



SEED MANITOBA 2016

**Variety Selection &
Growers Source Guide**

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The grower's list was prepared by CSGA and includes varieties eligible for sale in Canada and seed crops issued certificates as of October 28, 2015. CSGA assumes no responsibility for errors or omissions. The pedigreed class code is listed after the growers' phone number. (S=Select; F=Foundation; R=Registered; and C=Certified.)

Crops are sorted alphabetically by town and grower (or company) name within variety within crop kind. '®' indicates the variety is protected by Plant Breeder's Rights, PBR'78 and '®' protected by PBR'91.

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Supplement to the *Manitoba Co-operator* December 10, 2015



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Minister's Message



As the Minister of Agriculture, Food and Rural Development (MAFRD), I encourage you to explore the 2016 edition of *Seed Manitoba*. You will find the latest information on important crop variety attributes from disease tolerance to potential yield performance. As well, it introduces new varieties of oilseeds, cereals, speciality crops and forages to be grown throughout Manitoba.

This guide has been made possible by the combined efforts of many; those that manage research plots to provide variety performance data, and the Manitoba Crop Variety Evaluation Team. MAFRD is pleased to join our partners in the development of this important tool for planning of this year's cropping season. The post-registration variety performance testing that occurs annually in Manitoba is supported by the Manitoba Seed Growers Association, commodity groups, industry partners and MAFRD.

I have full confidence you will find value and guidance in this year's edition of *Seed Manitoba*. I wish you a prosperous 2016 growing season.

Honourable Ron Kostyshyn
Minister of Agriculture, Food and Rural Development

President's Message



The Manitoba Seed Growers' Association is once again proud to be associated with the 2016 edition of the Manitoba Seed Guide. *Seed Manitoba* is one of the most widely used research data bases for crop selection by farmers in Manitoba. The success of this publication results in part from the cooperative efforts of various industry related representatives and specialists who make up the Manitoba Crop Variety Evaluation Team (MCVET). On behalf of the MSGA, I would like to also recognize the combined efforts of Manitoba Agriculture Food and

Rural Development and the *Manitoba Co-operator*. The partnership between the Provincial government, The *Manitoba Co-operator* and the MSGA has spanned over 3 decades of Seed Guide publications, and this partnership remains strong and progressive with projects, either completed or currently underway, providing further resources to Manitoba Producers.

Changes to the way we do business as commercial producers and seed producers have occurred under UPOV'91 since the 2015 edition of *Seed Manitoba*, and I urge you, as a value chain member to get educated on your responsibilities as stewards of Canada's grain system. Everything you need to know about the new Plant Breeders' Rights regulations can be found within the 2016 *Seed Manitoba*.

As you use the variety trial results to decide which varieties are right for your operation remember that your local seed grower can often provide added, regional insight on how new varieties compare having grown them alongside the established varieties in the years of seed increase leading up to commercial release.

The board of the Manitoba Seed Growers' Association is proud to be a part of this publication, and it is our wish that as farmers are making important decisions for the 2015 growing season, the resources within this guide will be a critical source of information.

Eric McLean
President, Manitoba Seed Growers' Association

Thank you to MCVET Sponsors and Supporters in 2015

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

Manitoba Agriculture, Food and Rural Development	Alliance Seed Corporation
Manitoba Co-operator	CANTERRA SEEDS
Manitoba Seed Growers Association	FP Genetics
Manitoba Pulse & Soybean Growers	SeCan
	Winter Cereals Manitoba Inc.

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DL Seeds Inc.	University of Manitoba
ICMS Inc.	Westman Agricultural Diversification Organization
James Richardson International	
Kelburn Farms	
Murphy et al. Inc.	

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

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Syngenta Canada Inc. for providing seed treatment.



Welcome to *Seed Manitoba 2016*

by Anastasia Kubinec, Seed Manitoba editor, Manitoba Agriculture, Food and Rural Development

Welcome to *Seed Manitoba 2016*, the variety selection and growers' source guide for Manitoba producers. This guide is compliments of Manitoba Agriculture, Food and Rural Development, Manitoba Seed Growers' Association and the *Manitoba Co-operator*.

2015 was another interesting growing season. An earlier start/beautiful wide-open fall; but a late-May frost, strong winds and multiple hail events caused anxiety in following days. It was also the year where lodging tolerance showed up definitively in the field. The right scenario of rapid growth/stem elongation with heavy rain and winds caused numerous cereal, canola, flax and field pea crops to lodge, sometimes multiple times. We also saw some 'green-snap' occurring in corn, sunflower and dry beans, which was also a result of rapid stem elongation, wind or heavy rains and variety genetics.

Consider all traits

Yield potential is always top of mind when looking at the data. We get excited over the yields as well, but other traits need to be considered. Lodging tolerance is important in certain conditions, as a lodged crop can be more difficult to swath or harvest. Lodging at flowering/heading also can result in reduced yields, which many combine operators probably saw in fall 2015. Yields went down, moistures went up and rotor/cylinder speeds spiked while trying to get through those lodged spots.

See the 'Variety Description' tables for a full review of yield, height, maturity, lodging, disease resistance and specific quality attributes, such as protein, oil, test weight, etc. This information is developed through multi-site/year variety registration trials, unless otherwise specified.

As varieties become more commercially grown, some ratings such as disease tolerance can change as breeders and pathologists work

with MAFRD to better reflect commercial performance in the field, based on common disease races being found.

The MCVET trials reviewed by location provide yield and other important attributes depending on the crop type and give a good overview of what occurred in that location this year. The long-term or multi-location performance though, can identify performance consistency, which could be a better indicator of how the variety will perform under multiple environment or conditions. You can also see our online tool of Seed Interactive (www.seedinteractive.ca) to compare variety by specific years and locations comparisons.

The Manitoba Crop Variety Evaluation Team (MCVET) and commodity groups annually co-ordinate the testing and analysis of 15 to 20 crops types at over 20 locations. The varieties tested are entered by either the breeder or the company marketing the variety. On average, there are 7,000 plots being grown in the summer to feed information into the *Seed Manitoba* publication.

Changes in *Seed Manitoba 2016*

The largest change in *Seed Manitoba 2016* that you will see is the different Plant Breeders' Rights (PBR) symbols. Varieties that were pending or applied for PBR after February 27, 2015 will have PBR '91 status. Applications prior to the February 27, 2015 date, will retain the PBR '78 and status that we are used to.



In the cereal section, fall rye is back after a lapse in testing since 2009. The 2015 MCVET trials have included many new varieties, including Canada's first two hybrid cereals.

In winter wheat, stripe rust ratings have been added. In oat, there have been changes to crown rust resistance rating for some varieties due to a change in crown rust pathogen populations in Manitoba. With the change in populations and virulent reactions on varieties, changes needed to be made to reflect what is occurring in the field for impacted varieties.

In spring wheat, the Canada Western Interim Wheat class makes its first appearance in *Seed Manitoba*.

In the oilseed section, all soybeans will have the four-digit heat unit rating (e.g. 2450) completely removed, leaving the decimal maturity grouping (e.g. 00.6) that was introduced in *Seed Manitoba 2015*. Conventional soybeans will have the iron deficiency chlorosis (IDC) ratings added to registered varieties. Dauphin has been added as a site for the Western Canadian Soybean Trials.

Sunflower data returns to *Seed Manitoba 2016* after a more successful season of collecting data. The check variety for the canola performance trials has changed to 5440.

In the special crops section, buckwheat variety testing occurred again in 2015 after a one-year hiatus.

Seed Manitoba continues to be a collaborative effort between industry, government and producers to provide third-party variety performance information. Without the MCVET sponsors, supporters, site contractors and commodity groups that donate data, this publication would not be possible. Special thanks to Patti Rothenburger and Craig Linde of MAFRD who behind the scenes make the transition from organizing trials to data analysis and proofing run smoothly.

We hope you find the information contained in *Seed Manitoba* helpful while you determine your variety choices for the upcoming 2016 growing season.



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Nothing changes, *Except everything*

by Jennifer Seward, Manager, Manitoba Seed Growers Association

By the end of February 2016 Canadian farmers will have completed one year under the new amendments to the Plant Breeders' Rights Act. Most producers won't have noticed a difference in how they do business or how they treat the varieties they grow, as the impact of UPOV '91 on production practices hasn't yet trickled down to the farm gate.

Most of the varieties grown in 2015 were not covered by the new legislation, however, this will soon change. It is important that producers understand their role in the stewardship of new varieties under UPOV '91 to ensure continued investment in variety research and to avoid possible liability situations if those varieties aren't handled properly.

UPOV '91 legislation

When Bill C-18 was passed in February of 2015, proponents hailed the bill as a win-win scenario for all value chain stakeholders. The Canadian Seed Trade Association (CSTA) stated in its February 2015 news release that "Farmers will benefit from greater choice as they will have access to more varieties with a wider range of characteristics, including increased productivity and attributes for specific niche markets."

It didn't take long to see variety owners take advantage of the legislation and by April of 2015 the Plant Breeders' Rights Office listed three new PBR '91 wheat varieties, two new oat varieties and one new flax variety, representing interests from both the public and private plant-breeding sectors.

According to Anthony Parker, commissioner of the Plant Breeders' Rights Office, the increase in agricultural crop varieties seeking PBR protection actually started once Bill C-18 was tabled in Parliament. Prior to 2013, the PBR Office would receive approximately 80 new applications for agriculture varieties annually. As the bill moved through the last stages of the parliamentary process, the number jumped to 148 (2014).

This upward trend appears to be sustained. Since the new legislation amendments came into force on Feb. 27, 2015 the PBR Office has



received 87 new applications for agricultural crop varieties.

Parker notes that one of the more interesting aspects is the increase in diversity. "Not only are we seeing applications for the traditional crops such as canola, wheat, barley, and soybeans, but also peas, lentils, fababeans, chickpeas, hemp, mustard, flax and quinoa."

New partnerships

The plant-breeding industry seems to be showing some early signs that the PBR Act/UPOV '91 amendments are indeed stimulating investment in crop variety breeding and research in Canada. There have been several announcements since UPOV '91 was signed, indicating new partnerships and variety breeding efforts. Parker cites a few recent examples: "Bayer Crop Science announced investment in a wheat-breeding facility at Pike Lake, Sask. Canterra Seeds and

Limagrain have announced plans to bring foreign varieties here for testing/evaluation, as well as plans to invest in domestically bred cereal varieties (Limagrain Cereals Research Canada). Also plans of a joint partnership between Agriculture and Agri-Food Canada (AAFC), Canterra Seeds, and the Alberta Wheat Commission (AWC) to support Canada Prairie Spring Red (CPSR) wheat breeding was announced."

Parker goes on to say that "even though it is early days, the predictions we made about UPOV '91 seem to be coming true. New investments are being made, and new collaborative partnerships are forming." Parker firmly believes that "the real beneficiaries will be Canada's farmers; securing access to the newest and most innovative plant varieties, giving them greater choice, and improving their productivity, helping them remain competitive in a global marketplace."

You can still save seed

Under the previous PBR legislation (UPOV '78) producers were always able to save their own seed purchased from certified production, clean it, and grow it for subsequent years. Producers could be held liable if they sold their production to a neighbour or someone else who intended to crop that seed.

This hasn't changed under UPOV '91. You can still grow your own seed, clean it and plant it again in subsequent years. What does change under UPOV '91, however, is that a producer must go to greater effort to maintain records and provide evidence of a certified purchase from previous years. Also, the liability now rests with both the buyer and the seller. It is more important than ever to ensure your own use seed production has a "blue tag" proving your purchase of certified at some point — and keep your tag. Lorne Hadley, executive director of the Canadian Plant Technology Agency (CPTA) recommends keeping your blue tag evidencing your certified purchase for at least seven years, similar to the time you need to keep your tax records for Revenue Canada. That tag is your proof that you are not liable.

In cases when infringement is suspected, the number of people that a breeder or variety owner can investigate has increased under UPOV '91. According to Hadley, "the number of people that can be investigated has increased to the buyer, the seller, the grain dealer, or anyone involved within the chain of events leading to the infringement."

In cases where infringement is proven, Hadley goes on to say that legal issues would be heard in a civil court and if the purchase of illegal seed is proven "the award would be whatever the court decides as lost profit and a multiple of the royalties that the producer should have paid would be awarded to the plaintiff, as well as court fees of both the plaintiff and defendant. The court will apply two to three times the cost of the royalties of what the producer would have paid in the first place if the seed was purchased legitimately." Hadley notes that "nothing changes under UPOV '91 for people who do legitimate business."

The CPTA is currently asking all retailers to inform customers of variety status, if it is patent protected and which UPOV agreement it falls under. A variety can have PBR protection under either the '78 or the '91 UPOV Convention. This is important because the rules are different under the different Conventions. For instance, under UPOV '91 protection, PBR on varieties has increased to 20 years, previously 18 years under UPOV '78.

New for Seed Manitoba 2016

There are many resources available to the producer to determine the status on a particular variety. For many years now this guide has provided the logo for the UPOV '78 legislation beside the variety name. In the 2016 version, we are also including the UPOV '91 logo on those varieties that have received protection under UPOV '91.

CSTA has launched a new tool with assistance from the Canadian Food Inspection Agency's Variety Registration Office (VRO) and the Plant Breeders' Rights (PBR) Office. It's available in the library at <http://cdnseed.org/library/crop-kinds-database/>. The searchable database aims to help all value chain stakeholders easily identify PBR protection on crop varieties registered for sale in Canada. Users can search specifically by crop kind, variety name, and by the type of PBR protection (UPOV 1978 or UPOV 1991).

For more information on UPOV '91 and implications to the retailers, grain buyers and seed growers, go to www.pbrfacts.ca. This website has been developed by the CSTA and provides accurate, up-to-date information on all aspect of the legislation.



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High yield & high protein wheat: *Using on-farm-tests to achieve both*

by John Heard, Manitoba Agriculture, Food and Rural Development Soil Fertility Specialist

Manitoba farmers are growing new varieties of spring wheat with very high yield potential, often exceeding 80 bu./ac. and some field yields exceeding 100 bu./ac. These very high yields have brought some challenges in nitrogen management:

- Current nitrogen recommendations for spring wheat serve well for 65 bu./ac. yields, developed with trials conducted from 1989-2004. The economic-based nitrogen rate calculator is posted at: <http://www.gov.mb.ca/agriculture/crops/soil-fertility/nitrogen-rate-calculator.html>.
- Newer high-yielding wheat often produces lower protein, frequently below the thresholds (i.e. 13.5 per cent) that are accepted for milling wheat prices.
- The standard guideline of 2.5 lbs. of soil plus fertilizer N/bu. for milling wheat translates to a 200 lbs. N supply/ac. for 80-bu. crops. A very high rate, well exceeding traditional rates. This represents a large financial risk to growers, may lead to excessive lodging and risks of N losses to the environment (i.e. leaching and nitrous oxide emissions).
- Mid-season nitrogen applications may be considered a strategy for meeting yield and protein, but bring their own risks. Mid-season applications are dependent upon timely rainfall to prevent stranding at the soil surface. A method suggested by North Dakota researchers is post-anthesis N (PAN), involving a foliar application of UAN solution (28-0-0) at 30 lbs. N/ac., diluted 50:50 with water, applied approximately one week after flowering. Such applications risk leaf damage and previous research at AAFC Brandon showed little uptake through wheat leaves.

