



2023 Variety Selection & Growers Source Guide

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Supplement to the Manitoba Co-operator
December 8, 2022

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Minister's Message



Manitoba Agriculture is proud to work with the Manitoba Seed Growers Association and the Manitoba Cooperator to produce the 2023 edition of *Seed Manitoba*. This important guide adds value to producers, providing timely, unbiased information on the performance of cereal, oilseed, pulse and forage crops in the province, including regional yield data, agronomic disease resistance, and seed grower distribution lists.

As one of Manitoba's leading industries, agriculture is vital to our economy. Our crop producers play a key role in making agricultural products one of the province's largest exports. Crop production contributes added value, economic impact and jobs through our province's \$4 billion food processing and \$1 billion agri-products industries.

The start of the 2022 growing season and excess moisture proved a major challenge in addition to last year's drought. While producers in some areas were able to seed in a timely matter, others had significant delays and a number of unseeded acres.

I would like to extend special thanks to all who contributed to *Seed Manitoba 2023*, our crop research contractors, producers, the seed industry, commodity groups, the Manitoba Crop Variety Evaluation Team (MCVET) and Manitoba Agriculture staff. Important efforts of MCVET include conducting trials at over 20 locations around the province. Thanks to these trials, useful regional information and differences in varietal performance across diverse environments help our producers make informed decisions for their farms and future.

Best wishes for a successful 2023 growing season.

Honourable Derek Johnson
Minister of Agriculture

President's Message



On behalf of the board and members of the Manitoba Seed Growers' Association, I am excited to launch the 31st edition of *Seed Manitoba*. This one of a kind resource is put together in coordination between the Manitoba Crop Variety Evaluation Team (MCVET), the Manitoba Department of Agriculture, the Manitoba Cooperator and Industry partners. I want to thank our partners

for the significant amount of time and resources that are put into making sure that this publication continues to be the best it can be.

Year after year, *Seed Manitoba* is sought after, as a trusted source of unbiased information on farms across Manitoba, including our own. As we continue to see new varieties enter the marketplace, this publication allows a first look at performance data, and how varieties could work for your farm. Make sure you also reach out to your local Seed Grower; they can be a wealth of knowledge with firsthand experience when it comes to early generation variety selection and how they might perform on your farm.

The Manitoba Seed Growers' Association is proud to be a part of this great annual publication, and I want to wish all farmers a bountiful year in 2023. I hope this Seed Guide will get you off to the right start.

Tom Greaves
President,
Manitoba Seed Growers' Association

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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

MCVET greatly appreciates the efforts of our contractors:

Agriculture and Agri-Food Canada	Nutrien Ag Solutions
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WELCOME TO SEED MANITOBA 2023

By Anne Kirk

Seed Manitoba editor, Manitoba Agriculture

Welcome to *Seed Manitoba* 2023, the Variety Selection and Growers Source Guide for Manitoba producers. This guide is compliments of Manitoba Agriculture, Manitoba Seed Growers' Association, and the Manitoba Co-operator. *Seed Manitoba* is a collaborative effort between industry, government, and producers to provide third party variety performance information. This variety performance information helps producers to make informed decisions.

The 2022 growing season was a challenge for producers in many parts of Manitoba. A wet spring delayed seeding in many areas, prevented seeding in some regions, and generally delayed harvest. The delayed seeding and harvest also impacted variety trials across the province with some being lost due to wet conditions. Fortunately, most trials were harvested with data approved for publication.

WHERE DOES THE DATA COME FROM?

Data is from replicated small plot trials grown 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 "Variety Description" table, such as disease resistance, can change as commercial performance and reaction to disease races are better understood.

TESTING LOCATIONS AND SITE YEARS

Testing locations are chosen by the Manitoba Crop Variety Evaluation Team (MCVET) 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. Crops like flax and field peas are only planted at locations where they are typically grown. Other crops like canola, corn, dry beans, soybeans, fababeans, 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 allows comparisons over multiple years and locations, helping to compare a new variety to your tried and true variety.

Thank you to all of the contributors to *Seed Manitoba*. This publication would not be possible without the sponsors, supporters, site contractors, the Manitoba Crop Variety Evaluation Team (MCVET), and the commodity groups that donate data. The team behind *Seed Manitoba* hopes that you find the information provided beneficial as you make variety decisions for the 2023 season.

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



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TEFF GRASS: A NEW CROP OPTION FOR THE CANADIAN PRAIRIES

A high-protein forage with potential to reach specialty grain markets

By James Frey
Applied Research Specialist, Manitoba Agriculture

Teff is a warm-season annual grass that originates in northeast Africa, where it is commonly grown for grain and forage production. As a forage, the crop is notable for its high protein content and palatability, as well as its potential for high yields. Since 2020, the Manitoba Diversification Centres have grown teff, seeded between 4-7 lb/ac, and compared it with the yield and feed quality of barley greenfeed. A summary of the results for 2021 and 2022 at Roblin, Man., are shown in Figure 1.



PHOTOS: JAMES FREY

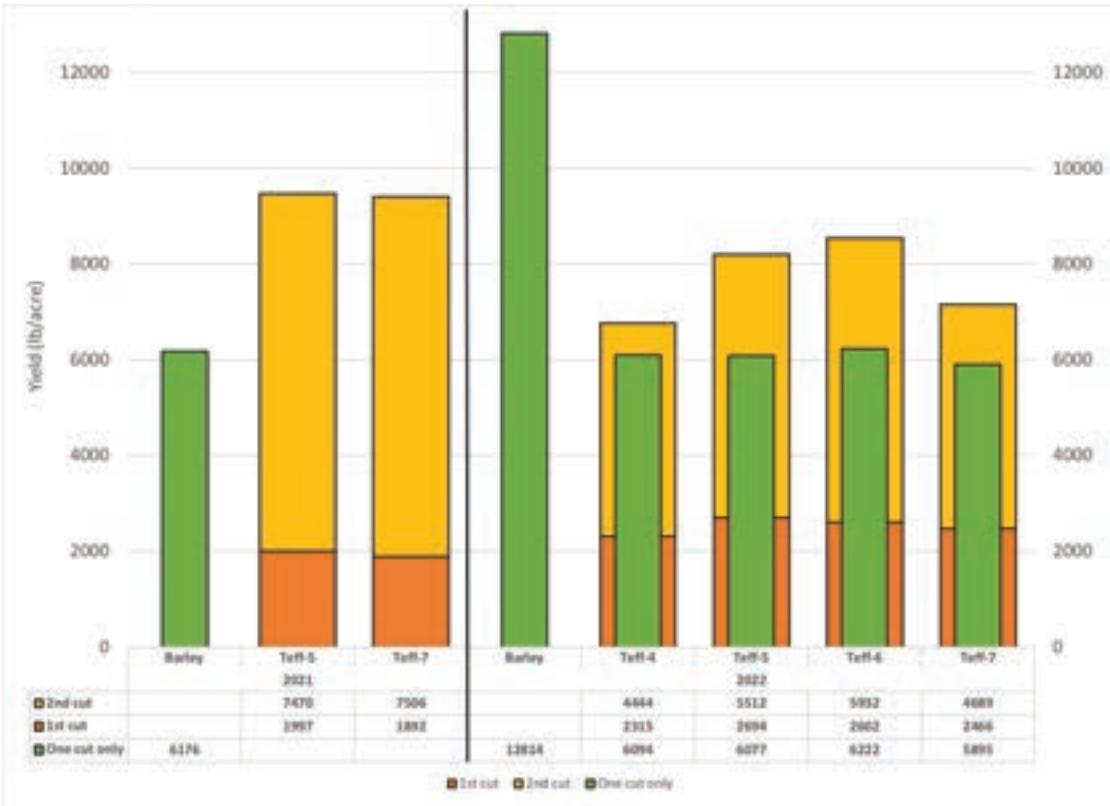


Figure 1: Teff and barley hay yields (lb/ac) at Roblin in 2021 and 2022.

Harvest dates for the first cut were July 15, 2021 and July 28, 2022. Second cut was September 29, 2021 and October 6, 2022. Note that teff was only seeded at 5 and 7 lb/ac in 2021, while in 2022 seeding rates of 4-7 lb/ac were used.

All treatments in 2021 were tested for feed values, summarized in Table 1.

Table 1: Feed Values for teff hay and barley greenfeed, 2021.

Entry	% Crude Protein	% TDN
Barley greenfeed	10.68	69.87
Teff 1st cut	20.85	69.17
Teff 2nd cut	11.38	59.85

Another important use of teff is the grain, which is ground into flour to make injera, a staple flatbread in northeast African cuisine. Testing is underway to determine its suitability as a grain crop in Manitoba, and to identify best management practices. In 2022, small plot grain yields averaged 2650 lb/ac, with a relatively high degree of reliability (12.7% C.V.). The small seed size (1.2 million seeds/lb), as well as a tendency to lodge late in the season, can make harvest a challenge. Although additional testing is necessary, the possibility of cultivating teff for grain, as well as forage, presents an exciting new opportunity for Manitoba's agriculture sector. ■



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WATERHEMP ON THE RISE IN MANITOBA

Coming soon to a field near you

By Kim Brown-Livingston

Provincial Weeds Specialist

Waterhemp is native to the United States and over the last 40 years has become one of the worst agronomic weeds in North America. A member of the pigweed (*Amaranthus*) family, waterhemp (*Amaranthus tuberculatus*) was originally found along watercourses and marshes, but until the 1980's was rarely found in cultivated fields. By the 1990's it started showing up in farmland and was becoming a real problem. Ground zero for "weedy" waterhemp was central Missouri and west-central Illinois and it moved throughout the US Corn Belt from there.

So how did waterhemp morph into such a serious agronomic weed for our neighbours to the south? A reduction of tillage, both pre and post-plant, coupled with increased herbicide use and subsequent herbicide resistance certainly contributed to its spread. Waterhemp seeds are small and light and can move with water and overland flooding. Movement of herbicide resistant seed on equipment and in migratory waterfowl has helped spread waterhemp from the original infested areas.

Waterhemp has many physical characteristics that contribute to its weediness and spread. An annual plant with prolific seed production (usually several hundred thousand seeds but larger waterhemp produce up to one million seeds per plant), it will emerge season-long. It can germinate after harvest and set seed before freeze up. Waterhemp is dioecious, meaning male and female parts are on separate plants, resulting in a lot of genetic diversity in populations. Pollen from herbicide resistant plants can fertilize susceptible plants enabling herbicide resistance to spread much faster than in other weed species. Waterhemp plants grow rapidly, up to an inch per day, usually reaching heights of 6-8 feet but could top out at twice that.

Waterhemp thrives in warmer environments, under moderate to moist conditions,

Dr. Bob Hartzler from Iowa State University illustrates the spread of "weedy" waterhemp based on weed scientists' estimates:



Waterhemp on field edge in mid-September (note much smaller redroot pigweed in front of the waterhemp).

PHOTO: KIM BROWN-LIVINGSTON

More **WATERHEMP** on page 12 »

under nitrogen-rich conditions, and under high light intensity. But this weed is very adaptable and can still do very well under less ideal conditions. We typically see rapid plant establishment along edges of fields, ditches and standing water. Wet weather cycles create ideal environments for movement, germination and establishment, but waterhemp will still show up in drier areas and in dry years.

Herbicide resistance develops rapidly in waterhemp and most North American populations are resistant to multiple herbicide groups. Over-reliance on glyphosate initially led to Group 9 resistance, but waterhemp quickly becomes resistant to other groups including 2, 4, 5, 14, 15 and 27. Glyphosate-resistant waterhemp first appeared in Ontario in 2014, and within 8 years there are populations cross-resistant to 5 herbicide groups (2, 5, 9, 14 and 27).

Waterhemp has been on our doorstep for over two decades and we've been lucky until now that it hasn't become widespread. Under our provincial Noxious Weeds Act waterhemp is a Tier 1 weed due to its potentially devastating impacts to our farming community. Tier 1 weeds must be destroyed without exception. 2018 saw the first confirmed waterhemp in Manitoba, and in subsequent years more plants have been discovered in more municipalities. When suspicious pigweed plants are discovered they are tested for waterhemp DNA and herbicide resistance. So far the waterhemp plants found in Manitoba have been resistant to combinations of herbicide groups 2, 9 and 14. Most waterhemp sightings here are single plants and are rogued, but a few larger infestations have needed to be mowed out. We must be diligent to destroy any waterhemp plants as soon as they are discovered, to prevent pollen transfer and seed set.

When dealing with any herbicide resistant weed an integrated management plan is crucial. Grower management practices were the number one factor that influenced the selection of glyphosate-resistant waterhemp on individual farms according to Dr. Pat Tranel at the University of Illinois. Key practices first and foremost include implementing a diverse crop rotation. Strategic tillage within that rotation reduces the reliance on herbicides for weed control. Use narrow rows where possible, and aim for higher plant populations to give crops a competitive advantage. Planting cover crops after harvest may help with fall weed control, depending



Manitoba Pulse Specialist Dennis Lange with a waterhemp plant found in the soybean field behind him.
PHOTO: KIM BROWN-LIVINGSTON

on the growing conditions. Using a harvest weed seed control system will reduce the amount of viable seeds in the weed seedbank. Apply multiple modes of action in a combination of pre and post-emergence herbicides. Use pre-emergence herbicides with residual control followed by post-emergence applications (more than one if necessary) to small weeds, 1-3 inches tall for optimum control. Waterhemp must be managed to prevent seed set using any and all available tools (including hand pulling). Single plants have the potential to infest entire fields within a few years if they are allowed to set seed. Work with your agronomist to develop a plan to combat this weed and prevent further spread across Manitoba. ■

Grower management practices were the number one factor that influenced the selection of glyphosate-resistant waterhemp on individual farms.

Dr. Pat Tranel, University of Illinois



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NITROGEN: STILL A HIGH COST BUT HIGH NEED INPUT

Nitrogen rate calculators can help dial in a rate for 2023

By: John Heard

Provincial Soil Fertility Specialist

In the fall of 2021 growers were heading into winter facing very high nitrogen (N) fertilizer prices, but expecting good crop prices. Many farmers had also suffered a yield limiting drought in 2021, which left some very high soil N levels, but uncertainty of 2022 crop yields with little recharge of soil moisture.

Economic circumstances are similar this fall: very high nitrogen costs and promising crop prices. But your soil nitrogen status is probably substantially less than last fall. Spring 2022 began and stayed wet, causing considerable loss of N in some soils, crops grew well in spite of delayed seeding and some high grain yields have been harvested.

A preliminary look at soil test results indicates that we have less residual N than normal, indicative of good crop removal, but signalling that high fertilizer rates are warranted for 2023. In most cases, soil recharge is good, which bodes well for future crop yields.

In times of high input costs, it's valuable to consider economically based nitrogen recommendations based upon soil test N, fertilizer cost and anticipated grain value. Research-plot based crop yield response curves permit calculation of the economically optimum rate of nitrogen, which is that point at which the last dollar spent on fertilizer produces one dollar of additional crop. Rates beyond this cost more than the benefit.

Prompted by high N prices in 2008, a

Nitrogen Rate Calculator to optimize returns was developed for Manitoba spring wheat, barley and canola. This calculator is available at <https://www.gov.mb.ca/agriculture/crops/soil-fertility/nitrogen-rate-calculator.html> or search "Manitoba Nitrogen Rate Calculator".

The screen shot below provides a look at the economically optimum N rate for canola (blue cells) based upon urea cost of \$1200/t and a soil test with 20 lb residual N/ac across a range of crop prices. Even though the canola price varies \$6 per bushel, the optimum N rate changes only 30 lb N/ac.

This calculator also considers the influence of moisture supply on wheat and barley yield potential.

More recently, Dr. Flaten's team at the University of Manitoba conducted research

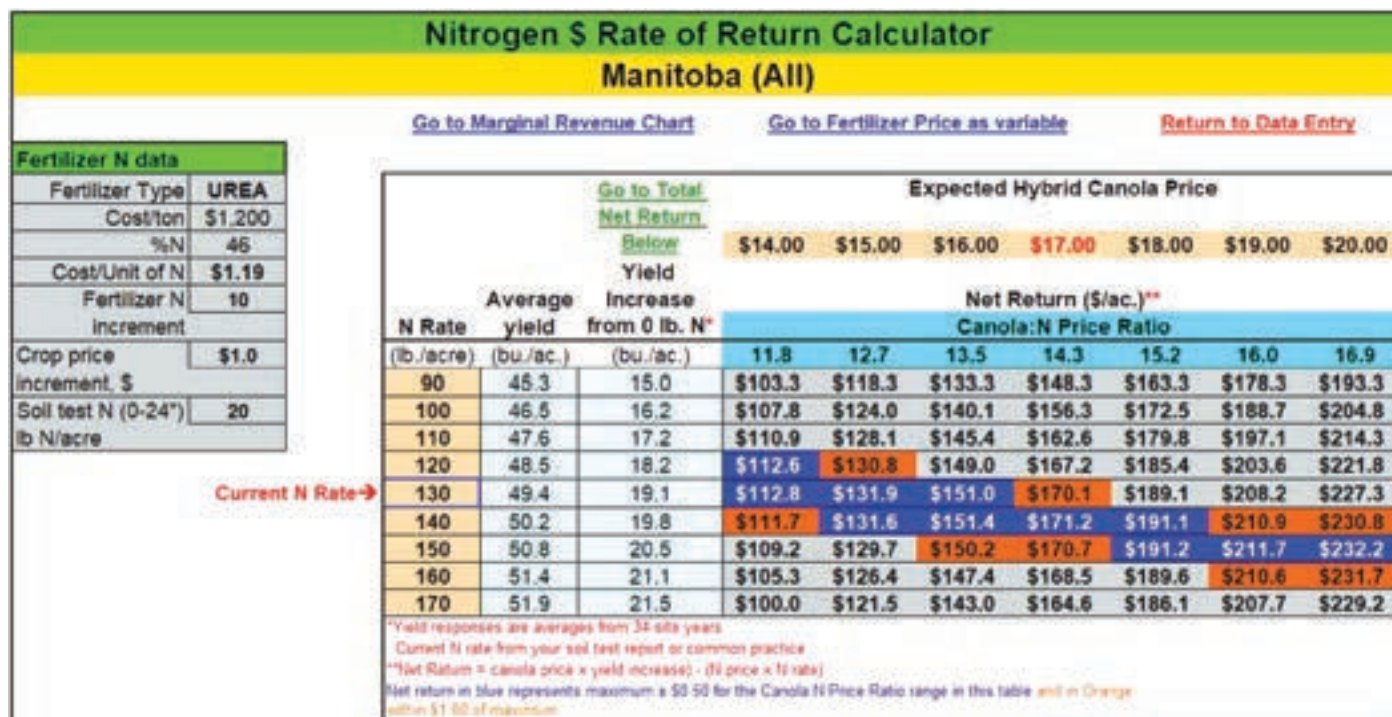


Figure 1. Screenshot of Nitrogen rate calculator for a canola example.

on N rates for newer high yielding varieties of wheat and corn. This data enables us to do similar some economic comparisons.

Figure 2 shows the N response curves for modern high yielding spring wheat using data from Flaten and Mangin¹, compared to the previous studies under varying moisture deficits.

The economic N supply required for such high yielding wheat is about 2.3 lb N/bu. A tabular comparison of most economic rates based on a wide range of fertilizer cost and wheat price is shown in Table 1.

Nitrogen response data for corn was combined from a number of studies and separated by crops with high and low yield potential (Figure 3 and Table 2). These 2 different response curves are quite similar in shape, and the economically optimum N rates are within 10-15 lb N/ac despite a 50 bu/ac yield gap (Table 2). What constitutes a higher versus lower yielding site? This may reflect soil productivity limitations of drainage, salinity, erosion, droughtiness or factors leading to delayed seeding, reduced plant populations, soil compaction or poor weed control.

Often such economically derived N rates vary little from year to year as long as fertilizer and crop prices move in the same direction. Manitoba Agriculture's past Crop Cost of Production bulletins provide values of fall fertilizer prices and anticipated crop prices, allowing such comparisons. Between 2013 and 2021, the annual projected economically optimum rates varied only 5 lb N/ac for high yielding wheat, 20 lb N/ac for corn and 10 lb N/ac for canola. But recent high N costs and uncertain prices, triggered rate declines of 25, 30 and 20 lb N/ac, for wheat, corn and canola respectively.

There is no doubt these nitrogen rates are high, but these guidelines are very similar to those for corn in North Dakota and just slightly less than their guidelines for wheat. Recognize these are for high yielding crops and consider total N supply. Fertilizer N rates are calculated by subtracting soil nitrate-N in the 0-24" depth, as well as any other nitrogen credits from manure or legume crops. Get your soil tested this fall.

These calculators do not consider the high risk to growers of carrying such high input costs. Some options for accounting for this risk include:

- If land's yield potential is less, consider using wheat data from the 2008 calculator.

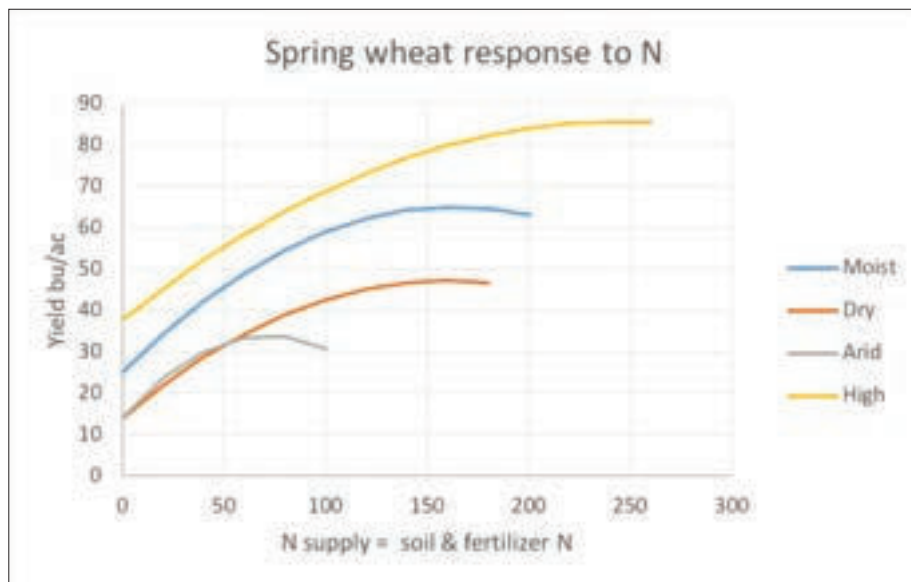


Figure 2. Wheat yield response to N. "Moist, Dry and Arid" values from 2008. "High" values from Flaten and Mangin¹.

Table 1. Economically optimum N supply (fertilizer plus soil) for high yielding wheat across a wide range of N costs and crop price.

N cost per lb of N	Wheat price \$/bu			
	\$6.00	\$8.00	\$10.00	\$12.00
Total N supply lb N/ac (soil nitrate plus fertilizer)				
\$0.40	200	215	220	225
\$0.60	180	200	205	215
\$0.80	160	180	195	205
\$1.00	140	165	180	195
\$1.20	120	150	170	180
\$1.40	100	135	155	170

SOURCE: MANITOBA AGRICULTURE

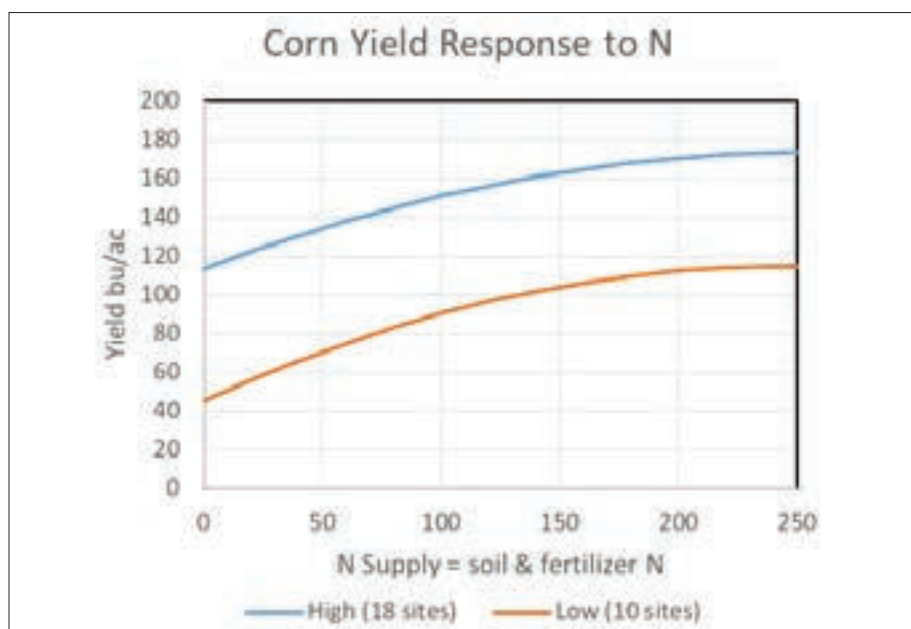


Figure 3. Corn yield response to N supply (lb soil and fertilizer N/ac) at higher and lower yielding sites.

More **NITROGEN** on page 16 »

- Be conservative in projecting future crop prices.
- Note these yield response curves are rather flat near the economically optimum N rates (Figures 2 and 3), indicating that slight reductions in N rates do not decrease yield greatly. In fact, the returns are still within \$5/ac of the optimum when N rates are reduced some 15 lb N/ac.

Fertilizing crops today is like high stakes poker, demanding high risk but with opportunity for high reward. Start with soil testing for nitrogen, use 4R principles for efficient fertilizer placement and timing, and consider such calculators or charts to dial in a reasonable nitrogen rate for 2023.. ■

Table 2. Economically optimum nitrogen supply for high and lower yield potential sites, across a wide range of N costs and crop prices.

	Corn price \$/bu					
N cost per lb of N	\$6.00	\$8.00	\$10.00	\$6.00	\$8.00	\$10.00
	High yield potential			Lower yield potential		
	Total N supply lb N/ac (soil nitrate plus fertilizer)					
\$0.40	210	230	240	210	215	220
\$0.60	205	220	225	195	205	210
\$0.80	185	205	215	180	195	205
\$1.00	165	190	205	165	185	195
\$1.20	150	175	190	155	175	185
\$1.40	130	165	180	140	165	180
SOURCE: MANITOBA AGRICULTURE						

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- ¹ Mangin, A. and Flaten, D. Optimizing nitrogen fertilizer management strategies for high-yielding spring wheat in Manitoba. Available: https://www.mbcropalliance.ca/assets/uploads/images/MCA_factsheet3_nitrogen_FINAL2.pdf

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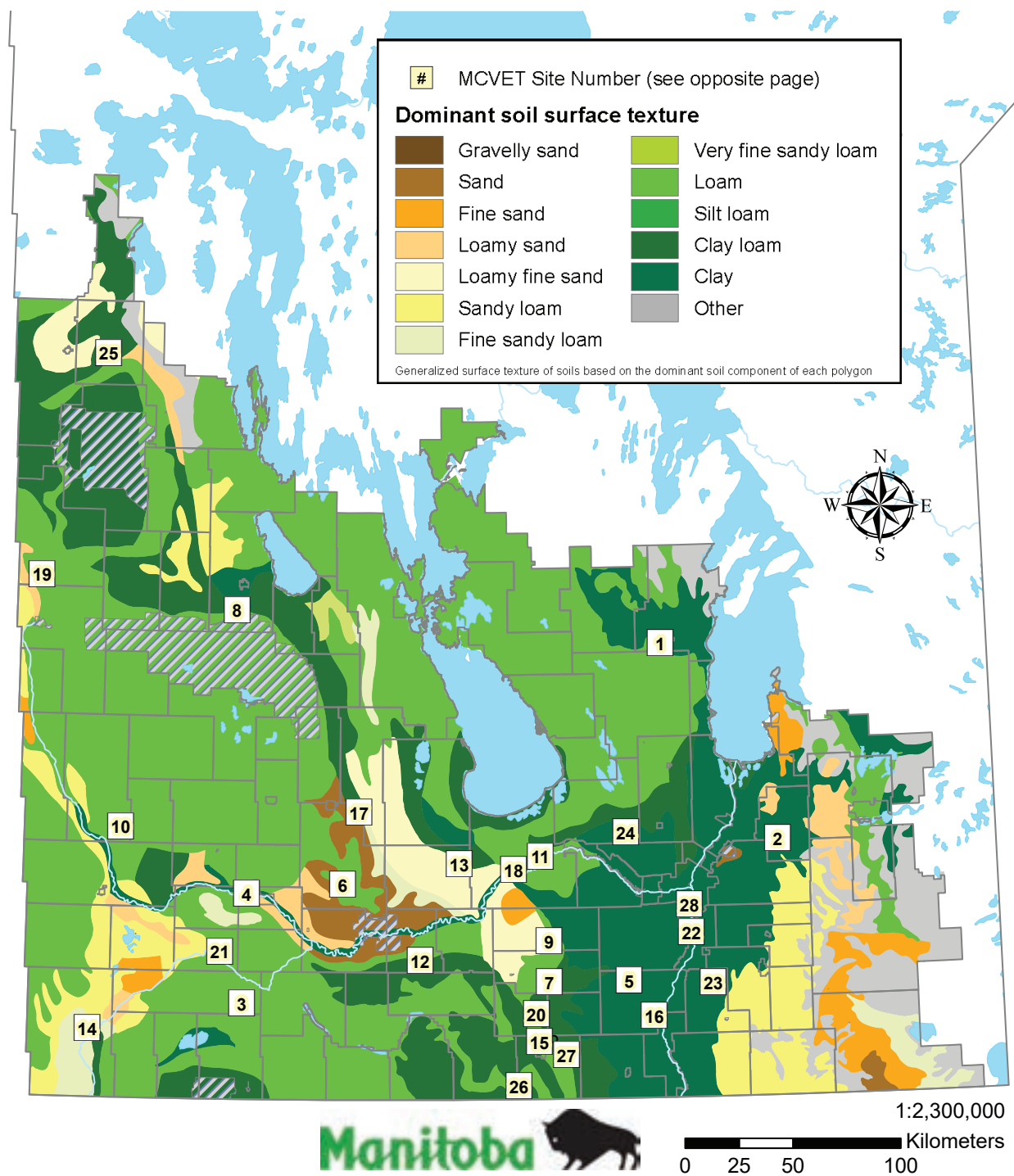
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2022 LOCATIONS OF VARIETY EVALUATION TRIALS



Site Location	Contractor(s)	Soil Texture	Internal Soil Drainage	Precipitation ¹		Growing Degree Days ¹		Weather Station Used
				Actual (mm)	% of Normal	Actual	% of Normal	
1 Arborg	PESAI	clay	imperfect	480	148%	1751	120%	Arborg
2 Beausejour	PESAI	clay loam	imperfect	476	136%	1646	101%	Beausejour
3 Boissevain	Ag-Quest Inc.	loamy	imperfect	359	105%	1678	105%	Minto
4 Brandon	Agriculture & Agri-Food Canada	clay loam	well	323	103%	1679	110%	Brandon
5 Brunkild	TapRoot Research Ltd.	heavy clay	imperfect	377	108%	1720	105%	Brunkild
6 Carberry	CMCDC	clay loam	well	368	117%	1658	109%	Carberry (EC)
7 Carman	University of Manitoba, Ag-Quest Inc.	loam	imperfect	315	96%	1778	106%	Carman
8 Dauphin	Ag-Quest Inc.	silty clay loam	imperfect	349	102%	164	109%	Dauphin
9 Elm Creek	Ag-Quest Inc.	coarse loam	imperfect	336	105%	1777	107%	St Claude
10 Hamiota	Ag-Quest Inc.	clay loam	well	330	118%	1591	105%	Hamiota
11 High Bluff	BASF	loamy	imperfect	444	136%	1830	108%	Portage la Prairie
12 Holland	Ag-Quest Inc.	loamy	imperfect	400	115%	1730	104%	Holland
13 MacGregor	Ag-Quest Inc.	coarse loam	imperfect	444	136%	1830	108%	Portage la Prairie
14 Melita	WADO	loamy	imperfect	219	75%	1793	107%	Melita
15 Morden	DL Seeds Inc., AAFC Morden	clay loam	well	357	107%	1877	106%	Morden
16 Morris	Ag-Quest Inc.	heavy clay	imperfect	404	124%	1780	105%	Morris
17 Neepawa	ICMS	clay loam	well	362	106%	1628	102%	Neepawa
18 Portage la Prairie	CROP/ICMS, Ag-Quest Inc.	sandy loam	imperfect	444	136%	1830	108%	Portage la Prairie
19 Roblin	PCDF	loamy	well	361	105%	1519	105%	Roblin
20 Rosebank	Nutrien	loamy	imperfect	357	107%	1877	106%	Morden
21 Souris	Ag-Quest Inc.	loamy	imperfect	454	144%	1692	111%	Souris
22 St. Adolphe	Richardson	heavy clay	imperfect	529	154%	1788	107%	St. Adolphe
23 St. Pierre	Ag-Quest Inc.	heavy clay	imperfect	428	121%	1735	107%	Kleefield
24 Stonewall	Solum Valley Biosciences Inc.	clay loam	imperfect	383	116%	1707	104%	Woodlands
25 Swan River	New Era Ag Technologies	clay loam	imperfect	293	86%	1575	107%	Swan River
26 Thornhill	Ag-Quest Inc.	loamy	well	346	104%	1588	89%	Windy Gates
27 Winkler	Ag-Quest Inc.	loamy	well	400	120%	1880	106%	Winkler
28 Winnipeg	University of Manitoba	silty clay	imperfect	518	151%	1740	104%	Winnipeg

¹ 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..

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

As per MCVET, MCC, NSAC and MPSG 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..

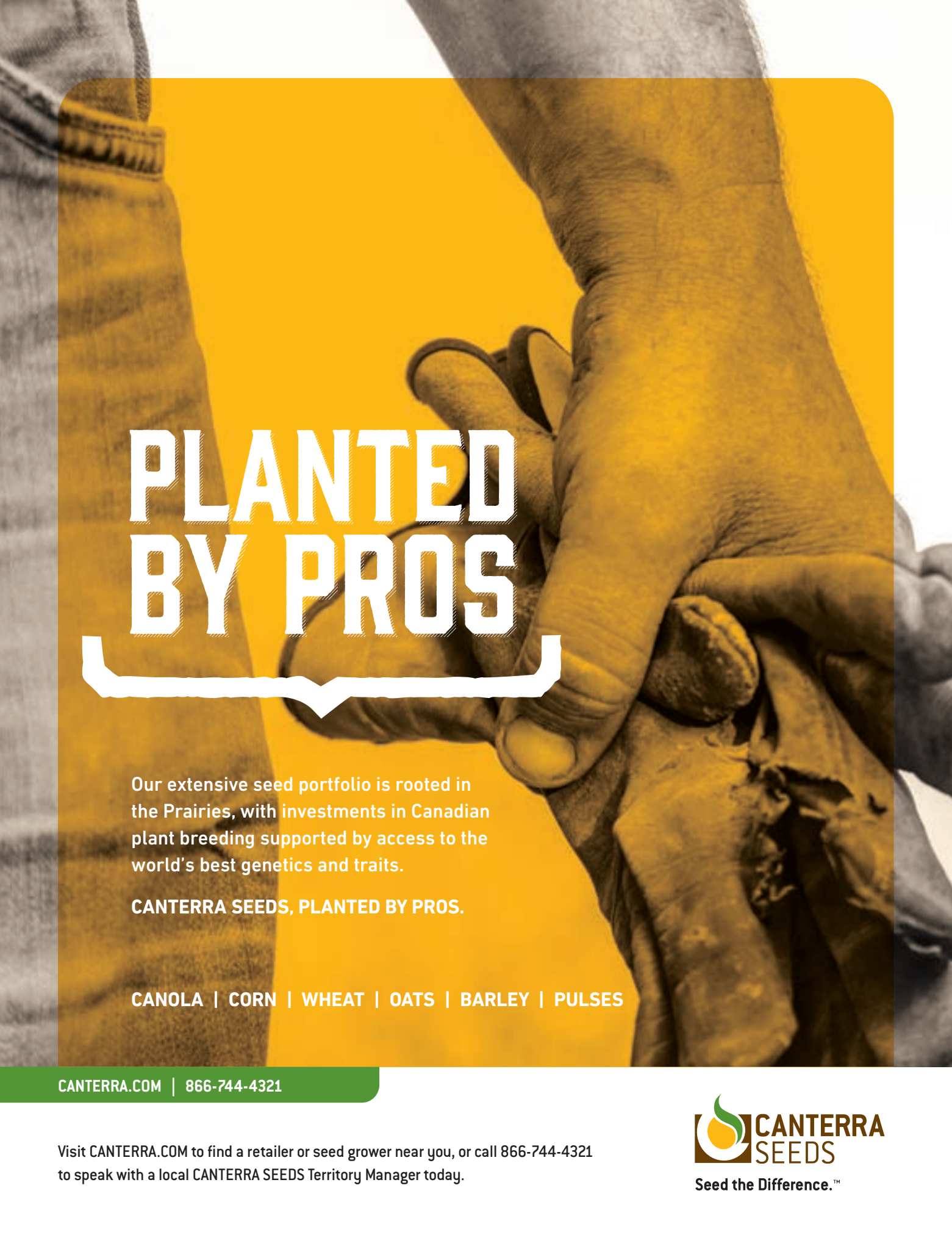
Any questions related to the sites found in Seed Manitoba 2023 can be directed to the individuals listed below:

For canola and hemp, contact Dane Froese at (204) 750-2840 or e-mail dane.froese@gov.mb.ca

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

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

For all remaining crop types, contact Anne Kirk at (204) 750-1351 or e-mail anne.kirk@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 2004 to 2022, while protein is from 2006 to 2022. Actual protein will depend on seasonal growing conditions and fertility levels.

