup>	3.2	6.2	3.7	3.4	3.8	4.1
Proso Millet	Crown <sup>2</sup>	2.7	3.4	5.0	5.3	4.2	4.1
Foxtail Millet	Siberian <sup>2</sup>	2.8	5.7	4.7	4.6	4.4	4.4
<b>Millet Average</b>							<b>4.3</b>
Sorghum Sudangrass	common <sup>2</sup>	6.0	7.0	9.3	4.9	—	6.8
Forage Sorghum	common <sup>2</sup>	6.8	7.2	15.1	—	6.3	8.9
<b>Sorghum Average</b>							<b>7.8</b>
<b>Grand Mean (tonnes/acre)</b>		5.3	5.7	6.0	4.5	5.1	
CV %		13.7	16.7	10.6	13.6	14.4	
LSD (0.05)		1.2	1.6	1.1	1.0	1.2	
Sig Diff		yes	yes	yes	yes	yes	
<b>Seeding Date</b>		16-May	12-May	26-May	25-May	19-May	
<b>Harvest Date</b>		July 26 to Aug 24	Aug 11 & Aug 24	Aug 15 to Sept 12	July 27 & Aug 8	Aug 3 & Sept 1	

1 Dry matter yields measured under a one-cut system.

2 Due to lack of availability, common seed was used.

Forage Quality <sup>1</sup>											
CP (%) <sup>3</sup>					TDN (%) <sup>4</sup>						
Arborg	Carberry	Carman	Melita	Roblin	Average	Arborg	Carberry	Carman	Melita	Roblin	Average
8.1	8.0	11.7	9.0	10.2		62.4	63.3	64.0	63.0	66.3	
10.2	6.8	10.8	10.6	10.4		61.4	61.1	67.4	62.1	68.0	
10.2	6.8	12.5	9.6	10.0		61.5	59.7	70.7	62.8	70.4	
9.5	7.5	10.8	10.2	9.6		64.5	61.5	67.0	65.8	66.6	
<b>9.5</b>	<b>7.3</b>	<b>11.5</b>	<b>9.9</b>	<b>10.1</b>	<b>9.6</b>	<b>62.5</b>	<b>61.4</b>	<b>67.3</b>	<b>63.4</b>	<b>67.8</b>	<b>64.5</b>
9.3	8.1	11.3	9.0	10.7		70.6	73.4	72.1	75.0	76.5	
7.7	7.7	11.1	8.3	9.8		74.4	68.7	75.2	74.4	79.1	
7.5	8.9	11.8	8.7	9.2		70.9	76.3	69.1	72.6	76.1	
<b>8.2</b>	<b>8.2</b>	<b>11.4</b>	<b>8.7</b>	<b>9.9</b>	<b>9.3</b>	<b>72.0</b>	<b>72.8</b>	<b>72.1</b>	<b>74.0</b>	<b>77.2</b>	<b>73.6</b>
13.6	8.3	11.7	8.2	10.9		68.6	70.9	70.6	68.3	72.7	
9.9	7.8	11.8	11.4	11.4		67.0	58.5	65.1	63.5	69.2	
<b>11.8</b>	<b>8.1</b>	<b>11.8</b>	<b>9.8</b>	<b>11.2</b>	<b>10.5</b>	<b>67.8</b>	<b>64.7</b>	<b>67.9</b>	<b>65.9</b>	<b>71.0</b>	<b>67.4</b>
11.4	8.4	10.6	10.4	10.6	10.3	67.1	69.2	67.2	64.6	71.5	67.9
10.4	6.8	8.9	7.3	11.4		66.0	62.1	63.5	65.0	68.0	
8.4	6.7	12.4	8.0	11.1		61.6	59.2	65.8	61.2	64.2	
<b>9.4</b>	<b>6.8</b>	<b>10.7</b>	<b>7.7</b>	<b>11.3</b>	<b>9.1</b>	<b>63.8</b>	<b>60.7</b>	<b>64.7</b>	<b>63.1</b>	<b>66.1</b>	<b>63.7</b>
7.1	7.6	10.7	7.3	9.8		60.5	64.8	69.4	64.3	65.1	
9.7	9.3	5.5	8.1	—		63.9	66.6	71.6	68.3	—	
<b>8.4</b>	<b>8.5</b>	<b>8.1</b>	<b>7.7</b>	<b>9.8</b>	<b>8.5</b>	<b>62.2</b>	<b>65.7</b>	<b>70.5</b>	<b>66.3</b>	<b>65.1</b>	<b>66.0</b>

# Distributor Contacts for Listed Varieties in Seed Manitoba 2024

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

F  
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## FORAGE

See cereal and pulse distributor contacts and growers list for forage varieties of oat, barley, and pea.