TRADITIONAL SMALL-PLOT RESEARCH TREATMENTS	ON-FARM TEST TREATMENTS
N Rates lb. N/ac. (soil & fertilizer N) Check 100 130 160 190 220	Farmer Base N rate Base N & 30 Base N & 60
N timings 130 Base N & 30 at stem elongation & 60 at stem elongation & 30 at flag leaf & 60 at flag leaf	Farmer Base N rate & PAN

Small-plot research

To address these issues, a combination of small-plot research and field-scale on-farm tests was co-ordinated with individual farmers, ag consultants, ag retailers and government extension and research staff. The strategy was to determine what rates of nitrogen were required to produce both high yield and protein, and whether in-season applications would achieve similar results with less N. Scouting tools such as leaf chlorophyll content, GreenSeeker NDVI, flag leaf N and aerial drones were employed to see if they could help a grower or adviser to decide whether a mid-season application was warranted.

Farmers are increasingly well armed to do field research. Through use of GPS, guidance systems, rate controllers, high-clearance sprayers, yield monitors and scaled grain carts, farmers can apply and collect valuable data. The important components that forge these resources into research is replication, random-

ization and discipline in following a research protocol.

The studies were done at seven research stations and 18 farm fields across Manitoba. Small-plot research allows the testing of multiple treatments, but the number of comparisons that can be done with field-scale strips are simply limited by size of equipment. So on-farm tests focused on either rate (farmers base N rate versus additional 30 lbs. N/ac. versus additional 60 lbs. N/ac.) at seeding or the post-anthesis (PAN) treatment on top of the base N rate. The “farmers base rate N” was the rate they used on the bulk of the field, according to past experience and/or recommendations that they followed. Strips were replicated three or four times depending on the farm co-operator. The table above compares the treatments applied in small-plot and in on-farm tests.

The targeted varieties were AAC Brandon and Prosper. Farmers applied the treatments

on their own using field-scale equipment (e.g. PAN treatment in Figure 1-2). Yields were measured with calibrated yield monitors and/or scaled grain carts (Figure 3).

Observations

After several frustrating years of watching Blue Bomber football, I have learned not to celebrate a victory after the first quarter. Likewise, much of this wheat yield and protein study remains to be played out, so no conclusions yet. But there are some “first-quarter” yield and protein statistics worth reporting.

In general wheat yields were respectable, averaging 71 bu./ac., but were not as high as many of the growers had come to expect based on previous years experience. Conversely, wheat protein levels achieved with Base N rates were good, averaging 14.1 per cent. With spring wheat, a general thumb rule of 13.2 per cent protein indicates nitrogen sufficiency for yield. If protein levels are less than 13.2 per cent, then the N supply was insufficient for the available yield potential that year. This year, only one farm had base N rate protein below this benchmark level.

We can speculate on the conditions that resulted in less-than-expected yields: the late-spring frost and severe lodging of some fields in early July and the high temperatures during flowering. The high protein resulted from these yield levels and some higher base N rates. The highest base N rate was some 170 lbs. N/ac.

The addition of 30 and 60 lbs. N/ac. above the farmers base N rate had no significant impact on yield or protein. The average base N rate yield was 70 bu./ac. with protein of 14.7 per cent, with additional fertilizer only budging up average yield by 2.0 bu./ac. and protein by 0.3 percentage points.

Early July was very hot and humid, and the PAN application caused severe leaf burn on most farms (Figure 4). Most farmers applied the treatment in the evening or early morning and flag leaf area tissue damage averaged 15 per cent, but at one site flag leaf damage was 32 per cent when the application was made in the heat of mid-afternoon. On average the effect on yield was very slight, a 1.7 bu./ac. reduction, but was 6.0 bu./ac. in the severe case noted above.

The PAN treatment increased grain protein some 0.5 percentage points. When base N rates produced lower protein, the increase was significant with a 0.9 to 1.5 per cent protein increase, but when base N levels produced protein above 14 per cent there was little additional benefit.

Stay tuned! Much of this wheat yield and protein story is yet to be played out. More years of such on-farm tests with similar protocols and pooled results will allow development of prob-



Figure 1 and 2.
Post-anthesis N application
(top) and the application
map (left)



Figure 3. Strip harvesting

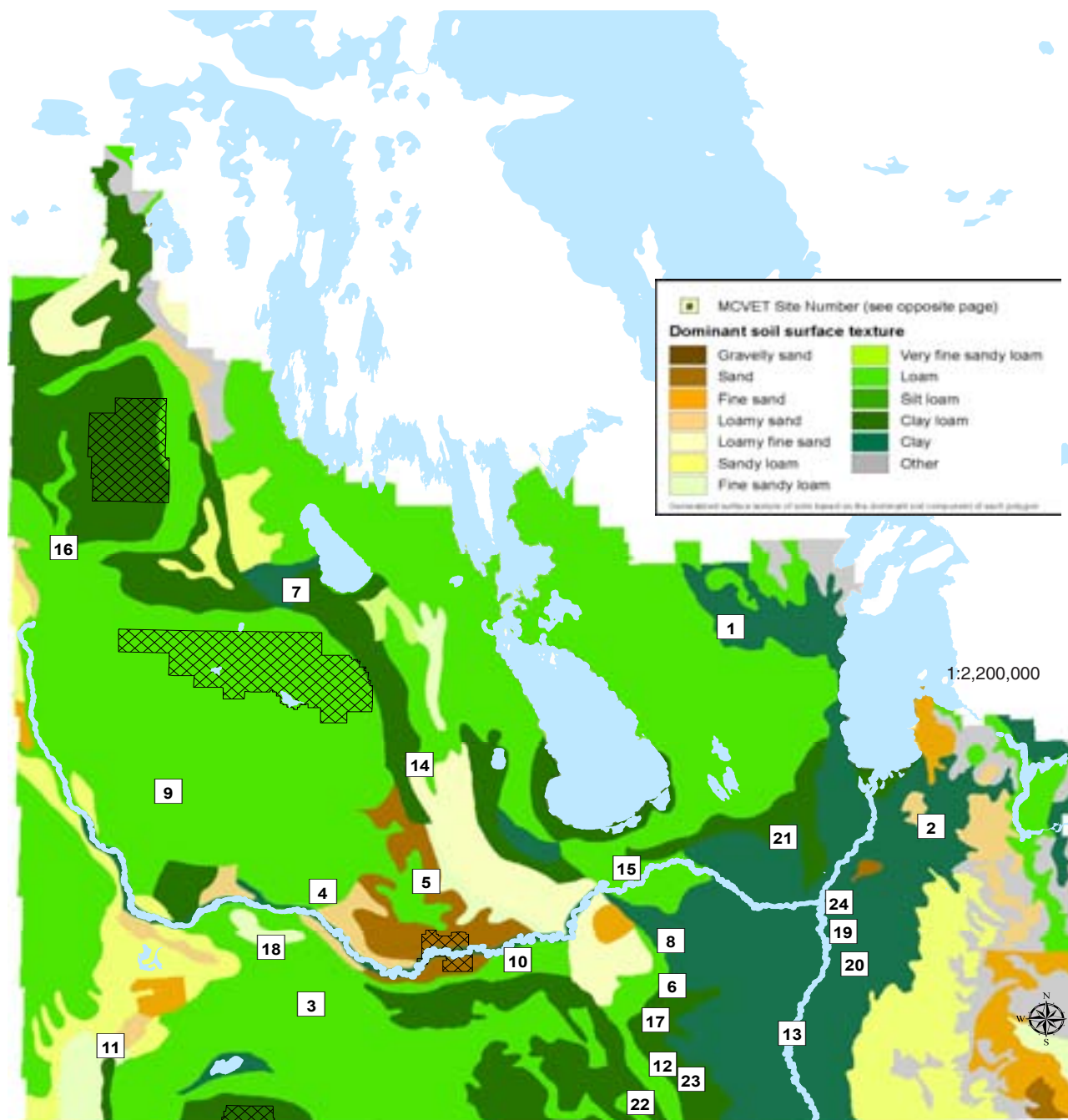
abilities of protein response to such in-season applications.

The Manitoba Wheat and Barley Growers Association will assist in co-ordinating and funding such small-plot and field-scale research in coming years. Other contributors this past year included: farmer co-operators, Richardson (for protein analysis), Farmers Edge Laboratories, KOCH Fertilizers, 5 MAFRD research sites, Portage AAFC and Kelburn Research Farm.



Figure 4. Flag leaf injury from PAN treatment

2015 LOCATIONS OF VARIETY EVALUATION TRIALS



Site Location	Crops Tested	Contractor(s)	Soil Texture	Internal Soil Drainage	Precipitation ¹		Growing Degree Days ¹		Weather Station Used
					Actual (mm)	% of Normal	Actual	% of Normal	
1 Arborg	Spring Wheat, Oats, Barley, Industrial Hemp, Soybean, Fababean, Buckwheat, Silage Corn	PESAI, S.S. Johnson Seeds Ltd.	clay	imperfect	342	104%	1670	113%	MAFRD Arborg
2 Beausejour	Spring Wheat, Oats, Barley, Soybean, Buckwheat	PESAI	clay loam	imperfect	456	126%	1783	104%	MAFRD Selkirk
3 Boissevain	Spring Wheat, Winter Wheat, Durum Wheat, Oats, Barley, Fall Rye, Soybean, Peas	Ag-Quest Inc.	loamy	imperfect	245	79%	1818	108%	MAFRD Boissevain
4 Brandon	Spring Wheat, Oats	Agriculture & Agri-Food Canada	clay loam	well	260	81%	1653	108%	MAFRD Brandon
5 Carberry	Industrial Hemp, Buckwheat	CMCDC	clay loam	well	371	116%	1679	109%	EC Carberry
6 Carman	Winter Wheat, Fall Rye, Soybean, Edible Bean, Grain Corn	University of Manitoba, Ag-Quest Inc.	loam	imperfect	376	113%	1772	105%	EC Carman
7 Dauphin	Spring Wheat, Buckwheat	Ag-Quest Inc.	silty clay loam	imperfect	200	57%	1699	112%	EC Dauphin
8 Elm Creek	Silage Corn, Sunflowers	Ag-Quest Inc.	coarse loam	imperfect	318	96%	1892	112%	MAFRD Elm Creek
9 Hamiota	Spring Wheat, Winter Wheat, Oats, Barley, Fall Rye, Flax, Peas, Soybean, Lentil	Ag-Quest Inc.	clay loam	well	378	133%	1667	109%	MAFRD Hamiota
10 Holland	Sunflowers	Ag-Quest Inc.	clay loam	well	363	112%	1864	111%	MAFRD Treherne
11 Melita	Spring Wheat, Winter Wheat, Durum Wheat, Oats, Barley, Fall Rye, Soybean, Lentil, Peas, Sunflowers, Buckwheat	WADO	loamy	imperfect	431	145%	1808	107%	MAFRD/WADO Melita South
12 Morden	Flax, Soybean, Edible Bean, Grain Corn	Agriculture & Agri-Food Canada	clay loam	well	303	90%	1945	109%	EC Morden
13 Morris	Soybean		heavy clay	imperfect	459	139%	1845	108%	MAFRD Morris
14 Neepawa	Spring Wheat	Syngenta	clay loam	well	371	116%	1679	109%	MAFRD Minnedosa
15 Portage	Spring Wheat, Winter Wheat, Barley, Fall Rye, Soybean, Edible Bean	CROP/ICMS	sandy loam	imperfect	396	119%	1855	109%	MAFRD Portage East
16 Roblin	Oats, Barley, Fall Rye, Flax, Industrial Hemp, Soybean	PCDF	loamy	well	272	78%	1521	105%	29-25-28W
17 Rosebank	Spring Wheat, Barley, Fall Rye, Soybean	Crop Production Services	loam	imperfect	303	90%	1945	109%	EC Morden
18 Souris	Durum Wheat, Barley	Syngenta			247	78%	1744	114%	MAFRD Souris
19 St. Adolphe	Spring Wheat, Oats, Barley, Soybean	Murphy et al. Inc.	heavy clay	imperfect	453	131%	1900	113%	MAFRD St. Adolphe
20 St. Pierre	Grain Corn, Silage Corn				557	179%	1887	115%	MAFRD St. Pierre
21 Stonewall	Spring Wheat, Oats, Barley, Flax	PESAI	clay	imperfect	424	126%	1769	107%	MAFRD Woodlands
22 Thornhill	Spring Wheat, Oats, Barley, Peas	ICMS/ DL Seeds	loamy	well	303	90%	1945	109%	EC Morden
23 Winkler	Edible Bean	AAFC	sandy loam	well	421	125%	1911	107%	MAFRD Winkler
24 Winnipeg	Winter Wheat, Fall Rye	University of Manitoba	silty clay	imperfect	382	110%	1803	108%	EC Winnipeg Airport

¹ Weather data is reported from May 1st to October 4th and reflects the percentage of the normal accumulations as calculated using the long-term average for the past 30 years.

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

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

Any questions related to the sites found in Seed Manitoba 2016 can be directed to the individuals listed below:

For Canola please contact Anastasia Kubinec at (204) 750-2717 or e-mail anastasia.kubinec@gov.mb.ca.

For Grain Corn, please contact Pam de Rocquigny at (204) 750-1584 or e-mail pamela.derocquigny@gov.mb.ca

For all remaining crop types, please contact Craig Linde at (204) 841-4712 or e-mail craig.linde@gov.mb.ca

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syngenta®

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SY4114	SY4105	

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Variety Description Key

A grey box has been placed at the bottom of each table that displays the Grand Mean for both Yield (bu/acre) and Protein (%) and the corresponding LSD value ($p < 0.05$).

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 MVET plots harvested from 2000 to 2015, while protein is from 2002 to 2015. 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 2015 Yield and Protein Tables

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

Data collected from Portage is not presented as an individual site but data is included in the long term yield and protein columns in the Variety Description table.

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

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

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

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New for 2016

Variety	Type	Code	Breeder	Distributor	Seed Availability
CDC Bow [®]	Malting - 2 Row	TR11127	Crop Development Centre	SeCan	—

Varieties that have been supported for registration

Malting - 2 Row	TR10214	AAFC - Brandon
Malting - 2 Row	TR12135	Crop Development Centre
Food and Feed - 2 Row	TR11698	Alberta Agriculture and Forestry
Food and Feed - 2 Row	TR12733	Highland Specialty Grains
Food and Feed - 2 Row	TR12735	Highland Specialty Grains
Food and Feed - 2 Row	TR13740 [®]	Highland Specialty Grains

Comments:

Seed of the new variety **Canmore[®]** will be commercially available for seeding in Spring 2016.

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 **"Recommended Malting Barley Varieties 2016/17"**. The category of **"Malting: Other"** includes varieties not currently recommended by the CMBTC but markets may exist.

Canmore[®] is being evaluated for use in value added end use markets.

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

The hulless varieties **CDC Clear[®]** and **Taylor[®]** are malting types.

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

Forage yields of some varieties are listed in the Forage Crops section of Seed Manitoba 2016.