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

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

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

☞ Indicates a variety that is protected by Plant 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 2022 Yield & Protein Tables

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

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

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

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

HEADING YOUR WAY IN 2023

New CWRS - AAC Hockley | AAC Hodge VB | SY Manness | Oats - CDC Arborg | AC Summit

- High yielding semi-dwarf
- Industry-leading standability
- Unsurpassed disease package
- Consistent performance

- Wheat midge tolerant
- Higher yielding
- Excellent standability
- Strong disease package

- Top yielding CWRS in the 2022 Manitoba Seed Guide
- Ideally suited for Manitoba and Eastern Saskatchewan
- Early maturing
- Rated 'MR' for FHB

- High yielding
- Excellent standability
- Early maturing
- Accepted by all major millers
- High beta-glucan content

Your seeding advantage is about to get bigger and better.

The top **NEW** genetics in Western Canada are heading your way in **2023**.

New CWRS Varieties - AAC Hockley | AAC Hodge VB | SY Manness

White Milling Oats - CDC Arborg | AC Summit



Find your **Local Cereal Seed Expert** and our **2023 Seed Guide** at fpgenetics.ca

Manitoba Agriculture Variety Guide

BARLEY

New for 2023

Variety	Type	Code	Breeder	Distributor	Seed Availability
AAC Lariat (2)⓪	Food and Feed	TR19268	AAFC - Brandon	CANTERRA SEEDS	2023
AAC Prairie (2)⓪	Malting	TR17255	AAFC - Brandon	CANTERRA SEEDS	2023
AB Standswell (6)⓪	Food and Feed	SR18524	Field Crop Development Centre	Mastin Seeds	2024
Cantu (2)⓪	Food and Feed	TR18747	Highland Seeds	Proven Seed	2025
CDC Durango (2)⓪	Food and Feed	TR19175	Crop Development Centre	SeCan	2025
Bighorn (2)⓪	Food and Feed	TR18748	Highland Seeds	Proven Seed	2025
Ibex (2)⓪	Food and Feed	TR18749	Highland Seeds	Proven Seed	2025

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 **“2023/24 Recommended Malting Barley Varieties”** on page 28. The category of **“Malting: Other”** includes varieties not currently recommended by the CMBTC but markets may exist.

The two-row malting variety **CDC PlatinumStar**⓪ 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) and the Canadian Grain Commission's **Variety Designation Lists** (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.

NEW

High Yielding

Richer Barley

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

Avondale Seed Farm Reston 204-522-5528 Southern Seeds Minto 204-776-2333
Court Seeds Plumas 204-386-2354 Timchishen Seeds Arborg 204-641-1288

BARLEY (continued)

Variety Descriptions

Category / Variety ¹	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 88 days	Height +/- 89 cm	Test Wt +/- 48.7 lb/bu	Awns ²	Resistance Level:										Fusarium ³ Head Blight
								Lodging	Loose Smut	Surface -borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem Rust			
Malting: Acceptance - Recommended																		
AAC Connect (2)☼	45	106	12.5	0	-3	-0.5	R	G	S	R	MS	I	MR	MR	MR	MR	MR	
AAC Synergy (2)☼	65	111	12.3	0	-2	-0.4	R	G	S	I	I	MR	R	R	MR	I		
CDC Copeland (2)	55	98	12.5	0	5	-0.5	R	G	MS	I	I	I	I	S	MR	I		
CDC Fraser (2)☼	42	107	12.2	1	0	-0.7	R	G	R	MR	MS	MR	MR	R	MR	I		
Malting: Other																		
AAC Goldman (2)☼	56	106	12.7	1	3	-0.4	R	F	MS	I	S	I	R	I	I	I	MR	
AAC Prairie (2)☼	15	105	12.5	0	-2	-0.3	—	F	S	MR	—	MR	I	I	MR	I		
AB Brewnet (2)☼	33	104	13.1	3	5	0	R	G	MS	MR	—	MS	I	I	MR	MR		
Bentley (2)☼	41	103	12.5	0	5	-0.8	R	G	MS	MR	I	MS	R	I	MR	I		
AC Metcalfe (2)	221	97	13.0	0	0	0	R	F	R	I	I	S	I	I	MR	I		
CDC Bow (2)☼	54	104	12.2	1	3	0.5	R	G	S	I	MS	S	MR	I	MR	I		
CDC Churchill (2)☼	35	110	12.3	1	-5	-0.2	R	G	MS	MR	—	MR	MR	I	MR	MS		
CDC Copper (2)☼	35	105	12.4	1	-5	-0.7	R	G	I	MR	MR	MR	MR	I	I	MS		
CDC Kindersley (2)☼	34	103	12.7	-1	-3	0	R	G	S	R	I	MS	MR	I	MR	I		
CDC PlatinumStar (2)☼	18	100	12.3	0	3	-0.5	R	F	S	R	S	I	MR	S	I	MR		
Celebration (6W)☼	35	104	13.6	-1	5	0	S	G	R	R	MS	S	MR	MR	I	MS		
Lacey (6W)	41	104	—	1	5	-0.7	S	G	I	MR	MR	S	I	MR	MR	S		
LEGACY (6W)	36	106	—	-2	8	0	S	F	I	MR	MR	S	MR	MR	MR	MS		
Lowe (2)☼	35	102	12.4	2	5	-0.4	R	G	R	R	—	I	MR	I	S	MR		
Newdale (2)	61	108	12.7	0	-3	-0.5	R	F	S	MR	MR	I	MR	I	MR	I		
Sirish (2)☼	48	102	12.4	1	-13	-0.3	R	VG	S	R	—	MS	MS	MS	S	MS		
Torbellino (2)	15	95	12.7	1	-11	-0.4	R	G	—	R	—	MS	MS	MS	MS	S		
Tradition (6W)	59	105	13.1	2	10	0.8	S	F	S	MR	MR	S	I	MR	MR	S		
Food and Feed																		
AAC Lariat (2)☼	4	110	12.8	1	-3	-0.3	—	G	R	R	—	R	MR	I	R	MS		
AB Advantage (6F)☼	30	106	13.3	1	15	0	S	VG	MR	I	—	MS	I	I	I	S		
AB Cattielac (6)☼	31	109	12.9	1	11	1.3	SS	VG	I	R	—	MS	MR	R	I	S		
AB Hague (2)☼	28	102	12.4	1	4	0	R	G	MR	R	—	I	I	I	MR	MR		
AB Prime (2)☼	28	113	12.7	0	4	-0.4	—	G	S	R	—	MR	I	I	R	I		
AB Tofield (6)☼	29	108	12.2	1	5	1	S	VG	MR	MR	—	MS	I	I	R	S		
AB Standswell (6)☼	10	108	12.7	2	-4	0.3	S	G	MS	R	—	MR	I	MR	MR	S		
AB Wrangler (2)☼	29	106	12.5	0	1	-0.2	R	F	MS	MR	—	I	I	MR	R	MR		
AC Ranger (6F)	38	109	—	1	-8	0.1	S	G	MS	I	MR	I	MR	MR	MR	S		
Altorado☼	32	111	12.4	0	-5	0.7	R	G	MR	MR	MR	S	I	S	MR	I		
Amisk (6)☼	30	116	12.8	1	0	-2.3	SS	VG	S	MS	MS	I	MR	MR	MR	S		
Bighorn (2)☼	10	109	12.1	0	4	0.4	—	F	I	R	—	I	I	I	I	I		
Canmore (2)☼	33	109	12.5	1	0	0.7	R	G	R	R	I	MS	MR	I	MS	I		
Cantu (2)☼	10	111	12.1	2	5	0.2	—	F	I	R	—	I	I	I	R	I		
CDC Austenson (2)☼	65	114	12.3	1	0	0.5	R	G	S	R	I	MS	R	MR	I	I		
CDC Coalition (2)☼	39	104	12.5	1	5	0.8	R	VG	R	MR	I	S	MR	I	MR	I		
CDC Cowboy (2F)☼	50	96	13.2	1	15	1.3	R	F	MS	MR	I	I	MR	I	MR	MR		
CDC Durango (2)☼	10	111	12.7	2	-3	0.1	R	G	S	R	—	MR	MS	I	I	I		
CDC Maverick (2F)☼	29	96	13.5	1	10	5.4	S	F	S	R	I	I	MR	I	MR	MR		
CDC Renegade (2F)☼	28	104	12.7	1	7	-0.3	S	F	I	MR	—	MS	MR	MS	MR	MR		
Claymore (2)☼	44	116	12.1	0	0	-0.2	R	G	S	R	I	S	I	MS	MR	MR		
CONLON (2)☼	89	94	12.9	-1	-3	0.8	S	G	I	I	I	I	MR	S	MR	MR		
Desperado (6F)☼	44	106	12.8	1	5	2.5	S	G	MS	R	MR	S	MR	MR	MR	S		
Ibex (2)☼	10	113	12.3	1	2	0.2	—	F	S	R	—	I	I	I	R	I		
Oreana (2)☼	44	111	11.9	2	-13	0.2	R	G	S	R	I	S	MR	I	I	S		
Varieties being tested for adaptability in Western Canada																		
Esma (2)☼	29	112	12.2	1	-10	-0.4	—	G	NT	NT	NT	NT	NT	NT	NT	NT	NT	
KWS Kellie (2)☼	28	103	12.1	1	-11	-1.5	—	P	NT	NT	NT	NT	NT	NT	NT	NT	NT	
RGT Planet (2)☼	15	99	12.0	1	-10	-0.5	R	F	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Richer (6)☼	15	114	12.8	—	14	-2.1	R	VG	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Waterloo (6)	5	111	13.0	—	12	-2.1	R	G	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Varieties supported for registration by the PRCOB																		
Malting: Other																		
TR17635 (2)	7	108	12.5	2	4	-0.6	—	F	I	R	—	MS	MS	I	I	MR		
TR19655 (2)	4	113	12.5	0	6	-0.5	—	G	S	MR	—	R	I	MR	I	I		
Food and Feed																		
FB20601 (2)	4	105	12.5	0	3	1.2	R	VG	I	R	—	I	I	I	MR	I		
SR17519 (6)	6	103	13.0	1	3	0.5	S	VG	I	R	—	MR	I	I	R	MS		
TR16742 (2)	7	104	12.4	0	0	-0.5	—	G	MS	R	—	R	MR	MR	R	I		
TR19758 (2)	4	109	12.1	1	-2	-0.2	R	G	S	R	—	MS	MS	S	I	I		
GRAND MEAN (bu/acre and %) 110 12.6																		
LSD (0.05) 5 0.3																		

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

2 R = Rough, S = Smooth, SS = Semi-Smooth

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

Hulless barley typically has reduced levels of DON when compared to regular barley with similar levels of disease.

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	2022 Yield (bu/acre)									
	Arborg	Beausejour	Carberry	Dauphin	Hamiota	Melita	Roblin	Rosebank	Souris	Stonewall
Malting										
AAC Connect	—	—	126	—	134	99	—	107	128	—
AAC Prairie (2)	111	65	101	126	125	113	115	105	120	111
AAC Synergy (2)	154	79	112	139	138	110	115	115	117	117
AB Brewnet (2)	—	—	116	—	120	106	—	99	107	—
AC Metcalfe	—	—	87	—	116	101	—	99	108	—
CDC Bow	—	—	116	—	109	102	—	104	104	—
CDC Churchill	—	—	106	—	138	105	—	119	121	—
CDC Copeland	—	—	100	—	112	98	—	102	109	—
CDC Copper	—	—	112	—	137	100	—	103	126	—
CDC Fraser	—	—	104	—	122	99	—	110	114	—
Torbellino (2)	77	75	94	99	111	102	99	87	95	100
Food and Feed										
AAC Lariat (2)	141	—	—	121	138	—	—	—	116	—
AB Hague (2)	94	32	100	121	117	103	118	94	115	116
AB Prime (2)	117	70	97	144	138	110	130	107	120	117
AB Standswell (6)	121	71	96	127	128	109	125	107	103	130
Bighorn (2)	94	62	93	125	135	116	109	97	118	117
Cantu (2)	125	56	102	131	131	118	130	112	119	113
CDC Austenson (2)	143	59	119	146	157	111	120	126	146	126
CDC Durango (2)	120	63	115	127	126	113	130	118	110	124
CDC Renegade (2F)	84	76	103	111	125	111	90	92	111	96
Ibex (2)	115	80	114	140	129	109	129	116	128	127
Varieties being tested for adaptability in Western Canada										
CLO10-004,094	139	—	—	133	109	—	—	—	82	—
CLO10-018,138	107	—	—	125	111	—	—	—	105	—
CLO10-019,121	116	—	—	119	122	—	—	—	96	—
Esma (2)	124	72	122	141	128	116	108	102	128	123
KWS Kellie (2)	103	80	104	126	131	105	109	83	116	112
RGT Planet (2)	87	68	95	116	114	106	97	88	103	100
Richer (6)	133	77	123	139	136	115	126	106	108	121
Varieties supported for registration by the PRCOB										
Malting										
TR19655 (2)	142	—	—	140	129	—	—	—	123	—
Food and Feed										
FB20601 (2)	117	—	—	130	121	—	—	—	113	—
TR19758 (2)	83	—	—	138	138	—	—	—	127	—
SITE GRAND MEAN (bu/acre)	115	68	107	129	127	107	116	104	114	116
CV %	8.6	12.2	12.6	7.1	6.1	7.5	9.3	4.4	5.2	6.8
LSD (bu/acre)	16	14	22	15	13	—	18	8	10	13
Sign Diff	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Seeding Date	24-May	27-May	24-May	23-May	16-May	05-May	11-May	11-May	24-May	24-May
Harvest Date	31-Aug	14-Sep	29-Aug	02-Sep	06-Sep	11-Aug	02-Sep	17-Aug	07-Sep	31-Aug

Protein Comparisons

Variety	2022 Protein (%)									
	Arborg	Beausejour	Carberry	Dauphin	Hamiota	Melita	Roblin	Rosebank	Souris	Stonewall
Malting										
AAC Prairie (2)⓪	14.1	12.5	13.2	13.2	11.6	11.9	12.2	11.6	11.2	11.9
AAC Synergy (2)⓪	13.2	11.0	13.2	12.9	11.8	11.8	12.5	12.2	11.4	12.2
Torbellino (2)	14.6	11.6	13.3	12.6	10.7	11.6	11.9	12.4	12.0	13.1
Food and Feed										
AAC Lariat (2)⓪	13.7	—	—	13.6	11.9	—	—	—	12.0	—
AB Hague (2)⓪	13.4	13.5	13.3	12.4	11.2	11.5	12.2	11.5	11.6	12.5
AB Prime (2)⓪	13.9	12.1	13.5	13.7	11.0	12.1	13.6	12.2	11.5	12.9
AB Standswell (6)⓪	14.1	11.6	13.4	13.5	11.8	11.6	12.6	12.8	12.5	12.3
Bighorn (2)⓪	13.3	10.9	12.8	12.7	11.4	10.9	12.5	11.8	11.7	12.2
Cantu (2)⓪	14.9	12.1	12.3	12.6	10.6	10.3	12.1	10.9	11.3	11.8
CDC Austenson (2)⓪	12.5	12.0	12.1	12.4	11.1	12.0	12.3	11.9	10.9	11.9
CDC Durango (2)⓪	13.3	12.2	13.4	13.7	12.5	11.7	12.5	12.7	12.2	12.9
CDC Renegade (2F)⓪	14.9	11.4	14.1	13.8	11.9	12.0	13.2	13.1	11.7	13.1
Ibex (2)⓪	13.6	11.9	13.6	12.8	10.7	11.7	12.1	12.2	11.1	11.8
Varieties being tested for adaptability in Western Canada										
CLO10-004,094	12.9	—	—	13.2	12.3	—	—	—	12.6	—
CLO10-018,138	13.5	—	—	14.6	12.4	—	—	—	12.6	—
CLO10-019,121	15.4	—	—	14.1	12.8	—	—	—	13.3	—
Esma (2)⓪	13.1	12.0	13.0	12.2	10.8	11.2	12.1	12.1	10.9	12.0
KWS Kellie (2)⓪	13.8	10.3	13.7	12.3	10.2	11.6	11.4	12.0	11.2	12.5
RGT Planet (2)⓪	13.6	11.4	13.0	11.8	10.4	10.7	11.5	11.8	10.5	12.0
Richer (6)⓪	13.3	10.6	13.8	12.9	12.0	11.7	13.3	13.8	11.8	12.4
Varieties supported for registration by the PRCOB										
Malting										
TR19655 (2)	13.3	—	—	13.5	11.7	—	—	—	10.8	—
Food and Feed										
FB20601 (2)	13.7	—	—	13.6	11.2	—	—	—	11.1	—
TR19758 (2)	13.9	—	—	12.3	10.6	—	—	—	10.6	—
SITE GRAND MEAN (%)	13.7	11.6	13.2	13.1	11.4	11.5	12.4	12.2	11.6	12.4

Trait Stewardship Responsibilities Notice to Farmers

Bayer is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. These products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from these products can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for these products. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal law to use any pesticide product other than in accordance with its labelling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with products with Roundup Ready 2 Xtend® soybeans. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELLED AND APPROVED FOR SUCH USES. Contact the Pest Management Regulatory Agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or products with XtendFlex® Technology.

Roundup Ready® Technology contains genes that confer tolerance to glyphosate. **Roundup Ready® 2 Technology** contains genes that confer tolerance to glyphosate. **Products with XtendFlex®**

Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba. Roundup Ready 2 Xtend® soybeans contains genes that confer tolerance to glyphosate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. **Dicamba** will kill crops that are not tolerant to dicamba. **Glufosinate** will kill crops that are not tolerant to glufosinate. Contact your Bayer retailer, refer to the Bayer Technology Use Guide, or call the technical support line at 1-888-283-6847 for recommended Roundup Ready® Xtend Crop System weed control programs.

Insect control technology provided by **Vip3A** is utilized under license from Syngenta Crop Protection AG. Acceleron®, Bayer, Bayer Cross, BioRise®, BUTEO®, BUTEO®, EverGol®, Prosper®, RIB Complete®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup Xtend®, SmartStax®, Trecepta®, TruFlex®, VaporGrip®, VT Double PRO®, XtendFlex® and XtendiMax® are trademarks of Bayer Group. Used under license. LibertyLink and the Water Droplet Design are trademarks of BASF. Used under license. Agrisure Viptera® is a registered trademarks of a Syngenta group company. LibertyLink® and the Water Droplet Design are trademarks of BASF. Used under license. Herculex® is a registered trademark of Dow AgroSciences LLC. Used under license. Bayer Crop Science Inc. is a member of CropLife Canada. ©2022 Bayer Group. All rights reserved.



2023-2024 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 pilot scale tested at the CMBTC and all exhibit good malting and brewing characteristics. All varieties on the list are registered with the Canadian Food Inspection Agency (CFIA).¹

RECOMMENDED VARIETIES

VARIETY	SEED DISTRIBUTOR	MARKET COMMENTS	PRODUCTION
AAC Connect	CANTERRA SEEDS	Growing Demand	Increasing
CDC Fraser	SeCan	Growing Demand	Increasing
CDC Copeland	SeCan	Stable Demand	Decreasing
AAC Synergy	FP Genetics	Declining Demand	Stable

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 to ensure varietal purity, reduce incidence of disease and increase likelihood of selection for malt.

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

A list of all CGC designated malting barley varieties can be seen on the Canadian Grain Commission web site under "Variety Designation Lists".²

NEWLY REGISTERED VARIETIES IN DEVELOPMENT

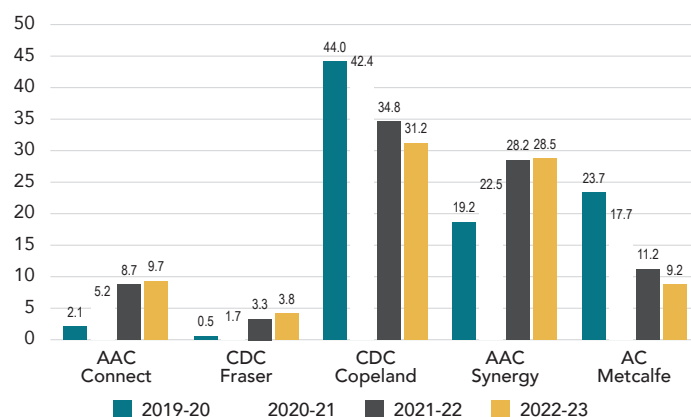
These newly registered varieties are undergoing seed propagation and commercial market development. Contact the seed distributor for opportunities to trial these promising new varieties.

VARIETY	SEED DISTRIBUTOR
CDC Churchill	SeCan
AB BrewNet	SeedNet
AAC Prairie	CANTERRA SEEDS

¹ 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.

² <https://www.grainscanada.gc.ca/en/grain-quality/variety-lists/>

SEEDED AREA BY MAJOR MALTING VARIETY % - W. CANADA



Distribution of malting barley varieties as a percentage (%) of area seeded with malting barley in western Canada in 2022. Source: CGC (based on data from provincial crop insurance agencies).

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



@canadianbarley



@MaltAcademy



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THE INDUSTRY LEADING **CST-1550**

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Six Compartments | 1550 cu.ft.



Self-contained hydraulic drive
25' paddle belt unload conveyor



2 Tons/minute unload speed.
Empty entire tender in <20 minutes



Available scale package for
unsurpassed accuracy



Powered by a 50 hp diesel engine, the CST-1550 is equipped with its own hydraulic system, taking your seeding process to new levels of efficiency. Save time with the advanced, unloading belt conveyor system that ensures gentle and efficient seed delivery directly into your air seeder.

THE ALL NEW **CSC-1545**

COMMERCIAL SEED CART

Six Compartments | 1525 cu.ft.



Simple gravity-flow drop-chutes



Exceptional value



Few moving parts for minimal
maintenance



Convey-All's all new CSC-1545 is the no-nonsense, reliable and safe method to deliver your seed varieties, fertilizer and grain. The Commercial Seed Cart features six separate compartments, side drop-chutes, and an overall capacity of 1,525 cubic feet.

Save time, eliminate contamination and safely haul your seed and fertilizer this spring with a Commercial Seed Tender or Cart from Convey-All. Visit Convey-All.com to find your local dealer.

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OATS

New for 2023

Variety	Code	Breeder	Distributor	Seed Availability
AAC Wesley🌱	OT2129	AAFC - Brandon	FP Genetics	2024
CDC Anson🌱	OT3112	Crop Development Centre	FP Genetics	2025

Comments:

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 Kongsore** was selected for performance under organic growing conditions.

Variety Descriptions

Variety ¹	Site Years Tested	Yield bu/acre	Maturity +/- 96 days	Height +/- 84 cm	Test Wt +/- 39.3 lb/bu	Hull %	Hull Colour	Resistance to:				
								Lodging	Smut	Crown Rust	Stem Rust	BYD ²
AAC Douglas🌱	36	158	-2	3	-1.0	25.9	White	G	R	MR	I	I
AAC Justice🌱	37	155	0	5	0.5	22.8	White	G	R	I	I	I
AAC Kongsore	4	146	1	20	1.0	24.5	White/Yellow	G	R	MS	I	R
AAC Wesley🌱	16	150	-4	-3	-1.2	20.8	White	G	R	MS	I	R
AC Morgan	36	143	1	15	-1.0	25.2	White	G	I	S	S	MS
Alka🌱	33	158	1	1	1.0	28.0	White	G	—	MR	—	MR
CDC Anson🌱	4	167	0	-5	-1.5	19.5	White	VG	R	MR	S	MS
CDC Arborg🌱	35	155	-2	19	0.2	20.5	White	VG	R	I	S	S
CDC Big Brown	42	143	-1	3	0	20.4	Tan	G	R	R	MS	MS
CDC Dancer	40	138	-3	13	0.5	19.6	White	G	R	I	I	MS
CDC Endure🌱	33	159	-1	13	-1.1	20.9	White	VG	R	MR	S	I
CDC Haymaker (F)🌱	37	126	2	25	-1.0	22.0	White	G	MR	S	S	—
CDC Morrison🌱	13	134	-2	-3	-1.0	24.4	White	VG	R	MS	I	I
CDC Norseman🌱	31	151	-3	5	-1.0	20.5	White	G	MS	MR	S	I
CDC Ruffian🌱	39	151	0	0	-0.8	20.5	White	G	R	I	S	S
CDC Skye🌱	25	143	-2	11	0.5	19.6	White	G	R	R	S	—
CS Camden🌱	36	158	2	0	-1.5	21.1	White	VG	I	MS	S	S
Furlong	72	136	-1	20	0.5	20.3	Tan	G	R	S	I	MR
Jordan	52	146	2	8	-2.0	23.6	White	VG	R	I	I	MR
Leggett🌱	144	143	0	0	0	23.0	White	G	R	R	I	MS
ORe3541M🌱	35	139	-2	-2	0.6	23.3	White	VG	R	R	S	MS
ORe3542M🌱	35	142	-1	-2	-1.1	24.4	White	VG	R	R	S	S
ORe Level48🌱	16	142	-1	0	-0.5	21.6	White	G	R	MR	I	—
ORe Level50🌱	16	138	0	1	-0.8	22.0	White	VG	R	R	S	MS
Pinnacle	50	153	3	10	-1.2	23.7	White	G	R	S	I	MS
Ronald	45	135	0	3	0	22.1	White	VG	R	S	I	MR
Souris🌱	60	141	-4	0	0.5	20.9	White	G	R	MS	MR	MS
Stride🌱	39	143	-2	13	0.6	23.7	White	VG	R	R	I	I
Summit🌱	92	147	0	-3	0.5	20.8	White	G	R	I	I	I
Triactor🌱	43	160	-1	8	-1.5	22.1	White	VG	I	MR	S	MS
Varieties being tested for adaptability in Western Canada												
Kalio🌱	16	151	-2	1	-0.8	21.5		VG	—	—	—	—
Kyron🌱	4	163	-3	3	0.9	26.6	White	G	—	—	—	—
Varieties supported for registration by the PRCOB												
OT2134🌱	4	156	2	-2	-0.7	25.5	White/Yellow	VG	R	S	I	R
OT7104	4	158	2	15	-2.3	25.8	White	G	R	S	MS	R
GRAND MEAN (bu/acre)		147										
LSD (bu/acre) (0.05)		9										

¹ The letter 'F' indicates a forage type.

² BYD = Barley Yellow Dwarf - a viral disease carried and spread by aphids - early seeding will generally reduce the likelihood of severe infection.

Yield Comparisons

Variety	2022 Yield (bu/acre)									
	Arborg	Beausejour	Brandon	Carberry	Dauphin	Hamiota	Melita	Roblin	Souris	Stonewall
AAC Douglas	171	201	176	158	192	170	180	198	161	177
AAC Wesley	167	192	163	155	162	174	170	169	160	186
CDC Anson	218	—	—	—	199	192	—	—	168	—
ORe Level48	181	175	181	124	167	142	166	185	142	179
ORe Level50	165	176	168	124	162	148	165	159	126	176
Summit	209	193	135	138	186	164	165	186	145	188
Varieties being tested for adaptability in Western Canada										
Kalio	183	199	170	141	189	165	159	194	155	183
Kyron	209	—	—	—	206	186	—	—	157	—
Varieties supported for registration by the PRCOB										
OT2134	202	—	—	—	202	158	—	—	159	—
OT7104	174	—	—	—	202	178	—	—	173	—
SITE GRAND MEAN (bu/acre)	188	189	165	140	187	168	168	182	155	183
CV %	5.9	7.6	13.0	9.3	3.1	3.3	6.0	5.4	4.5	6.4
LSD (bu/acre)	19	—	—	24	10	10	—	18	12	—
Sign Diff	yes	no	no	yes	yes	yes	no	yes	yes	no
Seeding Date	24-May	27-May	02-Jun	24-May	23-May	16-May	05-May	24-May	24-May	24-May
Harvest Date	22-Sep	14-Sep	09-Sep	30-Aug	06-Sep	06-Sep	16-Aug	12-Sep	12-Sep	12-Sep

NEW

ORe Level48 oat

- ◆ MR for Rust
- ◆ Low Thins
- ◆ Good lodging
- ◆ Yield similar to Summit

Seed Depot—204-825-2000

SPRING WHEAT

New for 2022

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Darby VB [®]	CWRS	PT495	AAFC - Brandon	FP Genetics	2025
AAC Dutton [®]	CWRS	BW1094	AAFC - Brandon	SeCan	2025
AAC Hassler [®]	CWRS	PT496	AAFC - Brandon	FP Genetics	2025
AAC Perform [®]	CPSR	HY2074	AAFC - Lethbridge	Alliance Seed	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.

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.

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

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

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

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

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.

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.

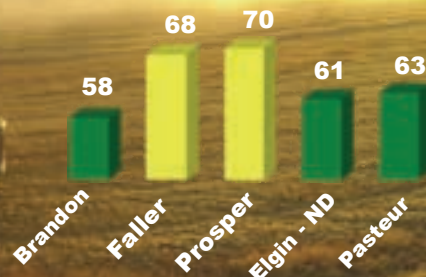
www.seeddepot.ca



2016 Seed MB Data

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

Yield MB 2016



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King**

AAC Brandon



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SPRING WHEAT (continued)