See forage growers list for perennial forage types.

### Alfalfa

Instinct	DLF Canada Inc.
Vision	DLF Canada Inc.
<b>Birdsfoot Trefoil</b>	
Bull	DLF Canada Inc.
Leo	DLF Canada Inc.
Lotanova	DLF Canada Inc.
<b>Timothy</b>	
Arlaka	DLF Canada Inc.
Comer	DLF Canada Inc.
Comtal	DLF Canada Inc.
Richmond	DLF Canada Inc.
Sahara DT	DLF Canada Inc.
Summergraze	DLF Canada Inc.
Valor	DLF Canada Inc.

## CORN

DLF 2334VT2P RIB	DLF Canada
DLF 2495RR	DLF Canada
DLF ExAmine LFF RR	DLF Canada
DLF ExSeed LF RR	DLF Canada
EXP084-23	DEKALB
EXP8223-AA	Syngenta Canada
EXP8523-AA	Syngenta Canada
HX 2511	Horizon Seeds
HZ 1685	Horizon Seeds
HZ 1831	Horizon Seeds
HZ 2220	Horizon Seeds
HZ 3050	Horizon Seeds
HZ 3386	Horizon Seeds
HZ 675	Horizon Seeds
HZ 878	Horizon Seeds
LFG 8755R	Maizex Seeds
Maxx	Greenfield Genetics
MS 8022R	Maizex Seeds
MS 8270R	Maizex Seeds
MS 8632R	Maizex Seeds
NK7837-V	Syngenta Canada
NK8005-V	Syngenta Canada
NK8204-V	Syngenta Canada
NK8519-DV	Syngenta Canada
NK8618-D	Syngenta Canada
NK8920-D	Syngenta Canada
NK9023-DV	Syngenta Canada
NK9175-DV	Syngenta Canada
NS EXP83T	NorthStar Genetics
NS EXP90S	NorthStar Genetics
Prime	Greenfield Genetics
PV 61177SRR	Proven Seed
PV 62181SRIB	Proven Seed
PV 62683SRR	Proven Seed
Riel	Greenfield Genetics
TH6180 VT2P	Thunder Seed
TH6185 VT2P	Thunder Seed
TH8483 DV	Thunder Seed
X22080A/VT2P	CROPLAN
X22084A/VT2P	CROPLAN

## CORN

913S	NorthStar Genetics
924S	NorthStar Genetics
928S	NorthStar Genetics
932S	NorthStar Genetics
A5686G2 RIB	PRIDE Seeds
AS1018G2 EDF	PRIDE Seeds
AS1028G2 EDF	PRIDE Seeds
AS1047RR EDF	PRIDE Seeds
BY Belmont RR2	BrettYoung
BY Brava RR2	BrettYoung
BY Guernsey VT2P RIB	BrettYoung
BYM2234003BV	BrettYoung
CP1440VT2P/RIB	CROPLAN
CP2288VT2P/RIB	CROPLAN
CP2585VT2P/RIB	CROPLAN
CP2790VT2P/RIB	CROPLAN
CP2845VT2PRIB	CROPLAN
CP2972SS/RIB	CROPLAN
CSX22077A/RR	CROPLAN
CSX22086A/RR	CROPLAN
CX23072A/VT2P	CROPLAN
Dalton	Greenfield Genetics
DKC30-63RIB	DEKALB
DKC31-85RIB	DEKALB
DKC33-37RIB	DEKALB
DKC36-48RIB	DEKALB
DKC39-55RIB	DEKALB
DLF 2320RR	DLF Canada
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Dan McGill  
2047710482  
[dmcgill@dlfpickseed.com](mailto:dmcgill@dlfpickseed.com)