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2014 Registration Testing Data

- ✓ **1.4% Less Protein than Glenn**
- ✓ **FHB Resistance - Intermediate**
- ✓ **MR to Leaf & Stem Rust**
- ✓ **Lodging - Midrange**
- ✓ **Similar Maturity to Glenn**
- ✓ **Semi Dwarf - 1" shorter than Glenn**
- ✓ **Awne Variety**



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BARLEY (continued)

Variety Descriptions

Category / Variety ¹	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 88 days	Height +/- 35 inches	Test Wt +/- 48.7 lb/bu	Rough or Smooth Awns	Resistance Level:										Fusarium ³ Head Blight
								Lodging	Loose Smut	Surface -borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem ² Rust			
Malting: Acceptance - Recommended																		
AAC Synergy (2)☼	31	106	12.1	0	-1	-0.4	R	G	S	I	I	MR	R	R	MR	MS		
AC Metcalfe (2)☼	153	93	12.8	0	0	0	R	F	R	I	I	S	I	I	MR	I		
Bentley (2)☼	41	99	12.4	0	2	-0.8	R	G	MS	MR	I	MS	R	I	MR	MS		
CDC Copeland (2)☼	61	94	12.5	0	2	-0.5	R	F	MS	I	I	I	I	S	MR	I		
CDC Kindersley (2)☼	34	99	12.6	-1	-1	0	R	G	S	R	I	MS	MR	I	MR	I		
CDC Meredith (2)☼	42	99	12.4	2	-1	-2.1	R	F	R	MR	I	MS	R	MS	MR	I		
CDC Polarstar (2)☼	20	94	12.7	-1	0	-0.6	R	F	S	R	MS	S	MR	MS	S	MR		
Celebration (6W)☼	35	100	13.4	-1	2	0	S	G	R	R	MS	S	MR	MR	I	MS		
LEGACY (6W)	36	101	13.0	-2	3	0	S	F	I	MR	MR	S	MR	MR	MR	MS		
Merit 57 (2)☼	39	99	12.4	3	-1	-1.9	R	F	S	I	MR	MS	R	MS	I	MS		
Newdale (2)☼	61	104	12.6	0	-1	-0.5	R	F	S	MR	MR	I	MR	I	MR	I		
Tradition (6W)	59	101	12.9	2	4	0.8	S	F	S	MR	MR	S	I	MR	MR	S		
Malting: Other																		
CDC Bow (2)☼	18	96	12.0	1	1	0.5	R	G	S	I	MS	S	MR	I	MR	MS		
CDC PlatinumStar (2)☼	17	94	12.1	0	1	-0.5	R	F	S	R	S	I	MR	S	I	MR		
Cerveza (2)☼	36	106	12.4	1	-2	-1.4	R	F	R	R	I	MS	MR	R	MR	I		
Lacey (6W)	41	100	13.1	1	2	-0.7	S	G	I	MR	MR	S	I	MR	MR	S		
Major (2)☼	35	104	12.5	0	-1	-0.7	R	G	R	MR	MS	I	MR	MR	MR	I		
Stellar-ND (6W)☼	32	96	12.7	-2	2	0	R	G	MR	R	MS	S	I	MR	I	I		
Food and Feed																		
AC Ranger (6F)	38	104	12.5	1	-3	0.1	S	G	MS	I	MR	I	MR	MR	MR	S		
Amisk (6)☼	29	110	12.6	1	0	-2.3	SS	VG	S	MS	MS	I	MR	MR	MR	S		
Brahma (2)☼	36	104	12.3	0	-2	0.5	R	G	MS	R	MR	S	I	S	MR	I		
Breton (6F)☼	30	100	12.3	0	-2	0.8	S	G	MS	MR	I	I	MR	MR	MR	S		
Canmore (2)☼	29	103	12.4	1	0	0.7	R	G	R	R	I	MS	MR	I	MS	I		
CDC Austenson (2)☼	41	110	12.1	1	0	0.5	R	G	S	R	I	MS	R	MR	I	I		
CDC Coalition (2)☼	39	101	12.3	1	2	0.8	R	VG	R	MR	I	S	MR	I	MR	I		
CDC Cowboy (2F)☼	50	92	13.1	1	6	1.3	R	G	MS	MR	I	I	MR	I	MR	MR		
CDC Helgason (2)☼	33	99	12.3	-1	0	0.8	R	G	R	MR	I	MR	MR	I	I	MS		
CDC Maverick (2F)☼	29	90	13.4	1	4	5.4	S	F	S	R	I	I	MR	I	MR	MR		
CDC Mindon (2)☼	56	92	12.8	1	-1	0.3	R	G	R	R	—	S	MR	I	I	MR		
CDC YORKTON (6W)	22	105	12.7	0	5	-3	S	G	MS	MR	MR	I	MR	MR	MR	S		
Champion (2)☼	44	107	12.3	0	0	0.8	R	G	S	R	—	S	I	MS	I	I		
Chigwell (6)☼	41	98	12.3	0	0	-1.6	S	G	MS	R	S	I	MR	MR	S	S		
CONLON (2)☼	87	90	12.7	-1	-1	0.8	S	G	I	I	I	I	MR	S	MR	MR		
Desperado (6F)☼	44	102	12.6	1	2	2.5	S	G	MS	R	MR	S	MR	MR	MR	S		
Gadsby (2)☼	29	96	12.9	0	3	0.1	R	F	R	R	I	MS	MR	S	MR	I		
Muskwa (6)☼	30	101	12.6	0	-5	1.3	S	G	MS	R	MS	MS	MR	I	MR	S		
Sundre (6)☼	5	89	12.6	—	—	—	S	G	MS	R	MS	MS	I	I	I	S		
Hulless																		
CDC Carter (2)☼	35	88	13.2	1	0	8	R	F	R	R	S	I	MR	I	I	I		
CDC Clear (2)☼	29	92	12.5	2	2	9	R	F	R	R	I	MS	R	I	MR	MR		
Taylor (2)☼	28	78	12.9	0	0	8	R	G	R	I	MS	MS	MR	I	MR	MR		
Varieties that have been supported for registration																		
Malting: Other																		
TR10214 (2)	29	102	12.5	1	1	-0.4	R	F	S	I	S	I	R	I	MR	MR		
TR12135 (2)	6	99	12.2	1	0	-0.7	R	G	R	MR	MS	MR	MR	MR	MR	I		
Food and Feed																		
TR13740 (2)☼	6	101	12.4	0	-2	0.7	—	G	MR	MR	MR	S	I	MS	MR	I		
TR11698 (2)	16	98	12.5	1	0	-0.3	R	F	R	MR	I	MS	R	I	S	MS		
TR12733 (2)	18	108	12.1	0	0	-0.2	R	G	S	R	I	S	I	I	MR	I		
TR12735 (2)	18	105	11.9	2	-5	0.2	R	G	S	R	I	S	MR	I	I	S		
GRAND MEAN		100	12.7															
LSD (0.05)		4	0.3															

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

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

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

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BARLEY (continued)

Yield Comparisons

Variety	2015 Yield (bu/acre)											
	Arborg	Beausejour	Boissevain	Dauphin	Hamiota	Melita	Roblin	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Malting												
AC Metcalfe☼	109	52	119	127	92	114	76	93	151	89	86	151
CDC Bow☼	107	42	123	125	110	125	78	97	180	91	92	151
CDC PlatinumStar☼	99	34	118	—	98	124	81	103	145	116	89	147
Food and Feed												
Amisk☼	120	73	147	158	114	127	87	122	176	112	105	172
Canmore☼	117	64	117	126	104	124	82	112	161	112	94	158
CDC Maverick☼	95	47	105	95	81	111	85	74	165	84	84	134
Varieties that have been supported for registration												
Malting												
TR10214	116	56	124	136	92	128	90	94	172	100	89	153
TR12135	102	—	120	131	116	—	83	—	—	—	—	157
Food and Feed												
TR11698	112	47	125	—	102	121	—	96	170	94	96	152
TR12733	135	51	144	140	110	137	89	105	178	112	104	150
TR12735	126	50	129	119	111	127	91	103	178	98	97	160
TR13740☼	114	—	132	121	124	—	83	—	—	—	—	144
SITE GRAND MEAN (bu/acre)	113	52	125	128	104	124	84	100	167	101	95	152
CV %	6.3	11.6	6.8	6.9	8.0	3.9	6.4	9.4	6.6	5.6	4.5	7.1
LSD (bu/acre)	12	10	14	20	14	8	9	16	19	10	7	—
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Seeding Date	13-May	27-May	05-May	10-May	08-May	01-May	14-May	05-May	15-May	30-Apr	25-Apr	12-May
Harvest Date	20-Aug	23-Sep	27-Aug	28-Aug	02-Sep	04-Aug	01-Sep	12-Aug	28-Aug	20-Aug	19-Aug	18-Aug

Protein Comparisons

Variety	2015 Protein (%)											
	Arborg	Beausejour	Boissevain	Dauphin	Hamiota	Melita	Roblin	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Malting												
AC Metcalfe☼	12.6	15.0	13.1	13.2	14.2	12.6	13.5	14.2	—	13.3	12.6	13.0
CDC Bow☼	11.7	13.9	12.3	12.2	12.8	12.1	12.2	13.1	—	12.3	12.4	12.0
CDC PlatinumStar☼	12.4	14.4	12.6	—	13.9	11.3	12.4	12.7	—	11.9	12.5	12.9
Food and Feed												
Amisk☼	13.3	14.5	12.5	12.4	13.1	11.9	14.6	12.8	—	13.2	12.5	13.2
Canmore☼	13.0	15.3	12.7	12.1	13.4	11.6	12.7	13.2	—	12.6	11.9	13.0
CDC Maverick☼	13.3	15.9	13.8	13.7	14.6	13.9	14.0	15.1	—	14.0	13.7	14.6
Varieties that have been supported for registration												
Malting												
TR10214	12.2	14.9	13.0	12.6	14.0	12.2	13.1	13.9	—	12.7	12.6	13.8
TR12135	12.4	—	12.0	12.0	13.1	—	12.6	—	—	—	—	13.1
Food and Feed												
TR11698	12.2	15.7	12.4	—	13.4	11.3	—	14.6	—	13.1	12.3	13.6
TR12733	11.7	14.8	11.5	12.1	12.7	11.9	12.7	13.8	—	12.1	12.3	13.1
TR12735	12.0	13.6	11.2	12.6	12.6	12.1	13.2	11.6	—	12.4	12.1	12.3
TR13740☼	12.3	—	12.1	12.2	13.2	—	13.4	—	—	—	—	13.4
SITE GRAND MEAN (%)	12.4	14.8	12.4	12.5	13.4	12.1	13.1	13.5	—	12.8	12.5	13.2

2016-17 Canadian Malting Barley Technical Centre Recommendations

The following varieties of two-row and six-row malting barley are registered with the Canadian Food Inspection Agency based on good agronomic and industry malting quality evaluations. Since registration these varieties have been pilot scale tested by the CMBTC and all exhibit good malting and brewing properties. In addition to market opportunities, seeding decisions should be based on agronomic considerations and feedback from your grain company representative, local elevator operators or malting companies. The CMBTC and its members recommend that you talk with your local malting barley buyer about opportunities in your area to grow and market two-row and six-row malting barley varieties. Visit CMBTCs website for detailed pilot malting and brewing data. <http://www.cmbtc.com>

Two-Row Varieties

VARIETY	SOURCE ¹	MARKET COMMENTS
CDC Copeland	1	Established Demand
AC Metcalfe	1	Established Demand
Merit 57	2	Limited Demand
Bentley	2	Limited Demand
CDC Meredith	1	Limited Demand
CDC PolarStar	2	Limited Demand
Newdale	4	Limited Demand
AAC Synergy	5	Under Commercial Market Development – Growing Demand
CDC Kindersley	1	Under Commercial Market Development – Growing Demand

Some two-row varieties are exclusively or primarily handled by one company and as a result it is recommended that producers consult with their grain company representative, local elevator operators or malting companies regarding commercial opportunities for specific varieties. For Bentley contracting opportunities contact Canada Malting Company. For CDC PolarStar contracting opportunities contact Prairie Malt-Cargill. For Merit 57 contracting opportunities contact BARI-Canada. For Newdale contracting opportunities, contact Canada Malting Company or North American Food Ingredients.

Six-Row Varieties

VARIETY	SOURCE ¹	MARKET COMMENTS
Legacy	3,4	Limited Demand
Tradition	4	Limited Demand
Celebration	2	Limited Demand

Demand for six-row malting barley has been declining and it is recommended that producers consult with their grain company representative, local elevator operators or malting companies regarding commercial opportunities for specific varieties.

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

1-SeCan; 2 - CANTERRA SEEDS; 3 - Crop Production Services; 4 - FP Genetics; 5 - Syngenta

CMBTC Members: Prairie Malt-Cargill, Public Barley Breeders, Richardson International, Viterra, Canadian Grain Commission, ADM-Benson Quinn, Manitoba Liquor & Lotteries, Molson Coors, SeCan, Syngenta, Tsingtao Brewery, Alberta Barley Commission, CANTERRA SEEDS, Farmery Estate Brewery, Hailar MDL Beer Material, Alberta Agriculture and Rural Development, Manitoba Agriculture, Food and Rural Development, New Glarus Brewing, North American Food Ingredients, Saskatchewan Ministry of Agriculture, FP Genetics, Integrated Grain, Saskatchewan Barley Development Commission and G3 Canada Limited.

Other organizations providing input to this list: The Brewing & Malting Barley Research Institute and BARI-Canada.”

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OATS

New for 2016

Variety	Code	Breeder	Distributor	Seed Availability
AAC Nicolas	OA1331-5	AAFC - Ottawa	SeCan	2017
Akina	CFA1112	Lantmännen SW Seed AB	La Coop Federee	—
CDC Norseman	OT3066	Crop Development Centre	SeCan	2018
Kara	CFA1102	Lantmännen SW Seed AB	La Coop Federee	—

Comments:

Seed of the new variety **CS Camden** will be commercially available for seeding in Spring 2016.

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

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

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

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

The variety **Stride** appears to have improved resistance to Fusarium Head Blight, based on lower DON accumulation, in comparison with other recently registered varieties.

The variety **CDC Haymaker** is a forage oat variety. Forage yields of some oat varieties are listed in the Forage Crops section.