Variety Descriptions

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 99 days	Height +/- 81 cm	Spike Awned	Resistance Level:										Fusarium ²	
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	Stripe Rust	Head Blight			
Canada Western Red Spring																		
AAC Alida VB🌀	33	72	14.7	2	6	Y	VG	VG	R	I	MS	R	R	MR	MR			
AAC Brandon🌀	97	73	14.5	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	MR	I		
AAC Cameron VB🌀	34	77	14.0	1	13	Y	G	F	S	R	I	MR	MR	S	I			
AAC Connery🌀	32	65	15.1	1	3	N	VG	G	MR	I	I	R	MR	R	MR			
AAC Darby VB🌀	17	73	14.9	-2	13	Y	G	VG		MS		MR	R	R	I			
AAC Dutton🌀	4	77	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🌀	4	75	15.2	-1	8	Y	G	VG	I	MS		MR	R	R	I			
AAC Hockley🌀	29	73	14.5	2	-1	Y	VG	G	—	R	—	MR	R	R	MR			
AAC Hodge VB🌀	29	78	14.1	2	8	Y	VG	G	MS	R	R	R	R	R	MR			
AAC Jatharia VB🌀	33	77	14.4	1	13	Y	G	G	S	MS	I	I	R	I	I			
AAC LeRoy VB🌀	34	76	14.5	0	7	Y	G	G	—	I	MS	MR	MR	MR	MR			
AAC Magnet🌀	33	72	14.6	0	8	Y	G	G	—	S	MS	R	R	I	MR			
AAC Prevail VB🌀	44	70	14.3	1	18	N	G	G	S	S	MS	MR	R	R	I			
AAC Redberry🌀	45	73	14.5	0	8	Y	G	G	R	I	MS	R	R	R	I			
AAC Redstar🌀	31	72	14.5	0	6	Y	VG	G	—	MR	—	R	MR	MR	MR			
AAC Russell VB🌀	31	76	14.6	2	4	Y	VG	F	—	MR	—	MR	R	R	MR			
AAC Starbuck VB🌀	36	77	14.7	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	74	14.5	3	-5	Y	VG	G	S	MR	I	R	MR	R	I			
AAC Warman VB🌀	33	72	14.6	0	12	Y	G	F	MR	S	I	R	R	MS	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🌀	137	70	14.6	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR			
Cardale🌀	30	71	14.6	2	3	Y	VG	G	I	MR	MS	R	R	S	MR			
CDC Adamant VB🌀	32	71	14.5	0	8	Y	F	F	S	S	MS	R	I	MS	I			
CDC Bradwell🌀	33	70	14.5	3	5	Y	VG	F	MR	R	MS	MR	R	MS	I			
CDC Hughes VB🌀	33	72	14.7	1	3	Y	VG	VG	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	14.6	-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	68	14.7	-3	8	N	VG	P	R	I	I	R	R	MR	MR			
CDC Silas🌀	29	76	14.3	2	2	Y	VG	—	—	MS	—	MR	R	I	I			
CDC SKRush🌀	31	75	14.7	2	4	Y	VG	P	—	I	—	MR	R	MR	MR			
CDC Succession CLPLUS VB🌀	31	72	14.6	2	2	Y	VG	G	—	S	—	MR	MR	I	MS			
CDC Titanium VB🌀	32	68	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	G	—	S	—	R	MR	R	I			
Glenn🌀	171	70	14.5	2	8	Y	VG	F	I	I	I	R	R	MR	I			
Goodeve VB🌀	53	71	14.9	-2	10	N	VG	G	MR	S	MS	MR	MR	I	S			
Jake🌀	17	70	15.3	-2	8	Y	G	F	—	MR	—	R	MR	R	MS			
Parata🌀	33	70	14.9	-2	13	Y	G	F	MR	S	I	R	MR	MR	I			
Rednet🌀	31	73	14.7	3	16	Y	G	F	—	S	—	R	R	R	MR			
SY Brawn VB🌀	31	74	14.8	1	9	—	VG	F	—	MR	—	MR	R	I	I			
SY Cast🌀	24	74	14.7	3	-1	—	VG	G	—	R	—	R	R	R	I			
SY Chert VB🌀	26	72	14.2	-1	7	Y	G	F	R	R	MS	R	R	R	I			
SY Crossite🌀	13	76	14.2	3	8	—	VG	G	—	MS	—	R	R	R	MR			
SY Donald VB🌀	29	77	14.3	0	8	Y	VG	—	—	MS	—	I	I	I	MR			
SY Gabbro🌀	36	74	14.9	2	7	Y	VG	F	R	I	MS	MR	R	I	MR			
SY Manness🌀	29	79	14.0	1	-5	Y	VG	—	—	S	—	R	R	I	I			
SY Natron🌀	20	70	14.8	2	11	—	G	—	—	R	—	MR	R	S	I			
SY Obsidian🌀	26	72	14.4	1	3	Y	VG	F	R	MS	I	MR	R	MR	MS			
SY Slate🌀	32	73	15.0	1	10	Y	G	P	MS	S	MS	MR	R	MR	I			
SY Sovite🌀	32	66	14.6	1	8	Y	G	F	R	MS	MR	MR	R	R	MR			
SY Torach🌀	33	72	15.0	2	3	Y	VG	F	R	MS	MS	MR	R	MS	MR			
Tracker🌀	31	70	14.8	-2	4	Y	G	G	—	S	—	R	R	R	I			
WR859 CL🌀	42	72	14.5	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 Awmed	Resistance Level:										Fusarium ²	
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	Stripe Rust	Head Blight			
Canada Prairie Spring Red																		
AAC Crossfield	34	78	13.7	2	0	Y	G	P	I	S	I	MR	R	R	R	I		
AAC Entice	35	76	13.7	2	1	Y	G	P	MS	S	MS	R	R	R	R	I		
AAC Foray VB	31	81	13.2	1	5	Y	VG	P	MS	I	MS	MR	R	I	I	I		
AAC Goodwin	33	78	14.2	2	0	Y	VG	G	MS	I	I	I	R	R	R	I		
AAC Penhold	44	78	14.0	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR	MR		
AAC Perform	4	75	13.4	3	1	Y	VG	—	—	I	—	R	R	MR	MS	MS		
AAC Rimbey VB	17	81	12.4	1	0	Y	G	VG	—	I	—	R	R	R	R	I		
AAC Tenacious VB	45	67	13.2	1	20	Y	F	G	R	MR	MS	MR	R	R	R	R		
Accelerate	31	81	13.4	2	-2	Y	VG	F	—	S	—	R	R	R	R	I		
CDC Reign	29	78	14.1	3	2	Y	VG	VG	—	S	—	MR	R	I	I	I		
CDC Terrain	33	74	13.5	0	10	Y	VG	G	MR	MR	I	MR	R	R	MS	MS		
SY Rorke	30	78	12.9	3	2	—	VG	F	—	MS	—	R	R	S	I	I		
SY Rowyn	34	77	13.6	1	-5	Y	VG	F	I	S	I	R	R	MR	MR	MR		
Canada Northern Hard Red																		
AAC Redwater	43	68	14.6	-2	8	Y	G	VG	MS	I	MS	R	R	MR	I	I		
AAC Tradition	33	70	14.3	4	5	Y	G	VG	MS	MR	I	R	MR	S	I	I		
AC Domain	1	70	14.7	-2	10	N	VG	VG	R	I	S	R	I	MR	MS	MS		
Elgin ND	41	80	14.1	2	10	Y	G	F	—	S	I	I	R	MR	I	I		
Faller	52	86	13.0	1	3	Y	G	F	—	I	MS	I	MR	MS	I	I		
Muchmore	40	71	14.3	2	-3	Y	VG	G	MR	R	MS	R	R	MR	MS	MS		
Prosper	46	86	13.0	1	3	Y	G	F	—	I	I	MR	MR	S	I	I		
Shelly	17	79	13.5	2	-5	Y	VG	—	—	MS	—	MR	R	MR	I	I		
Unity VB	53	75	14.3	0	13	Y	F	VG	MS	R	I	MR	R	MS	I	I		
Canada Western Special Purpose																		
AAC Awesome VB	33	92	11.6	4	10	Y	G	P	I	I	I	R	MR	R	I	I		
AAC Innova	42	81	11.7	4	5	Y	F	VP	S	S	I	MR	R	R	S	S		
AAC Proclaim	30	76	12.6	3	10	Y	F	G	MR	S	I	MR	R	MS	MR	MR		
Alderon	33	81	12.0	9	-5	Y	VG	F	—	MS	I	MR	R	MR	—	—		
CDC Throttle	19	84	12.6	2	5	Y	VG	P	MR	I	S	MR	MR	I	I	I		
Pasteur	39	81	13.0	7	5	N	VG	G	MS	S	I	MR	R	MR	I	I		
Sparrow VB	33	83	12.6	8	0	Y	VG	G	—	I	I	MR	R	MR	—	—		
WPB Whistler	31	83	11.9	7	1	N	VG	—	—	I	—	R	R	R	I	I		
Canada Western Hard White Spring																		
AAC Cirrus	37	70	14.8	1	3	Y	VG	F	R	I	I	MR	R	R	I	I		
AAC Iceberg	42	66	14.0	0	3	Y	G	P	MS	MR	MS	R	R	I	I	I		
AAC Tomkins	17	67	15.1	0	2	Y	G	G	—	MR	—	MR	R	MS	I	I		
AAC Whitefox	32	70	13.9	-2	8	N	G	F	MS	MS	MS	MR	MR	MS	I	I		
AAC Whitehead VB	17	80	14.2	1	1	Y	VG	—	—	R	—	R	R	MR	I	I		
Snowstar	28	74	13.6	-1	3	N	VG	G	MS	S	MS	R	MR	MS	MS	MS		
Canada Western Soft White Spring																		
AAC Chiffon VB	44	87	11.5	4	10	Y	F	VP	S	S	—	S	I	MR	S	S		
AAC Indus VB	33	82	11.0	6	5	Y	VG	P	S	MS	MS	S	I	R	MS	MS		
AAC Paramount VB	34	87	11.5	4	8	Y	VG	P	MR	S	—	I	I	R	MS	MS		
Sadash VB	35	77	10.8	4	8	Y	VG	P	I	S	—	MR	I	R	S	S		
Canada Western Extra Strong																		
CDN Bison	38	71	13.8	1	8	Y	G	F	R	I	I	R	MR	—	I	I		
Glencross VB	41	70	14.2	0	20	N	G	F	R	I	MS	R	MR	MR	S	S		
Varieties supported for registration by the PRCWRT																		
PT5003	17	73	14.6	-1	2	Y	G	—	—	R	—	I	R	MR	I	I		
GRAND MEAN (bu/acre and %)		77	14.0															
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	2022 Yield (bu/acre)										
	Arborg	Beausejour	Brandon	Carberry	Dauphin	Hamiota	Melita	Rosebank	Souris	Stonewall	Swan River
Canada Western Red Spring											
AAC Brandon	94	84	87	56	98	72	69	69	71	91	98
AAC Darby VB	101	81	97	66	116	82	65	67	78	84	87
AAC Dutton	101	—	—	—	110	86	—	—	74	—	—
AAC Hassler	93	—	—	—	110	82	—	—	74	—	—
AAC Hockley	90	81	90	62	99	74	69	56	75	92	99
AAC Hodge VB	101	83	91	64	108	92	73	63	75	95	96
CDC Silas	89	77	91	64	113	82	67	69	75	89	91
SY Cast	88	84	91	65	107	83	65	68	67	85	91
SY Donald VB	99	91	98	66	116	91	71	67	72	89	84
SY Manness	104	80	94	71	115	86	72	73	86	105	95
Canada Prairie Spring Red											
AAC Perform	91	—	—	—	112	82	—	—	68	—	—
AAC Rimbey VB	118	91	100	69	116	98	78	78	80	100	102
CDC Reign	104	89	100	70	115	86	72	74	80	100	101
Canada Northern Hard Red											
Shelly	90	88	93	73	108	80	69	66	78	100	93
Canada Western Hard White Spring											
AAC Tomkins	79	67	83	52	96	66	64	63	56	83	85
AAC Whitehead VB	109	91	85	76	109	83	76	70	68	107	96
Varieties supported for registration by the PRCWRT											
HW 409	98	—	—	—	111	84	—	—	73	—	—
PT5003	97	80	87	63	106	77	71	69	58	86	92
SITE GRAND MEAN (bu/acre)	97	83	92	65	109	83	70	68	73	93	94
CV%	8.4	6.4	3.6	6.1	2.8	3.6	6.0	6.9	8.8	2.9	6.2
LSD (bu/acre)	14	9	6	7	5	5	7	8	11	5	10
Sign Diff	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Seeding Date	24-May	27-May	04-Jun	24-May	23-May	16-May	05-May	11-May	24-May	24-May	25-May
Harvest Date	02-Sep	09-Sep	27-Sep	29-Aug	06-Sep	06-Sep	22-Aug	17-Aug	22-Sep	12-Sep	05-Sep

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Protein Comparisons

Class/Variety	2022 Protein (%)										
	Arborg	Beausejour	Brandon	Carberry	Dauphin	Hamiota	Melita	Rosebank	Souris	Stonewall	Swan River
Canada Western Red Spring											
AAC Brandon®	15.9	16.0	15.5	14.8	15.9	14.9	13.4	16.1	16.0	15.7	14.4
AAC Darby VB®	16.4	16.7	15.9	—	16.0	14.8	14.3	16.8	16.3	15.7	14.5
AAC Dutton®	15.2	—	—	—	15.4	14.6	—	—	15.6	—	—
AAC Hassler®	17.1	—	—	—	16.5	15.3	—	—	16.9	—	—
AAC Hockley®	16.2	14.9	15.5	15.4	15.3	15.8	14.4	16.6	15.9	15.1	14.6
AAC Hodge VB®	15.3	15.5	15.2	—	14.9	14.9	14.1	16.3	15.7	14.4	14.9
CDC Silas®	15.2	14.2	15.0	14.5	15.7	14.3	13.7	15.5	15.8	15.3	14.0
SY Cast®	16.4	15.6	15.8	15.5	16.1	15.3	14.5	16.2	16.5	15.8	15.0
SY Donald VB®	15.6	15.7	15.1	15.0	15.7	14.3	14.0	16.2	15.6	14.7	14.8
SY Manness®	15.3	15.4	14.9	14.1	15.1	15.3	13.3	15.3	15.6	14.6	13.4
Canada Prairie Spring Red											
AAC Perform®	14.4	—	—	—	13.8	14.4	—	—	15.3	—	—
AAC Rimbey VB®	13.1	13.1	13.2	13.1	13.2	12.6	12.2	14.0	13.6	12.9	12.3
CDC Reign®	14.7	14.9	14.9	14.2	14.8	14.2	13.9	16.1	15.2	15.1	13.7
Canada Northern Hard Red											
Shelly®	15.4	14.8	14.1	14.1	14.7	14.1	13.0	15.2	14.8	14.3	13.5
Canada Western Hard White Spring											
AAC Tomkins®	17.0	16.9	16.5	15.5	16.9	15.7	14.4	17.1	17.3	16.8	14.3
AAC Whitehead VB®	15.7	15.3	15.2	14.2	15.5	14.6	13.7	16.0	16.0	15.2	14.0
Varieties supported for registration by the PRCWRT											
HW 409	15.7	—	—	—	15.3	14.9	—	—	16.3	—	—
PT5003®	16.2	16.2	15.8	15.6	16.0	15.3	13.7	16.3	16.4	16.2	14.0
SITE GRAND MEAN (%)	15.6	15.4	15.2	14.7	15.4	14.7	13.8	16.0	15.8	15.1	14.1

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DURUM WHEAT

Comments:

Durum wheat was last tested in 2018.

The varieties **AAC Raymore**, **AAC Stronghold**, **CDC Fortitude** and **AAC Cabri** have solid stems with resistance to the wheat stem sawfly. Midge tolerant varieties are designated by the letters 'VB', which stands for Varietal Blend. The varieties contain the Sm1 gene for tolerance. To manage against the build-up of midge resistance to the gene, an interspersed refuge is used commercially. More information on midge tolerant wheat varieties and interspersed refuge can be found at www.midgetolerantwheat.ca

Variety Descriptions

Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 101 days	Height +/- 89 cm	Spike Awned	Resistance Level:									Fusarium	
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	Stripe Rust	Head Blight		
AAC CabriⓈ	9	65	14.1	1	3	Y	G	F	MR	R	I	MR	R	R	MS		
AAC CongressⓈ	3	66	14.0	0	3	Y	G	F	MR	R	MS	MR	R	R	MS		
AAC CurrentⓈ	14	60	14.4	1	4	Y	G	P	MS	MR	I	R	R	MR	MS		
AAC Durafield	8	67	14.2	0	0	Y	G	F	S	R	I	R	R	MR	S		
AAC GrainlandⓈ	26	66	14.1	1	1	Y	G	—	R	R	MS	MR	R	R	MS		
AAC Marchwell VBⓈ	14	62	14.4	0	0	Y	G	P	MR	R	MS	R	R	R	MS		
AAC RaymoreⓈ	14	62	14.3	0	0	Y	G	F	MS	MR	I	R	R	MR	S		
AAC SpitfireⓈ	11	65	14.2	0	-2	Y	VG	F	MS	R	MS	R	R	R	S		
AAC StrongholdⓈ	4	64	14.1	1	-2	Y	VG	G	R	I	I	R	R	MR	MS		
AAC Succeed VBⓈ	4	67	14.2	-1	1	Y	G	—	R	R	MS	MR	R	I	MS		
CDC AlloyⓈ	9	67	13.8	0	4	Y	G	F	I	R	MS	MR	R	R	MS		
CDC CredenceⓈ	2	67	13.9	1	6	Y	G	F	MR	R	I	MR	R	MR	MS		
CDC DesireⓈ	6	60	14.1	-2	0	Y	G	G	MS	R	I	R	R	MR	S		
CDC DynamicⓈ	9	66	14.4	0	2	Y	G	F	I	R	I	MR	R	MR	MS		
CDC PrecisionⓈ	9	68	13.8	0	4	Y	G	F	MS	R	MS	MR	R	R	MS		
CDC VeronaⓈ	21	64	14.1	2	1	Y	G	F	MS	R	MS	R	R	R	MS		
Eurostar	2	67	13.9	2	4	Y	F	F	S	R	I	R	R	R	MS		
StrongfieldⓈ	12	62	14.4	0	0	Y	G	F	S	MR	I	R	R	MR	S		
TranscendⓈ	23	66	14.0	2	5	Y	G	G	S	R	I	R	R	R	MS		
GRAND MEAN (bu/acre)		67	13.7														
LSD (0.05)		4	0.5														

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

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WINTER WHEAT

New for 2023

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Coldfront☺	CWRW	W601	AAFC - Lethbridge	SeCan	2024

Comments:

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

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 +/- 75 cm	Spike Awned	Relative ¹ Maturity	Relative ² Winter Hardiness	Resistance Level:					
								Lodging	Common Bunt	Stem Rust	Leaf Rust	Stripe Rust	Fusarium ³ Head Blight
Canada Western Red Winter													
AAC Coldfront☺	9	93	11.6	8	Y	M	VG	VG	S	R	R	R	I
AAC Elevate☺	39	81	11.6	8	Y	M	G	VG	MR	MR	I	MS	I
AAC Gateway☺	35	82	12.3	2	Y	M	F	VG	S	MR	I	MR	I
AAC Goldrush☺	43	81	11.9	10	Y	M	VG	G	S	MR	R	I	I
AAC Network☺	22	78	12.0	4	Y	L	G	VG	MR	R	MR	R	I
AAC Vortex☺	15	89	12.1	9	Y	M	VG	VG	S	R	R	R	MR
AAC Wildfire☺	28	89	11.6	10	Y	L	VG	G	MR	S	I	R	MR
CDC Buteo	86	80	11.6	16	Y	M	VG	F	S	I	I	S	MR
Emerson☺	64	83	12.5	11	Y	M	G	VG	S	R	I	MR	R
Flourish	35	82	11.9	5	Y	E	F	VG	MR	I	I	I	S
Moats☺	35	83	11.9	16	Y	E	G	F	MS	R	R	MR	S
Canada Western Special Purpose													
Broadview	38	82	11.4	6	Y	E	G	G	S	R	R	S	S
CDC Falcon	103	79	11.7	0	Y	E	F	VG	S	MR	MR	S	S
Peregrine	36	84	11.3	22	Y	M	VG	F	S	I	MR	MR	I
Canada Western Experimental													
AAC Icefield☺	34	83	11.3	5	Y	M	F	VG	S	R	MR	MR	I
GRAND MEAN (bu/acre and %)		81	11.9										
LSD (bu/acre) (0.05)		3	0.3										

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	2022 Yield (bu/acre)							
	Arborg	Beausejour	Boissegvain	Carman	Hamiota	Melita	Roblin	Stonewall
Canada Western Red Winter								
AAC Coldfront®	130	106	97	55	58	104	93	95
AAC Goldrush®	104	103	74	45	59	90	89	73
AAC Network®	89	79	66	38	38	89	73	68
AAC Vortex®	110	101	98	50	78	96	93	85
Emerson®	105	103	94	41	69	88	87	81
SITE GRAND MEAN (bu/acre)	108	98	86	46	60	93	87	80
CV%	4.0	12.3	5.6	6.1	7.5	4.1	7.0	4.7
LSD (bu/acre)	8	—	9	5	9	7	—	7
Sig Diff	Yes	No	Yes	Yes	Yes	Yes	No	Yes
Seeding Date	20-Sep	17-Sep	10-Sep	17-Sep	26-Sep	10-Sep	24-Sep	16-Sep
Harvest Date	17-Aug	10-Aug	17-Aug	17-Aug	02-Sep	10-Aug	26-Aug	29-Aug

Protein Comparisons

Class/Variety	2022 Protein (%)							
	Arborg	Beausejour	Boissegvain	Carman	Hamiota	Melita	Roblin	Stonewall
Canada Western Red Winter								
AAC Coldfront®	12.2	12.7	11.3	12.1	12.5	12.4	12.1	12.7
AAC Goldrush®	12.9	13.5	11.5	13.3	12.2	12.4	11.7	12.2
AAC Network®	13.0	13.2	12.1	12.9	13.2	12.6	12.4	13.2
AAC Vortex®	13.1	13.4	11.7	14.0	12.4	12.6	13.0	13.0
Emerson®	13.0	13.6	12.4	14.6	13.3	13.1	13.2	13.5
SITE GRAND MEAN (%)	12.8	13.3	11.8	13.4	12.7	12.6	12.5	13.0

FALL RYE

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/acre	Height +/- 104 cm	Relative ¹ Maturity	Falling Number (Seconds)	Resistance Level:		Relative Winter Hardiness
						Lodging	Ergot ²	
Danko	29	88	—	—	—	—	—	F
Hazlet	80	93	3	0	152	G	MS	VG
Prima	25	89	13	-3	204	F	MS	VG
Hybrid Fall Rye								
Brasetto	36	108	-7	0	248	VG	MS	VG
KWS Bono	43	108	-8	0	265	VG	MS	VG
KWS Daniello	35	108	-7	-1	272	G	MS	VG
KWS Gatano ^⓪	20	110	-7	0	268	G	MS	VG
KWS Serafino ^⓪	15	118	-5	-1	281	G	MS	VG
KWS Trebiano ^⓪	22	111	-3	0	284	VG	MS	VG
GRAND MEAN (bu/acre)		101						
LSD (bu/acre) (0.05)		4						

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.

Yield Comparisons

Type/Variety	2022 Yield (bu/acre)							
	Arborg	Beausejour	Boissevain	Hamiota	Melita	Roblin	Rosebank	Stonewall
Hazlet	120	107	109	126	82	104	83	89
Hybrid Fall Rye								
KWS Daniello	133	145	132	146	88	121	85	100
KWS Serafino ^⓪	139	156	136	165	92	117	105	104
KWS Trebiano ^⓪	130	126	132	159	99	120	79	97
SITE GRAND MEAN (bu/acre)	130	134	127	149	90	115	88	98
CV%	4.5	8.3	3.6	1.9	3.8	3.6	3.3	6.3
LSD (bu/acre)	12	22	9	6	7	9	6	—
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Seeding Date	20-Sep	17-Sep	10-Sep	13-Sep	10-Sep	16-Sep	17-Sep	24-Sep
Harvest Date	17-Aug	10-Aug	16-Aug	26-Aug	16-Aug	25-Aug	09-Aug	26-Aug

Distributor Contacts for Listed Varieties in Seed Manitoba 2023

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

BARLEY

Malting

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
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
LEGACY (6W)	Nutrien Ag Solutions Proven Seed / FP Genetics
Lowe (2)🍷	SeCan
Newdale (2)🍷	FP Genetics
Sirish🍷	FP Genetics
Torbellino (2)	FP Genetics
Tradition (6W)	Nutrien Ag Solutions Proven Seed / FP Genetics

Food and Feed

AAC Lariat (2)🍷	CANTERRA SEEDS
AB Advantage (6)🍷	SeCan
AB Catlelac (6)🍷	Alliance Seed
AB Hague (2)🍷	FP Genetics
AB Prime (2)🍷	SeedNet
AB Tofield (6)🍷	SeCan
AB Standswell (6)🍷	Mastin Seeds
AB Wrangler (2)🍷	CANTERRA SEEDS
AC Ranger (6F)	FP Genetics
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 Coalition (2)🍷	CANTERRA SEEDS
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
Ibex (2)🍷	Nutrien Ag Solutions Proven Seed
Oreana (2)🍷	Nutrien Ag Solutions Proven Seed

Varieties being tested for adaptability in Western Canada

Esma (2)🍷	SeCan
KWS Kellie (2)🍷	SeCan
RGT Planet (2)🍷	SeCan
Richer (6)🍷	Seed Depot
Waterloo (6)	Seed Depot

OATS

AAC Douglas🍷	SeCan
AAC Justice🍷	FP Genetics
AAC Kongsore	Grain Millers
AAC Wesley🍷	FP Genetics
AC Morgan	SeCan
Alka🍷	Elite Seeds
CDC Anson🍷	FP Genetics
CDC Arborg🍷	FP Genetics
CDC Big Brown	SeCan
CDC Dancer	FP Genetics
CDC Endure🍷	Alliance Seed
CDC Haymaker (F)🍷	SeCan

OATS

CDC Morrison🍷	CANTERRA SEEDS
CDC Norseman🍷	SeCan
CDC Ruffian🍷	FP Genetics
CDC Skye🍷	SeCan
CS Camden🍷	CANTERRA SEEDS
Furlong	CANTERRA SEEDS
Jordan	SeCan
Leggett🍷	FP Genetics
ORe3541M🍷	SeCan
ORe3542M🍷	SeCan
Ore Level48🍷	Seed Depot
Ore Level50🍷	Seed Depot
Pinnacle	FP Genetics
Ronald	SeCan
Souris🍷	Seed Depot
Stride🍷	SeCan
Summit🍷	FP Genetics
Triactor🍷	CANTERRA SEEDS
Varieties being tested for adaptability in Western Canada	
Kalio🍷	CANTERRA SEEDS
Kyron🍷	La Coop Federee

SPRING WHEAT

Canada Western Red Spring

AAC Alida VB🍷	SeCan
AAC Brandon🍷	SeCan
AAC Broadacres VB🍷	Nutrien Ag Solutions Proven Seed
AAC Cameron VB🍷	CANTERRA SEEDS
AAC Connery🍷	CANTERRA SEEDS
AAC Darby VB🍷	FP Genetics
AAC Dutton🍷	SeCan
AAC Elie🍷	Alliance Seed
AAC Hassler🍷	FP Genetics
AAC Hockley🍷	FP Genetics
AAC Hodge VB🍷	FP Genetics
AAC Jatharia VB🍷	SeCan
AAC LeRoy VB🍷	Alliance Seed
AAC Magnet🍷	FP Genetics
AAC Prevail VB🍷	Alliance Seed
AAC Redberry🍷	Alliance Seed
AAC Redstar🍷	SeCan
AAC Russell VB🍷	FP Genetics
AAC Starbuck VB🍷	SeCan
AAC Tisdale🍷	SeCan
AAC Viewfield🍷	FP Genetics
AAC Warman VB🍷	SeCan
AAC Wheatland VB🍷	SeCan
Bolles🍷	Seed Depot
Carberry🍷	SeCan
Cardale🍷	Seed Depot

FRASER SEEDS LTD.

Minto, Manitoba 1/2 mile South of Minto on #10 Hwy, 3 miles West, and 1/2 mile North
 Plant: 204-776-2047
 Rick: 204-534-7458
 Jay: 204-534-7722

RED SPRING WHEAT

AAC Brandon	A trusted standard wheat for the prairies. Very high yield, AAC, good protein, very good disease package, and an (MR) rating for FHB.	AAC Wheatland / AAC Brandon	Midge Tolerant, with shorter, very strong straw, more protein, (1) Rating for FHB. Highest yield last 3 years.
AAC Leroy VB / AAC Redberry	AAC LeRoy VB is a NEW Midge Tolerant CWRS, with a high yield potential in CWRS. MR for FHB and improved lodging resistance, yields of 13% more than Carberry and 10% over Unity in registration trials, Sm1 Resistance.	CDC Endure	A top yielding line, outyielding AC Morgan & CS Camden in 2019 MCVET SKVPG, ABRV trials. Strong Standability. Earlier Maturity than CS Camden. High test weights, Consistently high Beta-glucan content, Parentage: OT590/ CDC Dancer.

*Available in Foundation, Registered and Certified.

SPRING WHEAT

CDC Adamant VB🌀	FP Genetics
CDC Bradwell🌀	SeCan
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
Goodeve VB🌀	Alliance Seed
Jake🌀	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🌀	FP Genetics
SY Crossite🌀	FP Genetics
SY Donald VB🌀	FP Genetics
SY Gabbro🌀	Richardson Pioneer
SY Manness🌀	FP Genetics
SY Natron🌀	
SY Obsidian🌀	Richardson Pioneer
SY Slate🌀	Syngenta Canada Inc.
SY Sovite🌀	Richardson Pioneer
SY Torach🌀	Alliance Seed
Tracker🌀	CANTERRA SEEDS
WR859 CL🌀	Richardson Pioneer

Canada Prairie Spring Red

AAC Crossfield🌀	CANTERRA SEEDS
AAC Entice🌀	Nutrien Ag Solutions Proven Seed
AAC Foray VB🌀	SeCan
AAC Goodwin🌀	SeCan
AAC Penhold🌀	SeCan
AAC Perform🌀	Alliance Seed
AAC Rimbey VB🌀	SeCan
AAC Tenacious VB🌀	Alliance Seed
Accelerate🌀	CANTERRA SEEDS
CDC Reign🌀	FP Genetics
CDC Terrain🌀	FP Genetics
SY Rorke🌀	Nutrien Ag Solutions Proven Seed
SY Rowyn🌀	Alliance Seed

Canada Northern Hard Red

AAC Redwater🌀	SeCan
AAC Tradition	SeCan
AC Domain	SeCan
Elgin ND🌀	FP Genetics
Faller	Seed Depot
Muchmore🌀	FP Genetics
Prosper🌀	Seed Depot
Shelly🌀	Seed Depot
Unity VB🌀	SeCan

Canada Western Special Purpose

AAC Awesome VB🌀	SeCan
AAC Innova🌀	Alliance Seed
AAC Proclaim	FP Genetics
Alderon	SeCan
CDC Throttle	Crop Development Centre
Pasteur	SeCan
Sparrow VB	SeCan
WPB Whistler🌀	SeCan

Canadian Western Hard White Spring

AAC Cirrus🌀	FP Genetics
AAC Iceberg🌀	Alliance Seed
AAC Tomkins🌀	FP Genetics
AAC Whitefox🌀	SeCan
AAC Whitehead VB🌀	FP Genetics
Snowstar🌀	SeCan

Canada Western Soft White Spring

AAC Chiffon VB🌀	SeedNet Inc.
AAC Indus VB🌀	SeCan
AAC Paramount VB🌀	SeCan
Sadash VB🌀	SeCan

SPRING WHEAT**Canada Western Extra Strong**

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

Canada Western Amber Durum

AAC Cabri🌀	SeCan
AAC Congress🌀	CANTERRA SEEDS
AAC Current🌀	Alliance Seed
AAC Durafield	SeCan
AAC Grainland🌀	SeCan
AAC Marchwell VB🌀	SeCan
AAC Raymore🌀	SeCan
AAC Spitfire🌀	SeCan
AAC Stronghold🌀	SeCan
AAC Succeed VB🌀	FP Geneetics
CDC Alloy🌀	FP Genetics
CDC Credence🌀	CANTERRA SEEDS
CDC Desire🌀	Syngenta Canada Inc.
CDC Dynamic🌀	Nutrien Ag Solutions Proven Seed
CDC Precision🌀	Alliance Seed
CDC Verona🌀	Alliance Seed
Eurostar	SeCan
Strongfield🌀	SeCan
Transcend🌀	FP Genetics

WINTER WHEAT**Canada Western Red Winter**

AAC Coldfront🌀	SeCan
AAC Elevate🌀	SeCan
AAC Gateway🌀	Seed Depot
AAC Goldrush🌀	FP Genetics
AAC Network🌀	SeedNet
AAC Vortex🌀	Alliance Seed
AAC Wildfire🌀	SeCan
CDC Buteo	SeCan
Emerson🌀	CANTERRA SEEDS
Flourish	SeCan
McClintock	CANTERRA SEEDS
Moats🌀	SeCan

Canada Western Special Purpose

Broadview	CANTERRA SEEDS
CDC Falcon	SeCan
Peregrine	SeCan

Canada Western Experimental

AAC Icefield🌀	FP Genetics
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FALL RYE

Danko	FP Genetics
Hazlet	SeCan
Prima	SeCan

Hybrid Fall Rye

Brasetto	FP Genetics
KWS Bono	FP Genetics
KWS Daniello	SeedNet Inc.
KWS Gatano🌀	FP Genetics
KWS Serafino🌀	SeedNet
KWS Trebiano🌀	FP Genetics

DISTRIBUTOR**PHONE NUMBER**

Alliance Seed	1-877-270-2890
CANTERRA SEEDS	1-866-744-4321
Crop Development Centre.....	1-306-966-5855
Elite Seeds	
Faurschou Farms Ltd. III	1-204-274-2159
FP Genetics.....	1-877-791-1045
Grain Millers	1-306-783-2931
La Coop Federee	1-514-384-6450
Mastin Seeds.....	1-403-556-2609
Nutrien Ag Solutions Proven Seed.....	1-855-569-9444
Richardson Pioneer.....	1-204-934-5166
SeCan	1-800-665-7333
Seed Depot	1-204-825-2000
SeedNet Inc.....	1-403-715-9771
Syngenta Canada Inc.	1-877-964-3682

Growers List



BARLEY

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 CONNECT☼

Boissevain; Armstrong Seeds Ltd.....	204-534-2566	R
Decker; MFI Seed	204-764-0366	R
Domain; Manness Seed	204-736-2622	C
Domain; Pitura Seed Farms Ltd.....	204-736-2849	R
Pilot Mound; Wallace, Joe	204-825-4543	C
Reinland; Ens Farms Ltd.....	204-362-0612	F
Reston; Avondale Seed Farm Ltd.....	204-877-3813	R

AAC LARIAT☼

Morden; Wilson Seeds Ltd.....	204-362-2449	S
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	S

AAC SYNERGY☼

Domain; Manness Seed	204-736-2622	S
Glenboro; Jefferies Seeds	204-827-2102	R
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	S F R
Medora; Vandaele, Mark & Cole.....	204-522-6463	C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	R
Pilot Mound; Wallace, Joe	204-825-4543	C
Rosenort; Friesen Seeds Ltd.....	204-746-8325	C
Russell; Keating Seed Farms Inc.....	204-773-3854	R
Swan River; Swan Valley Seeds Ltd.....	204-734-2526	R

AB ADVANTAGE☼

Crystal City; Buchanan, Kenneth S. & Dean K.....	204-825-7151	R
Reinland; Ens Farms Ltd.....	204-362-0612	R
Warren; Riddell Seed Co.....	204-227-5679	R

AB CATTLELAC☼

Plumas; Tonn Seeds.....	204-386-2206	S F
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AB HAGUE☼

Souris; David Kohut Ltd.....	204-483-3063	R
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CANMORE☼

Darlingford; Morrow, Graham	204-362-8986	R
Oakville; Miller Agritec Farm Inc.....	204-267-2363	C

CDC AUSTENSON☼

Arborg; Harreg Farms.....	204-642-2570	S
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	C
Cromer; Bartel, Blair.....	204-851-1390	C
Crystal City; Buchanan, Kenneth S. & Dean K.....	204-825-7151	C
Darlingford; Dudgeon, Gilbert Arthur.....	204-242-4559	C
Hamiota; Knight Seeds.....	204-764-2450	R C
Holland; Kubinec, Anastasia.....	204-526-2776	C
Inglis; Beischer Family Farm Seeds Ltd.....	204-564-2676	C
Mac Gregor; Hulme Agra Products Inc.....	204-871-4666	C
Miniota; Walker, Alan Glen	204-748-7264	C
Newdale; Warehamdale Seeds Ltd.....	204-849-2029	R
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	C
Oakville; Miller Agritec Farm Inc.....	204-267-2363	R C
Plumas; Court Seeds Ltd.....	204-386-2354	R C
Plumas; Tonn Seeds.....	204-386-2206	F R
Reinland; Ens Farms Ltd.....	204-362-0612	R
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C
Rosenort; Friesen Seeds Ltd.....	204-746-8325	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C
Ste. Rose Du Lac; PNR Farms.....	204-447-2118	C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	F C
Swan River; Oberlin, George	204-734-2292	C

CDC CHURCHILL☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	C
Virden; Clearview Acres Ltd.....	204-748-7666	C
Warren; Jones, Gavin R.....	204-322-5604	F

CDC COPELAND

Hamiota; Knight Seeds.....	204-764-2450	C
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C

CDC COPPER☼

Souris; David Kohut Ltd.....	204-483-3063	C
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CDC FRASER☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	C
Mather; Mc Lennan, Donald D.....	204-529-2372	C

CDC MAVERICK☼

Cromer; Bartel, Bob	204-662-4580	C
Crystal City; Buchanan, Kenneth S. & Dean K.....	204-825-7151	C
Inglis; Beischer Family Farm Seeds Ltd.....	204-564-2676	C
Oak Bank; Willowdale Seeds	204-444-3205	C
Ste. Rose Du Lac; PNR Farms.....	204-447-2118	C

CDC RENEGADE☼

Warren; Riddell Seed Co.....	204-227-5679	S
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CELEBRATION☼

Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C
Mac Gregor; Hulme Agra Products Inc.....	204-871-4666	S C

CLAYMORE☼

Boissevain; Armstrong Seeds Ltd.....	204-534-2566	S F
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CONLON☼

Darlingford; Morrow, Graham	204-362-8986	C
Portage La Prairie; Pugh Seeds Ltd.....	204-871-1467	C
Somerset; Sierens Seed Service	204-744-2883	C



Energized CONLON Barley

- ✓ Bankable Quality
- ✓ Excellent Yields
- ✓ Earliest Maturity
- ✓ Shorter straw & good lodging
- ✓ Best ratings for Fusarium

“Trusted on over 2 million acres since 2000 as a top performing high energy feed barley”

We believe Conlon barley is still the variety you can depend on to consistently deliver low enough DON to feed hogs & it's your plumpest rolling barley!