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## PHONE NUMBER

Alliance Seed .....	1-877-270-2890
BrettYoung.....	1-800-665-5015
DL Seeds.....	204-331-3611
DLF Canada Inc .....	1-204-633-0088
Dyck Seeds .....	1-888-204-1000
FP Genetics.....	1-877-791-1045
Imperial Seed .....	1-204-786-8457
Interlake Forage Seeds .....	1-800-900-1390
Northstar Seed Ltd.....	1-800-430-5955
Pickseed Canada .....	1-800-263-7425
Pioneer Seeds .....	1-800-667-3852
Proven Seed .....	1-800-661-3334
SeCan.....	1-800-665-7333

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Bayer CropScience Canada Inc (DEKALB).....	1-888-283-6847
BrettYoung.....	1-800-665-5015
DLF Canada Inc .....	1-204-633-0088
Fraser Seeds Ltd (Greenfield Genetics) .....	1-604-857-3355
Horizon Seeds Canada Inc (Horizon Seeds).....	1-855-983-7255
Maizex Seeds Inc (Maizex Seeds) .....	1-877-682-1720
NorthStar Genetics Ltd. (NorthStar Genetics) .....	1-204-262-2425
Nutrien Ag Solutions (Proven Seed).....	1-855-569-9444
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PRIDE Seeds.....	1-800-265-5280
Syngenta (NK) .....	1-877-964-3682
Thunder Seed Canada Inc (Thunder Seed) .....	1-888-684-8633
WinField United Canada (CROPLAN) .....	1-888-975-4769

# Growers List



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Fisher Branch; Skuba, Bonny .....

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### MULTI5301

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### POWER 4.2

Broad Valley; Woloshyn, Richard R.....204-372-6029

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# Additional Resources

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		Purity & Germination	Disease	
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<b>20/20 Seed Labs (Winnipeg)</b> 3487 Pembina Hwy. Winnipeg, Manitoba R3V 1A4	<b>Shari Lafreniere</b> 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	
<b>Integrity Seed Lab Ltd.</b> 8040 Park Royale Way Centreport MB Winnipeg, Manitoba R4B 0A5	<b>Glen Green</b> 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 <u>Cereals:</u> Vomitoxin <u>Cereals:</u> Blackleg, Alternaria, Sclerotinia
<b>Saskatchewan</b>				
<b>AG Seed Lab</b> Box 998 Carrot River, Saskatchewan S0E 0L0	<b>Loretta Buhler</b> Tel: (306) 768-3335 Fax: (306) 768-2169 agseedlab@nutrien.com	Purity and germination of all crop kinds in Grade Tables I to XX	Barley for True Loose Smut	<u>Cereals:</u> Fusarium. <u>Pulses:</u> Ascochyta, Anthracnose, Botrytis, Sclerotinia <u>Canola:</u> Blackleg, Alternaria, Sclerotinia
<b>Discovery Seed Lab</b> 450 Melville St. Saskatoon, Saskatchewan S7J 4M2	<b>Shirley Baraniski</b> 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	<u>Flax:</u> Trifid detection <u>Cereals:</u> Vomitoxin, Ochratoxin, fusarium, root rots, Wheat Midge Refuge testing, variety identification (Wheat & Barley) <u>Pulses:</u> Ascochyta, Anthracnose, Botrytis, Sclerotinia <u>Canola:</u> Blackleg, Alternaria, Sclerotinia Herbicide tolerance testing in RR Canola and LL Canola and RR Soybeans, clubroot (plant & soil) Clearfield confirm
<b>Lendon Seed Lab</b> 147 Hodsmen Road Regina, Saskatchewan S4N 5W5	<b>Tej Prasad</b> 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	
<b>Parkland Seed Lab</b> 619 - 9th Avenue West Melville, Saskatchewan S0A 2P0	<b>Mei Pitz</b> Tel: (306) 508-0151 desireprice76@gmail.com	Germination of all crop kinds in Grade Tables I to VII and XVIII	None	
<b>Prairie Diagnostic Seed Lab Inc.</b> 1105 Railway Ave. E Weyburn, Saskatchewan S4H 3H5	<b>Bonnie Ernst</b> Tel: (306) 842-7375 Fax: (306) 842-7376 pdsi@sasktel.net	Purity and germination of all crop kinds in Grade Tables I to VII	Barley for True Loose Smut	
<b>Seed Solutions Seed Labs Inc.</b> 5115 Thompson St. Herbert, Saskatchewan S0H 2A0	<b>Shanna Stolhandske-Dale</b> Tel: (306) 741-9309 Fax: (306) 773-4460 seedsolutions@xplonet.com	Purity: none Germination: Crop kinds in Grade Tables I to VI	None	
<b>Alberta</b>				
<b>20/20 Seed Labs Inc. (AB)</b> 507-11th Ave Nisku, Alberta T9E 7N5	<b>Corey Matthiessen</b> Tel: (780) 955-3435 Fax: (780) 955-3428 corey@2020seedlabs.ca	Purity and germination of all crop kinds in Grade Tables I to XX	Barley for True Loose Smut	<u>Flax:</u> Trifid detection <u>Pulses:</u> Ascochyta spp.
<b>SGS Canada Inc. (Sherwood Park)</b> 280 Portage Close, Unit 310, Sherwood Park, Alberta T8H 2R6	<b>Janek Bartel</b> Tel: 1-800-952-5407 Fax: (866) 589-7051 janek.bartel@sgs.com	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	Barley for True Loose Smut	<u>Flax:</u> Trifid detection CLEARFIELD confirm in wheat & lentils <u>Cereals:</u> Fusarium spp., Root Rot, Fungal Scan. <u>Pulses:</u> Botrytis, Anthracnose, Ascochyta spp. <u>Canola:</u> Blackleg Varietal Identification in barley & wheat
<b>SGS Canada Inc. (Grande Prairie)</b> Suite C, 12803 - 100 St. Grande Prairie, Alberta T8V 4H3	<b>Michelle Krawetz</b> Tel: 1-800-952-8889 Fax: (780) 513-0115 michelle.krawetz@sgs.com	Purity and germination of all crop kinds in Grade Tables I to XX	None	
<b>Precision Seed Testing</b> Box 210 Beaverlodge, Alberta T0H 0C0	<b>Sherry Corvalan</b> Tel: (780) 354-2259 Fax: (780) 354-8955 precisionseed@xplonet.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	<u>Cereals:</u> Fusarium, <u>Pulses:</u> Ascochyta spp. <u>Canola:</u> Blackleg
<b>Seed Check Technologies Inc.</b> 101, 5906 - 50th Street Leduc, Alberta T9E 0R6	<b>Morgan Webb</b> 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 3, 2023