Variety Descriptions

Variety ¹	Site Years Tested	Yield bu/acre	Maturity +/- 96 days	Height +/- 33 inches	Test Wt +/- 39.3 lb/bu	Hull %	Hull Colour	Resistance Level:				
								Lodging	Smut	Crown Rust	Stem ² Rust	BYD ³
AAC Justice	29	145	0	2	0.5	22.8	White	G	R	I	I	I
AAC Nicolas	5	137	-3	6	0.5	24.2	White	G	R	MR	S	—
AC Morgan	36	137	-1	6	-1.0	25.2	White	G	I	S	S	MS
Akina	5	148	-4	0	0.8	25.6	Tan	G	R	R	—	—
Bia	17	142	-4	4	-0.2	25.8	White	G	—	S	—	—
Bradley	30	134	2	3	—	—	White	G	R	MS	MS	MS
CDC Big Brown	42	136	-1	1	0	20.4	Tan	G	R	R	MS	MS
CDC Dancer	62	129	-3	5	0.5	19.6	White	G	R	I	I	MS
CDC Haymaker (F)	29	118	2	10	-1.0	22.0	White	G	MR	S	S	—
CDC Minstrel	40	138	0	3	-0.2	22.3	White	VG	R	MS	I	MS
CDC Morrison	5	129	-2	-1	-1.0	24.4	White	VG	R	MS	I	I
CDC Norseman	14	144	-3	2	-1.0	20.5	White	G	MS	MR	S	I
CDC ProFi	39	123	-3	1	-1.0	20.0	White	G	MS	S	I	MS
CDC Ruffian	31	146	0	0	-0.8	20.5	White	G	R	I	S	S
CDC Seabiscuit	34	136	0	6	-0.5	20.1	White	G	MR	S	I	S
CS Camden	16	153	2	0	-1.5	21.1	White	VG	I	MS	S	S
Furlong	95	129	-1	8	0.5	20.3	Tan	G	R	S	I	MR
HiFi	64	138	-3	6	0	24.7	White	G	MS	I	I	MR
Jordan	52	139	2	3	-2.0	23.6	White	VG	R	I	I	MR
Kara	5	150	-3	-1	1.6	26.3	White	G	MR	MR	—	—
Leggett	127	136	0	0	0	23.0	White	G	R	R	I	MS
Nice	17	139	-3	4	1	25.4	White	G	—	MS	—	—
Pinnacle	68	146	3	4	-1.2	23.7	White	G	R	S	I	MS
Ronald	84	128	0	1	0	22.1	White	VG	R	S	I	MR
Souris	60	135	-4	0	0.5	20.9	White	G	R	MS	MR	MS
Stainless	25	131	-3	5	-0.5	22.4	Light Grey	G	R	I	MR	MR
Stride	38	135	-2	5	0.6	23.7	White	VG	R	R	I	I
Summit	42	141	0	-1	0.5	20.8	White	G	R	I	I	I
Triactor	43	154	-1	3	-1.5	22.1	White	VG	I	MR	S	MS
GRAND MEAN (bu/acre)		139										
LSD (bu/acre) (0.05)		9										

1 The letter 'F' indicates a forage type.

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

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

Yield Comparisons

Variety	2015 Yield (bu/acre)								
	Arborg	Beausejour	Boisevain	Hamiota	Melita	Roblin	St. Adolphe	Stonewall	Thornhill
AAC Justice☉	125	117	201	200	154	136	203	105	190
AAC Nicolas☉	170	—	172	145	—	140	—	—	193
Akina☉	186	—	199	173	—	141	—	—	202
Bia☉	151	129	170	190	158	142	174	113	200
CDC Haymaker☉	118	103	174	174	105	112	138	98	134
CDC Norseman☉	159	145	179	153	171	129	201	102	207
CS Camden☉	181	139	199	172	168	143	213	113	207
Kara☉	174	—	192	188	—	149	—	—	205
Leggett☉	152	108	158	178	149	120	174	117	177
Nice	170	134	174	159	152	133	188	107	198
SITE GRAND MEAN (bu/acre)	159	125	182	173	151	133	184	108	191
CV %	9.6	7.6	6.3	5.1	6.2	3.8	3.6	5.2	9.5
LSD (bu/acre)	26	17	20	15	17	8	12	10	31
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	13-May	27-May	05-May	08-May	01-May	15-May	30-Apr	25-Apr	04-Jun
Harvest Date	11-Sep	14-Sep	10-Sep	10-Sep	10-Aug	10-Sep	20-Aug	19-Aug	27-Aug

HULLESS OATS

Comments:

Hulless oats were last tested in 2008.

GEHL ☉ is the first bald hulless oat variety as it does not have surface-borne hairs (trichomes). **GEHL** ☉ also has improved hulless expression. The yield of hulless oats is less than that of common oats in which the hull is part of the yield. Hulless oats should be stored at <12% moisture. Hulless oats are a specialty product for which a market should be ensured prior to planting.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Days to Maturity +/- Check	Height +/- Check	Test Weight +/- Check	Resistance Level:				
						Lodging	Smut	Crown Rust	Stem ¹ Rust	BYD ²
AC Belmont	80	3	0	-5	1.1	G	R	S	I	MS
AC Gwen	82	3	2	-2	5.2	VG	R	S	I	I
Furlong☉	100	3	0	0	0	G	R	S	I	MR
GEHL	62	3	-2	-3	9.8	G	R	S	MS	S
Navan	70	3	-3	-3	5.0	G	—	S	—	I
CHECK CHARACTERISTICS										
Furlong☉	4780	3	95	41	39.8					
	lbs/acre	site years	days	inches	lb/bu					

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

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

SPRING WHEAT

New for 2016

Variety	Class	Code	Breeder	Distributor	Seed Availability
CDC Bradwell	CWRS	BW472	Crop Development Centre	SeCan	2017
AAC Jatharia VB	CWRS	BW483	AAFC - Brandon	SeCan	2017
AAC Cameron VB	CWRS	BW485	AAFC - Brandon	CANTERRA SEEDS	2017
AAC Connery	CWRS	PT245	AAFC - Swift Current	CANTERRA SEEDS	2016 (Limited Supply)
AAC Crusader	CPSR	HY1603	AAFC - Brandon	CANTERRA SEEDS	2017
AAC Foray VB	CPSR	HY1610	AAFC - Brandon	SeCan	2016
AAC Indus	CWSWS	SWS427	AAFC - Lethbridge	SeCan	2018
Elgin ND	CWIW	2014-11; SD 13-1	North Dakota State University	FP Genetics	2016
Faller	CWIW	HY2015	North Dakota State University	Seed Depot	2016
Prosper	CWIW	HY2016	North Dakota State University	Seed Depot	2016

Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission

AAC Tradition	—	BW487	AAFC - Brandon	SeCan	—
		BW479	Syngenta Canada Inc.		
		BW496	Syngenta Canada Inc.		
		BW963	AAFC - Swift Current		
		BW965	AAFC - Swift Current		
		BW966	AAFC - Swift Current		
		PT472	AAFC - Brandon		
		PT474	AAFC - Brandon		
		PT637	Syngenta Canada Inc.		
		HY537	Crop Development Centre		
		HW037	AAFC - Brandon		
		GP131	Crop Development Centre		

Comments:

Seed of the new Canada Western Red Spring (CWRS) varieties **AAC Connery**, **CDC Titanium VB** and **5605HR CL**, Canada Prairie Spring Red (CPSR) varieties **AAC Foray VB** and **AAC Penhold**, and Canada Western Interim Wheat (CWIW) variety **Elgin ND** will be commercially available for seeding in Spring 2016.

The variety **AAC Tradition** was selected for performance under organic growing conditions. The Canadian Grain Commission has yet to designate **AAC Tradition** to a wheat class.

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.

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

As of August 1, 2015, an interim wheat class named the Canada Western Interim Wheat (CWIW) is in effect for the varieties **Faller**, **Prosper** and **Elgin ND**. The three varieties have been granted interim regional registrations from the Canadian Food Inspection Agency (CFIA), expiring in 2018.

At Seed Manitoba 2016 publication deadlines, the Canadian Grain Commission (CGC) has stated effective August 1, 2018, twenty-five (25) spring wheat varieties from the Canada Western Red Spring (CWRS) and four (4) varieties from the Canada Prairie Spring Red (CPSR) class will be designated to another yet-undetermined class. Varieties published in Seed Manitoba 2016 that will be impacted include the CWRS varieties **5603HR**, **Alvena**, **Harvest**, **KANE**, **Unity VB** and the CPSR variety **Conquer VB**.

Producers are strongly encouraged to use the Canadian Grain Commission's **Variety Designation Lists** (www.grainscanada.gc.ca) that indicate the varieties belonging to each class of wheat in Canada, and the complete list of varieties being designated to another class effective August 1, 2017.

For complete and up-to-date information on the Canadian Wheat Class Modernization initiative, visit CGC's website at <https://www.grainscanada.gc.ca/consultations/2015/classes-en.htm>.

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

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SPRING WHEAT (continued)

Variety Descriptions

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 99 days	Height +/- 32 inches	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																		
5602HR☼	90	64	14.9	1	5	Y	F	F	R	MR	I	R	R	I	MR			
5603HR☼	41	63	14.4	2	5	Y	G	VG	MS	I	MR	MR	R	MS	I			
5604HR CL☼	40	62	14.5	-1	4	Y	G	G	MS	I	MS	R	R	—	I			
5605HR CL☼	31	62	14.7	1	4	Y	VG	—	R	MR	MS	MS	R	MR	MR			
AAC Bailey☼	28	50	14.9	-1	5	N	G	G	MS	MR	I	R	R	—	I			
AAC Brandon☼	42	65	14.2	2	0	Y	VG	P	MR	S	I	R	R	MR	MR			
AAC Cameron VB☼	20	69	14.0	1	5	Y	G	VG	S	R	I	MR	MR	S	I			
AAC Connery☼	17	57	15.0	1	4	N	VG	—	MR	I	I	R	MR	R	MR			
AAC Elie☼	42	64	14.4	2	-1	Y	VG	F	I	I	I	R	R	MR	I			
AAC Jatharia VB☼	20	69	14.3	1	5	Y	G	VG	S	MS	I	I	R	I	I			
AAC Prevail VB☼	31	61	14.2	1	7	N	G	G	S	S	MS	MR	R	R	I			
AAC Redwater☼	42	60	14.6	-2	3	Y	G	VG	MS	I	MS	R	R	MR	I			
AAC W1876☼	19	59	15.0	3	1	Y	VG	G	I	I	MS	MR	R	I	I			
AC Barrie	165	58	14.5	0	5	N	G	G	MR	I	MS	MR	MS	S	I			
AC Domain	22	56	15.2	-2	4	N	VG	VG	R	I	S	R	I	MR	MS			
Alvena☼	30	60	14.8	-2	5	N	G	P	MR	I	—	MR	I	I	MS			
Carberry☼	70	62	14.5	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR			
Cardale☼	28	63	14.5	2	1	Y	VG	G	I	MR	MS	R	R	S	MR			
CDC Abound☼	43	59	14.4	2	1	Y	G	F	I	I	MS	R	MS	MS	S			
CDC Bradwell☼	20	60	14.4	3	2	Y	VG	—	MR	R	MS	MR	R	MS	I			
CDC Go	24	62	14.2	-1	3	Y	G	P	MS	I	S	R	I	MR	MS			
CDC Kernen☼	39	60	14.7	1	6	Y	G	P	R	I	MS	MR	MR	I	I			
CDC Plentiful☼	42	60	14.6	-3	3	N	VG	P	R	I	I	R	R	MR	MR			
CDC Stanley☼	34	62	14.5	0	4	N	G	G	MR	S	I	R	MR	I	MS			
CDC Thrive☼	37	57	14.6	-1	5	N	G	F	MR	I	I	MR	I	I	MS			
CDC Titanium VB☼	31	60	15.0	2	5	Y	G	P	MS	I	MS	I	R	R	MR			
CDC Utmost VB☼	38	63	14.6	-1	4	N	G	G	MS	S	I	MR	R	I	MS			
CDC VR Morris☼	42	63	14.7	0	5	N	G	P	I	I	I	MR	R	—	MR			
Coleman	31	57	14.3	2	7	Y	G	P	S	S	MS	MR	R	MR	MR			
Fieldstar VB☼	43	64	14.6	0	6	Y	F	VG	I	I	I	MR	R	MS	I			
Glenn☼	121	63	14.4	2	3	Y	VG	F	I	I	I	R	R	MR	I			
Goodeve VB☼	53	61	14.8	-2	4	N	VG	G	MR	S	MS	MR	MR	I	S			
Harvest☼	61	60	14.3	-1	3	N	VG	VG	MR	S	MS	R	MR	MR	S			
Infinity☼	37	60	15.1	-2	5	N	G	G	MR	MR	MS	MR	MR	MS	S			
KANE☼	92	61	14.5	1	3	Y	G	VG	MS	I	I	R	R	MR	I			
Muchmore☼	40	63	14.2	2	-1	Y	VG	G	MR	R	MS	R	R	MR	MS			
Shaw VB☼	40	63	14.2	0	7	N	G	G	S	MR	MS	R	MR	I	MS			
Stettler☼	40	59	14.8	1	3	Y	G	G	R	MR	MS	MR	MS	MR	MS			
Superb☼	83	60	14.4	2	2	Y	VG	F	I	MR	MS	R	S	MS	MS			
SY433☼	38	57	14.6	2	6	Y	G	VG	I	S	I	R	R	—	MR			
Thorsby☼	17	57	14.8	-2	5	N	VG	F	I	S	MS	MR	R	R	I			
Unity VB☼	53	66	14.2	0	5	Y	F	VG	MS	R	I	MR	R	MS	I			
Vesper VB☼	40	65	14.5	0	4	Y	G	F	I	S	I	MR	R	S	I			
Waskada☼	43	62	14.6	1	7	Y	F	VG	MR	R	MS	R	I	MS	MR			
WR859 CL☼	42	62	14.5	0	2	Y	G	G	R	R	MS	MR	R	I	MR			
Canada Prairie Spring Red																		
5700PR☼	33	64	12.8	3	-1	Y	VG	F	MS	R	MS	R	I	MS	MS			
5702PR☼	30	66	12.8	1	1	Y	VG	P	MS	I	I	I	MR	MS	MS			
AAC Crusader☼	15	69	13.4	0	-1	Y	G	—	MR	I	MS	R	R	MR	I			
AAC Foray VB☼	30	72	13.3	1	2	Y	VG	—	MS	I	MS	MR	R	I	I			
AAC Penhold☼	30	70	13.8	1	-4	Y	VG	VG	I	R	I	MR	R	MR	MR			
AAC Ryley☼	29	67	13.0	1	1	Y	G	G	I	R	MS	R	R	S	MS			
AAC Tenacious VB☼	30	59	13.0	1	8	Y	G	G	R	MR	MS	MR	R	R	R			
Conquer VB☼	40	65	13.0	2	4	Y	G	P	MS	R	I	R	MR	MR	MS			
Enchant VB☼	29	68	13.3	1	3	Y	G	G	MR	R	MS	MR	R	S	S			
SY985☼	44	66	13.4	2	-1	Y	G	P	R	MR	I	R	R	—	I			
SY995☼	30	67	13.1	2	0	Y	VG	P	S	MR	MS	MR	R	MR	MS			
Canada Western Extra Strong																		
Burnside	52	59	14.4	-1	7	N	G	G	R	I	MS	R	R	R	S			
CDN Bison	38	65	13.7	1	3	Y	G	F	R	I	I	R	MR	—	I			
Glencross VB	41	62	14.1	0	8	N	G	F	R	I	MS	R	MR	MR	S			