For best results choose Certified Seed. *Walter Smith*

Walt Smith	Pilot Mound	825-2000	MB Seeds	Lowe Farm	746-4652
Southern Seed	Minto	776-2333	Miller Agritec	Oakville	267-2363
Boissevain Select Seeds	Boissevain	534-6846	Nickel Bros.	Solsgrith	773-6734
Catellier Seeds	Dufrost	347-5588	Pitura Seed Service	Domain	736-2849
Clearview Acres Ltd.	Virden	748-2666	Pugh Seeds	Portage la Prairie	274-2179
Court Seeds	Plumas	386-2354	Redsper Enterprises	Rivers	328-5346
Durand Seeds	Notre Dame	248-2268	Rutherford Farms	Grosse Isle	467-5613
Ellis Farm Supplies	Wawanesa	824-2290	R-Way Ag	St. Claude	379-2582
Ens Quality Seed	Winkler	325-4658	Seine River Seeds	Ste. Anne	355-4495
Friesen Seeds Ltd.	Morris	746-8325	Sierens Seeds	Somerset	744-2883
Gagnon Seeds	Ste. Rose	447-2118	Swan Valley Seeds	Swan River	734-2526
HB Agri-Seed Ltd.	Killarney	523-7464	Triple "S" Seed	Grandview	546-2590
James Farms	Winnipeg	222-8785	Wheat City Seeds	Brandon	727-3337
Jefferies Seeds Ltd.	Glenboro	827-2102	Wilson Seeds Ltd.	Darlingford	246-2388
Manness Seeds	Domain	736-2622	Zeghers Seed Farm	Holland	526-2145

BARLEY

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ESMA☉			
Arborg; Harreg Farms.....	204-642-2570	C	
Oak Bank; Willowdale Seeds	204-444-3205	R	
Oakville; Miller Agritec Farm Inc.....	204-267-2363	C	
Plumas; Court Seeds Ltd.....	204-386-2354	R	
Reinland; Ens Farms Ltd.....	204-362-0612	C	
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	C	
Viriden; Clearview Acres Ltd.....	204-748-7666	C	
Warren; Jones, Gavin R.....	204-322-5604	F	
Warren; Riddell Seed Co.....	204-227-5679	S F R	

NEWDALE			
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	C	
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C	

RICHER☉			
Arborg; Timchishen Seeds Farms	204-641-1288	S R C	
Mac Gregor; Hulme Agra Products Inc.	204-871-4666	S R	
Minto; Southern Seed Ltd.....	204-776-2333	S R C	
Plumas; Court Seeds Ltd	204-386-2354	C	
Reston; Avondale Seed Farm Ltd	204-8773813	F R C	

TRADITION			
Minto; Southern Seed Ltd.....	204-776-2333	C	
Navin; David G. James And James Farms Ltd.....		C	

OATS

AAC DOUGLAS☉			
Altona; Wiebe, Henry D. & Lloyd	204-324-7999	C	
Arborg; Timchishen Seeds Farms	204-641-1288	F R	
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	S F	
Brandon; Wheat City Seeds Ltd.	204-727-3337	C	
Carman; RJP Seed Ltd.....	204-745-0088	R	
Carman; Ulrich & Monika Menold Ltd.....	204-750-1095	F C	
Darlingford; Morrow, Graham	204-362-8986	C	
Domain; Pitura Seed Farms Ltd.	204-736-2849	S F R C	
Fannystelle; Nadeau Seeds Inc.	204-436-2469	C	
Glenboro; Jefferies Seeds	204-827-2102	F R C	
Holland; Patenaude Farms Inc.		C	
Homewood; Agassiz Seed Farm	204-745-6655	C	
Notre Dame; Durand Seeds Inc.	204-248-2268	R	
Oak Bank; Willowdale Seeds	204-444-3205	C	
Oak Bluff; Gousseau, Marcel E.....	204-895-1357	R	
Pilot Mound; Wallace, Joe	204-825-4543	C	
Plumas; Court Seeds Ltd.....	204-386-2354	C	
Reinland; Ens Farms Ltd.....	204-362-0612	R	
Rosenort; Friesen Seeds Ltd.....	204-746-8325	C	
Sanford; Bergen Seed Farm.....	204-736-2278	S R	
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C	
St. Leon; Labossiere, Luc N. & Rejean F.....	204-744-2208	R	
Ste. Rose Du Lac; PNR Farms.....	204-447-2118	C	
Swan River; Badowski Farms Ltd.....	204-734-6222	C	
Warren; Riddell Seed Co.....	204-227-5679	S F C	
Wawanesa; Ellis Seeds	204-824-2290	C	

AAC WESLEY☉			
Arborg; Timchishen Seeds Farms	204-641-1288	S F	
Domain; Manness Seed	204-736-2622	S F	
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	S F	

CDC ANSON☉			
Glenboro; Jefferies Seeds	204-827-2102	S	

CDC ARBORG☉			
Arborg; Timchishen Seeds Farms	204-641-1288	F R	
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C	
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	C	
Carman; RJP Seed Ltd.....	204-745-0088	C	
Domain; Manness Seed	204-736-2622	S F R	
Domain; Pitura Seed Farms Ltd.	204-736-2849	R	
Gilbert Plains; T & S Seeds.....	204-548-2805	R	
Hamiota; Knight Seeds.....	204-764-2450	F R C	
Inglis; Beischer Family Farm Seeds Ltd.	204-564-2676	C	

OATS

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Killarney; Bar H Agri Seeds.....	204-872-7020	C
Manitou; Sanders Seed Farm.....	204-242-4200	R
Navin; David G. James And James Farms Ltd.....		C
Plumas; Court Seeds Ltd.....	204-386-2354	C
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C
Rosenort; Friesen, Lloyd	204-746-5751	C
Russell; Keating Seed Farms Inc.	204-773-3854	C
Souris; David Kohut Ltd.....	204-483-3063	F

CDC BALER		
Gilbert Plains; T & S Seeds.....	204-548-2805	R

CDC ENDURE☉		
Altona; Fuchsmeier, Joni	204-324-3859	C
Altona; Sawatzky, John.....	204-324-4018	C
Altona; Wiebe, Henry D. & Lloyd	204-324-7999	R
Arborg; Timchishen Seeds Farms	204-641-1288	S C
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	R
Crystal City; Fallis, J. Allan & Mark A.	204-825-8380	C
Gilbert Plains; T & S Seeds.....	204-548-2805	C
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	R
Holland; Kubinec, Anastasia	204-526-2776	R
Homewood; Agassiz Seed Farm	204-745-6655	R
Lowe Farm; Sawatzky, Matt.....	204-746-2187	R
Mac Gregor; Hulme Agra Products Inc.	204-871-4666	R C
Manitou; Sanders Seed Farm.....	204-242-4200	C
Minto; Fraser Seeds Ltd.	204-776-2047	C
Morris; Red River Seeds Ltd.	204-746-3059	C
Notre Dame; Durand Seeds Inc.	204-248-2268	R
Oak Bank; Willowdale Seeds	204-444-3205	C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	C
Oakville; Miller Agritec Farm Inc.....	204-267-2363	C
Pilot Mound; Wallace, Joe	204-825-4543	C
Plumas; Court Seeds Ltd.....	204-386-2354	C
Reinland; Ens Farms Ltd.....	204-362-0612	C
Reston; Avondale Seed Farm Ltd.....	204-877-3813	R
Rosenort; Friesen Seeds Ltd.....	204-746-8325	C
Russell; Keating Seed Farms Inc.	204-773-3854	C
Sanford; Bergen Seed Farm.....	204-736-2278	S F R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	R
Swan River; Oberlin, George	204-734-2292	C
Wawanesa; Ellis Seeds	204-824-2290	C

CDC HAYMAKER☉		
Carman; Ulrich & Monika Menold Ltd.....	204-750-1095	S F C
Cromer; Bartel, Blair.....	204-851-1390	C
Crystal City; Buchanan, Kenneth S. & Dean K.....	204-825-7151	C
Gilbert Plains; T & S Seeds.....	204-548-2805	R
Inglis; Beischer Family Farm Seeds Ltd.	204-564-2676	C
Navin; David G. James And James Farms Ltd.....		C
Oak Bank; Willowdale Seeds	204-444-3205	C
Reinland; Ens Farms Ltd.....	204-362-0612	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C
Ste. Rose Du Lac; PNR Farms.....	204-447-2118	C
Swan River; Oberlin, George	204-734-2292	R
Warren; Riddell Seed Co.....	204-227-5679	F R

CDC MORRISON☉		
Morris; Horizon Agro Inc.....	204-746-2026	R

CS CAMDEN☉		
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	R
Brandon; Wheat City Seeds Ltd.	204-727-3337	R C
Carman; Krahn Agri Farms Ltd	204-750-1287	R
Dauphin; Fisher Farms Ltd.	204-622-8800	C
Decker; MFI Seed.....	204-764-0366	C
Domain; Pitura Seed Farms Ltd.	204-736-2849	C
Glenboro; Jefferies Seeds	204-827-2102	C
Mac Gregor; Hulme Agra Products Inc.	204-871-4666	C
Miniota; Walker, Alan Glen	204-748-7264	C
Morris; Hamblin, Donald & Bradley	204-209-0506	R
Morris; Horizon Agro Inc.....	204-746-2026	R
Oak Bank; Willowdale Seeds	204-444-3205	C
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	R

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

Rosenort; Friesen Seeds Ltd.....	204-746-8325	R
Sanford; Bergen Seed Farm.....	204-736-2278	S R C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C
Ste. Rose Du Lac; PNR Farms.....	204-447-2118	C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	F
Viriden; Clearview Acres Ltd.....	204-748-7666	F R

FURLONG

Mac Gregor; Hulme Agra Products Inc.	204-871-4666	C
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KALIO☼

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

ORE LEVEL48☼

Pilot Mound; Smith Family Seeds.....	204-825-7810	R
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ORE3541M☼

Portage La Prairie; Sanderson, Garry.....	204-857-8406	R
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ORE3542M☼

Dufrost; R & R Catellier Farms.....	204-746-4175	C
Homewood; Agassiz Seed Farm.....	204-745-6655	R
Notre Dame; Durand Seeds Inc.	204-248-2268	F
Oak Bank; Willowdale Seeds.....	204-444-3205	C
Oak Bluff; Gousseau, Marcel E.....	204-895-1357	C
Reinland; Ens Farms Ltd.....	204-362-0612	C

PINNACLE

Rosser; Krym Farms Ltd.....	204-955-5562	S F C
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SOURIS☼

Pilot Mound; Smith Family Seeds.....	204-825-7810	C
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SUMMIT☼

Altona; LD Seeds.....	204-304-0048	C
Altona; Wiebe, Henry D. & Lloyd.....	204-324-7999	C
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C
Boissevain; Froese, Wesley A.J. & Ian.....	204-534-0752	C
Brunkild; SKT Farms Inc.....	204-795-6507	C
Carman; RJP Seed Ltd.....	204-745-0088	R C
Domain; Manness Seed.....	204-736-2622	R C
Domain; Pitura Seed Farms Ltd.....	204-736-2849	F R
Fannystelle; Nadeau Seeds Inc.....	204-436-2469	C
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C
Killarney; Bar H Agri Seeds.....	204-872-7020	C
Killarney; Chatham, Don, Linda & Cody.....	204-534-7487	C
Mac Gregor; Hulme Agra Products Inc.	204-871-4666	R C
Manitou; Sanders Seed Farm.....	204-242-4200	C
Minto; Southern Seed Ltd.....	204-776-2333	C
Morris; Red River Seeds Ltd.....	204-746-3059	C
Navin; David G. James And James Farms Ltd.....		C
Oakville; Miller Agritec Farm Inc.....	204-267-2363	R
Pilot Mound; Smith Family Seeds.....	204-825-7810	C
Reinland; Ens Farms Ltd.....	204-362-0612	C
Rosenort; Friesen Seeds Ltd.....	204-746-8325	F R
Rosenort; Friesen, Lloyd.....	204-746-5751	R
Somerset; Sierens Seed Service.....	204-744-2883	F R
Souris; David Kohut Ltd.....	204-483-3063	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C

FALL RYE

DANKO

Hamiota; Knight Seeds.....	204-764-2450	S F C
Souris; David Kohut Ltd.....	204-483-3063	S R

HAZLET

Carman; RJP Seed Ltd.....	204-745-0088	R
Crystal City; Buchanan, Kenneth S. & Dean K.....	204-825-7151	C
Glenboro; Jefferies Seeds.....	204-827-2102	C
Holland; Kubinec, Anastasia.....	204-526-2776	C
Reinland; Ens Farms Ltd.....	204-362-0612	F C

SPRING WHEAT

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AAC BRANDON☼

Altona; Fuchsmeier, Joni.....	204-324-3859	C
Arborg; Harreg Farms.....	204-642-2570	R C
Baldur; Pembina Co-Op.....	204-825-7885	R
Binscarth; Inland Seed Corp.....	204-683-2316	C
Boissevain; Froese, Wesley A.J. & Ian.....	204-534-0752	S F C
Boissevain; Latimer, Kevin B. & Duane E.....	204-534-8318	R
Brandon; Wheat City Seeds Ltd.....	204-727-3337	S F R
Brunkirtage; SKT Farms Inc.....	204-795-6507	C
Carman; RJP Seed Ltd.....	204-745-0088	C
Carman; Ulrich & Monika Menold Ltd.....	204-750-1095	S F R
Cromer; Bartel, Blair.....	204-851-1390	R
Crystal City; Fallis, J. Allan & Mark A.	204-825-8380	C
Darlingford; Morrow, Graham.....	204-362-8986	C
Dauphin; Fisher Farms Ltd.....	204-622-8800	R
Domain; Pitura Seed Farms Ltd.....	204-736-2849	S F R C
Grandview; Triple S Seeds Ltd.....	204-638-2004	C
Hamiota; Knight Seeds.....	204-764-2450	C
Holland; Patenaude Farms Inc.....		C
Kenton; Stevenson, Richard D.O. & Douglas.....	204-573-3054	C
Kenton; Stevenson, Robert H. & Sidney H.....	204-838-2012	C
Killarney; Bar H Agri Seeds.....	204-872-7020	C
Killarney; Chatham, Don, Linda & Cody.....	204-534-7487	C
Lowe Farm; Sawatzky, Matt.....	204-746-2187	R
Mac Gregor; Hulme Agra Products Inc.	204-871-4666	F C
Manitou; Sanders Seed Farm.....	204-242-4200	R
Minto; Fraser Seeds Ltd.....	204-776-2047	C
Minto; Southern Seed Ltd.....	204-776-2333	R C
Morden; Wilson Seeds Ltd.....	204-362-2449	C
Morris; Horizon Agro Inc.....	204-746-2026	C
Morris; Red River Seeds Ltd.....	204-746-3059	C
Newdale; Warehamdale Seeds Ltd.....	204-849-2029	C



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Wheat	Peas
AAC Wheatland	CDC Lewochko
AAC Hockley	
Faller	Barley
Oats	AAC Connect
CS Camden	

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

Niverville; Prairie Sky Crop Solutions.....	204-388-4303	R
Notre Dame; Durand Seeds Inc.	204-248-2268	R C
Oak Bank; Willowdale Seeds	204-444-3205	R
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S F R
Oakville; Miller Agritec Farm Inc.....	204-267-2363	R C
Pilot Mound; Smith Family Seeds.....	204-825-7810	R C
Pilot Mound; Wallace, Joe	204-825-4543	R
Plum Coulee; Janzen, Ken, Jayme & Ernie A.	204-362-1789	C
Plumas; Court Seeds Ltd.....	204-386-2354	C
Plumas; Tonn Seeds	204-386-2206	F R
Portage La Prairie; Askin, Raymond T. & Jeffrey S.	204-856-3483	S F R
Portage La Prairie; Sanderson, Garry	204-857-8406	R C
Portage La Prairie; Sissons Farms Ltd.....	204-857-7341	C
Reinland; Ens Farms Ltd.....	204-362-0612	R
Reston; Avondale Seed Farm Ltd.....	204-877-3813	R C
Rivers; Providence Farms	204-761-8702	R
Rivers; Redsper Ent. Ltd.....	204-328-5346	C
Rosenort; Friesen Seeds Ltd.....	204-746-8325	R
Rosburn; Mitchell, John	204-859-2431	R C
Sanford; Bergen Seed Farm	204-736-2278	S F R
Somerset; Sierens Seed Service	204-744-2883	F R C
Souris; David Kohut Ltd.....	204-483-3063	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C
St. Joseph; Remillard Seed Farm.....	204-227-5679	C
Ste. Rose Du Lac; PNR Farms.....	204-447-2118	C
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	R
Warren; Riddell Seed Co.....	204-227-5679	F
Wawanesa; Ellis Seeds	204-824-2290	R C

AAC BROADACRES☼

Reston; Avondale Seed Farm Ltd.....	204-877-3813	R *
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AAC ELIE☼

Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	R
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	S F R
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	S R
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	F
Carman; RJP Seed Ltd.....	204-745-0088	S F R
Cromer; Bartel, Bob	204-662-4580	R C
Decker; MFI Seed	204-764-0366	S R C
Domain; Manness Seed	204-736-2622	S F R
Domain; Pitura Seed Farms Ltd.....	204-736-2849	S F R
Elphinstone; Gerrard, Jody	204-365-0321	C
Gilbert Plains; T & S Seeds.....	204-548-2805	R
Grandview; Triple S Seeds Ltd	204-638-2004	R
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C
Hamiota; Knight Seeds.....	204-764-2450	S F R
Inglis; Beischer Family Farm Seeds Ltd.....	204-564-2676	R C
Killarney; Bar H Agri Seeds.....	204-872-7020	C
Manitou; Sanders Seed Farm.....	204-242-4200	S F R
Newdale; Warehamdale Seeds Ltd.....	204-849-2029	R
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S F
Oakville; Miller Agritec Farm Inc.....	204-267-2363	R
Plumas; Court Seeds Ltd.....	204-386-2354	R
Reston; Avondale Seed Farm Ltd.....	204-877-3813	R
Rivers; Redsper Ent. Ltd.....	204-328-5346	R
Russell; Keating Seed Farms Inc.	204-773-3854	C
Souris; David Kohut Ltd.....	204-483-3063	S F R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	R
Swan River; Swan Valley Seeds Ltd.....	204-734-2526	F C

AAC HODGE☼

Altona; Wiebe, Henry D. & Lloyd	204-324-7999	S F *
Binscarth; Inland Seed Corp.....	204-683-2316	S F R *
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	S R *
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	F *
Carman; RJP Seed Ltd.....	204-745-0088	S F *
Domain; Manness Seed	204-736-2622	S F R *
Domain; Pitura Seed Farms Ltd.....	204-736-2849	S F *
Elphinstone; Gerrard, Jody	204-365-0321	R *
Glenboro; Jefferies Seeds	204-827-2102	F R *
Grandview; Triple S Seeds Ltd	204-638-2004	F R *
Hamiota; Knight Seeds.....	204-764-2450	S F R C *
Inglis; Beischer Family Farm Seeds Ltd.....	204-564-2676	R *
Killarney; Bar H Agri Seeds.....	204-872-7020	R *
Mac Gregor; Hulme Agri Products Inc.	204-871-4666	S F R *
Manitou; Sanders Seed Farm.....	204-242-4200	R *
Newdale; Warehamdale Seeds Ltd.....	204-849-2029	R *
Plumas; Court Seeds Ltd.....	204-386-2354	R *
Plumas; Tonn Seeds	204-386-2206	R *
Reston; Avondale Seed Farm Ltd.....	204-877-3813	R *
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S *
Rosenort; Friesen, Lloyd	204-746-5751	F *
Russell; Keating Seed Farms Inc.	204-773-3854	R *
Somerset; Sierens Seed Service	204-744-2883	R *
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	R *
Swan River; Swan Valley Seeds Ltd.....	204-734-2526	F R *

AAC LEROY☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	C *
Crystal City; Fallis, J. Allan & Mark A.	204-825-8380	C *
Elphinstone; Gerrard, Jody	204-365-0321	C *
Foxwarren; Graham, George Arthur	204-773-6389	C *
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C *
Homewood; Agassiz Seed Farm	204-745-6655	C *
Minto; Fraser Seeds Ltd.....	204-776-2047	C *
Oak Bank; Willowdale Seeds	204-444-3205	C *
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	C *

AAC MAGNET☼

Elphinstone; Gerrard, Jody	204-365-0321	C
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AAC PENHOLD☼

Lowe Farm; Sawatzky, Matt.....	204-746-2187	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C



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WHEAT AAC Brandon AAC Hodge VB AAC Starbuck AAC Wheatland Prosper Faller SY Manness	PEAS AAC Carver AAC Chrome CDC Lewochko EDIBLE BEANS Pinto, Navy, Black, and specialty bean seed.	CANOLA Clearfield & Liberty Link GRAIN & SILAGE CORN Thunder Seeds Pride Seeds Horizon Seeds
OATS Summit ORe3542M CDC Endure CS Camden AAC Douglas	SOYBEANS A strong line up of GMO & Non-GMO varieties from Thunder Seeds, Sevita International, and SeCan.	FERTILIZER Alpine starter & foliar fertilizer Direct to farm granular & liquid fertilizer

Lloyd Wiebe
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Dylan Wiebe
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AAC REDBERRY☼

Elphinstone; Gerrard, Jody	204-365-0321	C
Foxwarren; Falloon, A. Scott.....	204-683-2347	C
Gilbert Plains; T & S Seeds.....	204-548-2805	C
Swan River; Oberlin, George	204-734-2292	C

AAC REDSTAR☼

Kenville; Carmichael Seed Farm Ltd.....	204-734-3913	R
Viriden; Clearview Acres Ltd.....	204-748-7666	C

AAC STARBUCK☼

Altona; Fuchsmeier, Joni	204-324-3859	C *
Altona; Wiebe, Henry D. & Lloyd	204-324-7999	S F C *
Arborg; Harreg Farms.....	204-642-2570	R *
Arborg; Timchishen Seeds Farms	204-641-1288	R *
Baldur; Pembina Co-Op	204-825-7885	R *
Binscarth; Inland Seed Corp.....	204-683-2316	R *
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C *
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	C *
Brandon; Wheat City Seeds Ltd.	204-727-3337	S F R *
Brunkild; SKT Farms Inc	204-795-6507	F C *
Carman; Krahn Agri Farms Ltd	204-750-1287	C *
Carman; Menold, Thomas	204-745-3377	C *
Carman; RJP Seed Ltd.....	204-745-0088	C *
Carman; Ulrich & Monika Menold Ltd.....	204-750-1095	S R *
Crystal City; Fallis, J. Allan & Mark A.	204-825-8380	C *
Darlingford; Morrow, Graham	204-362-8986	C *
Dauphin; Fisher Farms Ltd.	204-622-8800	C *
Domain; Pitura Seed Farms Ltd.	204-736-2849	S F R *
Dufrost; Frosty Pine Farms Ltd.....	204-347-5588	R *
Dufrost; R & R Catellier Farms.....	204-746-4175	R *
Elm Creek; W. Runne Ltd., Grey Seed Farm Ltd	204-745-0145	R *
Elphinstone; Gerrard, Jody	204-365-0321	C *
Fannystelle; Nadeau Seeds Inc.....	204-436-2469	C *
Gilbert Plains; T & S Seeds.....	204-548-2805	C *
Glenboro; Jefferies Seeds	204-827-2102	C *
Grandview; Triple S Seeds Ltd	204-638-2004	C *
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	C *
Holland; Vigar, Murray & Gary	204-526-2108	R *
Homewood; Agassiz Seed Farm	204-745-6655	R *
Inglis; Beischer Family Farm Seeds Ltd.....	204-564-2676	C *
Killarney; Bar H Agri Seeds.....	204-872-7020	C *
Lowe Farm; Sawatzky, Matt.....	204-746-2187	R *
Mac Gregor; Hulme Agra Products Inc.	204-871-4666	S F R *
Manitou; Sanders Seed Farm.....	204-242-4200	C *
Miniotia; Walker, Alan Glen	204-748-7264	C *
Morden; Wilson Seeds Ltd.....	204-362-2449	C *
Morris; Red River Seeds Ltd.	204-746-3059	F C *
Navin; David G. James And James Farms Ltd.....		C *
Newdale; Warehamdale Seeds Ltd.	204-849-2029	C *
Niverville; Prairie Sky Crop Solutions.....	204-388-4303	C *
Notre Dame; Durand Seeds Inc.	204-248-2268	C *
Notre Dame; Durand, Leo	204-723-0277	C *
Oak Bluff; Gousseau, Marcel E.....	204-895-1357	C *
Oak River; J.S. Henry & Son Ltd.....	204-566-2422	S F R C *
Oakville; Miller Agritec Farm Inc.....	204-267-2363	R C *
Pilot Mound; Smith Family Seeds.....	204-825-7810	C *
Plum Coulee; Janzen, Ken, Jayme & Ernie A.	204-362-1789	R *
Plumas; Court Seeds Ltd.....	204-386-2354	C *
Plumas; Tonn Seeds	204-386-2206	S F R *
Portage La Prairie; Askin, Raymond T. & Jeffrey S.	204-856-3483	R *
Portage La Prairie; Sanderson, Garry.....	204-857-8406	C *
Portage La Prairie; Sissons Farms Ltd.....	204-857-7341	C *
Reinland; Ens Farms Ltd	204-362-0612	R *
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C *
Rivers; Redsper Ent. Ltd.....	204-328-5346	C *
Rosenort; Friesen Seeds Ltd.....	204-746-8325	C *
Russell; Keating Seed Farms Inc.	204-773-3854	R *
Sanford; Bergen Seed Farm.....	204-736-2278	S F *
Solstgirth; Nickel, James D. & John H. & Kevin J. & J.Gordon	204-842-3757	C *
Somerset; Sierens Seed Service	204-744-2883	R C *
St. Leon; Labossiere, Luc N. & Rejean F.....	204-744-2208	R C *
St. Rose Du Lac; PNR Farms	204-447-2118	C *
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	S F R *
Viriden; Clearview Acres Ltd.	204-748-7666	C *

SPRING WHEAT

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Viriden; Hutchison, Barry	204-851-6157	C *
Warren; Jones, Gavin R.....	204-322-5604	R C *
Warren; Riddell Seed Co.....	204-227-5679	F R *
Wawanesa; Ellis Seeds	204-824-2290	C *

AAC TISDALE☼

Swan River; Oberlin, George	204-734-2292	C
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AAC VIEWFIELD☼

Arborg; Timchishen Seeds Farms	204-641-1288	C
Domain; Manness Seed	204-736-2622	R C
Grandview; Triple S Seeds Ltd	204-638-2004	C
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	C
Rosenort; Friesen, Lloyd	204-746-5751	R C

AAC WHEATLAND☼

Altona; Wiebe, Henry D. & Lloyd	204-324-7999	S F C *
Binscarth; Inland Seed Corp.....	204-683-2316	C *
Binscarth; Pizzey, Benson	204-821-0774	C *
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C *
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	R *
Brandon; Wheat City Seeds Ltd.	204-727-3337	C *
Decker; MFI Seed	204-764-0366	S F R *
Foxwarren; Falloon, Larry.....		R C *
Foxwarren; Graham, George Arthur	204-773-6389	C *
Gilbert Plains; T & S Seeds.....	204-548-2805	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 H. & Sidney H.	204-838-2012	R *
Kenville; Carmichael Seed Farm Ltd.....	204-734-3913	C *



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Wheat Marketing Package - \$93 (GST included)
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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.

Killarney; Chatham, Don, Linda & Cody.....	204-534-7487	R C *
Manitou; Sanders Seed Farm.....	204-242-4200	C *
Mather; Mc Lennan, Donald D.....	204-529-2372	C *
Miniota; Walker, Alan Glen	204-748-7264	R C *
Minto; Fraser Seeds Ltd.....	204-776-2047	R *
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S F R C *
Pilot Mound; Smith Family Seeds.....	204-825-7810	C *
Reinland; Ens Farms Ltd.....	204-362-0612	C *
Rivers; Providence Farms	204-761-8702	C *
Russell; Keating Seed Farms Inc.....	204-773-3854	C *
Solsgirth; Nickel, James D. & John H. & Kevin J. & J.Gordon	204-842-3757	C *
Swan River; Badowski Farms Ltd.....	204-734-6222	C *
Wawanesa; Ellis Seeds	204-824-2290	R *

ACCELERATE☼

Killarney; Chatham, Don, Linda & Cody.....	204-534-7487	C
Morris; Horizon Agro Inc.....	204-746-2026	S F C
Pilot Mound; Wallace, Joe	204-825-4543	C
Viriden; Clearview Acres Ltd.....	204-748-7666	C

BOLLES☼

Brandon; Wheat City Seeds Ltd.....	204-727-3337	C
Killarney; Bar H Agri Seeds.....	204-872-7020	C
Pilot Mound; Smith Family Seeds.....	204-825-7810	R C
Portage La Prairie; Pugh Seeds Ltd.....	204-871-1467	R C
Solsgirth; Nickel, James D. & John H. & Kevin J. & J.Gordon	204-842-3757	R C

CARDALE☼

Pilot Mound; Smith Family Seeds.....	204-825-7810	R
Portage La Prairie; Pugh Seeds Ltd.....	204-871-1467	C

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CDC SKRUSH☼

Carman; Ulrich & Monika Menold Ltd.....	204-750-1095	S
Notre Dame; Durand, Leo	204-723-0277	R

DAYBREAK☼

Morris; Horizon Agro Inc.....	204-746-2026	F C
Oak Bank; Willowdale Seeds	204-444-3205	C

FALLER

Darlingford; Morrow, Graham	204-362-8986	C
Domain; Pitura Seed Farms Ltd.....	204-736-2849	C
Grandview; Triple S Seeds Ltd.....	204-638-2004	C
Mac Gregor; Hulme Agra Products Inc.....	204-871-4666	C
Morris; Red River Seeds Ltd.....	204-746-3059	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.....	204-825-7810	C
Plum Coulee; Janzen, Ken, Jayme & Ernie A.....	204-362-1789	R C
Rosenort; Friesen Seeds Ltd.....	204-746-8325	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....	204-371-7700	C

PROSPER☼

Altona; LD Seeds.....	204-304-0048	C
Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C
Morris; Red River Seeds Ltd.....	204-746-3059	C
Pilot Mound; Seed Depot Corporation	204-825-2000	C
Pilot Mound; Smith Family Seeds.....	204-825-7810	C
Solsgirth; Nickel, James D. & John H. & Kevin J. & J.Gordon	204-842-3757	C

SY MANNESS☼

Altona; Wiebe, Henry D. & Lloyd	204-324-7999	F C
Arborg; Timchishen Seeds Farms	204-641-1288	S F R
Domain; Manness Seed	204-736-2622	S F
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S
Rosenort; Friesen, Lloyd	204-746-5751	R
Swan River; Swan Valley Seeds Ltd.....	204-734-2526	F R

SY TORACH☼

Holland; Kubinec, Anastasia.....	204-526-2776	C
Sanford; Bergen Seed Farm.....	204-736-2278	R
Viriden; Clearview Acres Ltd.....	204-748-7666	C

WINTER WHEAT

AAC GOLDRUSH☼

Grosse Isle; Rutherford Farms Ltd.....	204-467-5613	C
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AAC VORTEX☼

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

Domain; Pitura Seed Farms Ltd.....	204-736-2849	C
Minto; Southern Seed Ltd.....	204-776-2333	C
Plumas; Court Seeds Ltd.....	204-386-2354	C
Plumas; Tonn Seeds.....	204-386-2206	C
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....	204-371-7700	C

EMERSON☼

Mac Gregor; Hulme Agra Products Inc.....	204-871-4666	S F C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....	204-371-7700	C

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Oilseed Crops

Variety Description Key

A "CHECK CHARACTERISTICS" line is at the bottom of each table for flax and soybeans to display the long term yield, number of site years, maturity and any other check attributes.

The check variety for each canola trial is indicated by the coloured line in that corresponding table. Canola varieties should only be compared within their own table, to that respective check.

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

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

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

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

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

Key to 2022 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. If no significant difference is noted, no LSD value is given.

Soybean Comments

For specific notes regarding the soybean tables, refer to the SOYBEAN COMMENTS at the top of page 66.

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BY LOGAN XT	0.007 RM
BY MORRO XT	00.1 RM
BY RANIER XT	00.5 RM

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DISTINCT BY DESIGN

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

All variety yields compared as a percentage of the check specific to that herbicide block and harvest type. To maintain trial consistency, and reduce risk of clubroot affecting yield trials, the check variety is a clubroot-resistant hybrid.

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.

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

Comments:

Variety descriptions summarize the performance of varieties tested in the 2022 Canola Performance Trials (CPT). Data donated by the CPT Committee. For more information visit www.canolaperformancetrials.ca.

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

Blackleg Resistance

All varieties in the table below have a resistant (R) rating for Blackleg (<30% infection of Westar check). Lesions and yield loss can still occur, based on the level of inoculum and blackleg pathotype in the field, in combination with environmental conditions conducive for disease development. Some seed distributors have chosen to provide blackleg resistance grouping based on major-gene (qualitative) resistance within that variety in addition to the traditional rating. Labels identifying major resistance genes present will use the letters: A, B, C, D, E1, E2, F, G, H, and X. Adult-plant (quantitative) resistance remains an important factor. Visit www.blackleg.ca 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. See page 60 for the map indicating clubroot distribution in Manitoba. 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. Clubroot resistance is generally termed 1st or 2nd Generation based on genetic source. First-generation clubroot resistance confers resistance to clubroot pathotypes 2F, 3H, 5I, 6M, and 8N, on the Canadian Clubroot Differential Set (Strelkov et al., 2018). Second-generation sources contain resistance to a varying set of pathotypes outside the original five first-generation pathotypes, but may also have resistance to the original five.

For further information on clubroot resistance labels, please visit www.clubroot.ca, refer to the company website, or speak with your seed representative.

Pod Shatter Resistance

The pod shatter rating scale was developed by the Canola Council of Canada in 2021. 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. Numeric pod shatter ratings are provided by their respective companies, or may not yet be identified on the new rating system.

LIBERTY LINK CANOLA

Variety Description

Distributor	Name	Herbicide Tolerance ³	Manitoba CPT Data ¹					WCC/RRC Data ²		
			# of Sites	Yield (% of check)	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	Blackleg Resistance ⁴ (Group)	Clubroot Resistance ⁴ (Generation)	Pod Shatter Rating ⁵ (1-9)
Liberty Link - Straight Cut										
BREVANT seeds	B3010M	LL	6	87	61	90	2.3	R	R (1+2)	Y (6)
CANTERRA SEEDS	CS4000 LL	LL	6	92	64	88	3.0	R	R (1)	Y
DEKALB	DKLL 82 SC	LL	6	88	62	90	2.2	R (A,C,G)	—	Y
DEKALB	DKTFLL 21 SC	LL/TF	6	88	61	88	3.1	R (A,C,G)	—	Y
BASF InVigor	L340PC	LL	6	100	70	89	2.3	R	R (1)	Y (8)
BASF InVigor	L343PC	LL	6	95	67	90	2.5	R	R (1+2)	Y (8)
BASF InVigor	L345PC	LL	6	96	67	91	3.0	R	R (1)	Y (8)
BASF InVigor	L356PC	LL	6	101	71	91	2.2	R	R (1)	Y (8)
Pioneer Brand Seeds	P505MSL	LL	6	94	66	91	2.6	R	R (1)	Y
Pioneer Brand Seeds	P506ML	LL	6	92	64	89	2.7	R	R (1)	Y
LSD				10	7					
Liberty Link - Swathed										
WinField United CROPLAN	CP21L3C	LL	6	91	59	87	2.1	R	R (1)	—
BREVANT seeds	B3011	LL	6	79	52	89	2.4	R	R (1)	5
BASF InVigor	L340PC	LL	6	100	65	88	2.1	R	R (1)	Y (8)
Pioneer Brand Seeds	P501L	LL	6	94	59	87	2.0	R	R (1)	—
LSD				10	6					

1 Data from independent post-registration canola hybrid testing in the Canola Performance Trials.

2 Data from canola hybrid registration testing at Western Canadian Canola/Rapeseed Recommending Committee Trials.

3 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield

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

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

ROUNDUP READY CANOLA

Variety Description

			Manitoba CPT Data ¹					WCC/RRC Data ²		
Distributor	Name	Herbicide Tolerance ³	# of Sites	Yield (% of check)	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	Blackleg Resistance ⁴ (Group)	Clubroot Resistance ⁴ (Generation)	Pod Shatter Rating ⁵ (1-9)
Roundup Ready - Straight Cut										
Pioneer Brand Seeds	45CM39	RR	6	100	63	90	3.2	R	R (1+2)	Y
BREVANT seeds	D3158CM	RR	6	98	62	89	2.9	R	R (1)	Y (7)
LSD				11	6					
Roundup Ready - Swathed										
Pioneer Brand Seeds	45CM39	RR	6	100	57	88	2.8	R	R (1+2)	Y
Pioneer Brand Seeds	45H42	RR	6	100	57	89	2.6	R	R (1)	—
BREVANT seeds	1028 RR	RR	6	95	55	92	2.6	R	R (1)	5
LSD				10	6					

1 Data from independent post-registration canola hybrid testing in the Canola Performance Trials.

2 Data from canola hybrid registration testing at Western Canadian Canola/Rapeseed Recommending Committee Trials.

3 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield

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

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

TRUFLEX CANOLA

Variety Description

			Manitoba CPT Data ¹					WCC/RRC Data ²		
Distributor	Name	Herbicide Tolerance ³	# of Sites	Yield (% of check)	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	Blackleg Resistance ⁴ (Group)	Clubroot Resistance ⁴ (Generation)	Pod Shatter Rating ⁵ (1-9)
TruFlex - Straight Cut										
BrettYoung	BY 6211TF	TF	5	107	62	89	3.4	R (C,G)	—	Y
WinField United CROPLAN	CP21T3P	TF	5	103	60	91	3.6	R (A,G)	—	Y (7)
CANTERRA SEEDS	CS2600 CR-T	TF	5	100	58	86	4.2	R (C)	R (1+2)	Y
CANTERRA SEEDS	CS3000	TF	5	107	63	89	3.7	R (A,G)	R (1+2)	Y
CANTERRA SEEDS	CS3100	TF	5	91	53	92	2.5	R (A,D,E ₂)	R (1+2)	Y
DEKALB	DKTF 97 CRSC	TF	5	102	60	88	3.4	R (A,G)	R (1)	Y
DEKALB	DKTF 99 SC	TF	5	107	62	89	3.8	R (G)	—	Y
Nutrien Ag Solutions Proven Seed	PV 761 TM	TF	5	105	61	91	3.0	R	—	Y
	LSD			10	6					
TruFlex - Swathed										
BrettYoung	BY 6207TF	TF	6	93	50	97	1.8	R (C)	R (1+2)	—
CANTERRA SEEDS	CS2600 CR-T	TF	6	100	53	86	3.8	R (C)	R (1+2)	Y
DEKALB	DKTF 98 CR	TF	6	100	53	86	3.2	R (A,C)	R (1+2)	—
	LSD			13	7					

1 Data from independent post-registration canola hybrid testing in the Canola Performance Trials.

2 Data from canola hybrid registration testing at Western Canadian Canola/Rapeseed Recommending Committee Trials.

3 Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield

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

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

Variety Description

Distributor	Name	Herbicide Tolerance ³	Manitoba CPT Data ¹					WCC/RRC Data ²		
			# of Sites	Yield (% of check)	Yield (bu/ac)	Maturity (Days)	Lodging (1-5)	Blackleg Resistance ⁴ (Group)	Clubroot Resistance ⁴ (Generation)	Pod Shatter Rating ⁵ (1-9)
Clearfield - Swathed										
BrettYoung	BY 5125CL	CL	6	100	51	91	2.7	R (C)	R (1)	—
BREVANT seeds	B2030MN	CL	6	108	55	90	2.7	R	R (1)	6
CANTERRA SEEDS	CS2500 CL	CL	6	103	53	89	2.7	R (C)	—	—
CANTERRA SEEDS	CS2700 CL	CL	6	99	51	91	2.3	R (A,E ₂)	R (1+2)	—
Pioneer Brand Seeds	P508MCL	CL	6	113	58	88	2.9	R	—	—
Pioneer Brand Seeds	P607CL	CL	6	114	58	90	2.5	R	R (1)	—
Nutrien Ag Solutions Proven Seed	PV 280 CLC	CL	6	117	60	88	2.5	R	R (1+2)	—
LSD				14	7					

¹ Data from independent post-registration canola hybrid testing in the Canola Performance Trials.