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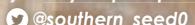
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## ADVERTISER INDEX

-----	page
20/20 Seed Labs Inc. ....	115
Ag Growth International .....	27
Agassiz Seed Farm .....	115
Alliance Seed Corp. ....	18
BASF .....	59/63
Bayer CropScience .....	21
Brett-Young Seeds Ltd. ....	48
Business Card Directory .....	125
Can-Seed Equipment Ltd. ....	47
Canterra Seeds .....	23
Corteva Agriscience .....	15,71,77
D Murray Farms Inc. ....	41
FP Genetics .....	20
Fraser Seeds Ltd. ....	40
Friesen Seed Limited .....	68
Jefferies Seeds .....	89
JS Henry & Son Ltd. ....	90
KWS Seeds Canada .....	7
Lallemand Plant Care .....	61
LD Seeds .....	43
Maizex Seeds .....	80
Manitoba Agricultural Services Corp. ....	87
Manitoba Pulse & Soybean Growers .....	82
Manitoba Seed Growers Association .....	104
Martens Charolais & Seed .....	122
Meridian Manufacturing Inc. ....	31
Nexeed Inc. ....	53
NorthStar Genetics .....	95,121
Pickseed Canada Inc. ....	114
Pitura Seed Service .....	9
Pride Seeds .....	92
Redsper Enterprises Ltd. ....	39
Rutherford Farms Ltd. ....	122
Scoular Canada Ltd. ....	123
SeCan.....	4,13,25,132
Seed Depot .....	29,30,42,45,131
Seed Source Inc. ....	120
SeedNet Inc. ....	116
Semences Program Inc. ....	65
Sevita International Corporation .....	69
Syngenta Canada Inc. ....	2
Wallace J. Seeds .....	120
Westland Insurance Group Ltd. ....	123



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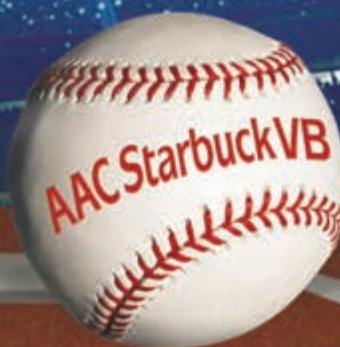
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