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 99 days	Height +/- 37 inches	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 Hard White Spring																		
AAC Iceberg	41	58	13.9	0	1	Y	G	P	MS	MR	MS	R	R	I	I			
AAC Whitefox	31	61	13.9	-2	3	N	G	F	MS	MS	MS	MR	MR	MS	I			
CDC Whitewood	31	54	14.2	0	1	Y	VG	G	S	S	MS	MR	MR	I	I			
Snowbird	93	59	13.8	0	5	N	G	G	MR	MS	MS	MR	I	MS	I			
Snowstar	37	63	13.4	-1	1	N	VG	G	MS	S	MS	R	MR	MS	MS			
Whitehawk	33	55	13.7	-2	5	N	VG	G	I	MS	MS	I	R	MS	MS			
Canada Western Soft White Spring																		
AAC Chiffon	29	77	11.6	4	4	Y	F	P	S	S	—	S	I	MR	S			
AAC Indus	6	74	11.6	6	2	Y	VG	—	S	MS	MS	S	I	R	MS			
AC Andrew	30	72	10.9	4	1	Y	VG	P	S	S	—	MR	MS	I	I			
Sadash	35	72	10.7	4	3	Y	VG	P	I	S	—	MR	I	R	S			
Canada Western General Purpose																		
AAC Innova	29	73	11.8	4	2	Y	F	VP	S	S	I	MR	R	R	S			
AAC NRG097	30	68	12.4	5	1	y	VG	F	I	R	I	MR	R	S	I			
AAC Proclaim	29	68	12.5	3	4	Y	F	F	MR	S	I	MR	R	MS	MR			
CDC NRG003	40	69	13.0	1	1	Y	G	G	MS	R	MS	R	MS	—	S			
Minnedosa	40	67	12.9	-1	1	Y	G	G	I	R	MS	MR	R	—	MS			
NRG010	40	71	12.6	4	2	Y	VG	F	MS	R	I	R	R	R	MS			
Pasteur	40	74	12.9	7	2	N	VG	G	MS	S	I	MR	R	MR	I			
SY087	30	70	13.8	2	2	Y	VG	F	MS	MR	I	MR	MR	MR	MR			
WFT603	19	70	12.6	5	4	Y	G	P	I	R	I	I	I	MR	MR			
Canada Western Interim Wheat																		
Elgin ND	14	74	14.1	2	4	Y	G	—	—	—	—	I	—	—	—			
Faller	18	78	13.2	1	1	Y	G	—	—	MS	MS	I	I	S	I			
Prosper	17	77	13.2	1	1	Y	G	—	—	S	I	I	MR	S	I			
Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission																		
AAC Tradition	20	64	14.2	4	2	Y	G	G	MS	MR	I	R	MR	S	I			
BW479	20	59	15.2	1	5	Y	VG	—	MS	R	MS	I	R	S	I			
BW496	6	65	15.1	1	4	Y	G	—	MS	S	MS	MR	R	MR	I			
BW963	6	60	14.8	2	6	Y	G	—	I	MR	I	R	R	R	MS			
BW965	6	65	14.4	3	-2	Y	VG	—	S	MR	I	R	MR	R	I			
BW966	6	62	14.3	0	3	Y	G	—	R	I	MS	R	R	R	I			
PT472	6	63	14.6	0	10	Y	G	—	I	I	MS	R	R	MR	S			
PT474	6	56	14.8	1	7	Y	G	—	S	I	MS	MR	R	R	MS			
PT637	20	56	14.9	3	7	Y	VG	—	MS	MR	I	MR	R	MR	MR			
HY537	6	68	13.7	0	4	Y	VG	—	MR	MR	I	MR	R	R	MS			
HW037	6	57	13.8	-1	3	Y	VG	—	MS	MS	I	MR	I	I	MR			
GP131	6	77	13.2	2	2	Y	VG	—	MR	I	S	MR	MR	I	I			
GRAND MEAN		67	14.1															
LSD (0.05)		3	0.3															

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

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

SPRING WHEAT (continued)

Yield Comparisons

Class/Variety	2015 Yield (bu/acre)													
	Arborg	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Melita	Neepawa	Roblin	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Canada Western Red Spring														
5605HR CL☼	57	41	51	85	73	64	67	82	65	73	95	59	57	108
AAC Brandon☼	52	41	67	79	58	66	67	85	58	81	101	63	57	102
AAC Cameron VB☼	58	42	68	83	74	77	69	92	66	70	97	69	59	115
AAC Connery☼	46	35	—	79	60	59	58	—	53	74	—	44	44	84
AAC Elie☼	47	41	58	73	58	64	72	82	56	76	97	55	60	102
AAC Jatharia VB☼	57	41	73	89	76	81	69	86	61	80	102	73	60	114
AAC Prevail VB☼	53	36	58	82	74	67	60	80	55	71	96	57	49	93
AAC Redwater☼	55	37	61	80	67	70	64	71	49	74	88	73	54	103
AAC W1876☼	47	32	53	77	61	59	62	76	51	68	90	65	52	95
Carberry☼	49	42	69	75	57	66	72	77	52	77	93	68	60	105
CDC Bradwell☼	57	37	61	79	73	65	60	75	53	69	91	65	51	97
CDC Plentiful☼	56	34	53	78	65	65	60	65	51	73	83	55	53	90
CDC Titanium VB☼	50	33	62	79	69	71	62	79	50	69	86	61	53	105
CDC VR Morris☼	59	36	54	80	83	69	68	83	65	79	92	65	56	107
Coleman	47	34	47	70	65	59	67	63	50	71	79	56	50	98
Glenn☼	46	38	61	77	72	69	69	82	55	83	93	70	53	109
Thorsby☼	45	31	—	72	67	61	58	—	51	72	—	52	47	96
Canada Western Hard White Spring														
AAC Iceberg☼	46	33	51	78	61	60	60	78	53	79	86	65	50	88
AAC Whitefox☼	51	42	58	73	70	61	65	73	57	81	83	59	50	100
CDC Whitewood	41	33	48	73	65	54	56	65	47	66	84	60	48	90
Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission														
AAC Tradition	53	36	60	83	62	65	76	88	65	74	94	73	56	90
BW479	56	32	63	68	71	70	61	74	61	67	87	54	44	96
BW496☼	51	—	68	—	71	75	—	—	59	—	—	—	—	107
BW963☼	52	—	51	—	81	59	—	—	54	—	—	—	—	87
BW965☼	51	—	69	—	57	69	—	—	58	—	—	—	—	113
BW966☼	46	—	64	—	64	66	—	—	56	—	—	—	—	104
PT472	56	—	62	—	71	73	—	—	50	—	—	—	—	111
PT474	49	—	45	—	61	68	—	—	47	—	—	—	—	82
PT637	51	31	48	68	69	57	68	68	54	59	83	50	43	88
HW037	48	—	49	—	65	65	—	—	52	—	—	—	—	92
SITE GRAND MEAN (bu/acre)	51	36	58	77	67	66	65	77	54	73	90	61	53	99
CV%	8.3	8.5	6.8	4.5	5.2	4.8	5.9	8.5	3.7	4.7	5.1	5.1	3.7	5.7
LSD (bu/acre)	7	5	6	6	6	5	6	11	3	6	8	5	3	9
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	13-May	27-May	05-May	15-May	22-May	08-May	29-Apr	12-May	25-May	05-May	15-May	30-Apr	25-Apr	12-May
Harvest Date	28-Aug	14-Sep	10-Sep	02-Sep	11-Sep	02-Sep	13-Aug	02-Sep	21-Sep	15-Aug	28-Aug	20-Aug	19-Aug	27-Aug
Canada Western Red Spring														
Glenn☼	65	49	67	71	64	65	74	79	55	82	98	69	56	123
Canada Prairie Spring Red														
AAC Foray VB☼	59	48	69	73	81	88	74	81	61	85	101	74	63	103
AAC Penhold☼	69	55	71	76	74	66	69	93	59	85	103	78	70	99
AAC Tenacious VB☼	68	30	66	70	66	72	67	72	53	63	89	59	51	104
SY995☼	82	43	59	69	81	74	72	71	59	81	92	70	65	83
Canada Western Soft White Spring														
AAC Chiffon☼	78	53	76	83	92	90	92	75	69	79	105	85	69	112
AAC Indus☼	66	—	71	—	82	82	—	—	71	—	—	—	—	109
Canada Western General Purpose														
AAC Innova☼	63	48	71	73	76	87	82	86	69	87	102	82	67	113
AAC NRG097☼	72	42	62	78	77	69	79	65	60	83	104	69	62	99
SY087☼	73	49	79	81	74	82	76	74	58	88	113	66	69	106
WFT603	76	53	69	74	77	80	81	81	61	73	104	78	65	95
Canada Western Interim Wheat														
Elgin ND☼	78	60	72	86	78	78	85	86	60	85	110	75	69	105
Faller	73	66	79	95	91	88	79	82	63	91	118	90	70	129
Prosper☼	75	58	87	88	86	86	81	76	60	95	114	89	69	122
Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission														
HY537	68	—	69	—	77	79	—	—	59	—	—	—	—	91
GP131	74	—	72	—	84	92	—	—	74	—	—	—	—	114
SITE GRAND MEAN (bu/acre)	71	50	71	78	79	80	78	78	61	83	104	76	65	107
CV%	9.5	8.3	8.3	4.5	4.9	4.4	6.0	8.7	2.8	4.3	4.8	4.5	3.0	5.0
LSD (bu/acre)	11	7	10	6	6	6	8	12	3	6	8	6	3	9
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	13-May	27-May	05-May	15-May	10-May	08-May	29-Apr	12-May	12-May	05-May	15-May	30-Apr	25-Apr	12-May
Harvest Date	02-Sep	14-Sep	09-Sep	02-Sep	11-Sep	10-Sep	13-Aug	02-Sep	14-Sep	15-Aug	28-Aug	20-Aug	19-Aug	27-Aug

Protein Comparisons

Class/Variety	2015 Protein (%)													
	Arborg	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Melita	Neepawa	Roblin	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Canada Western Red Spring														
5605HR CL☼	14.4	15.7	15.1	—	14.9	15.9	15.2	—	15.4	16.0	—	15.7	14.3	14.8
AAC Brandon☼	14.7	15.6	13.3	—	14.5	15.6	14.4	—	14.9	15.2	—	15.0	14.4	14.5
AAC Cameron VB☼	14.0	14.8	13.4	—	14.0	14.6	14.0	—	14.9	15.1	—	14.8	14.4	14.9
AAC Connery☼	15.5	16.2	14.4	—	15.4	16.5	13.2	—	15.2	15.5	—	15.5	15.0	15.6
AAC Elie☼	15.0	15.5	—	—	14.6	15.7	14.2	—	15.3	15.5	—	15.6	14.2	14.7
AAC Jatharia VB☼	14.8	15.3	14.3	—	14.4	15.0	12.7	—	14.9	16.1	—	15.6	14.6	14.7
AAC Prevail VB☼	14.6	15.2	13.7	—	14.6	15.0	14.0	—	14.7	15.4	—	15.0	14.5	15.1
AAC Redwater☼	15.4	16.1	13.7	—	15.1	15.6	14.6	—	15.4	15.4	—	15.7	14.7	14.7
AAC W1876☼	15.9	16.7	15.4	—	15.1	15.9	13.1	—	16.5	16.7	—	15.7	14.7	15.2
Carberry☼	14.6	15.5	13.3	—	15.0	15.5	14.0	—	14.9	15.6	—	15.1	14.7	14.4
CDC Bradwell☼	15.3	15.4	13.5	—	15.1	15.2	12.8	—	15.2	15.7	—	15.0	14.6	15.1
CDC Plentiful☼	14.9	16.1	14.1	—	15.1	16.2	15.1	—	15.4	15.2	—	15.6	14.7	14.7
CDC Titanium VB☼	15.4	15.2	14.8	—	14.4	16.9	16.4	—	16.2	16.8	—	16.3	15.0	15.3
CDC VR Morris☼	15.6	16.1	14.8	—	14.9	16.0	14.7	—	15.6	—	—	15.5	14.7	15.3
Coleman	14.7	15.1	14.2	—	14.3	15.3	14.6	—	14.8	15.6	—	14.6	14.4	13.8
Glenn☼	14.8	15.2	13.5	—	14.2	14.9	15.0	—	15.3	15.2	—	15.1	14.5	15.0
Thorsby☼	15.0	16.1	—	—	15.6	15.7	13.9	—	15.3	15.7	—	15.7	14.9	15.6
Canada Western Hard White Spring														
AAC Iceberg☼	14.5	15.2	14.2	—	14.5	15.1	14.0	—	14.6	14.6	—	15.0	14.5	14.0
AAC Whitefox☼	14.1	14.9	13.0	—	14.3	14.9	14.3	—	14.6	14.9	—	14.7	14.1	14.4
CDC Whitewood	14.6	15.2	13.8	—	14.5	15.1	14.6	—	14.8	14.8	—	15.2	14.7	14.4
Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission														
AAC Tradition	14.5	15.3	13.2	—	14.1	15.0	15.0	—	14.9	15.2	—	15.7	14.2	14.2
BW479	15.5	16.2	14.9	—	15.2	15.6	13.4	—	16.2	16.5	—	16.8	15.8	16.0
BW496☼	16.0	—	15.3	—	15.3	16.2	—	—	16.0	—	—	—	—	15.2
BW963☼	14.6	—	14.9	—	14.9	16.5	—	—	15.4	—	—	—	—	15.3
BW965☼	15.3	—	13.5	—	15.1	15.5	—	—	15.3	—	—	—	—	14.7
BW966☼	15.2	—	14.1	—	14.3	15.4	—	—	15.4	—	—	—	—	14.4
PT472	15.6	—	14.0	—	15.2	15.4	—	—	15.9	—	—	—	—	14.8
PT474	15.6	—	13.5	—	15.3	15.8	—	—	15.9	—	—	—	—	15.5
PT637	15.6	16.4	14.7	—	15.1	15.8	12.6	—	16.1	17.0	—	16.8	15.7	15.8
HW037	15.4	—	14.3	—	13.8	14.2	—	—	14.8	—	—	—	—	13.9
SITE GRAND MEAN (%)	15.0	15.6	14.1	—	14.8	15.5	14.2	—	15.3	15.6	—	15.5	14.7	14.9
Canada Western Red Spring														
Glenn☼	14.9	15.2	13.5	—	14.3	14.3	15.0	—	13.5	15.4	—	15.0	14.6	14.8
Canada Prairie Spring Red														
AAC Foray VB☼	14.7	14.7	13.3	—	13.9	13.4	12.5	—	15.0	13.8	—	13.9	13.2	14.0
AAC Penhold☼	14.9	14.4	13.9	—	14.8	15.4	13.2	—	15.9	14.8	—	14.2	13.4	14.1
AAC Tenacious VB☼	13.3	13.5	13.0	—	13.8	13.3	12.8	—	15.9	14.0	—	13.1	12.7	13.4
SY995☼	13.8	14.2	13.5	—	13.4	13.9	13.3	—	14.5	13.8	—	13.6	13.1	13.4
Canada Western Soft White Spring														
AAC Chiffon☼	12.8	12.9	11.8	—	11.6	11.8	11.7	—	12.6	12.0	—	11.7	11.4	11.8
AAC Indus☼	13.7	—	11.7	—	11.9	11.4	—	—	11.5	—	—	—	—	11.3
Canada Western General Purpose														
AAC Innova☼	13.0	12.7	12.0	—	12.4	12.2	11.8	—	12.7	12.4	—	12.2	11.7	12.1
AAC NRG097☼	12.9	13.5	13.1	—	12.5	12.7	12.1	—	13.3	12.6	—	12.6	11.9	12.7
SY087☼	14.7	15.1	13.6	—	14.3	13.9	14.1	—	15.2	15.1	—	15.1	13.2	14.7
WFT603	13.0	13.3	12.7	—	12.9	13.2	12.2	—	14.0	13.9	—	13.3	12.2	13.1
Canada Western Interim Wheat														
Elgin ND☼	14.5	15.1	14.1	—	14.5	14.2	13.7	—	15.3	15.5	—	14.7	14.1	14.7
Faller	13.8	14.1	13.7	—	13.2	13.5	13.2	—	14.5	14.3	—	13.3	13.1	13.6
Prosper☼	13.7	14.0	13.2	—	13.0	13.4	12.5	—	14.3	14.6	—	13.7	13.0	13.6
Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission														
HY537	14.2	—	13.8	—	14.0	14.5	—	—	14.7	—	—	—	—	13.9
GP131	13.6	—	13.1	—	13.6	13.1	—	—	14.5	—	—	—	—	13.6
SITE GRAND MEAN (%)	13.8	14.1	13.1	—	13.4	13.4	12.9	—	14.2	14.0	—	13.6	12.9	13.4

DURUM WHEAT

New for 2016

Variety	Code	Breeder	Distributor	Seed Availability
AAC Congress	DT856	AAFC - Swift Current	CANTERRA SEEDS	2018
CDC Alloy	DT579	Crop Development Centre	FP Genetics	2018
CDC Dynamic	DT578	Crop Development Centre	CPS Canada Inc.	—
CDC Precision	DT577	Crop Development Centre	Alliance Seed	—

Comments:

Seed of the new varieties **CDC Fortitude**, **AAC Marchwell VB** and **CDC Vivid** will be commercially available for seeding in Spring 2016.