² Data from canola hybrid registration testing at Western Canadian Canola/Rapeseed Recommending Committee Trials.

³ Herbicide tolerance is indicated as LL - LibertyLink, TF - TruFlex, RR - Roundup Ready, CL - Clearfield

⁴ Genetic disease resistance is indicated with an "R" resistant rating to Blackleg, Clubroot, based on variety descriptions submitted to CFIA.

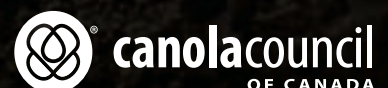
⁵ The Canola Council of Canada rating system indicates that 1 = poor, 9 = excellent pod shatter resistance.

Get to **the root** of the problem.

Mitigate clubroot and maintain profitability

by using clubroot resistance (CR) as part of an integrated prevention and management plan.

Visit **clubroot.ca** to learn more.



Yield Comparisons

		LONG SEASON ZONE				MID SEASON ZONE		
Distributor	Name	Brunkild	High Bluff	Morden	Souris	Dauphin	Hamiota	Swan River
	Liberty Link - Straight Cut (bu/ac)							
BREVANT seeds	B3010M	52	49	63	—	61	74	68
CANTERRA SEEDS	CS4000 LL	69	43	73	—	65	76	55
DEKALB	DKLL 82 SC	58	47	64	—	60	74	67
DEKALB	DKTFLL 21 SC	60	44	64	—	63	72	64
BASF InVigor	L340PC	64	50	84	—	66	78	76
BASF InVigor	L343PC	52	51	78	—	68	78	72
BASF InVigor	L345PC	58	55	79	—	63	82	67
BASF InVigor	L356PC	64	52	81	—	64	82	82
Pioneer Brand Seeds	P505MSL	75	45	76	—	60	77	61
Pioneer Brand Seeds	P506ML	67	47	72	—	63	74	63
	Mean	62	48	73		63	77	68
	LSD (bu/ac)	8	5	10		6	5	6
	CV	9	7	10		7	5	6

Liberty Link - Swathed (bu/ac)								
WinField United CROPLAN	CP21L3C	51	37	71	—	64	75	56
BREVANT seeds	B3011	46	35	68	—	57	58	46
BASF InVigor	L340PC	62	47	75	—	64	73	68
Pioneer Brand Seeds	P501L	57	45	72	—	63	74	56
	Mean	54	41	72		62	70	57
	LSD (bu/ac)	9	4	6		4	6	8
	CV	10	6	6		4	5	8

Roundup Ready - Straight Cut (bu/ac)								
Pioneer Brand Seeds	45CM39	—	41	70	65	61	75	66
BREVANT seeds	D3158CM	—	41	74	59	62	71	62
	Mean		41	72	62	62	73	64
	LSD (bu/ac)		6	14	7	3	5	7
	CV		6	8	5	2	3	5

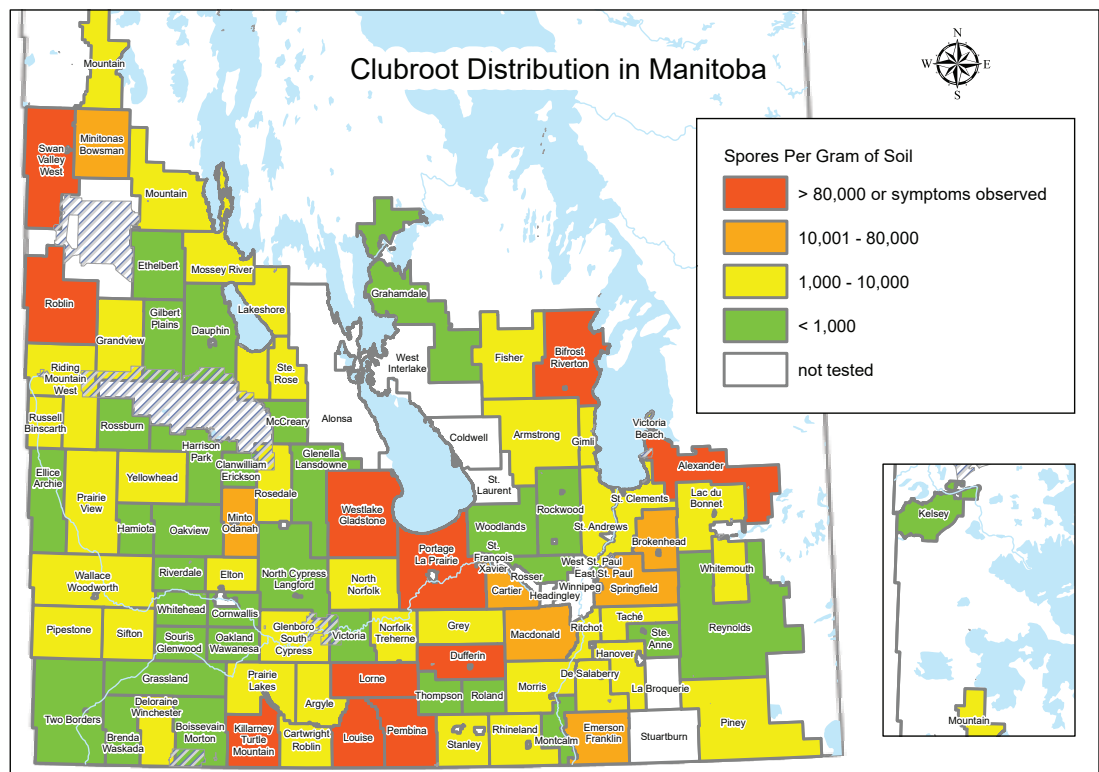
Roundup Ready - Swathed (bu/ac)								
Pioneer Brand Seeds	45CM39	—	39	70	45	57	71	61
Pioneer Brand Seeds	45H42	—	42	72	48	53	68	58
BREVANT seeds	1028 RR	—	37	65	57	47	60	61
	Mean		39	69	50	52	66	60
	LSD (bu/ac)		5	4	8	9	4	5
	CV		7	3	9	10	4	5

Yield Comparisons

		LONG SEASON ZONE				MID SEASON ZONE		
		Brunkild	High Bluff	Morden	Souris	Dauphin	Hamiota	Swan River
Distributor	Name							
	TruFlex - Straight Cut (bu/ac)							
BrettYoung	BY 6211TF	—	48	62	—	56	85	60
WinField United CROPLAN	CP21T3P	—	45	61	—	58	77	60
CANTERRA SEEDS	CS2600 CR-T	—	42	61	—	58	75	53
CANTERRA SEEDS	CS3000	—	49	67	—	61	72	63
CANTERRA SEEDS	CS3100	—	29	58	—	56	73	48
DEKALB	DKTF 97 CRSC	—	44	61	—	58	71	64
DEKALB	DKTF 99 SC	—	49	67	—	56	80	60
Nutrien Ag Solutions Proven Seed	PV 761 TM	—	47	68	—	55	74	62
	Mean		44	63		57	76	59
	LSD (bu/ac)		3	7		6	8	5
	CV		5	8		7	7	6

TruFlex - Swathed (bu/ac)								
BrettYoung	BY 6207TF	48	41	70	—	33	59	47
CANTERRA SEEDS	CS2600 CR-T	56	33	64	—	39	67	60
DEKALB	DKTF 98 CR	51	35	60	—	42	75	55
Mean		52	36	65		38	67	54
LSD (bu/ac)		9	4	6		4	9	9
CV		10	6	5		5	8	10

Clearfield - Swathed (bu/ac)								
BrettYoung	BY 5125CL	50	35	57	—	47	58	60
BREVANT seeds	B2030MN	62	42	55	—	45	65	63
CANTERRA SEEDS	CS2500 CL	45	34	62	—	60	54	61
CANTERRA SEEDS	CS2700 CL	54	36	59	—	39	57	59
Pioneer Brand Seeds	P508MCL	56	33	64	—	65	71	60
Pioneer Brand Seeds	P607CL	57	41	62	—	55	69	66
Nutrien Ag Solutions Proven Seed	PV280 CLC	58	36	66	—	67	69	64
Mean		54	37	61		54	63	62
LSD (bu/ac)		11	4	6		9	9	5
CV		13	8	7		11	9	5



Clubroot Spore Concentration Map

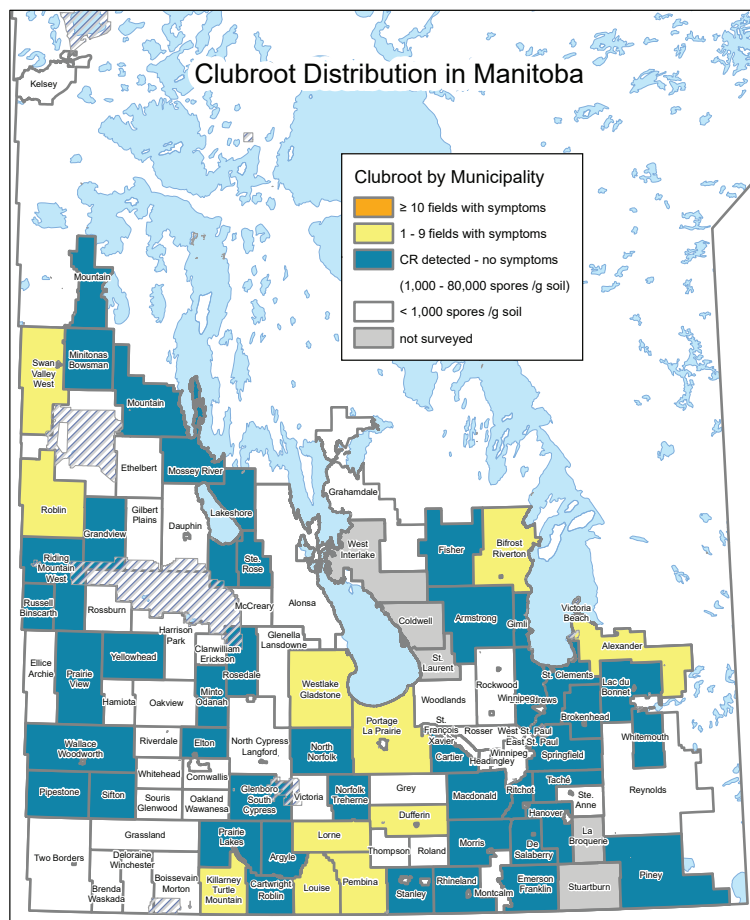
(October 2022):

The map shows positive clubroot findings by Rural Municipality (RM), discovered through visual field symptoms and presence of clubroot spores in soil through laboratory testing for DNA. Testing completed from 2009 to date is still considered limited, in that only one field per township (36 sq miles) was tested as a representative field to create the map. Positive findings have generally been at low concentrations, usually below 5,000 spores/gram soil – considered negligible - throughout the province. Currently there are 56 RMs in the low (yellow) to high (red) risk categories, where spore load is higher. As more fields are sampled, the map is updated.

Prairie-Harmonized Clubroot Distribution Map

(October 2022):

This alternative depiction of clubroot distribution situation in Manitoba is based on 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. The Ministry of Agriculture in Saskatchewan posted this style of map early in 2021. Eventually, it will be possible for the release of a map that covers the whole prairie region, including Manitoba, Saskatchewan, Alberta, and the BC Peace River region.



A composite image featuring a farmer in a field of green crops under a sunset sky. The bottom half of the image is overlaid with a vibrant, colorful nebula or galaxy, creating a cosmic theme. The text 'TAP INTO THE TRUE POTENTIAL OF YOUR FARM.' is written in large, bold, white capital letters across the middle of the image.

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A close-up photograph of several golden wheat stalks, showing the texture of the grains and the awns. The image is positioned in the top right corner of the page, partially overlapping the white background.

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FLAX

New for 2023

Variety	Code	Breeder	Distributor	Seed Availability
CDC Kernen	FP2573	Crop Development Centre	SeCan	2023

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 2022.

All varieties are immune to rust.

All varieties are susceptible to pasmo.

Variety Descriptions

Variety	Site	Yield bu/acre	Maturity	Height	Seed Color	Seed Size TSW	Oil Content	Oil Quality ¹ :		Resistance Level:	
	Years Tested		+/- 102 days	+/- 68 cm				Iodine Number	ALA Content	Lodging ²	Fusarium Wilt
AAC Bravo	31	34	1	0	brown	6.4	44.6	194.0	60.2	G	MR
AAC Bright	12	36	2	0	yellow	5.6	48.8	192.1	56.2	G	MR
AAC Marvelous	20	37	2	0	brown	5.8	47.1	192.1	55.8	G	MR
CDC Bethune	135	35	0	0	brown	5.8	45.6	188.6	54.7	G	MR
CDC Dorado	20	33	-1	-5	yellow	5.9	46.6	206.6	65.8	FG	MR
CDC Glas	38	36	1	3	brown	5.2	45.8	192.0	56.6	G	MR
CDC Kernen	14	37	1	0	brown	6.5	45.4	191.6	57.3	VG	MR
CDC Neela	25	35	1	3	brown	5.7	45.5	194.4	59.1	G	MR
CDC Plava	22	35	-2	-3	brown	5.7	46.5	195.5	57.2	G	MR
CDC Rowland	25	39	4	0	brown	6.8	45.2	195.1	59.2	G	MR
CDC Sorrel	57	35	1	3	brown	6.4	45.1	192.7	57.8	F	MR
Hanley	71	32	-2	-5	brown	5.7	44.7	197.7	58.6	VG	R
Lightning	41	33	1	-5	brown	6.0	47.6	192.5	56.1	G	MR
Topaz	13	34	0	0	brown	5.8	45.9	188.2	54.4	G	MR
VT50	29	33	4	-5	yellow	5.1	47.1	209.4	67.6	VG	MR
WestLin 70	13	34	2	5	brown	6.4	45.8	194.5	61.9	G	MR
WestLin 71	16	35	2	-5	brown	5.6	47.5	198.1	61.2	G	MR
WestLin 72	30	34	3	-3	brown	5.4	47.0	192.8	57.0	VG	MR
Varieties supported for registration by the PRCO											
FP2591	8	37	2	-2	brown	6.3	44.5	192.0	57.1	G	MR
GRAND MEAN (bu/ac)		36									
LSD (p<0.05)		2.2									

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	2022 Yield (bu/acre)				
	Carberry	Hamiota	Melita	Roblin	Rosenort
AAC Bright	36	56	46	49	32
CDC Dorado	29	52	42	37	27
CDC Glas	31	60	46	46	32
CDC Kernen	31	62	47	50	32
CDC Rowland	37	64	45	50	33
Varieties pending registration support by the PRCO					
FP2591	37	59	47	48	31
SITE GRAND MEAN (bu/ac)					
CV %	10.0	5.6	6.8	6.5	7.3
LSD (bu/ac)	6	5	5	5	4
Sign Diff	Yes	Yes	Yes	Yes	Yes
Seeding Date	26-May	16-May	16-May	24-May	27-May
Harvest Date	08-Sep	27-Sep	13-Sep	24-Oct	11-Oct

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SOYBEANS

NOTES FOR ALL SOYBEAN TABLES

Maturity Notes:

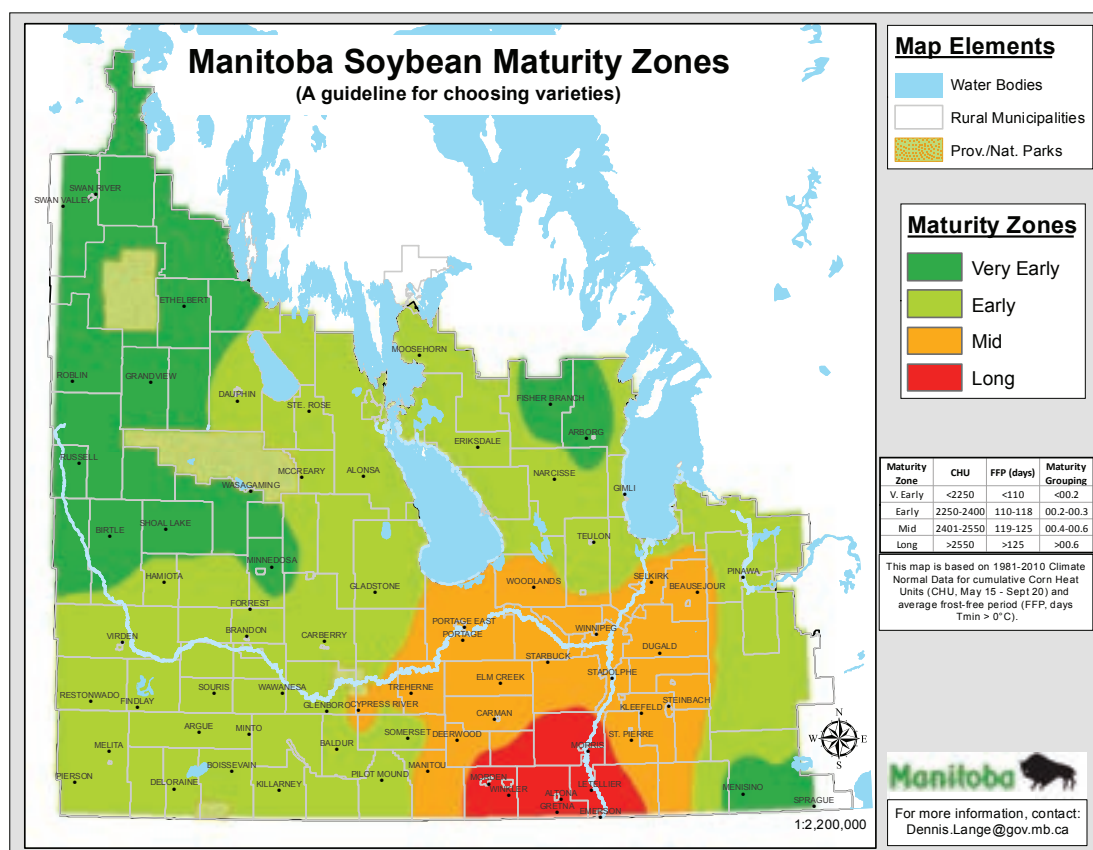
- 1 Soybean varieties have been organized into 4 maturity zones - very early, early, mid and long season areas.
- 2 Maturity grouping is a ranking of maturity provided by seed suppliers. Rankings are assigned to assist growers in selecting varieties suited for their area.
- 3 Relative days to maturity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



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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 ²	Resistance		2022 Yield % of Akras R2					
Zone	Variety	Check	Tested	+/- Check ¹	Rating/Group	SCN ³	PRR ⁴	Dauphin	Hamiota	Holland	Melita	Souris	Swan River
Very Early Season Zone	EVO E3	87	6	-9	2.4 / S	—	—	91	91	84	86	88	79
	BY Rundle XT	92	12	-8	2.1 / ST	Yes	1c,3a	102	93	92	91	85	89
	S0009-F2X	97	12	-8	2.0 / ST	—	1c	96	99	100	95	98	95
	DKB0003-24	92	12	-7	1.9 / ST	Yes	1c,1k	104	112	100	83	79	94
	PV 27s0005R2X	81	6	-7	2.1 / ST	Yes	1k	99	78	82	87	75	65
	S0007-S1X	91	6	-7	2.7 / S	—	1c,3a	95	97	89	93	94	76
	NSC Dauphin RR2X	83	12	-7	2.3 / S	—	1c	89	72	82	80	74	78
	Amirani R2	87	19	-6	1.8 / ST	—	1k	98	96	81	87	74	86
Wolf R2X	95	6	-6	2.0 / ST	Yes	3a	108	93	88	96	89	96	
Early Season Zone	NSC EXP001LX	94	11	-5	2.0 / ST	—	1c, 3a	100	98	96	84	90	81
	Polo R2X	100	6	-5	2.1 / ST	—	—	100	103	102	100	106	85
	Briggs R2X	102	6	-4	1.9 / ST	—	—	107	108	93	95	105	104
	S001-D8X	100	17	-4	2.0 / ST	—	1c	100	104	88	93	90	104
	BY Morro XT	99	5	-4	2.6 / S	Yes	3b	108	102	90	93	99	—
	Major R2X	96	6	-4	2.1 / ST	—	—	99	98	88	88	102	103
	P001A48X	102	19	-4	1.8 / ST	—	1c	116	106	95	99	106	116
	B0012RX	106	12	-4	1.7 / T	—	1k,6	103	114	111	96	109	111
	Pikas R2X	87	6	-3	1.8 / ST	Yes	1c	94	92	75	88	84	95
	S003-R5X	105	6	-3	2.1 / ST	—	1c	116	112	110	102	108	103
	PV 24s0008R2X	94	6	-3	1.7 / T	Yes	—	97	95	93	90	97	91
	TH89004 R2X	95	19	-3	1.9 / ST	—	1c	94	89	90	87	81	94
	DKB0005-03	95	6	-2	—	—	1c	110	96	91	86	101	78
	SI 00221XTN	101	6	-2	1.9 / ST	Yes	1c	105	106	111	90	96	93
	Young R2X	101	12	-2	1.7 / T	Yes	1c	105	94	102	92	108	106
	P003A97X	102	19	-2	1.8 / ST	Yes	1k	113	111	91	99	103	96
	S003-Z4X	103	19	-2	1.8 / ST	—	1c	99	106	96	98	108	99
	TH830009X	99	6	-2	2.1 / ST	—	1c	105	103	93	95	104	88
	SI 000919XT	96	17	-1	1.7 / T	—	—	104	103	94	85	93	77
	PV 28s001R2X	97	6	-1	1.8 / ST	Yes	1c	106	98	93	95	90	98
	P005A83X	106	19	-1	1.7 / T	Yes	1c	110	107	109	93	98	102
	DKB0008-87	101	12	-1	1.9 / ST	Yes	1c,1k	106	105	95	85	104	103
	SI 001XTN	99	24	-1	1.8 / ST	Yes	1k	105	98	95	91	104	108
	NSC Arden RR2X	100	6	0	2.0 / ST	—	1c	109	110	97	96	107	71
	Sunna R2X	100	22	0	1.7 / T	Yes	1c	98	106	98	88	102	103
	S005-C9X	105	14	0	2.3 / S	—	1c	104	108	103	95	102	—
	B0041RX	105	10	0	1.7 / T	—	1k	118	107	98	97	107	—
	Hart R2X	102	11	0	2.0 / ST	—	1c	108	116	97	96	98	—
	Akras R2	100	43	0	1.7 / T	—	1c	100	100	100	100	100	100
	BY Logan XT	94	6	0	2.1 / ST	Yes	1c	100	99	99	89	94	81
	P005A27X	103	24	0	1.8 / ST	—	1c	103	118	108	98	101	120
	P005A59E	104	6	0	1.8 / ST	—	1c	108	111	105	95	102	100
	NSC Holland RR2X	100	5	0	2.0 / ST	—	1c	112	100	97	92	95	—
	Experimental lines that are being tested / proposed for registration in Canada												
Mid Season Zone	CP000621WPX	89	6	-4	2.4 / S	—	1c	95	93	85	88	93	80
	Mikado R2X	97	10	1	2.0 / ST	Yes	1c	99	98	99	87	96	—
	SI 00321XT	98	6	1	2.3 / S	—	1c	108	102	99	85	91	94
	PV 22s002 R2X	102	12	1	2.0 / ST	—	—	106	102	100	91	103	102
	TH 87003 R2X	97	28	1	1.8 / ST	Yes	1c	108	101	101	91	102	—
	Merino R2X	106	5	2	1.7 / T	Yes	1k	105	118	105	92	106	—
	S006-K3X	104	5	2	1.7 / T	Yes	1c	106	99	112	86	108	—
	Bourke R2X	102	16	3	1.8 / ST	—	1k	100	99	105	86	104	—
	PV 16s004 R2X	101	20	3	1.8 / ST	Yes	1k	101	115	104	85	99	—
	DKB002-32	105	11	3	1.8 / ST	Yes	1k	107	114	98	95	118	101
	TH82006 R2X	110	5	4	2.0 / ST	—	3a,1c	113	117	113	86	114	—
	TH82005 R2X	107	10	4	1.9 / ST	—	1k	114	110	101	92	106	—
	SI 00421XT	99	6	4	2.4 / S	—	1a,6	109	103	95	86	99	100
	Mako R2X	108	5	4	1.8 / ST	—	1c	106	119	106	85	120	—
CHECK CHARACTERISTICS						Akras R2 (bu/ac)		76	72	86	50	72	55
Akras R2						CV%		6.2	7.8	7.1	5.3	5.7	7.7
						LSD%		10	13	11	8	9	12
						Sign Diff.		Yes	Yes	Yes	Yes	Yes	Yes
						Seeding Date		03-Jun	27-May	26-May	26-May	26-May	27-May
						Harvest Date		19-Oct	09-Oct	11-Oct	21-Sep	14-Oct	05-Oct

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) ¹ +/- of Check	Hilum Colour	IDC ² Rating/Group
Very Early Season Zone	AAC Halli@	88	14	-8	Y	1.8 / ST
	Siberia	92	14	-7	IY	2.0 / ST
	Experimental lines that are being tested / proposed for registration in Canada					
	OT22-07	76	4	-14	Y	1.8 / ST
Early Season Zone	SVX22T000S32	91	5	-10	IY	2.3 / S
	OT18-09	91	1	-7	Y	2.0 / ST
	OAC Prudence	88	14	-4	Y	1.8 / ST
	Rosser	94	11	-3	IY	2.0 / ST
Early Season Zone	Liska	100	14	0	IY	1.9 / ST
	Reynolds	91	14	0	IY	2.1 / ST
	Experimental lines that are being tested / proposed for registration in Canada					
	OT20-03	93	3	-4	Y	2.1 / ST
Early Season Zone	OT22-08	86	1	-2	Y	2.1 / ST
	20SS01	95	4	-2	Y	2.1 / ST
	SVX22T000S33	96	5	-1	IY	2.3 / S
	CLS14-018.007	96	4	-1	IY	2.4 / S
Early Season Zone	OT20-02	97	3	0	Y	2.0 / ST
	SVX23T00S46	87	4	0	IY	1.8 / ST
	20SS02	97	4	0	Y	2.3 / S
Mid Season Zone	Abaca	112	9	1	IY	2.1 / ST
	Kebek	96	14	2	Y	1.7 / T
	Baffin	95	11	2	IY	2.0 / ST
	Mozart	96	3	2	Y	1.6 / T
Mid Season Zone	Aurelina	103	9	3	IY	1.9 / ST
	Jago	101	11	4	Y	2.3 / S
	Experimental lines that are being tested / proposed for registration in Canada					
	OT20-06	99	3	1	Y	2.3 / S
Mid Season Zone	DL22-3012	96	4	1	BR	2.0 / ST
	PR110328Z024	86	4	1	Y	2.1 / ST
	CLS14-018.018	93	4	1	IY	2.1 / ST
	SVX22T000S34	105	5	1	IY	2.0 / ST
Mid Season Zone	OT18-01	100	6	2	Y	1.9 / ST
	CLS13-005.008	94	3	2	IY	1.7 / T
	CLS14-001.008	90	4	3	IY	2.1 / ST
	19SS01	92	1	3	IY	2.0 / ST
Mid Season Zone	PR130989Z-26	97	1	4	Y	1.9 / ST
	19SS02	104	4	4	Y	1.9 / ST
	CLS14-005.027	93	1	4	IY	2.0 / ST
	SVX22T00S35	98	5	4	IY	2.1 / ST
Mid Season Zone	CLS14-017.015	99	1	4	IY	2.3 / S
	CLS13-005.014	103	3	4	IY	1.8 / ST
Long Season Zone	Maya@	88	6	5	Y	2.1 / ST
	Hana	95	3	6	Y	1.7 / T
	Stanley	99	9	7	IY	2.0 / ST
	Experimental lines that are being tested / proposed for registration in Canada					
Long Season Zone	PR130835Z-50	88	1	7	Y	1.8 / ST
	DL21-3009	97	6	7	Y	2.0 / ST
	DL21-3007	102	6	7	Y	2.0 / ST
	DL18.3004	101	12	7	Y	2.1 / ST
CHECK CHARACTERISTICS						
Liska		49 bu/acre	14 site years	124 days		

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

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

Yield Comparisons

Maturity Zone	Variety	2022 Yield: % of Liska			
		Early Sites			Core Sites
		Arborg	Beausejour	Stonewall	Carman
Very	AAC HalliØ	87	96	108	80
	Siberia	81	110	96	93
Early Season	Experimental lines that are being tested / proposed for registration in Canada				
	OT22-07	62	98	68	75
	SVX22T000S32	—	—	—	82
	OT18-09	—	—	—	91
Early Season Zone	OAC Prudence	90	96	89	88
	Rosser	82	101	109	92
	Liska	100	100	100	100
	Reynolds	82	92	93	95
	Experimental lines that are being tested / proposed for registration in Canada				
	OT20-03	—	—	—	90
	OT22-08	—	—	—	86
	20SS01	88	106	98	89
	SVX22T000S33	—	—	—	89
	CLS14-018.007	95	94	105	94
	OT20-02	—	—	—	96
	SVX23T00S46	79	101	76	88
	20SS02	94	102	104	91
Mid Season Zone	Abaca	110	119	138	98
	Kebek	91	98	113	92
	Baffin	90	102	95	96
	Mozart	—	—	—	94
	Aurelina	105	117	93	89
	Jago	110	101	119	97
	Experimental lines that are being tested / proposed for registration in Canada				
	OT20-06	—	—	—	95
	DL22-3012	92	105	106	87
	PR110328Z024	70	89	88	95
	CLS14-018.018	88	104	93	89
	SVX22T000S34	—	—	—	99
	OT18-01	—	—	—	96
	CLS13-005.008	—	—	—	88
	CLS14-001.008	78	99	98	89
	19SS01	—	—	—	92
	PR130989Z-26	—	—	—	97
	19SS02	99	119	105	96
	CLS14-005.027	95	94	105	93
	SVX22T00S35	—	—	—	86
Long Season Zone	CLS14-017.015	—	—	—	99
	CLS13-005.014	—	—	—	92
	MayaØ	—	—	—	86
	Hana	—	—	—	83
	Stanley	—	—	—	97
	Experimental lines that are being tested / proposed for registration in Canada				
	PR130835Z-50	—	—	—	88
	DL21-3009	91	103	94	90
Check Characteristics Liska (bu/acre)	DL21-3007	101	106	101	92
	DL18.3004	94	106	101	91
CV%		6.6	6.8	10.8	7.7
LSD%		10	11	18	11
Sign Diff.		Yes	Yes	Yes	Yes
Seeding Date		26-May	27-May	04-Jun	22-May
Harvest Date		11-Oct	20-Oct	08-Oct	05-Oct

WESTERN MANITOBA CONVENTIONAL SOYBEANS

Comments:

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

Variety Descriptions

Maturity Zone	Variety	Yield % Check	Site Years Tested	Hilum Colour	Maturity (days) ¹ + / - of Check	2022 Yield % OAC Liska	
						Melita	Swan River
Very Early Season Zone	Ambella	93	6	BR	-10	108	91
Early Season Zone	Siberia	98	8	IY	-3	107	95
	AAC Halliö	98	10	Y	-3	106	101
Mid Season Zone	Reynolds	101	4	IY	0	105	103
	OAC Prudence	92	13	Y	0	95	94
	Liska	100	6	IY	0	100	100
	Pamela	93	2	IY	1	109	78
	Experimental lines that are being tested / proposed for registration in Canada						
	PR110328Z024	110	2	Y	1	107	112
CHECK CHARACTERISTICS	SVX21T00S2	107	2	IY	2	108	106
	Liska (bu/ac)	43	6		121	Liska (bu/ac)	49
		bu/acre	site years		days	CV%	6.1
						LSD%	—
						Sign Diff	No
						Seeding Date	26-May
						Harvest Date	21-Sep
							04-Oct

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

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ROUNDUP READY 2
Xtend
SOYBEANS

EASTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

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

Variety Descriptions

Maturity Zone	Variety	Type ¹	Yield % Check	Site Years Tested	Maturity (days) ² +/- of Check	Hilum Colour	IDC ³ Rating/Group	Resistance SCN ⁴	PRR ⁵
Very Early Season Zone	BY Rundle XT	R2X	78	10	-13	BL	2.1 / ST	Yes	1c,3a
	NSC Dauphin RR2X	R2X	78	10	-12	IY	2.3 / S	—	1c
	P001A48X	R2X	95	21	-7	TN	1.8 / ST	—	1c
	P003A97X	R2X	98	15	-7	GR	1.8 / ST	Yes	1k
	BY Morro XT	R2X	91	4	-7	GR	2.6 / S	Yes	3b
	S001-D8X	R2X	87	16	-6	IY	2.0 / ST	—	1c
Early Season Zone	B0012RX	R2X	95	10	-5	BR	1.7 / T	—	1k, 6
	S003-R5X	R2X	98	7	-5	IY	2.1 / ST	—	1c
	Pikas R2X	R2X	88	4	-5	BL	1.8 / ST	Yes	1c
	B0041RX	R2X	102	10	-4	GR	1.7 / T	—	1k
	Young R2X	R2X	98	10	-4	BL	1.7 / T	Yes	1c
	Akras R2	R2Y	101	31	-3	BL	1.7 / T	—	1c
	BY Logan XT	R2X	93	4	-3	BL	2.1 / ST	Yes	1c
	S003-Z4X	R2X	96	16	-3	BF	1.9 / ST	—	1c
	SI 001XTN	R2X	98	27	-3	BL	1.7 / T	Yes	1k
	NSC Arden RR2X	R2X	94	4	-3	BL	2.0 / ST	—	1c
	S005-C9X	R2X	96	16	-2	BL	2.4 / S	—	1c
	Mikado R2X	R2X	96	7	-2	BL	2.0 / ST	Yes	1c
	NSC Holland RR2X	R2X	103	10	-2	BR	2.0 / ST	—	1c
	PV 28s001R2X	R2X	93	4	-2	BL	1.8 / ST	Yes	1c
	Hart R2X	R2X	99	7	-2	BR	2.0 / ST	—	1c
	NSC EXP001LX	R2X	96	4	-2	IY	2.0 / ST	—	1c, 3a
	PV 22s002 R2X	R2X	99	10	-2	BL	2.0 / ST	Yes	1k
	Experimental lines that are being tested / proposed for registration in Canada								
	CP00121WPX	WPX	88	4	-3	BL	2.1 / ST	—	—
Mid Season Zone	DKB002-32	R2X	99	13	-1	BR	1.8 / ST	Yes	1k
	BY Rainier XT	R2X	100	1	-1	BL	1.7 / T	—	1c
	Bourke R2X	R2X	102	24	-1	BL	1.8 / ST	—	1k
	RX Acron	R2X	101	15	-1	BL	1.8 / ST	Yes	—
	NSC Sperling RR2Y	R2Y	105	22	-1	IY	1.8 / ST	-	1a, 3a
	Merino R2X	R2X	96	1	-1	BL	1.7 / T	Yes	1k
	P005A59E	E3	101	4	-1	BR	1.8 / ST	—	1c
	Sunna R2X	R2X	101	27	-1	GR	1.7 / T	Yes	1c
	SI 00221XTN	R2X	93	4	-1	BL	1.9 / ST	Yes	1c
	S006-K3X	R2X	100	4	0	BF	1.9 / ST	Yes	1c
	P006A37X	R2X	108	27	0	BR	1.8 / ST	—	1c
	DKB005-52	R2X	100	32	0	BL	1.8 / ST	Yes	1c
	Mako R2X	R2X	112	1	0	GR	1.8 / ST	—	1c
	TH 87003 R2X	R2X	96	31	0	BL	1.8 / ST	Yes	1c
	PV 16s004 R2X	R2X	100	27	0	BL	1.8 / ST	Yes	1k
	DKB006-80	R2X	111	1	1	BL	1.9 / ST	Yes	1c
	SI 00321XT	R2X	99	4	1	BR	2.3 / S	—	1c
	SI 00421XT	R2X	96	4	1	GR	2.4 / S	—	1a,6
	SI 00620XTN	R2X	103	7	1	BL	1.8 / ST	Yes	1c