The varieties **AAC Raymore**, **CDC Fortitude** and **AAC Cabri** have solid stem 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 +/- 35 inches	Spike Awned	Resistance Level:									
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	Stripe Rust	Fusarium ²	
															Head Blight	
AAC Cabri☺	5	63	14.7	1	1	Y	G	—	MR	R	I	MR	R	R	MS	
AAC Congress☺	3	66	14.2	0	1	Y	G	—	MR	R	MS	MR	R	R	MS	
AAC Current☺	8	58	14.6	1	1	Y	G	F	MS	MR	I	R	R	MR	MS	
AAC Durafield☺	6	68	14.5	0	0	Y	G	G	S	R	I	R	R	MR	S	
AAC Marchwell VB☺	8	63	14.6	0	0	Y	G	F	MR	R	MS	R	R	R	MS	
AAC Raymore☺	8	62	14.5	0	0	Y	G	F	MS	MR	I	R	R	MR	S	
AAC Spitfire☺	5	64	14.4	0	-1	Y	VG	—	MS	R	MS	R	R	R	S	
Brigade☺	23	71	13.6	2	2	Y	G	F	S	R	I	R	R	MR	MS	
CDC Alloy☺	3	65	14.2	0	1	Y	G	—	I	R	MS	MR	R	R	MS	
CDC Carbide VB☺	5	62	14.5	0	0	Y	G	—	MS	R	MS	R	R	R	MS	
CDC Desire☺	6	58	14.3	-2	0	Y	G	G	MS	R	I	R	R	MR	S	
CDC Dynamic☺	3	63	14.6	0	1	Y	G	—	I	R	I	MR	R	MR	MS	
CDC Fortitude☺	8	65	14.4	1	0	Y	VG	F	MS	R	MS	MR	R	R	MS	
CDC Precision☺	3	67	14.0	0	1	Y	G	—	MS	R	MS	MR	R	R	MS	
CDC Verona☺	21	64	14.4	2	0	Y	G	F	MS	R	MS	R	R	R	MS	
CDC Vivid☺	8	59	14.7	0	0	Y	VG	F	I	R	I	R	R	MR	S	
Enterprise☺	12	65	14.4	0	1	Y	F	G	MS	MR	I	R	R	R	MS	
Eurostar☺	23	66	14.1	2	2	Y	F	F	S	R	I	R	R	R	MS	
Strongfield☺	55	62	14.7	0	0	Y	G	F	S	MR	I	R	R	MR	S	
Transcend☺	14	65	14.3	2	3	Y	G	G	S	R	I	R	R	R	MS	
GRAND MEAN		64	14.0													
LSD (0.05)		5	0.5													

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

² Fusarium head blight (FHB) infection is highly influenced by environment and heading date. Under high levels of the disease all varieties will sustain damage.

Yield Comparisons

Variety	2015 Yield (bu/acre)		
	Boissevain	Melita	Souris
AAC Cabri	52	80	62
AAC Congress	58	73	89
AAC Current	53	80	80
AAC Durafield	58	74	81
AAC Marchwell VB	40	76	70
AAC Raymore	47	77	72
AAC Spitfire	57	82	84
CDC Alloy	56	75	86
CDC Carbide VB	52	75	77
CDC Desire	50	69	72
CDC Dynamic	52	76	78
CDC Fortitude	65	79	82
CDC Precision	64	79	82
CDC Vivid	53	72	70
Strongfield	52	75	76
Transcend	50	79	75
SITE GRAND MEAN (bu/acre)	54	76	77
CV %	9.2	4.1	6.9
LSD	8	5	9
Sign Diff	Yes	Yes	Yes
Seeding Date	05-May	01-May	15-May
Harvest Date	10-Sep	13-Aug	28-Aug

Protein Comparisons

Variety	2015 Protein (%)		
	Boissevain	Melita	Souris
AAC Cabri	16.3	12.3	—
AAC Congress	14.5	11.6	—
AAC Current	15.3	12.0	—
AAC Durafield	15.2	12.6	—
AAC Marchwell VB	15.7	12.6	—
AAC Raymore	15.9	12.1	—
AAC Spitfire	14.1	11.7	—
CDC Alloy	14.4	11.6	—
CDC Carbide VB	15.1	12.5	—
CDC Desire	14.7	11.8	—
CDC Dynamic	15.3	12.4	—
CDC Fortitude	14.2	12.1	—
CDC Precision	13.8	11.7	—
CDC Vivid	14.4	11.8	—
Strongfield	15.1	12.3	—
Transcend	14.9	11.6	—
SITE GRAND MEAN (%)	14.9	12.0	—

WINTER WHEAT

New for 2016

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Elevate☼	CWRW	W495	AAFC - Lethbridge	SeCan	2017
Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission					
		1303-132-1	Department of Plant Sciences, U of M		

Comments:

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

The variety **Emerson**☼ is rated Resistant (R) to Fusarium Head Blight. Depending on the level of disease pressure, varieties that are rated as Resistant will be infected to some degree. If disease pressure is high, yield and/or quality loss due to FHB can still occur in R-rated varieties.

The variety AAC Elevate☼ has resistance to the wheat curl mite, the vector that transmits wheat streak mosaic virus.

Variety Descriptions

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Height +/- 26 inches	Relative ¹ Maturity	Resistance Level:						
						Lodging	Common Bunt	Stem Rust	Leaf Rust	Stripe Rust	Fusarium ²	Relative ³ Winter Hardiness
											Head Blight	
Canada Western Red Winter												
AAC Elevate☼	7	81	11.4	2	M	VG	MR	MR	I	MS	I	G
AAC Gateway☼	17	80	12.0	1	M	VG	S	MR	I	MR	I	F
CDC Buteo	101	79	11.3	4	M	G	S	I	I	S	MR	VG
CDC Chase	12	83	11.5	7	M	G	S	R	R	MR	MS	F
Emerson☼	17	82	12.2	4	M	VG	S	R	I	MR	R	G
Flourish☼	35	81	11.7	2	E	VG	MR	I	I	I	S	F
McClintock☼	78	76	11.6	7	L	VG	S	R	MR	—	S	F
Moats☼	35	82	11.7	6	E	G	MS	R	R	MR	S	G
Canada Western General Purpose												
Accipiter☼	36	83	11.1	3	M	VG	S	R	MR	S	MS	G
Broadview☼	38	81	11.1	2	E	VG	S	R	R	S	S	G
CDC Falcon	107	78	11.5	0	E	VG	S	MR	MR	S	S	F
CDC Ptarmigan	42	81	9.8	8	M	F	S	S	S	S	I	G
Peregrine☼	36	84	11.0	10	M	G	S	I	MR	MR	I	VG
Sunrise	38	85	10.5	6	M	G	S	MR	MR	MR	—	G
Swainson	20	87	10.9	8	M	F	S	R	R	MR	—	F
Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission												
1303-132-2	17	89	10.8	6	M	G	S	R	R	—	MS	F
GRAND MEAN (bu/acre)		81	11.3									
LSD (bu/acre) (0.05)		4	0.2									

- 1 Maturity ratings: E = Early, M = Medium and L = Late. CDC Falcon is considered an Early (E) maturing variety. Varieties plus 2 to 4 days compared to CDC Falcon would be Medium (M) maturing. Varieties greater than 4 days compared to CDC Falcon would be rated as Late (L) maturing.
- 2 Winter wheat varieties generally have poor genetic resistance to fusarium head blight. Earlier flowering of winter wheat relative to spring wheat may allow winter wheat to escape infection. The ratings provided are based on data from the Co-operative Registration Trials and/or performance in commercial fields.
- 3 All registered varieties have similar (good) winter hardiness if seeded at the optimum date into standing stubble where good snow cover can be assured. For the newer varieties, there is limited information currently available. As these varieties are grown on more acres, a better understanding of relative winter hardiness will follow.

Yield Comparisons

Class/Variety	2015 Yield (bu/acre)					
	Boissevain	Carman	Hamiota	Melita	Roblin	Winnipeg
Canada Western Red Winter						
AAC Elevate [®]	59	91	83	95	66	92
AAC Gateway [®]	63	90	85	96	65	79
CDC Buteo	54	93	88	96	58	90
CDC Chase	70	99	106	118	66	84
Emerson [®]	64	94	95	100	57	88
Flourish [®]	63	92	90	104	74	83
Moats [®]	61	101	93	119	64	87
Canada Western General Purpose						
CDC Falcon	56	82	81	92	69	84
Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission						
1303-132-2	80	110	101	122	62	103
SITE GRAND MEAN (bu/acre)	63	95	92	105	64	88
CV%	5.6	3.8	4.7	5.0	7.4	9.9
LSD (bu/acre)	6	5	7	9	8	13
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	17-Sep	24-Sep	23-Sep	15-Sep	15-Sep	16-Sep
Harvest Date	14-Aug	11-Aug	28-Aug	04-Aug	18-Aug	10-Aug



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WINTER WHEAT (continued)

Protein Comparisons

Class/Variety	2015 Protein (%)					
	Boissevain	Carman	Hamiota	Melita	Roblin	Winnipeg
Canada Western Red Winter						
AAC Elevate	12.1	11.7	13.1	12.3	12.4	11.4
AAC Gateway	13.0	11.9	13.7	13.0	13.1	11.1
CDC Buteo	11.2	11.0	12.9	12.0	12.7	11.7
CDC Chase	12.1	11.7	12.7	12.3	12.1	11.5
Emerson	12.2	12.3	13.7	11.2	13.7	13.3
Flourish	12.7	11.8	13.0	12.8	13.1	12.2
Moats	12.7	12.2	13.1	12.8	12.7	11.2
Canada Western General Purpose						
CDC Falcon	12.9	11.8	13.1	13.0	12.2	11.8
Varieties that have been supported for registration with class to be determined by the Canadian Grain Commission						
1303-132-2	11.3	11.3	11.8	11.0	11.9	10.6
SITE GRAND MEAN (%)	12.2	11.7	13.0	12.3	12.7	11.6

FALL RYE

New for 2016

Variety	Code	Breeder	Distributor	Seed Availability
Brasetto	RT209	KWS Lochow GMBH	FP Genetics	2015
Guttino	RT210	KWS Lochow GMBH	SeedNet	2015

Comments:

Prior to 2015, fall rye was last tested by MCVET in 2009.

The varieties **Brasetto** and **Guttino** are hybrid varieties.

Variety Descriptions

Variety	Site Years Tested	Yield (bu/ac)	Height +/- 43 inches	Relative ¹ Maturity	Falling Number (Seconds)	Resistance Level:		Relative Winter Hardiness
						Lodging	Ergot	
Danko	7	86	—	—	—	—	—	F
Hazlet	28	100	0	0	183	VG	MS	VG
Prima	20	91	4	-3	214	F	MS	VG
Hybrid Fall Rye								
Brasetto	8	119	-4	0	288	G	MS	VG
Guttino	8	119	-5	0	321	G	MS	VG
GRAND MEAN (bu/acre)		100						
LSD (bu/acre) (0.05)		4						

¹ Maturity ratings: Hazlet reaches maturity in approximately 222 days.

Yield Comparisons

Class/Variety	2015 Yield (bu/acre)						
	Boissevain	Carman	Hamiota	Melita	Roblin	Rosebank	Winnipeg
Danko	—	87	89	124	50	118	67
Hazlet	60	101	100	118	70	123	81
Hybrid Fall Rye							
Brasetto	77	131	119	137	91	151	97
Guttino	75	124	116	128	93	161	99
SITE GRAND MEAN (bu/acre)		71	111	106	127	76	138
CV%	10.1	8.8	2.4	6.1	4.6	5.7	7.3
LSD (bu/acre)	—	16	5	—	7	16	11
Sign Diff	No	Yes	Yes	No	Yes	Yes	Yes
Seeding Date	17-Sep	24-Sep	23-Sep	15-Sep	15-Sep	26-Aug	16-Sep
Harvest Date	14-Aug	11-Aug	28-Aug	04-Aug	18-Aug	11-Aug	10-Aug

Distributor Contacts for Varieties in Seed Manitoba 2016

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

BARLEY

Malting: Acceptance - Recommended

AAC Synergy (2)☎	Syngenta Seeds Canada Inc.
AC Metcalfe (2)☎	SeCan
Bentley (2)☎	CANTERRA SEEDS
CDC Copeland (2)☎	SeCan
CDC Kindersley (2)☎	SeCan
CDC Meredith (2)☎	SeCan
CDC Polarstar (2)☎	CANTERRA SEEDS
Celebration (6W)☎	CANTERRA SEEDS
LEGACY (6W)	CPS Canada Inc./FP Genetics
Merit 57 (2)☎	CANTERRA SEEDS
Newdale (2)☎	FP Genetics
Tradition (6W)	CPS Canada Inc./FP Genetics

Malting: Other

CDC Bow (2)☎	SeCan
CDC PlatinumStar (2)☎	CANTERRA SEEDS
Cerveza (2)☎	Mastin Seeds
Lacey (6W)	Alliance Seed
Major (2)☎	CPS Canada Inc.
Stellar-ND (6W)☎	CANTERRA SEEDS

Food and Feed

AC Ranger (6F)	FP Genetics
Amisk (6)☎	SeCan
Brahma (2)☎	CPS Canada Inc.
Breton (6F)☎	Alberta Agriculture and Forestry
Canmore (2)☎	CANTERRA SEEDS
CDC Austenson (2)☎	SeCan
CDC Coalition (2)☎	CANTERRA SEEDS
CDC Cowboy (2F)☎	SeCan
CDC Helgason (2)☎	SeCan
CDC Maverick (2F)☎	SeCan
CDC Mindon (2)☎	SeCan
CDC YORKTON (6W)	CANTERRA SEEDS
Champion (2)☎	CPS Canada Inc.
Chigwell (6)☎	SeCan
CONLON (2)☎	Seed Depot
Desperado (6F)☎	Alliance Seed
Gadsby (2)☎	SeCan
Muskwa (6)☎	SeedNet
Sundre (6)☎	Mastin Seeds

Hulless

CDC Carter (2)☎	SeCan
CDC Clear (2)☎	Crop Development Centre
Taylor (2)☎	Alliance Seed