Maturity Zone	Variety	Type ¹	Yield % Check	Site Years Tested	Maturity (days) ² +/- of Check	Hilum Colour	IDC ³ Rating/Group	Resistance SCN ⁴	PRR ⁵
Long Season Zone	Badger R2X	R2X	111	1	2	BL	1.7 / T	—	1k
	Elmo E3	E3	100	9	2	BR	1.9 / ST	Yes	—
	Mao R2X	R2X	107	5	2	BL	1.7 / T	Yes	1c
	DKB008-48	R2X	111	7	2	BL	1.8 / ST	Yes	1c,1k
	PV 26s007R2X	R2X	100	1	2	BL	1.9 / ST	Yes	1c
	Jaguar R2X	R2X	106	1	2	BL	2.1 / ST	—	1c
	P00A49X	R2X	104	17	2	BR	1.7 / T	Yes	1c
	B0071RX	R2X	108	1	2	BR	—	Yes	1k, 6
	Experimental lines that are being tested / proposed for registration in Canada								
	CP00722WPX	WPX	109	1	1	BL	2.0 / ST	—	1k,1c, 3a
	CP005WPRX	WPX	99	4	1	BL	1.9 / ST	—	1k,1c, 3a
	TH82005 R2X	R2X	104	10	3	BR	1.9 / ST	—	1k
	SI 007XTN	R2X	103	24	3	BL	1.8 / ST	Yes	1c
	S007-A2XS	R2X	106	13	3	GR	1.8 / ST	—	—
	NSC Winkler RR2X	R2X	104	17	3	BL	1.8 / ST	Yes	1c
	TH81007 R2XN	R2X	106	5	4	BR	1.7 / T	Yes	1c
	TH82008XF	R2X	103	1	7	BL	2.1 / ST	Yes	1c
	Experimental lines that are being tested / proposed for registration in Canada								
	SV193236-04	R2X	90	4	6	BR	2.4 / ST	Yes	1c, 6
CHECK CHARACTERISTICS		DKB005-52		46	32	121			
				bu/acre	site years	days			

- 1 R2X - Xtend technology, R2Y - Roundup-Ready 2 technology, RR1 - Roundup Ready 1 technology, E3 Enlist - 2-4D Tolerant, WPX-Blended Variety Extend Tolerant
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	2022 Yield: % of DKB005-52			
		Arborg	Early Sites Beausejour	Stonewall	Core Sites Carman
Very Early Season Zone	BY Rundle XT	80	81	77	91
	NSC Dauphin RR2X	64	77	71	91
	P001A48X	109	104	98	100
	P003A97X	105	107	97	100
	BY Morro XT	95	84	93	92
	S001-D8X	83	93	74	91
Early Season Zone	B0012RX	93	97	90	98
	S003-R5X	92	105	101	101
	Pikas R2X	88	92	79	92
	B0041RX	102	104	96	109
	Young R2X	98	105	95	98
	Akras R2	111	99	84	97
	BY Logan XT	90	92	88	101
	S003-Z4X	93	92	89	99
	SI 001XTN	92	89	91	101
	NSC Arden RR2X	91	93	91	99
	S005-C9X	106	92	102	100
	Mikado R2X	—	—	—	96
	NSC Holland RR2X	94	105	91	98
	PV 28s001R2X	88	98	88	97
	Hart R2X	—	—	—	104
	NSC EXP001LX	101	94	89	100
	PV 22s002 R2X	88	102	94	104
	Experimental lines that are being tested / proposed for registration in Canada				
	CP00121WPX	79	88	91	93
Mid Season Zone	DKB002-32	—	—	—	107
	BY Rainier XT	—	—	—	100
	Bourke R2X	—	—	—	104
	RX Acron	—	—	—	107
	NSC Sperling RR2Y	—	—	—	99
	Merino R2X	—	—	—	96
	P005A59E	97	99	104	105
	Sunna R2X	95	98	89	95
	SI 00221XTN	88	96	85	102
	S006-K3X	105	105	90	98
	P006A37X	114	112	102	111
	DKB005-52	100	100	100	100
	Mako R2X	—	—	—	112
	TH 87003 R2X	96	100	86	102
	PV 16s004 R2X	95	98	92	105
	DKB006-80	—	—	—	111
	SI 00321XT	97	101	87	109
	SI 00421XT	92	101	89	101
	SI 00620XTN	—	—	—	103
	Badger R2X	—	—	—	111
	Elmo E3	—	—	—	100

Maturity Zone	Variety	2022 Yield: % of DKB005-52			Core Sites Carman
		Arborg	Early Sites Beausejour	Stonewall	
Long Season Zone	Mao R2X	—	—	—	109
	DKB008-48	—	—	—	106
	PV 26s007R2X	—	—	—	100
	Jaguar R2X	—	—	—	106
	P00A49X	—	—	—	107
	B0071RX	—	—	—	108
	Experimental lines that are being tested / proposed for registration in Canada				
	CP00722WPX	—	—	—	109
	CP005WPRX	103	91	98	104
	TH82005 R2X	105	109	94	109
	SI 007XTN	96	105	90	105
	S007-A2XS	—	—	—	112
	NSC Winkler RR2X	—	—	—	105
	TH81007 R2XN	—	—	—	106
	TH82008XF	—	—	—	103
	Experimental lines that are being tested / proposed for registration in Canada				
	SV193236-04	88	94	84	94
Check Characteristics					
	DKB005-52 (bu/ac)	59	66	60	73
	CV %	8.7	6.1	6.6	5.6
	LSD%	13	10	10	9
	Sign Diff	Yes	Yes	Yes	Yes
	Seeding Date	26-May	27-May	04-Jun	22-May
	Harvest Date	11-Oct	07-Oct	08-Oct	05-Oct

SUNFLOWERS

Sunflower trial data was unavailable at the time of publication.

Please visit the Manitoba Crop Alliance webpage for sunflower variety performance data at www.mbcropalliance.ca/resources/sunflowers.



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MarketsFarm survey responses 05/2022



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Distributor Contacts for Listed Varieties in Seed Manitoba 2023

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

CANOLA

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

FLAX

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

CONVENTIONAL SOYBEANS

Astor	Ceres Global Seeds
DH863	Ceres Global Seeds
Fjord	Ceres Global Seeds
Meteor	Ceres Global Seeds
Norfolk	Ceres Global Seeds
Reynolds	Ceres Global Seeds
Stanley	Ceres Global Seeds
AAC Halli	Interlake.org Inc.
Maxus	Prograin Inc
Siberia	Prograin Inc
Liska	Prograin Inc
Maya	Prograin Inc
Hana	Prograin Inc
OAC Prudence	SeCan
Fjord	SG CERESCO
Kebek	SG CERESCO
Jago	SG CERESCO
Baffin	SG CERESCO
Ambella	SAATBAU LINZ eGen
Abaca	SAATBAU LINZ eGen
Aurelina	SAATBAU LINZ eGen
Pamela	SAATBAU LINZ eGen
Mozart	Northstar Genetics Manitoba

ROUNDUP READY SOYBEANS

Akras R2	BrettYoung
Amirani R2	BrettYoung
BY Logan XT	BrettYoung
BY Morro XT	BrettYoung
BY Rainier XT	BrettYoung
BY Rundle	BrettYoung
RX Acron	BrettYoung
Sunna R2X	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

ROUNDUP READY SOYBEANS

SI 000919XT	Ceres Global Seeds
SI 000919XT	Ceres Global Seeds
SI 001XTN	Ceres Global Seeds
SI 00221XTN	Ceres Global Seeds
SI 00319XT	Ceres Global Seeds
SI 00321XT	Ceres Global Seeds
SI 00421XT	Ceres Global Seeds
SI 00620XTN	Ceres Global Seeds
SI 00620XTN	Ceres Global Seeds
SI 007XTN	Ceres Global Seeds
CP000521X	CROPLAN
CP000620RX	CROPLAN
CP00120RX	CROPLAN
CP00419RX	CROPLAN
CP00519RX	CROPLAN
CP00621X	CROPLAN
DKB0003-24	DEKALB
DKB0005-03	DEKALB
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
Badger R2X	Maizex seeds
Jaguar R2X	Maizex seeds
Pikas R2X	Maizex seeds



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WHEAT | BARLEY | OATS | CORN | SOYBEANS

ROUNDUP READY SOYBEANS

Wolf R2X	Maizex seeds
NSC Arden RR2X	Northstar Genetics Manitoba
NSC Cartier RR2X	Northstar Genetics Manitoba
NSC Culross RR2X	Northstar Genetics Manitoba
NSC Dauphin RR2X	Northstar Genetics Manitoba
NSC EXP0007X	Northstar Genetics Manitoba
NSC EXP001LX	Northstar Genetics Manitoba
NSC EXP006PX	Northstar Genetics Manitoba
NSC EXP007PX	Northstar Genetics Manitoba
NSC EXP001PX	Northstar Genetics Manitoba
NSC Holland RR2X	Northstar Genetics Manitoba
NSC Sperling RR2Y	Northstar Genetics Manitoba
NSC Winkler RR2X	Northstar Genetics Manitoba
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
P0007A73X	Pioneer Brand Seeds
P001A48X	Pioneer Brand Seeds
P003A97X	Pioneer Brand Seeds
P005A27X	Pioneer Brand Seeds
P005A59E	Pioneer Brand Seeds
P005A83X	Pioneer Brand Seeds
P006A37X	Pioneer Brand Seeds
P007A08X	Pioneer Brand Seeds
P00A49X	Pioneer Brand Seeds
P00A75X	Pioneer Brand Seeds
Devo R2X	Prograin Inc
Dextro R2X	Prograin Inc
Elmo E3	Prograin Inc

ROUNDUP READY SOYBEANS

Evo E3	Prograin Inc
Fresco R2X	Prograin Inc
Fresco R2X	Prograin Inc
Gecko R2X	Prograin Inc
Kudo R2X	Prograin Inc
Mako R2X	Prograin Inc
Mao R2X	Prograin Inc
Merino R2X	Prograin Inc
Mikado R2X	Prograin Inc
Polo R2X	Prograin Inc
Torro R2	Prograin Inc
Barker R2X	SeCan
Bourke R2X	SeCan
Fisher R2X	SeCan
Footo R2	SeCan
Hart R2X	SeCan
Mahony R2	SeCan
Merritt R2X	SeCan
Young R2X	SeCan
Briggs R2X	SeCan
S003-R5X	Syngenta Canada
S0007-S1X	Syngenta Canada
S0009-F2X	Syngenta Canada
S0009-M2	Syngenta Canada
S001-D8X	Syngenta Canada
S003-Z4X	Syngenta Canada
S005-C9X	Syngenta Canada
S006-K3X	Syngenta Canada
S006-M4X	Syngenta Canada
S007-A2XS	Syngenta Canada
S007-Y4	Syngenta Canada
Astro R2	Thunder Seeds Canada
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
TH82008XF	Thunder Seeds Canada
TH830009X	Thunder Seeds Canada
TH89004 R2X	Thunder Seeds Canada
TH89009 R2XN	Thunder Seeds Canada

SUNFLOWERS

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

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NorthStar Genetics Manitoba.....	1-204-262-2425
Nuseed Americas Inc.	1-877-841-7447
Nutrien Ag Solutions	1-204-435-2063
Pioneer Brand Seeds	1-306- 385-3001
SAATBAU LINZ eGen	1-514-609-0881
SeCan	1-800-665-7333
SeedNet	1-403-715-9771
SG CERESCO	1-450-454-2727
Syngenta Canada Inc.....	1-877-964-3682
Thunder Seeds Canada	1-306 213 8888

Wheat

AAC Brandon
AAC Starbuck
AAC LeRoy 

Oats

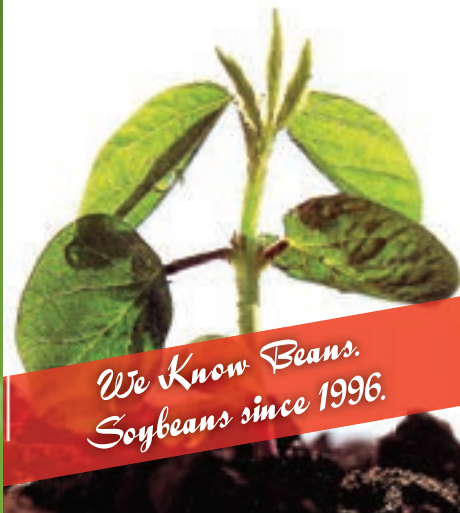
CDC Endure
AAC Douglas 
CS Camden
Secan ORE42M

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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.

AAC BRAVO ☼			
Domain; Manness Seed	204-736-2622	C	
AAC BRIGHT ☼			
Binscarth; Inland Seed Corp.....	204-683-2316	C	
AAC MARVELOUS ☼			
Domain; Manness Seed	204-736-2622	R C	
CDC DORADO ☼			
Holland; Kubinec, Anastasia.....	204-526-2776	C	
CDC GLAS ☼			
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	C	
Notre Dame; Durand Seeds Inc.	204-248-2268	R	
Pilot Mound; Smith Family Seeds.....	204-825-7810	C	
Rosenort; Friesen Seeds Ltd.....	204-746-8325	C	
CDC ROWLAND ☼			
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C	
Carman; Menold, Thomas	204-745-3377	R C	
Crystal City; Buchanan, Kenneth S. & Dean K.....	204-825-7151	C	
Morden; Wilson Seeds Ltd.....	204-362-2449	C	
Notre Dame; Durand Seeds Inc.	204-248-2268	S F	
Oak Lake; Geryln Acres Ltd.	204 855 3128	C	
Oakville; Miller Agritec Farm Inc.....	204-267-2363	C	
Pilot Mound; Wallace, Joe	204-825-4543	C	
Reinland; Ens Farms Ltd.....	204-362-0612	C	
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C	
Somerset; Sierens Seed Service	204-744-2883	R C	
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	F C	
Wawanesa; Ellis Seeds	204-824-2290	C	

OPEN POLLINATED CANOLA

UA COUNTYGOLD			
Kenton; Stevenson, Robert H. & Sidney H.....	204-838-2012	F C	

SOYBEANS

AAC MANDOR			
Carman; Ulrich & Monika Menold Ltd.....	204-750-1095	S	
BADGER R2X			
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	S F R	
BARKER R2X			
Carman; RJP Seed Ltd.....	204-745-0088	R	
Portage; Askin, Raymond T. & Jeffrey S.....	204-856-3483	R	
BOURKE R2X			
Boissevain; Armstrong Seeds Ltd.....	204-534-2566	C	
Brandon; Wheat City Seeds Ltd.	204-727-3337	S C	
Carman; RJP Seed Ltd.....	204-745-0088	S F C	
Navin; David G. James And James Farms Ltd.....		C	
Oak Bank; Willowdale Seeds	204-444-3205	C	
Oakville; Miller Agritec Farm Inc.....	204-267-2363	C	
Portage; Askin, Raymond T. & Jeffrey S.....		R	
Stonewall; Unger Seed Farm Ltd.....	204-467-8630	C	
Warren; Riddell Seed Co.....	204-227-5679	S F R	
BRIGGS R2X			
Ste. Rose Du Lac; PNR Farms.....	204-447-2118	R	
CP000620RX			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S F R	

SOYBEANS

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CP00120RX			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S F	
CP00419RX			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S F C	
CP00519RX			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S F C	
CP00621X			
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S R	
HART R2X			
Arborg; Timchishen Seeds Farms	204-641-1288	F C	
Oak Bluff; Gousseau, Marcel E.....	204-895-1357	C	
Warren; Riddell Seed Co.....	204-227-5679	F	
Wawanesa; Ellis Seeds	204-824-2290	C	
MAHONY R2			
Kenton; Stevenson, Richard D.O. & Douglas	204-573-3054	C	
MAJOR R2X			
Ste. Rose Du Lac; PNR Farms.....	204-447-2118	C	
NSC ARDEN RR2X			
Darlingford; Morrow, Graham	204-362-8986	C	
Domain; Pitura Seed Farms Ltd.	204-736-2849	R	
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	S R	
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S F R	
Reston; Avondale Seed Farm Ltd.....	204-877-3813	R	
Russell; Keating Seed Farms Inc.	204-773-3854	C	
St. Claude; R-Way Ag. Ltd.....	204-745-8425	R	
NSC CARTIER RR2X			
Domain; Manness Seed	204-736-2622	S F R	
Rosenort; Friesen Seeds Ltd.....	204-746-8325	R	
NSC DAUPHIN RR2X			
Domain; Pitura Seed Farms Ltd.	204-736-2849	S F R	
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	S F	
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C	
Russell; Keating Seed Farms Inc.	204-773-3854	C	
St. Claude; R-Way Ag. Ltd.....	204-745-8425	C	
NSC EXP001LX			
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	C	
NSC EXP006PX			
Domain; Manness Seed	204-736-2622	S F	
Domain; Pitura Seed Farms Ltd.	204-736-2849	S F	
NSC EXP007PX			
Domain; Pitura Seed Farms Ltd.	204-736-2849	S F	
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S F	
NSC GLADSTONE RR2Y			
St. Claude; R-Way Ag. Ltd.....	204-745-8425	C	
NSC HOLLAND RR2X			
Darlingford; Morrow, Graham	204-362-8986	C	
Domain; Manness Seed	204-736-2622	C	
Domain; Pitura Seed Farms Ltd.	204-736-2849	R C	
Fannystelle; Nadeau Seeds Inc.....	204-436-2469	C	
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	C	
Homewood; Agassiz Seed Farm	204-745-6655	R	
Oak River; J.S.Henry & Son Ltd.....	204-566-2422	C	
Reston; Avondale Seed Farm Ltd.....	204-877-3813	C	
Rosenort; Friesen Seeds Ltd.....	204-746-8325	S F C	
Somerset; Sierens Seed Service	204-744-2883	C	
St. Claude; R-Way Ag. Ltd.....	204-745-8425	C	



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NSC SPERLING RR2Y			
Domain; Manness Seed	204-736-2622	C	
Domain; Pitura Seed Farms Ltd.	204-736-2849	C	
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	C	
Hazelridge; Saramaga, Robert P. & Andrew		C	
Homewood; Agassiz Seed Farm	204-745-6655	R	
Rosenort; Friesen Seeds Ltd.	204-746-8325	S F	C

NSC WATSON RR2Y			
Domain; Pitura Seed Farms Ltd.	204-736-2849	C	

NSC WINKLER RR2X			
Domain; Manness Seed	204-736-2622	C	
Domain; Pitura Seed Farms Ltd.	204-736-2849	S F R	
Hazelridge; Saramaga, Robert P. & Andrew		C	
Homewood; Agassiz Seed Farm	204-745-6655	R	
Rosenort; Friesen Seeds Ltd.	204-746-8325	C	

OAC CARMAN			
Carman; Ulrich & Monika Menold Ltd.	204-750-1095	S	

OAC PRUDENCE			
Carman; Ulrich & Monika Menold Ltd.	204-750-1095	S	

SOYBEANS

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RX000918			
Rosenort; Friesen Seeds Ltd.	204-746-8325	S F	C

SUNNA R2X			
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700		R

TRIQUET R2X			
Carman; Ulrich & Monika Menold Ltd.	204-750-1095	F	

WOLF R2X☼			
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	S F	

YOUNG R2X			
Arborg; Timchishen Seeds Farms	204-641-1288		R
Brandon; Wheat City Seeds Ltd.	204-727-3337		R
Dauphin; Fisher Farms Ltd.	204-622-8800	F R	
Kenton; Stevenson, Richard D.O. & Douglas	204-573-3054	F R	
Miniota; Walker, Alan Glen	204-748-7264		C
Oak Bank; Willowdale Seeds	204-444-3205		C
Rivers; Redsper Ent. Ltd.	204-328-5346		R
Stonewall; Unger Seed Farm Ltd.	204-467-8630		R
Warren; Riddell Seed Co.	204-227-5679	F	
Wawanesa; Ellis Seeds	204-824-2290	S F	C



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Pulse Crops

Variety Description Key

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

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

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

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

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

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

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

Key to 2022 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

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 ¹	TKW (g)	2022 Yield % Check Variety		
					Dauphin	Morden	Swan River
Colored Flower (Tannin)							
Allison☺	106	3	105	499	90	87	85
Fabelle☺	100	5	111	533	100	100	100
Victus☺	87	5	129	401	89	86	78
CHECK CHARACTERISTICS							
Fabelle☺ (tannin)	4623 lbs/ac	5 Site Years	111	Fabelle (lbs/acre)	7734	4651	4283
				CV%	4.4	7.7	8.9
				LSD (%)	7	11	13
				Sign Diff	Yes	Yes	Yes
White Flower (Low Tannin)							
219-16☺	94	5	115	350	93	84	96
DL Nevado☺	99	4	101	421	104	98	107
DL Rico☺	86	2	109	566	—	—	—
DL Tesoro☺	112	5	110	511	114	108	101
Navi☺	106	5	129	401	103	107	114
Snowbird☺	100	5	104	448	100	100	100
Tabasco☺	98	2	106	530	—	—	—
CHECK CHARACTERISTICS							
Snowbird (Low Tannin)	3750 lbs/ac	5 Site Years	104 days	Snowbird (lbs/acre)	6419	3686	3207
				CV%	4.4	7.7	8.9
				LSD (%)	8	14	17
				Sign Diff	Yes	Yes	Yes
Seeding Date					23-May	28-May	25-May
Harvest Date					01-Oct	28-Sep	26-Sep

¹ Maturity ratings are based on days until swathing, but will vary depending on seeding date.



MANITOBA Pulse & Soybean GROWERS

MPSG is proud to support the MCVET pulse and soybean post-registration variety trials.

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FIELD BEANS — MANITOBA NARROW ROW ADAPTATION TRIALS

Comments:

Long term yield data and days to maturity are Manitoba Pulse & Soybeans Growers (MPSG) Trials grown in 10 to 12 inch row spacing. More detailed measurements from the trials are available to MPSG members and will be distributed in the December Special Edition of the Pulse Beat magazine.

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

Variety Descriptions

Bean Class	Variety	Years Tested			Yield % Check	Site Years Tested	Maturity ¹ (days)
		2022	2021	2020			+/- Check
Small Seeded Types					% CDC Blackstrap		+/- CDC Blackstrap
Black	CDC Blackstrap ^Ø	x	x	x	100	29	0
Black	CDC Jet	x	x	x	88	29	6
Black	CDC SuperJet	x	x	x	96	29	5
Black	Black Tails		x		110	5	5
Black	Eclipse	x	x	x	100	17	5
Navy	AAC Argosy	x	x	x	90	11	9
Navy	AAC Shock	x	x	x	86	16	8
Navy	Armada		x		84	3	9
Navy	Indi	x	x	x	88	13	7
Navy	Nautica			x	85	7	10
Navy	OAC Fusion	x	x		94	6	4
Navy	Rogue		x		98	3	8
Navy	SV1893GH ^Ø	x		x	92	8	8
Navy	T9905	x	x	x	87	18	9
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Black	B3033350	x			104	3	7
Black	B3036381	x			96	3	10
Large Seeded Types					% Windbreaker		+/- Windbreaker
Pinto	CDC WM-3 ^Ø		x		88	3	-2
Pinto	SV6139GR ^Ø	x	x	x	106	14	-1
Pinto	ND Palomino ^Ø	x	x	x	94	9	4
Pinto	Vibrant	x			109	3	1
Pinto	Windbreaker	x	x	x	100	21	0
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Pinto	Bronco	x			86	3	2
Pinto	USDA Rattler	x			107	3	4
Pinto	Charro	x			109	3	4
Pinto	USDA Diamondback	x			99	3	4
CHECK CHARACTERISTICS					Yield	Site	Days to
	Bean Grouping			Check Varieties	(lbs/ac)	Years	Maturity
	Small seeded			CDC Blackstrap	2680	29	95
	Large seeded			Windbreaker	2473	21	100

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





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FIELD BEANS WIDE ROW TRIALS

Comments:

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

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 ¹ (days) +/- Check
	2022	2021	2020			
NAVY				% of T9905		+/- T9905
AAC Argosy	x	x	x	102	17	1
AAC Shock	x	x	x	95	13	-2
Armada	x	x	x	101	9	-2
Bolt			x	93	19	-2
Blizzard	x			99	4	-2
HMS Medalist			x	99	6	1
Indi	x	x	x	99	33	-3
Nautica			x	89	18	0
Rogue		x		93	1	-2
SV1893GH☺	x		x	96	17	1
T9905	x	x	x	100	41	0
Valiant	x	x		102	5	-6
Varieties that are registered in the US or being tested or proposed for registration in Canada						
15095			x	101	6	3
HMS Victory	x	x	x	104	7	-1
PINTO				% of Vibrant		+/- Vibrant
Cowboy☺	x	x	x	96	11	-1
Gleam	x	x		94	5	2
Mystic	x	x		103	5	5
ND Palomino☺	x	x	x	94	11	7
SV6139GR☺	x		x	97	21	0
Vibrant	x	x	x	100	22	0
Windbreaker	x	x	x	93	22	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
Bronco	x			82	4	-1
Charro	x			104	4	5
Rustler	x			85	4	-3
USDA Rattler	x			102	4	5
USDA Diamondback	x			85	4	5
BLACK				% of Eclipse		+/- Eclipse
Ace		x	x	99	7	-1
Black Tails	x	x	x	103	11	1
CDC Blackstrap☺	x	x	x	95	22	-6
CDC Jet	x	x	x	89	48	-1
CDC Superjet	x	x	x	89	36	-2
Eclipse☺	x	x	x	100	50	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
B3033350	x			109	4	-1
B3036381	x			103	4	1

MARKET CLASS/Variety	Years tested			Yield % of Check	Site Years Tested	Maturity ¹ (days) +/- Check	
	2022	2021	2020				
CRANBERRY				% of Etna		+/- Etna	
Etna	x	x	x	100	62	0	
Krimson	x	x	x	105	25	-1	
OAC Firestripe	x			165	3	4	
OAC Candycane		x	x	129	4	5	
OAC Navabi	x			134	3	-3	
OAC Racer		x	x	111	4	-1	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Amaranto	x		x	107	6	-3	
GREAT NORTHERN				% of Pink Panther		+/- of Pink Panther	
Andromeda	x	x		130	7	-4	
Aries	x	x	x	136	17	0	
Virgo	x	x		145	7	4	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
14164		x		129	4	-2	
Powderhorn				133	8	-3	
Lyra	x			129	3	-3	
Eiger	x			169	3	2	
DARK RED KIDNEY				% of Pink Panther		+/- of Pink Panther	
Cabernet	x			73	17	1	
Dynasty	x	x	x	108	10	7	
Gallantry	x	x		131	4	10	
Rampart	x			114	3	5	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
161164			x	74	3	5	
161156	x			71	3	-3	
181021	x			82	3	8	
Red Rover	x		x	56	6	4	
LIGHT RED KIDNEY				% of Pink Panther		+/-Pink Panther	
Big Red	x		x	98	27	-1	
Clouseau	x			97	17	-2	
Pink Panther	x	x	x	100	60	0	
Red Dawn	x		x	97	11	-7	
MAYOCOBA- Yellow				% of Vibrant		+/- Vibrant	
CDC Sunburst	x	x		64	5	-1	
Varieties that are registered in the US or being tested or proposed for registration in Canada							
Claim Jumper	x	x		87	5	8	
WHITE KIDNEY				% of Pink Panther		+/-Pink Panther	
Yeti	x	x		101	4	9	
Check Varieties				First Year Tested	Yield lbs/ac	Site Years Tested	Maturity (days)
Eclipse				2005	2476	50	98
Etna				2007	1748	62	100
Pink Panther				2001	1969	60	99
T9905				2009	2425	41	102
Vibrant				2015	2881	22	96

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

FIELD PEAS

Variety Descriptions

Resistance Level to:													
Variety	Yield % Check	Site Years Tested	Relative ¹ Maturity	Relative Vine Length	Seed Size (TKW)	Mycos-phaerella blight							
						Lodging	Powdery Mildew	Fusarium ² Wilt	Seed Coat				
Green ³	Breakage	Dimpling ⁴	Bleaching										
Yellow													
AAC Aberdeen☹	105	29	Long	M	250	VG	VG	F	F	G	F	F	n/a
AAC Ardill	100	36	Mid	M	240	G	VG	F	G	G	G	G	n/a
AAC Asher☹	103	13	Mid	S	260	G	VG	F	F	G	F	F	n/a
AAC Beyond☹	98	21	Mid	M	210	G	VG	F	G	n/a	F	n/a	n/a
AAC Carver☹	103	51	Early	L	240	G	VG	F	F	G	G	G	n/a
AAC Chrome☹	108	47	Long	M	240	G	VG	F	F	G	G	G	n/a
AAC Delhi☹	103	35	Mid	M	290	G	VG	F	F	G	F	F	n/a
AAC Julius☹	103	22	Mid	M	210	G	VG	F	G	n/a	G	n/a	n/a
AAC Lacombe☺	101	43	Long	L	270	G	VG	F	F	F	F	G	n/a
AAC Planet☹	104	6	Long	L	231	G	VG	F	G	G	F	G	n/a
AAC Profit☺	102	34	Mid	M	230	G	VG	F	F	G	F	G	n/a
Boost☹	104	6	Early	M	230	G	VG	F	G	G	VG	G	n/a
CDC Amarillo	100	57	Long	M	230	VG	VG	F	G	G	F	F	n/a
CDC Athabasca☹	97	41	Long	L	300	VG	VG	F	G	G	F	F	n/a
CDC Canary☹	98	41	Early	L	230	VG	VG	F	F	F	G	F	n/a
CDC Citrine☹	108	6	Mid	L	230	G	VG	F	G	G	G	G	n/a
CDC Hickie☹	103	6	Mid	M	230	VG	VG	F	G	G	G	G	n/a
CDC Inca☹	104	55	Mid	L	230	G	VG	F	F	F	G	G	n/a
CDC Lewochko☹	103	41	Long	L	230	VG	VG	F	F	G	G	G	n/a
CDC Saffron	97	36	Mid	M	250	G	VG	F	F	G	G	F	n/a
CDC Spectrum☹	97	41	Long	L	240	VG	VG	F	F	G	G	G	n/a
CDC Tollefson☹	105	6	Long	L	240	VG	VG	F	G	G	G	G	n/a
ProStar☹	103	6	Early	M	240	G	VG	F	G	G	VG	G	n/a
Varieties supported for registration by the PRCPSC													
DL1814	99	6	Long	M	260	G	VG	F	G	G	G	G	n/a
Green													
AAC Comfort☹	98	25	Long	M	260	G	VG	F	F	n/a	G	G	G
Bluman☺	99	16	Long	M	230	G	VG	F	F	n/a	VG	G	F
CDC Forest☹	102	41	Long	L	230	G	VG	F	F	n/a	G	G	G
CDC Greenwater	98	35	Mid	M	220	G	VG	F	G	n/a	VG	G	G
CDC Limerick	97	44	Long	M	210	VG	VG	F	F	n/a	VG	G	G
CDC Rider☹	96	22	Long	M	220	VG	VG	F	G	n/a	G	G	G
CDC Spruce☹	99	20	Long	L	240	G	VG	F	F	n/a	F	F	G
CDC Striker	89	35	Early	M	230	VG	P	F	G	n/a	VG	G	G
Maple													
AAC Liscard	94	25	Early	M	180	G	VG	F	n/a	n/a	n/a	n/a	n/a
AAC Lorlie	90	6	Long	M	226	G	VG	F	n/a	n/a	G	n/a	n/a
Forage													
CDC Jasper☹	86	29	Mid	L	180	F	VG	F	n/a	G	G	G	n/a
DL Delicious☹	79	28	Long	VL	220	P	n/a	F	n/a	n/a	VG	F	n/a
DL Lacross	91	35	Mid	VL	190	F	n/a	F	n/a	F	VG	G	n/a
LSD (.05)	5												
CHECK CHARACTERISTICS													
CDC Armarillo	78		92										
	bu/ac		Days										

1 Relative maturity ratings compared to check CDC Armarillo determined at Manitoba trial sites, -3 days considered early, 0 to +3 days 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	2022 Yield % CDC Amarillo					
	Hamiota	Melita	Morden	Portage	Souris	Swan River
Yellow						
AAC Aberdeen	94	108	96	97	90	105
AAC Beyond	80	93	93	94	107	102
AAC Carver	98	100	70	99	110	95
AAC Chrome	82	116	91	94	132	101
AAC Delhi	82	108	82	89	121	100
AAC Julius	93	109	91	99	109	104
AAC Planet	111	106	90	100	98	104
AAC Profit	109	98	90	91	122	105
Boost	85	108	91	93	109	108
CDC Amarillo	100	100	100	100	100	100
CDC Athabasca	104	101	88	91	104	93
CDC Canary	85	89	83	87	95	89
CDC Citrine	116	110	90	103	119	98
CDC Hickie	114	103	86	95	92	102
CDC Inca	109	107	99	100	101	105
CDC Lewochko	108	106	91	89	99	94
CDC Spectrum	92	110	87	85	89	104
CDC Tollefson	108	108	89	96	108	98
ProStar	77	111	92	101	117	93
Varieties supported for registration by the PRCPSC						
DL1814	89	103	73	89	111	93
Green						
CDC Forest	105	107	82	87	105	94
CDC Rider	102	100	82	94	100	87
Maple						
AAC Lorlie	80	97	91	63	85	81
Forage						
CDC Jasper	68	82	73	70	45	83
DL Delicious	82	80	69	61	48	69
DL Lacross	93	93	71	76	77	79
CDC Amarillo (bu/ac)	69	67	73	100	93	92
CV %	10.4	5.7	11.5	9.5	6.6	7.6
LSD (%)	16	10	16	14	11	12
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	16-May	16-May	28-May	07-Jun	24-May	25-May
Harvest Date	07-Sep	10-Aug	07-Sep	07-Sep	07-Sep	31-Aug

2023-2024 Yellow Pea Contracts

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Distributor Contacts for Listed Varieties in Seed Manitoba 2023

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

FABABEANS

219-160	SeCan
Allison0	Prairie Fava
DL Nevado0	DL Seeds
DL Rico0	Prairie Fava
DL Tesoro0	Ridell Seed Farms
Fabelle0	SeedNet
Navi0	KGB Meier
Snowbird0	Cyre Seed Farms
Tabasco0	Riddell Seed Co.
Victus0	DL Seeds

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
SV1893GH0	CANTERRA SEEDS
T9905	Treasure Valley Seed Company
Valiant	ADM- Seed West

PINTO

CDC Pintum	Various Bean Dealers
CDC WM-20	Saskatchewan Pulse Growers
CDC WM-3	Saskatchewan Pulse Growers
Cowboy0	University of Saskatchewan
Gleam	ADM- Seed West
La Paz	ADM- Seed West
Mystic	Various Bean Dealers
Monterrey	ADM- Seed West
ND Palomino0	CANTERRA SEEDS
SV6139GR0	CANTERRA SEEDS
SV6533GR0	CANTERRA SEEDS
Vibrant	ADM- Seed West
Windbreaker	CANTERRA SEEDS

BLACK

Ace	Various Bean Dealers
Black Tails	Various Bean Dealers
CDC Blackstrap0	Saskatchewan Pulse Growers
CDC Jet	Saskatchewan Pulse Growers
CDC SuperJet	Saskatchewan Pulse Growers
Eclipse0	Western Harvest Bean
Zenith	Treasure Valley Seed Company

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	
Cabernet	Various Bean Dealers
Dynasty	University of Guelph
Gallantry	Hensall District Coop
Montcalm	Various Bean Dealers
Red Hawk	Various Bean Dealers
Rampart	Various Bean Dealers

LIGHT RED KIDNEY

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

WHITE KIDNEY

Yeti	Various Bean Dealers
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GREAT NORTHERN

Andromeda	Various Bean Dealers
Aries	Various Bean Dealers
Virgo	Various Bean Dealers

FIELD BEANS

FLOR DE JUNIO

CDC Ray	University of Saskatchewan
YELLOW	
CDC Sunburst	Rudy Agro Ltd.