OATS

AAC Justice☎	FP Genetics
AAC Nicolas☎	SeCan
AC Morgan	SeCan
Akina☎	La Coop Federee
Bia☎	La Coop Federee
Bradley☎	SeCan
CDC Big Brown☎	SeCan
CDC Dancer☎	FP Genetics
CDC Haymaker (F)☎	SeCan
CDC Minstrel☎	FP Genetics
CDC Morrison☎	CANTERRA SEEDS
CDC Norseman☎	SeCan
CDC ProFi	Crop Development Centre
CDC Ruffian☎	FP Genetics
CDC Seabiscuit☎	CANTERRA SEEDS
CS Camden☎	CANTERRA SEEDS
Furlong☎	CANTERRA SEEDS
HiFi☎	Seed Depot
Jordan☎	SeCan
Kara☎	La Coop Federee
Leggett☎	FP Genetics
Nice	La Coop Federee
Pinnacle☎	FP Genetics
Ronald☎	SeCan
Souris☎	Seed Depot
Stainless	AAFC - Cereal Research Centre
Stride☎	SeCan
Summit☎	FP Genetics
Triactor☎	CANTERRA SEEDS

HULLESS OATS

AC Belmont	SeCan
AC Gwen	SeCan
GEHL☎	Wedge Farms
Navan	Eastern Cereal Research Centre

SPRING WHEAT

Canada Western Red Spring	
5602HR☎	CPS Canada Inc.
5603HR☎	CPS Canada Inc.
5604HR CL☎	CPS Canada Inc.
5605HR CL☎	CPS Canada Inc.
AAC Bailey☎	CANTERRA SEEDS
AAC Brandon☎	SeCan

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AAC Cameron VB🌀	CANTERRA SEEDS
AAC Connery🌀	CANTERRA SEEDS
AAC Elie🌀	Alliance Seed
AAC Jatharia VB🌀	SeCan
AAC Prevail VB🌀	Alliance Seed
AAC Redwater🌀	SeCan
AAC W1876🌀	CANTERRA SEEDS
AC Barrie	SeCan
AC Domain	SeCan
Alvena🌀	SeCan
Carberry🌀	SeCan
Cardale🌀	Seed Depot
CDC Abound🌀	CPS Canada Inc.
CDC Bradwell🌀	SeCan
CDC Go	Crop Development Centre
CDC Kernan🌀	CANTERRA SEEDS
CDC Plentiful🌀	FP Genetics
CDC Stanley🌀	CPS Canada Inc.
CDC Thrive🌀	Cargill Ltd.
CDC Titanium VB🌀	CPS Canada Inc.
CDC Utmost VB🌀	FP Genetics
CDC VR Morris🌀	CPS Canada Inc.
Coleman	Lefsrud Seed
Fieldstar VB🌀	SeCan
Glenn🌀	CANTERRA SEEDS
Goodeve VB🌀	Alliance Seed
Harvest🌀	FP Genetics
Infinity🌀	CANTERRA SEEDS
KANE🌀	SeCan
Muchmore🌀	FP Genetics
Shaw VB🌀	SeCan
Stettler🌀	SeCan
Superb🌀	SeCan
SY433🌀	Syngenta Canada Inc.
Thorsby🌀	CANTERRA SEEDS
Unity VB🌀	SeCan
Vesper VB🌀	SeCan
Waskada🌀	SeCan
WR859 CL🌀	Richardson Pioneer
Canada Prairie Spring Red	
5700PR🌀	CPS Canada Inc.
5702PR🌀	CPS Canada Inc.
AAC Crusader🌀	CANTERRA SEEDS
AAC Foray VB🌀	SeCan
AAC Penhold🌀	SeCan
AAC Ryley🌀	SeCan
AAC Tenacious VB🌀	Alliance Seed
Conquer VB🌀	CANTERRA SEEDS
Enchant VB🌀	FP Genetics
SY985🌀	CPS Canada Inc. & Richardson Pioneer
SY995🌀	Syngenta Canada Inc.
Canada Western Extra Strong	
Burnside	Faurschou Farms Ltd. III
CDN Bison	Faurschou Farms Ltd. III
Glencross VB	Faurschou Farms Ltd. III
Canadian Western Hard White Spring	
AAC Iceberg🌀	Alliance Seed
AAC Whitefox🌀	SeCan
CDC Whitewood	SeCan
Snowbird🌀	FP Genetics
Snowstar🌀	SeCan
Whitehawk🌀	SeCan
Canada Western Soft White Spring	
AAC Chiffon🌀	SeedNet
AAC Indus🌀	SeCan
AC Andrew	SeCan
Sadash🌀	SeCan
Canada Western General Purpose	
AAC Innova🌀	Alliance Seed
AAC NRG097🌀	CANTERRA SEEDS
AAC Proclaim🌀	FP Genetics
CDC NRG003🌀	CANTERRA SEEDS
Minnedosa	SeCan
NRG010🌀	CANTERRA SEEDS
Pasteur	SeCan
SY087🌀	Syngenta Canada Inc.
WFT603	Western Feed Grains Development Co-op Ltd.

SPRING WHEAT

Canada Western Interim Wheat	
Elgin ND🌀	FP Genetics
Faller	Seed Depot
Prosper🌀	Seed Depot
Canada Western Amber Durum	
AAC Cabri🌀	SeCan
AAC Congress🌀	CANTERRA SEEDS
AAC Current🌀	Alliance Seed
AAC Durafield🌀	SeCan
AAC Marchwell VB🌀	SeCan
AAC Raymore🌀	SeCan
AAC Spitfire🌀	SeCan
Brigade🌀	CPS Canada Inc.
CDC Alloy	FP Genetics
CDC Carbide VB🌀	CPS Canada Inc.
CDC Desire🌀	Syngenta Canada Inc.
CDC Dynamic🌀	CPS Canada Inc.
CDC Fortitude🌀	CPS Canada Inc.
CDC Precision🌀	Alliance Seed
CDC Verona🌀	Alliance Seed
CDC Vivid🌀	CPS Canada Inc.
Enterprise🌀	CANTERRA SEEDS
Eurostar🌀	SeCan
Strongfield🌀	SeCan
Transcend🌀	FP Genetics

WINTER WHEAT

Canada Western Red Winter	
AAC Elevate🌀	SeCan
AAC Gateway🌀	Seed Depot
CDC Buteo	SeCan
CDC Chase	CANTERRA SEEDS
Emerson🌀	CANTERRA SEEDS
Flourish🌀	SeCan
McClintock🌀	CANTERRA SEEDS
Moats🌀	SeCan
Canada Western General Purpose	
Accipiter🌀	SeCan
Broadview🌀	CANTERRA SEEDS
CDC Falcon	SeCan
CDC Ptarmigan	Western Ag
Peregrine🌀	SeCan
Sunrise	Western Ag
Swainson	Department of Plant Sciences, U of S

FALL RYE

Danko	FP Genetics
Hazlet	SeCan
Prima	SeCan
Hybrid Fall Rye	
Brasetto	FP Genetics
Guttino	SeedNet

DISTRIBUTOR**PHONE NUMBER**

AAFC - Cereal Research Centre	1-204-578-6601
Alliance Seed	1-877-270-2890
CANTERRA SEEDS	1-877-439-7333
Cargill Ltd.	1-888-855-8558
CPS Canada Inc.	1-306-569-5027
Crop Development Centre	1-306-966-8195
Department of Plant Sciences, U of S	1-306-931-9299
Faurschou Farms Ltd. III	1-204-857-7109
FP Genetics	1-877-791-1045
La Coop Federee	1-450-670-2231
Richardson Pioneer	1-204-934-5166
SeCan	1-800-665-7333
Seed Depot	1-204-825-2000
SeedNet	1-403-952-0913
Syngenta Canada Inc.	1-877-964-3682
Western Ag	1-306-978-0373
Western Feed Grains Development Co-op Ltd.	1-877-250-1552

Growers List



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AC METCALFE ☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
St.Leon; Pembina Co-Op.....	204-535-2598	C

BENTLEY ☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Pilot Mound; Wallace, Brad & Joe	204-825-2628	R
Winnipeg; Canterra Seeds Ltd.	204-988-9750	C

CANMORE ☼

Warren; Riddell, Craig Thomas	204-227-5679	F
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CDC AUSTENSON ☼

Darlingford; Dudgeon, Gilbert Arthur.....	204-246-2357	C
Dauphin; Durston, Scott L., Dean D. & James A.	204-638-5569	F
Decker; Murray, Donald H. & Ryan.....	204-764-2733	C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	R C
Inglis; Jackson, Glenn & Carman	204-564-2293	C
Killarney; Brinkschulte, Hermann	204-523-7464	C
Miniota; Walker, Alan Glen	204-567-3647	C
Miniota; Walker, Lawrence William	204-567-3647	F
Newdale; Wareham, Bruce E. & Shayne	204-849-2112	R
Oakville; Miller, Darcy Charles	204-267-2363	C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	R
Plumas; Tonn, Todd	204-386-2206	S F
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) .	204-877-3813	C
Stonewall; Unger, Ronald K. & Darcy.....	204-467-8630	R
Swan River; Alford, Wayne G.	204-734-2526	R
Warren; Jones, Gavin R.....	204-322-5604	S
Winkler; Ens, Abram E. & Chris & Friesen, Jake	204-325-4658	C

CDC COPELAND ☼

Oak Lake; Smith, Gerald R. & Leigh E.....	204-855-3128	C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) .	204-877-3813	C
Virten; Heaman, Douglas J., Walter, Robert, Kenneth,		
Brett & Brittany	204-748-2666	C

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CDC COWBOY ☼

Solsgrith; Nickel, James D. & John H. & Kevin J. &		
J.Gordon	204-842-3757	C

CDC KINDERSLEY ☼

Mather; Mc Lennan, Donald D.....	204-529-2372	C
Swan River; Oberlin, Walter John & George.....	204-734-2292	C
Warren; Jones, Gavin R.....	204-322-5604	F R

CDC MAVERICK ☼

Crystal City; Buchanan, Kenneth S. & Dean K.....	204-873-2661	R
Ste. Rose; Gagnon, Arthur Donald.....	204-447-2118	F

CDC MEREDITH ☼

Miami; Elias, Isaac.....	204-745-3301	C
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CELEBRATION ☼

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Decker; Murray, Donald H. & Ryan.....	204-764-2733	C
Mac Gregor; Hulme, Lorne.....	204-685-2627	R
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) .	204-877-3813	R C
Ste. Rose; Gagnon, Arthur Donald.....	204-447-2118	C

CONLON ☼

Crystal City; Smith, R. Wally.....	204-873-2352	C
Glenboro; Jefferies, Ron.....	204-827-2102	C
Grosse Isle; Rutherford, Rick	204-467-5613	C
Pilot Mound; Seed Depot Corporation	204-825-2000	C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	C
Portage; Pugh, William G. & B.M.....	204-274-2179	C
Somerset; Sierens, Joseph & Chris	204-744-2883	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.....	204-355-4495	C
Ste. Rose; Gagnon, Arthur Donald.....	204-447-2118	C
Wawanessa; Ellis, Warren P. & Simon.....	204-824-2290	C

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DESPERADO ☼

Plumas; Tonn, Todd 204-386-2206 R

LACEY

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

NEWDALE ☼

Binscarth; Pizzey, J. David 403-609-3588 R
Boissevain; Armstrong, Duncan T. & A.J. 204-534-2566 R
Domain; Manness, Ronald & Patricia & Graeme 204-736-2622 C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom 204-736-2849 C
Hamiota; Knight, Ronald M. & Jeff 204-764-2450 C
Oak River; Henry, Cameron & Mc Lean, Eric 204-566-2422 R
Russell; Woroneski, Frank M. 204-773-3262 S C
Souris; Kohut, Anton 204-483-2004 R
Souris; Kohut, David Anton 204-483-3063 F
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G. 204-355-4495 C

TRADITION

Letellier; Barnabe, Roger 204-737-2000 C
Winnipeg; James, David G. 204-222-8785 C

OATS

AAC JUSTICE ☼

Binscarth; Pizzey, Tim V. 204-683-2316 R
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom 204-736-2849 R C
Mac Gregor; Hulme, Lorne 204-685-2627 R
Oakville; Miller, Darcy Charles 204-267-2363 R

CDC BALER

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

CDC BIG BROWN ☼

Oakville; Miller, Darcy Charles 204-267-2363 C

CDC DANCER ☼

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

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CDC HAYMAKER ☼

Dauphin; Durston, Scott L., Dean D. & James A. 204-638-5569 R
Warren; Riddell, Craig Thomas 204-227-5679 S R
Winnipeg; James, David G. 204-222-8785 C

CDC MORRISON ☼

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

CS CAMDEN ☼

Carman; Krahn, Myron 204-745-1938 R
Dufrost; Catellier, Patrick Raymond 204-347-5503 R
Fannystelle; Nadeau, Brian 204-436-2469 C
Homewood; Froebe, Bruce D. & Murray 204-745-6655 R
Manitou; Sanders, Andre O. & Daniel 204-242-2576 F
Miniota; Walker, Alan Glen 204-567-3647 R
Morris; Dueck, Arthur 204-746-2026 R
Morris; Hamblin, David & Lorraine 204-746-4779 C
Pilot Mound; Wallace, Brad & Joe 204-825-2628 C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) . 204-877-3813 C
Sanford; Bergen, Edward Harry & Tim 204-736-2278 F R
St. Claude; Rouire, Roland & Guy 204-379-2582 C
Stonewall; Unger, Ronald K. & Darcy 204-467-8630 S F R
Winkler; Ens, Abram E. & Chris & Friesen, Jake 204-325-4658 R

FURLONG ☼

Mac Gregor; Hulme, Lorne 204-685-2627 S F

GEHL ☼

Fisher Branch; Danelak, George & Harvey G. 204-372-6236 F
Landmark; Gehrer, Uli 204-326-8439 R

PINNACLE ☼

Boissevain; Froese, Wesley A.J. & Ian 204-534-6846 R C
Mac Gregor; Hulme, Lorne 204-685-2627 R
Rosser; Krym, Lynden 204-467-5143 R

RONALD ☼

Rosenort; Friesen, Lloyd 204-746-8198 C

SOURIS ☼

Arborg; Timchishen, Donald Victor & Darcy 204-376-5116 C
Boissevain; Froese, Wesley A.J. & Ian 204-534-6846 C
Brandon; Wheat City Seeds Ltd. 204-727-3337 C
Brandon; Whetter, Rodney & Darren 204-727-0045 C
Carman; Menold, Ulrich & Lucas 204-745-2822 C



The Manitoba seed industry lost a great friend and innovator this fall with the passing of John Mclean Smith. John had a deep love for farming and the seed business and was always nudging us forward with his gentle, persuasive manner. Front and center was John's desire to create opportunity for his fellow seed growers and farmers through the introduction of top performing cereal seed varieties.

John will also be remembered for his love of family, community and those less fortunate. His warmth and laughter, his wisdom and his deep abiding strength of character will be sorely missed by all who knew him.

John Smith (left), Walt Smith (middle) and Thomas Thiessen (right).