FIELD PEAS

AAC Aberdeen0	Alliance Seed
AAC Ardill	Wagon Wheel Seed Corp.
AAC Asher0	Agriculture and Agri-Food Canada
AAC Beyond0	CANTERRA SEEDS
AAC Carver0	CANTERRA SEEDS
AAC Chrome0	FP Genetics
AAC Comfort0	CANTERRA SEEDS
AAC Julius0	FP Genetics
AAC Lacombe0	SeedNet Inc
AAC Liscard	Wagon Wheel Seed Corp.
AAC Lorlie	Wagon Wheel Seed Corp.
AAC Planet0	SeedNet Inc
AAC Profit0	FP Genetics
Abarth0	FP Genetics
Blue man	SeedNet Inc
Boost0	Pitura Seeds
CDC Amarillo	Saskatchewan Pulse Growers
CDC Athabasca0	SeCan
CDC Canary0	SeCan
CDC Citrine0	SeedNet Inc
CDC Forest0	SeCan
CDC Greenwater	Saskatchewan Pulse Growers
CDC Hickie0	Saskatchewan Pulse Growers
CDC Inca0	SeedNet Inc
CDC Jasper0	SeCan
CDC Lewochko0	SeCan
CDC Limerick	Saskatchewan Pulse Growers
CDC Meadow	Saskatchewan Pulse Growers
CDC Rider	Saskatchewan Pulse Growers
CDC Saffron	Saskatchewan Pulse Growers
CDC Spectrum0	SeCan
CDC Spruce0	SeCan
CDC Spruce0	SeCan
CDC Striker	Saskatchewan Pulse Growers
CDC Tollefson0	Saskatchewan Pulse Growers
DL Delicious0	FP Genetics
DL Lacross	FP Genetics
ProStar0	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
Hensall District Coop.....	1-204-295-3938
KGB Meier.....	1-306-277-2110
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☼

Boissevain; Martens, Ben F. & John J. & Ryan 204-534-8370 C
Swan River; Badowski Farms Ltd. 204-734-6222 R

CDC WHITETRACK☼

Homewood; Agassiz Seed Farm 204-745-6655 S

ETNA

Reinland; Ens Farms Ltd 204-362-0612 C

ND PALOMINO☼

Homewood; Agassiz Seed Farm 204-745-6655 C
Portage La Prairie; Sissons Farms Ltd. 204-857-7341 C

PINK PANTHER

Reinland; Ens Farms Ltd 204-362-0612 C

SV6139GR☼

Altona; Ld Seeds 204-304-0048 C
Portage La Prairie; Sissons Farms Ltd. 204-857-7341 C
Reinland; Ens Farms Ltd 204-362-0612 C

WINDBREAKER

Altona; Wiebe, Henry D. & Lloyd 204-324-7999 C
Portage La Prairie; Sissons Farms Ltd. 204-857-7341 C
Reinland; Ens Farms Ltd 204-362-0612 C

FABA BEAN

ALLISON☼

Glenboro; Jefferies Seeds 204-827-2102 F

CDC 1142☼

Russell; Kostuik Seed Farm 204-821-0522 F

DL TESORO☼

Warren; Riddell Seed Co. 204-227-5679 S F C

VICTUS☼

Glenboro; Jefferies Seeds 204-827-2102 R

WHITE LUPIN

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

DIETA

Morris; Red River Seeds Ltd. 204-746-3059 R
Oak River; J.S.Henry & Son Ltd. 204-566-2422 R

FIELD PEAS

AAC ABERDEEN☼

Foxwarren; Falloon, A. Scott 204-683-2347 C
Russell; Keating Seed Farms Inc. 204-773-3854 C

AAC BEYOND☼

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

AAC CARVER☼

Boissevain; Armstrong Seeds Ltd. 204-534-2566 C
Boissevain; Froese, Wesley A.J. & Ian 204-534-0752 C
Dauphin; Fisher Farms Ltd. 204-622-8800 C
Glenboro; Jefferies Seeds 204-827-2102 R C
Oakville; Miller Agritec Farm Inc. 204-267-2363 C
Pilot Mound; Wallace, Joe 204-825-4543 C
Russell; Keating Seed Farms Inc. 204-773-3854 C
Sanford; Bergen Seed Farm 204-736-2278 F R
Stonewall; Unger Seed Farm Ltd. 204-467-8630 R C

AAC CHROME☼

Arborg; Timchishen Seeds Farms 204-641-1288 S R
Boissevain; Armstrong Seeds Ltd. 204-534-2566 C
Boissevain; Froese, Wesley A.J. & Ian 204-534-0752 R C
Carman; RJP Seed Ltd. 204-745-0088 C
Dauphin; Fisher Farms Ltd. 204-622-8800 C
Domain; Manness Seed 204-736-2622 S F C
Hamiota; Knight Seeds 204-764-2450 C
Ingles; Beischer Family Farm Seeds Ltd. 204-564-2676 C
Killarney; Bar H Agri Seeds 204-872-7020 C
Manitou; Sanders Seed Farm 204-242-4200 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 204-825-7810 S R C
Plumas; Court Seeds Ltd. 204-386-2354 R C
Rosenort; Friesen Seeds Ltd. 204-746-8325 C

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Russell; Keating Seed Farms Inc.	204-773-3854	S
Somerset; Sierens Seed Service	204-744-2883	R C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208	C
Swan River; Badowski Farms Ltd.	204-734-6222	C

AAC DELHI☼

Domain; Pitura Seed Farms Ltd.	204-736-2849	R C
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AAC JULIUS☼

Arborg; Timchishen Seeds Farms	204-641-1288	S
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	S

AAC PROFIT☼

Boissevain; Armstrong Seeds Ltd.	204-534-2566	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	R
Carman; RJP Seed Ltd.	204-745-0088	S F R
Domain; Manness Seed	204-736-2622	S F R
Domain; Pitura Seed Farms Ltd.	204-736-2849	C
Elphinstone; Gerrard, Jody	204-365-0321	C
Fannystelle; Nadeau Seeds Inc.	204-436-2469	R
Grosse Isle; Rutherford Farms Ltd.	204-467-5613	C
Hamiota; Knight Seeds	204-764-2450	C
Rivers; Redsper Ent. Ltd.	204-328-5346	R

BOOST☼

Domain; Pitura Seed Farms Ltd.	204-736-2849	S
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CDC HICKIE☼

Arborg; Timchishen Seeds Farms	204-641-1288	S
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CDC INCA☼

Brandon; Wheat City Seeds Ltd.	204-727-3337	S F R
Foxwarren; Graham, George Arthur	204-773-6389	R
Holland; Kubinec, Anastasia	204-526-2776	C
Swan River; Badowski Farms Ltd.	204-734-6222	R

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CDC JASPER☼

Crystal City; Buchanan, Kenneth S. & Dean K.	204-825-7151	R
Reinland; Ens Farms Ltd.	204-362-0612	S F

CDC LEWOCHKO☼

Arborg; Timchishen Seeds Farms	204-641-1288	S F R
Boissevain; Froese, Wesley A.J. & Ian	204-534-0752	S F C
Brandon; Wheat City Seeds Ltd.	204-727-3337	C
Cromer; Bartel, Blair	204-851-1390	C
Cromer; Bartel, Bob	204-662-4580	C
Crystal City; Buchanan, Kenneth S. & Dean K.	204-825-7151	C
Decker; MFI Seed	204-764-0366	C
Domain; Pitura Seed Farms Ltd.	204-736-2849	C
Holland; Kubinec, Anastasia	204-526-2776	C
Inglis; Beischer Family Farm Seeds Ltd.	204-564-2676	C
Miniota; Walker, Alan Glen	204-748-7264	R C
Notre Dame; Durand Seeds Inc.	204-248-2268	C
Oak River; J.S. Henry & Son Ltd.	204-566-2422	C
Oakville; Miller Agritec Farm Inc.	204-267-2363	R
Reinland; Ens Farms Ltd.	204-362-0612	R C
Reston; Avondale Seed Farm Ltd.	204-877-3813	C
Rivers; Redsper Ent. Ltd.	204-328-5346	C
Russell; Keating Seed Farms Inc.	204-773-3854	R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-371-7700	C
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208	R C
Warren; Riddell Seed Co.	204-227-5679	S R
Wawanesa; Ellis Seeds	204-824-2290	C

CDC MEADOW

Hamiota; Knight Seeds	204-764-2450	C
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PROSTAR☼

Warren; Riddell Seed Co.	204-227-5679	S F
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Variety Description Key

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

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

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

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

Key to 2022 Yield Tables

Yields derived over two or more growing seasons are the best indicator of variety performance.

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

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

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



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The process isn't unique.
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There is a lot of science that goes into developing high performing hybrids for across Canada. Which is why Horizon Seeds is one of the only companies our size with a significant corn breeding effort that's actively developing innovative new inbreds. At Horizon Seeds, our Research & Development team work directly with our sales team and their customers. Bringing these groups closer together produces tremendous results. It helps us understand agronomic needs quicker than our competitors while bringing focus to our work within specific hybrid maturities.

Ultimately, it brings our customers closer to the development of their hybrids - hybrids that perform, designed specifically for their local needs.

Each year, our Research & Development team reassess our customer's needs. They test hybrids, evaluate and ensure the best technology to protect genetic yield potential. And only then do they begin the constantly repeating process of determining which of the thousands of outcomes has a shot at earning the "HZ" in front of it's name.

Manitoba Agriculture Variety Guide

GRAIN CORN — SHORT SEASON

Comments:

The 2022 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 releases the annual trial results per location for the Corn Hybrid Performance trials on the Manitoba Crop Alliance website. For the complete results, visit the MCA website at <https://www.mbcropalliance.ca>

CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor	Melita			
				Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (days)
1925	TH6370 VT2P	VT2P	Thunder Seed	128	18.4	56.4	74
1950	P6910AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	112	15.2	56.2	70
2000	P7005AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	129	18.1	58.0	71
2000	MS 6960R	RR2	Maizex Seeds	129	20.1	55.3	76
2025	MZ 1200DBR	VT2P	Maizex Seeds	125	20.8	54.3	72
2025	TH6072 VT2P	VT2P	Thunder Seed	128	18.7	54.2	75
2025	A3979G2 RIB	VT2P	PRIDE Seeds	131	22.6	54.6	72
2050	P7211AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	137	16.9	54.9	70
2050	PS 2192VT2P RIB	GENVT2P	DLF Canada	77	21.9	53.9	75
2050	DKC20-23RIB	VT2P	DEKALB	132	17.8	57.3	74
2050	PV 60172RR	RR2	Proven Seed	120	24.3	51.4	75
2050	NS 271	VT2PRO	NorthStar Genetics	96	19.7	54.7	71
2075	CX22073A/VT2P	VT2P/RIB	CROPLAN	124	20.8	54.2	76
2075	DKC21-36RIB	VT2P	DEKALB	141	19.0	55.3	76
2075	PV 60273RIB	VT2P	Proven Seed	126	21.5	52.5	74
2100	P7455R	RR2	Pioneer Brand Seed	145	19.5	55.0	76
2100	CP1440VT2P/RIB	VT2P/RIB	CROPLAN	144	20.8	53.2	77
2100	DKC24-06RIB	VT2P	DEKALB	115	25.7	51.0	77
2125	P7417AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	127	18.0	53.4	73
2125	NS EXP75	VT2PRO	NorthStar Genetics	132	22.5	52.7	75
2125	EXP75-22	VT2P	DEKALB	78	26.7	50.8	78
2150	P7527AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	153	19.3	51.6	78
2150	MZ 1340DBR	VT2P	Maizex Seeds	105	23.2	53.2	74
2150	HZ 1265	Agrisure GT	Horizon Seeds	127	20.4	57.8	72
2175	TH6977 VT2P	VT2P	Thunder Seed	120	24.6	52.1	75
2175	PV 61276RIB	VT2P	Proven Seed	141	21.5	52.7	75
2200	PV 61479RIB	VT2P	Proven Seed	131	20.8	52.3	75
2200	HZ 1398	Agrisure 3010	Horizon Seeds	153	19.6	54.3	75
2200	A4323G2 RIB	VT2P	PRIDE Seeds	105	20.9	55.6	74
2225	TH6278 VT2P	VT2P	Thunder Seed	142	21.6	51.1	76
2250	MZ 1544DBR	VT2P	Maizex Seeds	146	20.0	50.9	77
2250	EXP78-22	VT2P	DEKALB	121	22.2	50.5	77
2300	X22080A/VT2P	VT2P/RIB	CROPLAN	131	26.8	49.7	77
2300	CP2123VT2P/RIB	VT2P/RIB	CROPLAN	130	20.7	51.6	78
Mean				126	20.9	53.6	75
CV %				7.90	6.72	1.40	1.98
LSD (0.05)				16	2.4	1.2	2
Sig Diff				Yes	Yes	Yes	Yes
Planting Date				18-May			
Harvest Date				10-Oct			

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

² 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.

GRAIN CORN - MID SEASON

Comments:

The 2022 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 releases the annual trial results per location for the Corn Hybrid Performance trials on the Manitoba Crop Alliance website. For the complete results, visit the MCA website at <https://www.mbcropalliance.ca>

CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor	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	VT2P	Thunder Seed	124	24.0	45.2	66	109	23.7	45.0	64
1950	P6910AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	135	25.3	49.7	63	138	21.4	48.1	62
2000	P7005AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	128	23.5	51.2	66	142	23.3	47.0	63
2025	MZ 1200DBR	VT2P	Maizex Seeds	166	26.9	50.2	68	153	24.9	46.0	66
2025	TH6072 VT2P	VT2P	Thunder Seed	130	29.1	49.9	68	131	25.0	45.9	65
2025	A3979G2 RIB	VT2P	PRIDE Seeds	135	23.9	50.4	67	120	23.7	47.2	64
2050	P7211AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	151	24.7	48.5	66	141	22.2	46.6	65
2050	NS 271	VT2PRO	NorthStar Genetics	125	26.1	44.7	67	152	26.4	46.4	64
2075	CX22073A/VT2P	VT2P/RIB	CROPLAN	180	28.8	52.0	68	118	32.3	43.7	68
2075	DKC21-36RIB	VT2P	DEKALB	128	31.9	48.2	68	153	29.3	46.9	69
2100	P7455R	RR2	Pioneer Brand Seed	149	26.8	48.2	67	175	29.0	47.2	65
2100	CP1440VT2P/RIB	VT2P/RIB	CROPLAN	172	30.8	48.0	70	169	29.7	46.9	68
2100	DKC24-06RIB	VT2P	DEKALB	177	30.7	47.7	70	171	30.4	45.3	69
2125	P7417AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	200	23.7	48.7	67	152	24.1	47.5	68
2125	NS EXP75	VT2PRO	NorthStar Genetics	133	31.7	50.8	67	143	31.1	48.4	67
2125	EXP75-22	VT2P	DEKALB	175	29.0	52.0	69	141	29.9	46.5	67
2150	P7527AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	166	26.4	50.0	71	147	28.0	46.2	70
2150	MZ 1340DBR	VT2P	Maizex Seeds	177	32.0	48.1	70	153	30.2	45.5	69
2175	TH6977 VT2P	VT2P	Thunder Seed	174	29.2	49.9	70	143	32.4	44.3	66
2175	PV 61276RIB	VT2P	Proven Seed	174	31.4	52.5	68	160	31.2	47.5	67
2200	PS 2320RR	RR2	DLF Canada	155	32.3	52.3	69	150	32.3	44.8	68
2200	PV 61479RIB	VT2P	Proven Seed	169	30.3	50.1	71	155	31.4	45.9	70
2200	NS 277	VT2PRO	NorthStar Genetics	196	28.4	49.8	73	163	28.3	45.5	69
2200	HZ 1398	Agrisure 3010	Horizon Seeds	193	28.2	52.5	69	163	24.6	44.3	69
2200	A4323G2 RIB	VT2P	PRIDE Seeds	180	30.4	48.8	71	144	29.9	45.6	66
2225	P7844AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	187	29.8	54.0	70	156	28.0	45.5	68
2225	TH6278 VT2P	VT2P	Thunder Seed	170	30.9	50.3	70	140	30.3	42.9	69
2250	P7822AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	212	26.6	50.7	67	155	26.0	46.2	68
2250	P7861AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	164	28.6	50.5	71	147	30.5	46.8	69
2250	MZ 1544DBR	VT2P	Maizex Seeds	203	28.3	48.4	71	172	26.8	45.8	69
2250	EXP78-22	VT2P	DEKALB	201	29.0	52.5	69	172	26.2	46.4	68
2250	PV 61180RIB	VT2P	Proven Seed	193	31.1	51.0	72	156	30.4	45.2	70
2250	HZ 1685	Agrisure Viptera 3110	Horizon Seeds	194	30.4	46.6	73	131	29.7	46.5	70
2275	P7958AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	189	27.7	48.6	70	141	31.0	44.7	69
2275	PS 2333RR	RR2	DLF Canada	140	31.3	57.6	68	153	33.8	48.8	68
2275	DKC29-89RIB	VT2P	DEKALB	192	29.5	50.4	72	166	29.1	48.8	70
2300	MZ 1688DBR	VT2P	Maizex Seeds	189	28.5	49.2	72	158	30.6	46.1	71
2300	E49K32 R	VT2P	Maizex Seeds	154	29.7	51.0	73	134	31.5	45.0	71
2300	X22080A/VT2P	VT2P/RIB	CROPLAN	197	33.2	51.5	72	157	30.3	45.1	70
2300	CP2123VT2P/RIB	VT2P/RIB	CROPLAN	187	26.5	54.6	72	138	30.4	46.2	70
2300	255	VT2PRO	NorthStar Genetics	181	32.8	45.9	73	159	30.9	46.9	70
2300	A4646G2 RIB	VT2P	PRIDE Seeds	199	27.1	53.4	71	135	27.8	43.9	70
2300	B79H45AM	AM/LL/RR2	Brevant	215	26.7	45.4	71	143	27.6	48.9	72

CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor	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)
2325	TH6380 VT2P	VT2P	Thunder Seed	172	31.7	47.3	71	158	28.9	43.4	71
2325	PS 2495RR	RR2	DLF Canada	208	33.1	54.5	70	134	34.0	45.7	69
2325	DKC30-63RIB	VT2P	DEKALB	172	29.9	54.3	70	166	29.9	47.9	68
2350	P8048AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	180	31.1	48.0	72	154	31.5	46.3	70
2350	NK7837-V	Agrisure Viptera	NK	170	28.3	48.6	71	152	27.7	47.2	69
2375	HZ 1912	Agrisure 3120 EZR	Horizon Seeds	123	32.3	52.6	72	136	32.0	48.0	68
2400	TH6182 VT2P	VT2P	Thunder Seed	179	30.6	46.0	71	155	30.9	46.5	70
2400	NK8005-V	Agrisure Viptera	NK	180	32.3	48.9	73	143	30.7	46.0	71
2400	A4939G2 RIB	VT2P	PRIDE Seeds	148	32.6	48.7	72	165	28.8	45.9	70
2425	DKC31-85RIB	VT2P	DEKALB	201	31.3	49.9	72	138	28.8	44.9	69
2450	CP2288VT2P/RIB	VT2P/RIB	CROPLAN	165	32.1	51.8	72	156	32.1	45.7	70
2450	EXP82-22	VT2P	DEKALB	214	32.5	59.6	75	156	36.6	47.3	74
2475	X22084A/VT2P	VT2P/RIB	CROPLAN	188	31.7	48.3	72	159	32.1	46.5	70
2500	CP2315VT2P/RIB	VT2P/RIB	CROPLAN	196	32.9	49.2	71	162	32.9	45.7	70
2500	DKC33-37RIB	VT2P	DEKALB	187	31.8	50.1	73	154	32.8	44.6	70
2500	PV 62384RIB	VT2P	Proven Seed	206	33.6	56.5	73	141	30.5	44.1	73
2550	TH6185 VT2P	VT2P	Thunder Seed	188	33.9	54.7	72	131	34.2	45.1	72
2550	NK8204-V	Agrisure Viptera	NK	183	32.4	55.4	74	151	30.7	45.2	74
2550	PV 62485RIB	VT2P	Proven Seed	220	31.6	52.2	73	159	31.8	42.2	72
Mean				174	29.7	50.5	70	149	29.4	46.0	69
CV %				9.41	3.20	5.23	0.92	12.34	6.64	5.54	1.40
LSD (0.05)				33	1.9	5.3	1	30	3.2	—	2
Sig Diff				Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Planting Date				25-May				27-May			
Harvest Date				21-Oct				20-Oct			

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

2 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.



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GRAIN CORN - LONG SEASON

Comments:

The 2022 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.

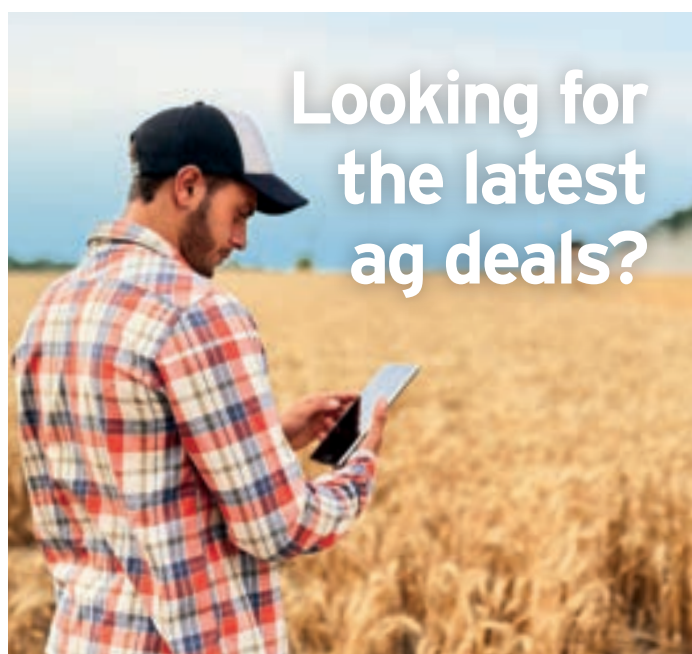
The Manitoba Corn Committee releases the annual trial results per location for the Corn Hybrid Performance trials on the Manitoba Crop Alliance website. For the complete results, visit the MCA website at <https://www.mbcropalliance.ca>

CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor	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	VT2P	Thunder Seed	139	17.8	48.0	60	188	19.8	58.0	66
1950	P6910AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	70	16.7	47.6	58	155	17.1	58.1	65
2000	P7005AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	147	18.0	50.2	60	150	19.0	59.0	65
2025	TH6072 VT2P	VT2P	Thunder Seed	169	18.7	49.7	62	194	20.4	56.3	68
2025	A3979G2 RIB	VT2P	PRIDE Seeds	171	17.5	55.4	61	189	21.9	55.8	68
2050	P7211AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	167	20.2	50.6	60	172	19.8	56.6	66
2075	CX22073A/VT2P	VT2P/RIB	CROPLAN	145	19.0	50.1	62	185	21.5	57.1	69
2075	DKC21-36RIB	VT2P	DEKALB	147	17.0	52.9	64	200	21.2	56.8	71
2075	BYM2223001BV	VT2P	BrettYoung	150	19.5	52.5	62	175	20.9	58.1	66
2100	P7455R	RR2	Pioneer Brand Seed	179	18.3	53.3	63	195	19.8	58.2	69
2100	CP1440VT2P/RIB	VT2P/RIB	CROPLAN	181	21.0	52.2	64	210	22.0	56.5	70
2100	DKC24-06RIB	VT2P	DEKALB	175	20.3	50.8	64	187	21.8	56.6	71
2125	P7417AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	185	19.5	48.8	62	193	21.0	55.3	68
2125	EXP75-22	VT2P	DEKALB	132	21.0	52.4	63	195	23.2	55.4	70
2150	P7527AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	153	21.1	49.1	65	209	20.9	55.3	71
2175	TH6977 VT2P	VT2P	Thunder Seed	182	20.1	50.6	63	191	22.8	55.7	68
2175	PV 61276RIB	VT2P	Proven Seed	166	20.3	50.2	62	212	21.9	57.1	68
2200	PV 61479RIB	VT2P	Proven Seed	171	20.1	48.9	63	204	23.2	55.3	69
2200	NS 277	VT2PRO	NorthStar Genetics	185	18.6	49.7	64	222	22.0	54.7	69
2200	HZ 1398	Agrisure 3010	Horizon Seeds	168	20.3	45.4	65	194	22.6	55.9	69
2200	A4323G2 RIB	VT2P	PRIDE Seeds	150	20.2	50.2	63	177	21.2	58.5	67
2225	P7844AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	196	18.4	51.1	64	226	22.7	54.5	69
2225	TH6278 VT2P	VT2P	Thunder Seed	170	19.1	49.3	63	212	21.7	55.7	70
2250	P7822AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	193	18.9	52.7	63	223	22.0	55.6	68
2250	P7861AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	183	19.9	50.8	64	206	22.6	55.1	71
2250	MZ 1544DBR	VT2P	Maizex Seeds	191	17.9	52.5	65	226	21.1	55.1	71
2250	EXP78-22	VT2P	DEKALB	176	18.0	54.0	63	180	21.5	55.1	69
2250	PV 61180RIB	VT2P	Proven Seed	190	20.9	48.4	65	233	24.0	53.4	70
2250	BY Brava RR2	RR2	BrettYoung	187	23.9	53.2	65	203	28.3	55.0	71
2250	HZ 1685	Agrisure Viptera 3110	Horizon Seeds	173	23.0	51.0	69	198	25.5	56.7	73
2275	P7958AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	183	21.7	51.1	64	208	22.4	56.0	71
2275	PS 2333RR	RR2	DLF Canada	196	25.6	53.4	64	217	30.1	54.6	69
2275	DKC29-89RIB	VT2P	DEKALB	177	19.4	49.5	64	215	21.4	55.8	69
2300	MZ 1688DBR	VT2P	Maizex Seeds	181	19.2	51.1	65	234	23.5	54.6	71
2300	E49K32 R	VT2P	Maizex Seeds	202	20.8	52.8	65	225	23.9	54.2	72
2300	X22080A/VT2P	VT2P/RIB	CROPLAN	201	19.6	47.3	64	217	23.6	54.1	70
2300	CP2123VT2P/RIB	VT2P/RIB	CROPLAN	175	19.0	51.5	64	177	21.9	55.4	70
2300	255	VT2PRO	NorthStar Genetics	198	19.8	52.1	65	207	24.9	53.4	70
2300	BYM2229002BV	VT2P	BrettYoung	184	19.6	47.6	63	234	22.2	54.7	69
2300	A4646G2 RIB	VT2P	PRIDE Seeds	204	19.7	51.7	66	216	22.8	54.7	70
2300	B79H45AM	AM/LL/RR2	Brevant	215	19.8	50.6	63	232	23.0	54.6	71
2325	TH6380 VT2P	VT2P	Thunder Seed	211	17.8	50.4	65	229	24.0	54.1	71
2325	PS 2495RR	RR2	DLF Canada	180	25.8	50.8	63	202	29.7	54.2	69
2325	DKC30-63RIB	VT2P	DEKALB	180	17.9	50.3	64	214	21.5	55.9	70
2350	P8048AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	187	22.6	54.0	64	216	23.8	55.0	70
2350	NK7837-V	Agrisure Viptera	NK	190	21.9	50.1	65	—	—	—	—
2375	HZ 1912	Agrisure 3120 EZR	Horizon Seeds	164	21.4	51.0	63	—	—	—	—
2400	TH6182 VT2P	VT2P	Thunder Seed	203	19.6	52.1	65	228	24.3	52.8	70
2400	PS 2563GSX RIB	GENSS	DLF Canada	188	23.9	49.8	68	192	28.9	51.3	76
2400	NK8005-V	Agrisure Viptera	NK	190	25.0	52.8	67	208	26.7	53.8	72
2400	A4939G2 RIB	VT2P	PRIDE Seeds	211	20.5	57.4	66	198	23.8	53.7	72

CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor	Carman				Rosebank			
				Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	50% Silk (d)
2425	DKC31-85RIB	VT2P	DEKALB	169	18.9	48.7	65	223	22.9	53.9	69
2425	NS 283	VT2PRO	NorthStar Genetics	199	21.7	47.6	66	220	27.8	50.5	74
2450	P8407AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	192	22.3	46.4	67	230	26.6	51.6	73
2450	MZ 2266DBR	VT2P	Maizex Seeds	179	21.2	51.0	66	211	22.7	55.1	70
2450	CP2288VT2P/RIB	VT2P/RIB	CROPLAN	187	20.8	49.3	65	206	23.0	54.6	71
2450	EXP82-22	VT2P	DEKALB	217	23.0	49.5	66	216	27.7	51.3	74
2450	BY Belmont RR2	RR2	BrettYoung	202	21.4	50.4	67	231	25.4	53.0	73
2450	HZ 2220	Agrisure 3010	Horizon Seeds	179	19.9	51.0	68	160	26.0	52.3	73
2475	X22084A/VT2P	VT2P/RIB	CROPLAN	226	22.2	50.8	65	255	26.5	51.7	72
2475	BYM2234003BV	VT2P	BrettYoung	211	21.8	49.7	64	232	23.7	54.4	69
2500	CP2315VT2P/RIB	VT2P/RIB	CROPLAN	206	21.4	50.7	65	231	24.8	53.7	70
2500	CP2585VT2P/RIB	VT2P/RIB	CROPLAN	201	22.2	47.5	68	236	28.2	51.5	74
2500	PS 2571GSX RIB	GENSS	DLF Canada	188	24.3	52.5	68	203	28.9	51.1	74
2500	DKC33-37RIB	VT2P	DEKALB	205	20.6	48.2	66	216	25.6	53.6	72
2500	PV 62384RIB	VT2P	Proven Seed	205	20.9	51.3	68	207	25.9	52.5	73
2550	P8588AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	208	22.5	51.0	67	226	27.2	50.8	73
2550	P8537AM	YGCB/HX1/LL/RR2	Pioneer Brand Seed	204	22.8	46.5	65	225	26.2	52.7	72
2550	TH6185 VT2P	VT2P	Thunder Seed	205	22.4	47.7	65	216	26.6	52.0	73
2550	NK8204-V	Agrisure Viptera	NK	192	22.3	48.1	69	217	27.2	52.8	76
2550	PV 62485RIB	VT2P	Proven Seed	202	20.7	50.1	67	221	26.4	52.4	72
2575	DKC35-29RIB	VT2P	DEKALB	215	20.7	54.1	67	210	26.1	52.9	73
2575	EXP85-22	SSTX RIB Complete	DEKALB	202	21.6	52.2	66	217	24.3	53.6	72
2625	A5404G2 RIB	VT2P	PRIDE Seeds	188	23.6	49.9	66	203	27.3	52.3	71
2625	H3505STX	SSTAX	PRIDE Seeds	194	22.5	52.9	66	215	25.1	53.0	72
2650	NK8519-DV	Agrisure Duracade/Viptera	NK	168	23.5	50.9	71	215	31.2	50.0	78
2650	NK8618-D	Agrisure Duracade	NK	225	24.4	50.6	70	220	30.7	50.5	77
2650	NK8760-V	Agrisure Viptera	NK	210	26.5	52.7	70	206	30.0	52.1	75
Mean				184	20.9	50.7	65	205	24.1	54.4	71
CV %				9.33	6.15	6.60	1.55	6.28	2.27	0.86	1.44
LSD (0.05)				28	2.1	—	2	21	0.9	0.8	2
Sig Diff				Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Planting Date				24-May				16-May			
Harvest Date				20-Oct				18-Oct			

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

2 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.



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INDUSTRIAL HEMP

Comments:

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

The requirement for THC testing for commercial production has been eliminated. THC testing is 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 2023 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.

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 on best management practices by variety.

Site Comparisons - Dual Purpose Trial

Variety	End Use Purpose	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
Site Average		1572	1894	1281
CV %		16.0	4.4	19.9
LSD (lbs/ac)		382	126	387
Sign Diff		Yes	Yes	Yes
Seeding Date		25-May	24-May	27-May
Harvest Date		27-Sep	06-Sep	26-Sep

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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
Site Average		2067	1702
CV %		16.2	14.5
LSD (lbs/ac)		—	379
Sign Diff		No	Yes
Seeding Date		25-May	24-May
Harvest Date		27-Sep	06-Sep

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Distributor Contacts for Listed Varieties in Seed Manitoba 2023

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.

GRAIN CORN

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

HEMP

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

DISTRIBUTOR	PHONE NUMBER
Bayer CropScience Canada Ltd. (DEKALB)	1-888-283-6847
BrettYoung	1-800-665-5015
BREVANT Seeds	1-800-667-3852
Ceres Global Seeds (Horizon Seeds)	1-888-974-7246
Corteva AgriScience (Pioneer Brand Seeds)	1-800-667-3852
DLF Pickseed Canada Inc. (DLF Canada)	1-204-633-0088
Fresh Hemp Foods Ltd.	1-800-665-4367
International Hemp	1-833-937-4367
Maizex Seeds Inc. (Maizex Seeds)	1-877-682-1720
DSV NorthStar 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.

MANCAN			
Notre Dame; Durand Seeds Inc.	204-248-2268	S	R C
Reinland; Ens Farms Ltd	204-362-0612		C
AGASSIZ			
Morden; Springfield Mills Inc.	204-362-0513	S	
HORIZON			
Morden; Springfield Mills Inc.	204-362-0513		C

INDUSTRIAL HEMP

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

INDIGO		
Russell; Kostuik Seed Farm	204-821-0522	R
KATANI☼		
Russell; Kostuik Seed Farm	204-821-0522	C



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75 DAY RM

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Tall hybrids with large, flex ears

Very good roots and standability

928S



2300-2400 CHU
86 DAY RM

High quality silage

Extended chopping window

Ready to feed sooner

932S



2300-2400 CHU
89 DAY RM

More digestible fibre

Highly available starch

Excellent for grazing



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Forage Crops

Key to 2022 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.
Alsike 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.

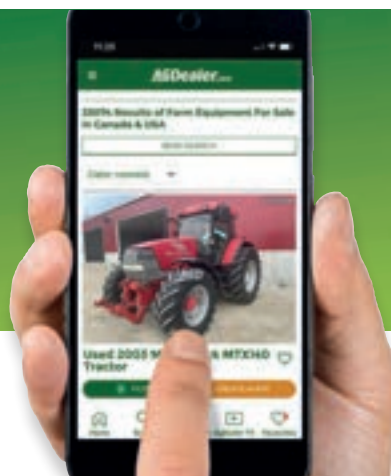
TAME GRASSES

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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Forage	Use	Longevity	Winter Hardiness	Tolerance to:			Preferred Climate and Growing Conditions
				Drought	Flooding	Salinity	
Kentucky Blue Grass	Pasture Lawn	Long	Excellent	Moderate	Moderate	Low	Prefers cool and humid. Grows on most soils.
Meadow Bromegrass	Hay & Pasture	Long	Good	High	Low	Low	Grows well on most soils where Smooth Brome does well.
Meadow Fescue	Pasture	Short - Medium	Good	Moderate	High	Low to Moderate	Prefers soil with good moisture and good drainage.
Meadow Foxtail	Pasture	Long	Good	Low	High	Low	Prefers cool moist conditions. High water table.
Orchard grass	Hay & Pasture	Short	Fair	Moderate	Low to Moderate	Low	Prefers moist conditions. Sandy soils are too dry for good growth unless in high rainfall area.
Perennial Ryegrass	Hay & Pasture	Short	Poor	Low	Low	Low	Needs high precipitation and fertility for high yields. Adapted to 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 and Resource Development — 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 plant population of 32,000 plants per acre.

Yields are corrected to 65% moisture.

The Manitoba Corn Committee releases the annual trial results per location for the Corn Hybrid Performance trials on the Manitoba Crop Alliance website. For the complete results, visit the MCA website at <https://www.mbcropalliance.ca>.

CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor	St Pierre							
				65% Yield (Mt/ac)	Moisture ³ (%)	50% Silk (days)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre ⁴ (lbs/ac)	Beef/Acre ⁵ (lbs/ac)
2100	CP1440VT2P/RIB	VT2P/RIB	CROPLAN	15.7	67.8	69	67.2	29.4	49.5	18270	1353
2150	913S	RR2	NorthStar Genetics	17.2	67.0	71	65.4	31.1	55.8	19007	1445
2150	AS1017RR EDF	RR2	PRIDE Seeds	17.8	62.7	71	67.4	29.3	51.4	18044	1536
2150	TH4076 HDRR	RR2	Thunder Seed	16.2	69.6	70	68.5	28.3	49.6	17544	1423
2200	CSX22077A/RR	RR	CROPLAN	16.4	67.0	71	68.3	28.4	51.8	17390	1432
2200	PS 2320RR	RR2	DLF Canada	16.0	67.6	69	70.2	26.6	48.4	21203	1438
2200	PV 61177SRR	RR2	Proven Seed	18.4	67.5	71	66.5	30.1	47.2	17275	1574
2225	TH6278 VT2P	VT2P	Thunder Seed	17.9	67.0	70	71.7	25.2	44.7	17706	1646
2250	BY Brava RR2	RR2	BrettYoung	19.0	70.0	70	70.5	26.4	45.3	21236	1718
2250	HZ 1685	Agrisure Viptera 3110	Horizon Seeds	15.8	71.4	72	68.9	27.9	47.4	16790	1394
2250	MS 8022R	RR2	Maizex Seeds	18.4	69.9	68	69.9	26.9	47.3	19603	1653
2250	Riel	GT	Greenfield Genetics	16.9	69.0	68	71.9	25.1	45.2	17256	1556
2275	PS 2333RR	RR2	DLF Canada	16.2	69.2	68	67.5	29.2	50.1	19392	1405
2300	A4705HMRR	RR2	PRIDE Seeds	18.5	68.1	69	69.5	27.2	50.7	18515	1647
2300	CP2123VT2P/RIB	VT2P/RIB	CROPLAN	15.8	66.2	70	64.8	31.7	52.1	15610	1313
2300	HZ 1710	Agrisure 3010	Horizon Seeds	19.8	68.8	71	66.0	30.5	52.7	22518	1678
2300	Ranger	GT	Greenfield Genetics	14.7	68.9	70	68.8	27.9	50.4	15645	1299
2300	TH6180 VT2P	VT2P	Thunder Seed	17.9	64.1	68	69.3	27.4	48.1	19944	1592
2300	X22080A/VT2P	VT2P/RIB	CROPLAN	16.7	69.9	70	71.1	25.8	46.5	16575	1525
2325	928S	RR2	NorthStar Genetics	19.5	67.8	76	68.8	27.9	53.8	17878	1719
2325	DKC30-63RIB	VT2P	DEKALB	17.4	66.9	72	64.3	32.1	57.7	16406	1435
2325	PS 2495RR	RR2	DLF Canada	19.9	66.4	70	64.7	31.8	52.5	20420	1652
2350	AS1027RR EDF	RR2	PRIDE Seeds	18.1	67.8	74	74.1	23.0	41.9	18350	1723
2350	HZ 675	Agrisure 3010	Horizon Seeds	17.1	71.4	72	68.5	28.2	47.4	17145	1506
2350	NK7837-V	Agrisure Viptera	NK	16.6	68.9	71	68.4	28.3	52.7	15242	1453
2350	PV 62181SRIB	VT2P	Proven Seed	16.7	70.1	67	69.9	27.0	45.0	15472	1494
2375	HZ 1912	Agrisure 3120 EZR	Horizon Seeds	17.1	67.2	68	71.6	25.3	44.4	18013	1567
2400	932S	RR2	NorthStar Genetics	19.7	71.4	78	67.6	29.1	56.6	17159	1710
2400	AS1047RR EDF	RR2	PRIDE Seeds	19.5	70.1	73	66.5	30.1	50.0	18684	1660
2400	NK8005-V	Agrisure Viptera	NK	15.9	69.1	71	62.0	34.3	56.7	16331	1266
2425	DKC31-85RIB	VT2P	DEKALB	16.5	69.0	72	68.4	28.3	48.9	17791	1450
2450	BY Belmont RR2	RR2	BrettYoung	22.1	65.2	72	69.0	27.8	49.2	23031	1956
2450	CP2288VT2P/RIB	VT2P/RIB	CROPLAN	16.9	68.9	71	72.9	24.1	43.6	19722	1580
2450	HZ 2220	Agrisure 3010	Horizon Seeds	17.6	71.1	71	67.8	28.9	47.6	20162	1532
2450	MS 8270R	RR2	Maizex Seeds	20.0	67.4	73	70.9	26.0	46.3	23328	1818
2450	PS ExSeed LF RR	RR2	DLF Canada	17.8	72.9	76	69.5	27.2	53.5	15722	1585
2450	TH6183 VT2P	VT2P	Thunder Seed	16.8	69.1	70	70.4	26.4	46.2	17969	1516
2475	X22084A/VT2P	VT2P/RIB	CROPLAN	14.9	71.5	70	72.5	24.5	44.3	16654	1383
2500	CP2315VT2P/RIB	VT2P/RIB	CROPLAN	17.4	69.1	71	70.5	26.4	43.8	18515	1577
2500	CP2585VT2P/RIB	VT2P/RIB	CROPLAN	17.0	72.5	73	70.2	26.6	46.2	17739	1534
2500	DKC33-37RIB	VT2P	DEKALB	18.0	67.9	71	69.5	27.3	49.1	18819	1600
2525	PS ExAmine LFF RR	RR2	DLF Canada	18.2	68.8	76	61.9	34.4	57.9	18363	1446
2550	MS 8632R	RR2	Maizex Seeds	19.4	71.2	76	67.7	29.0	49.5	19160	1682
2550	NK8204-V	Agrisure Viptera	NK	16.2	69.7	74	67.0	29.6	50.0	17544	1394
2550	PV 62485RIB	VT2P	Proven Seed	15.5	69.4	72	71.3	25.6	45.1	15569	1415
2550	TH6185 VT2P	VT2P	Thunder Seed	17.2	69.1	72	69.7	27.1	46.0	18776	1542
2575	DKC34-57RIB	VT2P	DEKALB	17.8	68.6	72	68.4	28.3	50.4	19755	1557
2600	CSX22086A/RR	RR	CROPLAN	19.2	67.0	76	69.4	27.4	49.1	20118	1714
2600	DKC36-48RIB	VT2P	DEKALB	22.1	66.1	72	69.9	26.9	45.8	21645	1984
2600	Maxx	GT	Greenfield Genetics	16.3	72.8	75	61.8	34.5	57.4	16361	1296
2600	TH4386 HDRR	RR2	Thunder Seed	18.4	68.6	76	61.2	35.0	59.3	18147	1446
2650	CP2790VT2P/RIB	VT2P/RIB	CROPLAN	19.5	68.4	71	73.7	23.3	41.9	20221	1846
2650	NK8519-DV	Agrisure Duracade/Viptera	NK	16.7	70.8	77	67.3	29.3	56.3	13989	1438
2650	NK8618-D	Agrisure Duracade	NK	19.1	66.9	75	63.5	32.9	55.4	21790	1553

CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor	St Pierre - 2022							
				65% Yield (Mt/ac)	Moisture ³ (%)	50% Silk (days)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre ⁴ (lbs/ac)	Beef/Acre ⁵ (lbs/ac)
2650	NK8760-V	Agrisure Viptera	NK	18.0	70.0	74	67.6	29.1	50.1	19718	1562
2650	X22087A/VT2P	VT2P/RIB	CROPLAN	18.5	70.1	74	67.9	28.8	47.3	19461	1612
2675	CP2845VT2P/RIB	VT2P/RIB	CROPLAN	15.7	72.8	72	67.9	28.8	47.8	17405	1367
2700	HZ 3020	Agrisure GT	Horizon Seeds	17.9	70.7	76	67.2	29.4	50.6	19206	1547
2725	DKC39-55RIB	VT2P	DEKALB	19.5	68.5	74	69.8	27.0	44.5	18375	1744
2750	Dalton	3010	Greenfield Genetics	20.3	68.0	75	65.1	31.4	53.5	21000	1698
2750	HZ 878	Agrisure Viptera 3220 EZR	Horizon Seeds	21.8	69.9	76	66.8	29.8	54.9	21103	1867
2750	LFG 8755R	RR2	Maizex Seeds	18.6	72.7	81	62.9	33.5	55.1	17468	1498
2750	NK9175-DV	Agrisure Duracade/Viptera	NK	18.5	72.4	77	70.7	26.2	45.5	19408	1674
2750	Prime	3000 GT	Greenfield Genetics	18.3	73.8	76	67.5	29.1	50.0	16637	1586
Mean				17.8	69.1	72					
CV %				10.0	3.4	1.46					
LSD (0.05)				2.9	3.8	2					
Sig Diff				Yes	Yes	Yes					
Planting Date:				27-May							
Harvest Date:				22-Sep							

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

2 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.

ANNUAL FORAGES

Variety Descriptions

Variety descriptions for wheat, barley and oat crop types can be found in the Cereal Crops section of SEED Manitoba 2023 page 21.

Field pea variety information can be found on page 90.

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

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
FOXTAIL MILLET				
Yellow (Golden German)	Yellow	160-170,000	75-90	85-95
Red (Siberian)	Red	169-170,000	55-70	70-90
PROSO MILLET				
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
SORGHUM				
Forage Sorghum	—	—	—	85-90
Sorghum sudan grass	—	—	—	80-85

ANNUAL FORAGES (continued)

Quality Comparisons

Crop	Variety	Forage Quality ¹									
		RFV (%) ²					CP (%) ³				
		Arborg	Carberry	Carman	Melita	Roblin	Arborg	Carberry	Carman	Melita	Roblin
Oats	Haymaker	90	95	148	112	86	13.2	11.4	10.1	8.0	11.9
Oats	CDC Arborg ^⓪	100	111	123	121	93	13.1	10.4	8.9	8.2	12.9
Oats	CDC Endure ^⓪	97	126	124	115	94	12.4	10.8	10.2	8.1	13.8
	Oat Average	96	111	132	116	91	12.9	10.9	9.7	8.1	12.9
Barley	AB Advantage ^⓪	123	171	148	127	112	11.7	11.3	9.0	8.3	17.0
Barley	AB Cattelac ^⓪	126	162	123	141	123	12.2	12.0	10.5	11.5	13.0
Barley	AB Tofield ^⓪	114	188	111	97	126	11.5	11.1	9.2	7.6	14.0
Barley	CDC Renegade ^⓪	118	144	136	153	121	12.3	12.3	8.9	8.7	13.6
Barley	AB Hague ^⓪	118	178	116	102	130	10.7	11.6	10.2	6.6	12.2
	Barley Average	120	169	127	124	122	11.7	11.7	9.6	8.5	14.0
Peas/Barley	CDC Lewochko ^⓪ -AB Advantage ^⓪	109	223	123	87	118	12.7	11.5	10.5	6.4	13.7
Peas/Oats	CDC Lewochko ^⓪ -CDC Arborg ^⓪	116	115	116	127	100	12.6	12.2	12.4	8.1	14.8
	Pea/cereal Average	113	169	120	107	109	12.7	11.9	11.5	7.3	14.3
Spring Triticale	Pronghorn ⁵	109	110	105	108	124	11.6	8.6	8.9	11.6	10.3
Proso Millet	Crown ⁵	107	114	91	131	100	11.0	9.7	10.3	7.2	15.5
Yellow Foxtail Millet	Golden German ⁵	95	93	78	108	76	10.5	7.2	8.1	8.0	10.4
	Millet Average	101	104	85	120	88	10.8	8.5	9.2	7.6	13.0
Sorghum sudangrass	common ⁵	93	145	91	99	103	11.3	5.4	8.2	8.5	6.4
Forage Sorghum	common ⁵	89	137	87	137	99	7.4	6.6	6.4	7.5	8.7
	Sorghum Average	91	141	89	118	101	9.4	6.0	7.3	8.0	7.6

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)

Yield Comparisons

The 2022 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	2022 Dry Matter Yield (tonnes/acre) ¹					Manitoba Average
		Arborg	Carberry	Carman	Melita	Roblin	
Oat	Haymaker	3.9	5.6	3.6	4.7	7.1	5.0
Oat	CDC Arborg ^⓪	3.8	7.8	4.4	4.0	7.0	5.4
Oat	CDC Endure ^⓪	3.3	6.8	3.8	4.4	7.2	5.1
	Oat Average						5.2
Barley	AB Advantage ^⓪	3.2	4.7	4.0	5.0	4.7	4.3
Barley	AB Cattelac ^⓪	3.0	5.5	3.3	4.4	4.6	4.2
Barley	AB Tofield ^⓪	2.9	5.8	3.7	4.7	6.1	4.7
Barley	CDC Renegade ^⓪	3.4	6.9	4.6	5.0	6.6	5.3
Barley	AB Hague ^⓪	1.9	4.9	3.6	4.2	5.0	3.9
	Barley Average						4.5
Pea/Barley	CDC Lewochko ^⓪ -AB Advantage ^⓪	3.5	5.5	3.4	4.5	3.7	4.1
Pea/Oat	CDC Lewochko ^⓪ -CDC Arborg ^⓪	4.4	5.7	3.5	4.6	3.5	4.3
	Pea/cereal Average						4.2
Spring Triticale	Pronghorn2	4.0	5.1	3.7	5.5	5.1	4.7
Proso Millet	Crown2	1.0	4.2	4.1	3.5	2.6	3.1
Yellow Foxtail Millet	Golden German2	1.5	5.8	5.3	3.5	4.7	4.1
	Millet Average						3.6
Sorghum sudangrass	common2	2.8	8.8	8.2		10.6	7.6
Forage Sorghum	common2	4.7	9.7	7.8		10.4	8.2
	Sorghum Average						7.9
Grand Mean (tonnes/acre)		3.1	6.2	4.5	4.5	5.9	
CV %		11.4	20.9	20.0	5.8	10.6	
LSD (0.05)		0.6	2.2	1.5	0.4	1.1	
Sig Diff		yes	yes	yes	yes	yes	
Seeding Date		24-May	26-May	26-May	31-May	27-May	
Harvest Date		29-July to 25-Aug	10-Aug & 30-Aug	10-Aug & 25-Aug	22-July & 5-Aug	29-July to 9-Sept	

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

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

Crop	Variety	Forage Quality ¹ TDN (%) ⁴				
		Arborg	Carberry	Carman	Melita	Roblin
Oats	Haymaker	57.2	58.1	65.4	66.9	58.0
Oats	CDC Arborg ⁵	59.7	60.5	63.0	64.0	57.1
Oats	CDC Endure ⁵	60.4	63.6	62.6	64.2	58.7
	Oat Average	59.1	60.7	63.7	65.0	57.9
Barley	AB Advantage ⁵	67.4	71.7	68.7	65.5	64.7
Barley	AB Cattelac ⁵	69.5	71.2	65.3	67.1	65.0
Barley	AB Tofield ⁵	65.6	74.4	61.3	58.9	66.7
Barley	CDC Renegade ⁵	67.8	70.4	68.8	71.5	64.0
Barley	AB Hague ⁵	67.2	74.9	64.2	62.4	66.7
	Barley Average	67.5	72.5	65.7	65.1	65.4
Peas/Barley	CDC Lewochko ⁵ -AB Advantage ⁵	63.4	80.0	63.1	57.0	63.7
Peas/Oats	CDC Lewochko ⁵ -CDC Arborg ⁵	57.7	63.2	60.0	65.3	57.7
	Pea/cereal Average	60.6	71.6	61.6	61.2	60.7
Spring Triticale	Pronghorn ⁵	62.9	60.5	63.3	59.1	64.7
Proso Millet	Crown ⁵	69.7	64.0	57.6	67.2	63.6
Yellow Foxtail Millet	Golden German ⁵	60.3	59.0	52.6	62.9	52.4
	Millet Average	65.0	61.5	55.1	65.1	58.0
Sorghum sudangrass	common ⁵	60.9	70.8	61.0	59.7	59.9
Forage Sorghum	common ⁵	57.6	69.1	59.3	69.0	63.1
	Sorghum Average	59.3	70.0	60.2	64.4	61.5

4 Total Digestive Nutrients (TDN)

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

Distributor Contacts for Listed Varieties in Seed Manitoba 2023

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.

DISTRIBUTOR - FORAGE SEED

PHONE NUMBER

Alliance Seed	1-877-270-2890
Brett Young	1-800-665-5015
DL Seeds.....	204-331-3611
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
DSV Northstar Ltd.	1-800-430-5955
DLF Canada	1-800-263-7425
Proven Seed.....	1-800-661-3334
SeCan	1-800-665-7333

DISTRIBUTOR - CORN SILAGE

PHONE NUMBER

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Brett Young	1-800-665-5015
DLF Pickseed Canada Inc (DLF Canada).....	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
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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

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.

CORN

See Silage Corn table for specific hybrids, then check distributor table below for phone number.



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For forage and turfgrass seed production contracts:

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mgreaves@dlfpickseed.com

Dan McGill

2047710482
dmcgill@dlfpickseed.com

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

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Fisher Branch; SKUBA, BONNY	204-805-0785	C	
DAKOTA			
Neepawa; DSV NORTHSTAR LTD.	1-800-430-5955	F	C
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Neepawa; DSV NORTHSTAR LTD.	1-800-430-5955	C	
ESCALADE BR			
Neepawa; DSV NORTHSTAR LTD.	1-800-430-5955	F	
EXTREME HD			
Neepawa; DSV NORTHSTAR LTD.	1-800-430-5955	C	
INSTINCT			
Winnipeg; DLF CANADA INC.	204-633-0088	C	
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Neepawa; DSV NORTHSTAR LTD.	1-800-430-5955	C	
PERFORMER			
Neepawa; DSV NORTHSTAR LTD.	1-800-430-5955	C	
POWER 4.2			
Broad Valley; WOLOSHYN FORAGE SEED FARMS ...	204-280-0801	C	
REVOLUTION MD (MAGNET 401)			
Neepawa; DSV NORTHSTAR LTD.	1-800-430-5955	F	
RUGGED ST			
Neepawa; DSV NORTHSTAR LTD.	1-800-430-5955	C	
VISION			
Winnipeg; DLF CANADA INC.	204-633-0088	C	

ANNUAL RYEGRASS

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Winnipeg; DLF CANADA INC.	204-633-0088	F	C
LOTANOVA			
Winnipeg; DLF CANADA INC.	204-633-0088	C	

CRESTED WHEATGRASS

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HYBRID BROMEGRASS

AC KNOWLES			
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TETRAx			
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Neepawa; DSV NORTHSTAR LTD.	1-800-430-5955	C	

TIMOTHY

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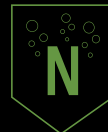
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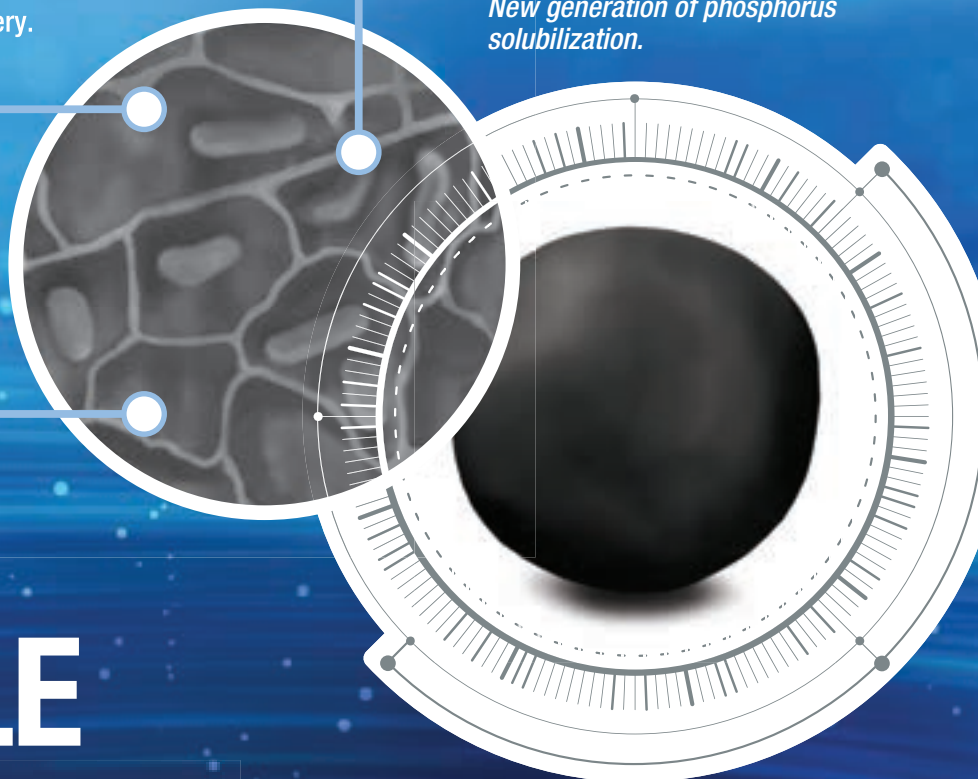
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 Website: www.forageseed.net
 Twitter: @MB_Forage_Seeds

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 E-MAIL.....hmcbey@forageseed.net

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 Arborg, MB204-641-4115
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Regina, SK 306-530-8545
E-MAIL smathieson@poga.ca

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Arborg; Foster Ag Services	204-364-2358
Arborg; Nutrien Ag Solutions Inc.	204-376-5990
Arborg; Paterson Grain	204-376-5353
Arborg; S.S. Johnson Seeds Ltd.	204-376-5228
Arborg; Timchishen Seeds	204-641-1288
Arnaud; GJ Chemical Co. Ltd.	204-427-2337
Ashville; Intermountain Ag Supply	204-918-7582
Austin; Squirrel Creek Seeds	204-685-2376
Baldur; David Desrochers	204-535-2090
Baldur; Pembina Co-op	204-535-2598
Beausejour; Bangert Farms Ltd.	204-268-1268
Beausejour; Delmar Commodities Ltd.	204-268-9797
Beausejour; Nutrien Ag Solutions Inc.	204-268-3497
Beausejour; Beausejour Consumers Cooperative Ltd.	204-406-2522
Binscarth; Inland Seed Corp.	204-683-2316
Binscarth; Paterson Grain	204-532-2461
Boissevain; Armstrong Seeds	204-534-2566
Boissevain; Boissevain Select Seeds Ltd.	204-534-6846
Boissevain; Double Diamond Farm Supply	204-534-2427
Boissevain; Martens, Ben and John	204-534-6952
Brandon; A.E. McKenzie Co. ULC	204-571-7500
Brandon; Lindenberg Seed Ltd.	204-727-0575
Brandon; Richardson Pioneer	204-727-5353
Brandon; Wheat City Seeds Ltd.	204-727-3337
Brunkild; MK Agro Ltd.	204-736-4769
Brunkild; Richardson Pioneer	204-736-5000
Brunkild; SKT Farms Inc.	204-295-9756
Carberry; Nutrien Ag Solutions Inc.	204-834-2180
Carman; AGrow 360 Ltd.	204-745-1938
Carman; Bud McKnight Seeds Ltd.	204-745-2310
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Carman; Ulrich & Monika Menold Ltd.	204-745-2822
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Crystal City; Buchanan Seeds	204-825-7151
Cypress River; DSAG	204-729-5728
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Darlingford; MGM Seed & Service Ltd.	204-246-2119

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Dauphin; Cargill Ltd.	204-638-4033
Dauphin; Dauphin Consumers Co-op	204-622-6080
Dauphin; Dauphin Plains Seed Ltd.	204-638-7800
Dauphin; Fisher Seeds Ltd.	204-622-8800
Dauphin; Richardson Pioneer	204-622-6030
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Deloraine; Bolduc & Bell Farms	204-747-2913
Deloraine; Nutrien Ag Solutions Inc.	204-747-2877
Deloraine; Paterson Grain	204-747-2333
Domain; Manness Seed	204-736-2622
Domain; Pitura Seed Service	204-736-2849
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Dufrost; Catellier Seed Service Inc.	204-347-5588
Dugald; Parrish & Heimbecker Ltd. - Dugald	204-259-9600
Dugald; South East Seeds Inc.	204-371-2898
Elie; Dyck Forages and Grasses Ltd.	204-353-2885
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Elm Creek; Grey Seed Farm Ltd.	204-436-2352
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Fisher Branch; Interlake Agri Ltd.	204-372-6720
Fisher Branch; Interlake Forage Seeds Ltd.	204-372-6920
Fork River; Nutrien Ag Solutions Inc.	204-657-2366
Foxwarren; George Graham Seed Farms	204-773-6389
Foxwarren; West-Fox Farms	204-683-2247
Foxwarren; Westwarren Farms Inc.	204-683-2347
Gilbert Plains; Gilbert Plains Consumers Co-op	204-548-2099
Gilbert Plains; T & S Seeds	204-548-2805
Gladstone; Delmar Commodities Ltd.	204-385-2292
Gladstone; Nu Era Seeds Ltd.	204-385-2065
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Hamiota; Chappell Ag Solutions Inc.	204-764-2844
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Hamiota; Nutrien Ag Solutions Inc.	204-764-2111
Holland; Mylana Farms.....	204-526-2776
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Holland; Zeghers Canada.....	204-526-2145
Homewood; Agassiz Seed Farm Ltd.	204-745-6655
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Killarney; Paterson Grain	204-523-8936
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Killarney; Shur-Gro Farm Services Ltd.	204-523-5400
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Laurier; LaurEx Seeds Ltd.	204-447-2916
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MacGregor; Hulme Agra Products Inc.	204-685-2627
Manitou; Keen Seeds Ltd.	204-242-4074
Manitou; Sanders Seed Farm.....	204-242-4200
Marquette; Ag Advantage Ltd.	204-322-5351
Marquette; Prairie Roots Consumers Co-op Ltd.	204-375-6570
Mather; McLennan Farms Ltd.	204-529-2372
Medora; Vandaele Seeds Ltd.	204-665-2384
Melita; Cargill Ltd.	204-522-3221
Melita; Paterson Grain	204-522-3472
Miami; SJ Agronomy Services Inc.	204-435-2722
Miniota; Twin Valley Co-op - Miniota.....	204-567-3766
Miniota; Walker's Seed Service	204-567-3647
Minnedosa; Heritage Co-op 1997 Ltd.	204-867-2749
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Minto; Pembina Consumers Co-op Ltd.-Minto Agro.....	204-776-2353
Minto; Southern Seed.....	204-776-2333
Morden; Winkler Co-op.....	204-325-1658
Morden; Western Harvest Bean ULC.....	204-515-7331
Morris; Horizon Agro.....	204-746-2026
Morris; Red River Seeds Ltd.	204-746-4779
Morris; Tri-M Commodities Inc.	204-746-5316
Navin; James Farms Ltd.	204-222-8785
Neepawa; DSV Northstar	204-476-5241
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Neepawa; Neepawa - Gladstone Co-operative Ltd.	204-476-3431
Neepawa; Redfern Farm Services - Neepawa	204-476-2301
Nesbitt; Cargill Ltd.	204-824-4484
Newdale; Warehamdale Seeds Ltd.	204-849-2029
Niverville; Paterson Grain	204-388-6565
Niverville; Prairie Sky Crop Solutions.....	204-388-4303
Niverville; South East Seeds Inc.	204-371-2898
Notre Dame; Durand Seeds Inc.	204-248-2268
Notre Dame; Pembina Co-op	204-248-2331
Oak Bluff; Derek Erb Seeds Inc.	204-792-6744
Oak Bluff; Terraco.....	204-261-0731
Oak Lake; Gerlyn Acres Ltd.	204-855-3128
Oak River; Henry, J.S. & Son Ltd.	204-566-2422
Oakbank; Ag Advantage - Oakbank.....	204-444-5052
Oakbank; Willowdale Seeds.....	204-801-0659
Oakville; Intel Seed Ltd.....	204-267-7389
Oakville; Miller Agritec Seed Inc.	204-267-2363
Oakville; Shur-Gro Farm Services Ltd.	204-267-2701
Petersfield; Nutrien Ag Solutions Inc.	204-886-3100
Pilot Mound; Double Diamond Farm Supply	204-825-2429
Pilot Mound; Nutrien Ag Solutions Inc.	204-873-2059
Pilot Mound; Smith Family Seeds Ltd.	204-825-7810
Pilot Mound; Wallace Seeds.....	204-825-4543
Plum Coulee; Janzen Seeds Ltd.	204-829-7749
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Portage La Prairie; Pugh Seeds Ltd.	204-274-2179
Portage La Prairie; Sanderson, Garry.....	204-857-8406
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Reston; Avondale Seed Farm Ltd.....	204-877-3813
Reston; Nutrien Ag Solutions Inc.	204-877-3128
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Rivers; Redsper Enterprises Ltd.	204-328-5346
Roblin; G M Seed Cleaning.....	204-937-2739
Roblin; Parkway Consumers Co-operatives Limited	204-937-6402
Roland; Delmar Commodities Ltd.	204-343-2323
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Souris; Nutrien Ag Solutions Inc.	204-483-3860
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Souris; Synergy Seeds - Souris	204-441-8050
St. Andrews; Long Lake Farms Ltd.....	204-485-3907
St. Claude; R-Way Ag Ltd.	204-379-2582
St. Jean Baptiste; Nutrien Ag Solutions Inc.	204-758-3125
St. Joseph; AGT Foods Canada.....	204-737-2625
St. Joseph; Loewen Seeds Ltd.	204-324-7863
St. Joseph; Remillard Seed Farm.....	204-737-2376
St. Leon; Ferme Labossière Farms Inc.	204-744-2208
St. Léon; Pembina Co-op	204-744-2850
Stanley; Valleyfield Enterprises Ltd.	204-822-3853
Starbuck; Richardson Pioneer	204-735-2302
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Ste. Rose Du Lac; Gagnon Seeds Ltd.	204-447-2118
Steinbach; Clearview Consumers Coop Ltd.	204-346-2667
Steinbach; Marc Hutlet Seeds Ltd.	204-422-5805
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Stonewall; Unger Seed Farm Ltd.....	204-467-8630
Strathclair; Parrish & Heimbecker Ltd. - Glossop.....	204-365-5282
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Swan River; Oberlin Farms & Seed Service Ltd.	204-734-2292
Swan River; Richardson Pioneer	204-238-4237
Swan River; Swan Valley Co-op Agro	204-734-4208
Swan River; Swan Valley Seeds.....	204-734-2526
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		Purity & Germination	Disease	
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20/20 Seed Labs (Winnipeg) 3487 Pembina Hwy. Winnipeg, Manitoba R3V 1A4	Shari Lafreniere Tel: 1-877-420-2099 Fax: 1-888-900-1810 shari@2020seedlabs.ca	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XVI to XX	None	
Accu-Test Seed Lab Box 579 2nd Ave. E Rivers, Manitoba R0K 1X0	Dorothy Gerrard Tel: (204) 328-5313 Fax: (204) 328-7400 dgerrard@redsper.ca	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	None	<u>Pulses:</u> Anthracnose, Botrytis Vomitoxin, Ascochyta spp.
Integrity Seed Lab Ltd. 8040 Park Royale Way Winnipeg, Manitoba R3V 1L5	Glen Green Tel: (204) 774-1882 Fax: (204) 774-1881 info@integrityseedlab.com g.green@integrityseedlab.com	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	None	Herbicide tolerance testing in RR Canola and LL Canola and RR Soybeans <u>Cereals:</u> Vomitoxin
Saskatchewan				
AG Seed Lab Box 998 Carrot River, Saskatchewan S0E 0L0	Loretta Buhler Tel: (306) 768-3335 Fax: (306) 768-2169 agseedlab@sasktel.net	Purity and germination of all crop kinds in Grade Tables I to XX	Barley for True Loose Smut	<u>Cereals:</u> Fusarium. <u>Pulses:</u> Ascochyta, Anthracnose, Botrytus, Sclerotinia <u>Canola:</u> Blackleg, Alternaria, Sclerotinia
Discovery Seed Lab 450 Melville St. Saskatoon, Saskatchewan S7J 4M2	Shirley Baraniski Tel: (306) 249-4484 Fax: (306) 249-4434 sbaraniski@seedtesting.com	Purity and germination of all crop kinds in Grade Tables I to XI (except Orchardgrass) and XIII to XX	Barley for True Loose Smut	<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
London Seed Lab 147 Hodsman Road Regina, Saskatchewan S4N 5W5	Tej Prasad Tel: (306) 585-7333 Fax: (306) 585-7337 london.seeds@gmail.com	Purity and germination of all crop kinds in Grade Tables I to VII and XVIII	None	
Parkland Seed Lab 619 - 9th Avenue West Melville, Saskatchewan S0A 2P0	Mel Pitz Tel: (306) 508-0151 desireeprice76@gmail.com	Germination of all crop kinds in Grade Tables I to VII and XVIII	None	
Prairie Diagnostic Seed Lab Inc. 1105 Railway Ave. E Weyburn, Saskatchewan S4H 3H5	Bonnie Ernst 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	
Seed Solutions Seed Labs Inc. Box 1420 Swift Current, Saskatchewan S9H 3G6	Shanna Stolhandske-Dale Tel: (306) 741-9309 Fax: (306) 773-4460 seedsolutions@xplornet.com	Purity: none Germination: Crop kinds in Grade Tables I to VI	Barley for True Loose Smut	
Alberta				
20/20 Seed Labs Inc. (AB) 507-11th Ave Nisku, Alberta T9E 7N5	Carey Matthiessen Tel: (780) 955-3435 Fax: (780) 955-3428 carey@2020seedlabs.ca	Purity and germination of all crop kinds in Grade Tables I to XX	Barley for True Loose Smut	<u>Flax:</u> Trifid detection <u>Pulses:</u> Ascochyta spp.
SGS Canada Inc. (Sherwood Park) 280 Portage Close, Unit 310, Sherwood Park, Alberta T8H 2R6	Janek Bartel 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
SGS Canada Inc. (Grande Prairie) Suite C, 12803 - 100 St. Grande Prairie, Alberta T8V 4H	Michelle Krawetz Tel: 1-877-532-8889 Fax: (780) 513-0115 michele.kulba@sgs.com	Purity and germination of all crop kinds in Grade Tables I to XX	None	
Precision Seed Testing Box 210 Beaverlodge, Alberta T0H 0C0	Sherry Corvalan Tel: (780) 354-2259 Fax: (780) 354-8955 precisionseed@xplornet.com	Purity: Crop kinds in Grade Tables I to VI, VIII to XI (except orchardgrass), XII to XV. Germination: Crop kinds in Grade Tables I to XI (except orchardgrass) XIII to XV	None	<u>Cereals:</u> Fusarium, <u>Pulses:</u> Ascochyta spp. <u>Canola:</u> Blackleg
Seed Check Technologies Inc. 101, 5906 - 50th Street Leduc, Alberta T9E 0R6	Morgan Webb Tel: (780) 980-8324 Fax: (780) 980-8375 morgan@seedcheck.net	Purity and germination of all crop kinds in Grade Tables I to XX	Barley for True Loose Smut	Fusarium, Blackleg, Alternaria, Sclerotinia, Ascochyta, Anthracnose, Botrytis, Root rot, Dome test, Herbicide tolerance, 1000 Seed weight, Vigour, Tetrazolium, Moisture, Clearfield of Lentil.

*Source: Canadian Food Inspection Agency, September 27, 2022

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Accredited Seed Technologist

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 Cell: (204) 745-7577



Doug Heaman
 Virden, MB
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