Submitted by a colleague

OATS

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Domain; Wiens, Robert Frank	204-736-2951	C
Elm Creek; Runne, James Armin	204-436-3321	C
Glenboro; Jefferies, Ron	204-827-2102	C
Homewood; Froebe, Bruce D. & Murray	204-745-6655	C
Mac Gregor; Hulme, Lorne	204-685-2627	C
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	C
Pilot Mound; Seed Depot Corporation	204-825-2000	C
Pilot Mound; Smith, John M. & Walter George	204-825-2715	C
Rivers; Redsper Ent. Ltd.	204-328-5346	C
Rosenort; Friesen, Rick	204-746-8325	C
Sanford; Bergen, Edward Harry & Tim	204-736-2278	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
Ste. Rose; Gagnon, Arthur Donald	204-447-2118	C
Virde; Heaman, Douglas J., Walter, Robert, Kenneth, Brett & Brittany	204-748-2666	C
Wawanesa; Ellis, Warren P. & Simon	204-824-2290	C
Winnipeg; James, David G.	204-222-8785	C

STRIDE ☼

Carman; Menold, Thomas	204-745-3377	R
Portage; Sanderson, Garry	204-857-8406	C
Swan River; Oberlin, Walter John & George	204-734-2292	C
Warren; Riddell, Craig Thomas	204-227-5679	S F

SUMMIT ☼

Dauphin; Kaleta, James & Debra	204-638-7800	C
Decker; Murray, Donald H & Ryan	204-764-2733	C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S F C
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F R C

OATS

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

Fannystelle; Nadeau, Brian	204-436-2469	C
Gladstone; Milne, Wilmot George	204-385-2486	R C
Grosse Isle; Rutherford, Rick	204-467-5613	C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	R C
Killarney; Chatham, Don & Linda	204-523-8412	C
Minto; Ayre, Andrew	204-776-2333	C
Morris; Hamblin, David & Lorraine	204-746-4779	R
Newdale; Wareham, Bruce E. & Shayne	204-849-2112	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	F
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	S C
Rosenort; Friesen, Lloyd	204-746-8198	C
Rosenort; Friesen, Rick	204-746-8325	S R C
Somerset; Sierens, Joseph & Chris	204-744-2883	S C
Souris; Kohut, Anton	204-483-2004	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
Swan River; Alford, Wayne G.	204-734-2526	C
Winnipeg; James, David G.	204-222-8785	C

TRIACTOR ☼

Morris; Dueck, Arthur	204-746-2026	C
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DURUM WHEAT

AAC CURRENT ☼

Winnipeg; Alliance Seed Corporation	204-272-2890	C
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Cardale Performance on our Farm

- Our top yielding wheat last two years
- Cardale 79.5 Bus/A on 494 Acres in 2014
- Outyielded our Brandon and CDC Go

"We left our Cardale to harvest last...still Cardale did not sprout or shatter and kept its colour!"

Lucas and Ulrich Menold



"Straight Cut"
Cardale
*"More Wheat...
 Less Shatter"*

- ✓ **Consistent Yields & Protein**
- ✓ **Less Sprouting - Weathering**
- ✓ **Best Fusarium Performance**
- ✓ **Semi dwarf**
- ✓ **Faster Harvest Speeds**

"Working Hard To Earn Your Trust"

SPRING WHEAT

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

5605HR CL ☼		
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C
Foxwarren; Falloon, Larry	204-683-2247	R
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	C
AAC BRANDON ☼		
Altona; Sawatzky, John	204-324-4018	C
Altona; Wiebe, Henry D. & Lloyd	204-324-8036	C
Arborg; Burak, John & Roger	204-364-2480	C
Arborg; Timchishen, Donald Victor & Darcy	204-376-5116	R C
Baldur; Desrochers, David Oscar	204-535-2090	R
Binscarth; Cook, Gerry	204-532-2268	C
Binscarth; Pizzey, J. David	403-609-3588	C
Binscarth; Pizzey, Tim V.	204-683-2316	S R C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	R C
Boissevain; Latimer, Kevin B. & Duane E.	204-534-6631	C
Boissevain; Martens, Ben F. & John J. & Ryan	204-534-6952	C
Brandon; Martens, David	204-728-5510	C
Brandon; Wheat City Seeds Ltd.	204-727-3337	C
Brandon; Whetter, Rodney & Darren	204-727-0045	C
Carman; Dyck, Ron A.	204-745-3415	C
Carman; Krahn, Myron	204-745-1938	R
Carman; Menold, Thomas	204-745-3377	R
Carman; Menold, Ulrich & Lucas	204-745-2822	S F
Carman; Park, Robert J.	204-745-3304	C
Crandall; Doupe, Neil D.	204-562-3632	C
Cromer; Bartel, Bob	204-662-4580	C
Crystal City; Buchanan, Kenneth S. & Dean K.	204-873-2661	R
Crystal City; Fallis, J. Allan & Mark A.	204-873-2305	F C
Darlingford; Dudgeon, Gilbert Arthur	204-246-2357	C
Darlingford; Wilson, James M.	204-246-2388	R

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

SPRING VARIETIES AVAILABLE – RED SPRING

AAC Brandon	A cross between Superb & CDC Osler, highest yield-er on our farm good protein, short strong straw, resistance to leaf, stem & stripe rust, and smut. (MR rating to FHB). * Highest yielder on our farm
CDC GO	Short Strong Straw, Very High Yielder, Good Protein
AC Carberry	Short, High Yielder

OATS

AC Stride	High test weight & yield, high protein, resistance to smut, and most races of crown rust.
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WINTER WHEAT

AC Flourish	Short Strong Straw, Eligible for Select Class Higher protein than Falcon
Moats	Out yields Buteo Height and Lodging similar to Buteo

SPRING WHEAT

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Dauphin; Fisher, Roderick Allan & Douglas James.....	204-622-8800	C
Dauphin; Kaleta, James & Debra	204-638-7800	C
Dauphin; Ritchie, Raymond	204-638-7543	C
Decker; Murray, Donald H. & Ryan.....	204-764-2733	C
Deloraine; Bolduc, Ronald And Bell, A.J. & J.C.....	204-747-2913	C
Domain; Pitura, Carl & Calvin C. & Connor J. &		
Greaves, Tom	204-736-2849	S F R
Dufrost; Catellier, Patrick Raymond.....	204-347-5503	R
Dufrost; Catellier, Roger & Richard	204-347-5588	R
Elie; Lachance, J.B. Adrien & Paul M. & Lionel.....	204-353-2694	C
Elphinstone; Gerrard, Jody.....	204-759-2213	C
Fannystelle; Nadeau, Brian	204-436-2469	C
Foxwarren; Falloon, Larry	204-683-2247	C
Foxwarren; Graham, George Arthur	204-683-2367	R C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	R
Glenboro; Jefferies, Ron.....	204-827-2102	R
Grandview; Storey, R. Kip & Troy K.	204-546-2590	C
Grosse Isle; Rutherford, Rick	204-467-5613	R
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	R C
Holland; Patenaude, Donald & Robert	204-526-2391	R
Holland; Vigar, Murray & Gary.....	204-526-2108	R
Homewood; Froebe, Bruce D. & Murray	204-745-6655	C
Inglis; Beischer, Derrick.....	204-564-2117	C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012	R
Lowe Farm; Sawatzky, Matt	204-746-2187	C
Mac Gregor; Hulme, Lorne.....	204-685-2627	S R C
Manitou; Sanders, Andre O. & Daniel	204-242-2576	R
Mather; Mc Lennan, Donald D.....	204-529-2372	R
Miami; Elias, Isaac.....	204-745-3301	R
Miniota; Walker, Alan Glen	204-567-3647	R
Minto; Fraser, A. Jay C.....	204-776-7722	C
Minto; Fraser, Rick G.	204-776-2047	R C
Morris; Dueck, Arthur	204-746-2026	C
Morris; Hamblin, David & Lorraine	204-746-4779	R
Newdale; Wareham, Bruce E. & Shayne	204-849-2112	C
Notre Dame; Durand, Gabriel A. & Marc.....	204-248-2268	F R
Notre Dame; Durand, Leo	204-248-2372	S
Oak Bluff; Gousseau, Marcel E.	204-895-1357	R
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	F C
Pilot Mound; Cavers, Landon	204-825-2012	R
Pilot Mound; Wallace, Brad & Joe	204-825-2628	S R C
Plum Coulee; Janzen, Ken & Ernie A.	204-829-7749	S F R
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	R
Plumas; Tonn, Todd	204-386-2206	S C
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	S F R
Portage; Sanderson, Garry	204-857-8406	S F R
Portage; Sissons, Grant G., Donald Angus & Blye	204-857-7341	S F R
Reston; Greig, Fred L. & Fotheringham, John A. (Jack)	204-877-3813	C
Rivers; Redspur Ent. Ltd.....	204-328-5346	C
Rosenort; Friesen, Rick	204-746-8325	F R C
Rosburn; Mitchell, John	204-859-2431	R
Russell; Keating, Mark.....	204-773-3854	C
Sanford; Bergen, Edward Harry & Tim	204-736-2278	S F R
Sanford; Schlichting, Martin.....	204-736-4068	C
Solsgirth; Nickel, James D. & John H. & Kevin J. &		
J.Gordon	204-842-3757	C
Somersett; Sierens, Joseph & Chris	204-744-2883	R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	R
St. Claude; Rouire, Roland & Guy	204-379-2582	R
St. Joseph; Parent, Renald & Paul	204-737-2625	R
St. Joseph; Remillard, Aime J.....	204-737-2230	C
St. Leon; Labossiere, Luc N. & Rejean F.....	204-744-2208	F R
St. Leon; Pembina Co-Op.....	204-535-2598	C
Ste. Rose; Gagnon, Arthur Donald.....	204-447-2118	C
Stonewall; Unger, Ronald K. & Darcy.....	204-467-8630	R
Swan River; Oberlin, Walter John & George.....	204-734-2292	C
Teulon; Willis, Kyle	204-886-2948	C
Teulon; Willis, Lyle	204-886-2948	C
Treherne; Stinson, Gary Donald	204-723-2319	R
Viriden; Hutchison, Barry	204-851-6157	C
Warren; Jones, Gavin R.....	204-322-5604	R
Warren; Riddell, Craig Thomas	204-227-5679	S R
Wawanesa; Ellis, Warren P. & Simon.....	204-824-2290	R C
Winkler; Ens, Abram E. & Chris & Friesen, Jake	204-325-4658	R
Winnipeg; James, David G.	204-222-8785	C

SPRING WHEAT

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AAC CONNERY☼

Morris; Dueck, Arthur	204-746-2026	R
Somerset; Sierens, Joseph & Chris	204-744-2883	F R
Winkler; Ens, Abram E. & Chris & Friesen, Jake	204-325-4658	F

AAC ELIE☼

Baldur; Desrochers, David Oscar	204-535-2090	R C
Binscarth; Pizzey, Tim V.	204-683-2316	R
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Crandall; Doupe, Neil D.	204-562-3632	R
Crystal City; Fallis, J. Allan & Mark A.	204-873-2305	C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R C
Elphinstone; Gerrard, Jody	204-759-2213	R C
Grosse Isle; Rutherford, Rick	204-467-5613	R
Holland; Kubinec, Anastasia	204-526-2776	C
Mather; Mc Lennan, Donald D.	204-529-2372	C
Plumas; Tonn, Todd	204-386-2206	R
Rosenort; Friesen, Rick	204-746-8325	C
Virde; Heaman, Douglas J., Walter, Robert, Kenneth,		
Brett & Brittany	204-748-2666	C

AAC NRG097☼

Miniota; Walker, Lawrence William	204-567-3647	S F
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AAC PENHOLD☼

Arborg; Timchishen, Donald Victor & Darcy	204-376-5116	R
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	R
Brandon; Wheat City Seeds Ltd.	204-727-3337	R
Carman; Menold, Ulrich & Lucas	204-745-2822	R
Domain; Pitura, Carl & Calvin C. & Connor J. &		
Greaves, Tom	204-736-2849	S F
Dufrost; Catellier, Roger & Richard	204-347-5588	C
Fannystelle; Nadeau, Brian	204-436-2469	R
Lowe Farm; Sawatsky, Matt	204-746-2187	R
Minto; Fraser, Rick G.	204-776-2047	C
Morris; Dueck, Arthur	204-746-2026	S R
Oak Bluff; Gousseau, Marcel E.	204-895-1357	R
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	F R
Pilot Mound; Wallace, Brad & Joe	204-825-2628	C
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	R
Rosenort; Friesen, Lloyd	204-746-8198	C
Sanford; Bergen, Edward Harry & Tim	204-736-2278	S R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
St. Leon; Labossiere, Luc N. & Rejean F.	204-744-2208	C
Teulon; Willis, Kyle	204-886-2948	C
Warren; Riddell, Craig Thomas	204-227-5679	S F
Winkler; Ens, Abram E. & Chris & Friesen, Jake	204-325-4658	S F C

AAC REDWATER☼

Inglis; Jackson, Glenn & Carman	204-564-2293	R
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AAC W1876☼

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C
Dauphin; Kaleta, James & Debra	204-638-7800	S F C
Morris; Dueck, Arthur	204-746-2026	F

AC DOMAIN

Dauphin; Ritchie, John Ross & Raymond	204-638-7543	C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	C
Kenville; Carmichael, John A.	204-734-3913	R C
Russell; Woroneski, Frank M.	204-773-3262	R
Swan River; Oberlin, Walter John & George	204-734-2292	C

AC SPLENDOR

Kenville; Carmichael, John A.	204-734-3913	F
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CARBERRY☼

Binscarth; Cook, Gerry	204-532-2268	C
Binscarth; Pizzey, Tim V.	204-683-2316	R
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Brandon; Wheat City Seeds Ltd.	204-727-3337	C
Brandon; Whetter, Rodney & Darren	204-727-0045	C
Clearwater; Bere, Craig R.	204-529-2558	C
Darlingford; Dudgeon, Gilbert Arthur	204-246-2357	C
Dauphin; Kaleta, James & Debra	204-638-7800	C
Dauphin; Ritchie, John Ross & Raymond	204-638-7543	C
Dauphin; Ritchie, Raymond	204-638-7543	C
Decker; Murray, Donald H. & Ryan	204-764-2733	C
Deloraine; Bolduc, Ronald And Bell, A.J. & J.C.	204-747-2913	C
Elphinstone; Gerrard, Jody	204-759-2213	C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	R
Grandview; Storey, R. Kip & Troy K.	204-546-2590	C
Inglis; Jackson, Glenn & Carman	204-564-2293	C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012	C
Killarney; Chatham, Don & Linda	204-523-8412	C
Miniota; Walker, Alan Glen	204-567-3647	C
Minto; Ayre, Andrew	204-776-2333	C
Minto; Fraser, Rick G.	204-776-2047	R
Newdale; Wareham, Bruce E. & Shayne	204-849-2112	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	R
Oakville; Miller, Darcy Charles	204-267-2363	R
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	F
Plumas; Tonn, Todd	204-386-2206	F R
Portage; Sissons, Grant G., Donald Angus & Blye	204-857-7341	F R
Rivers; Krahn, Abe M., Ronald J. & Robert A.	204-328-7189	R
Rivers; Redspen Ent. Ltd.	204-328-5346	C
Rosburn; Mitchell, John	204-859-2431	C
St. Claude; Rouire, Roland & Guy	204-379-2582	R
Swan River; Oberlin, Walter John & George	204-734-2292	C

Trust "Straight Cut"
CARDALE
 "More Wheat...Less Shatter"



www.seeddepot.ca



Canadian
 Foodgrains
 Bank
 We would like to
 provide complimentary
 Cardale seed to CFCB
 growing projects

SPRING WHEAT

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CARDALE☼

Altona; Wiebe, Henry D. & Lloyd	204-324-8036	C
Arborg; Timchishen, Donald Victor & Darcy	204-376-5116	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Brandon; Wheat City Seeds Ltd.	204-727-3337	C
Carman; Menold, Ulrich & Lucas	204-745-2822	S F
Carman; Park, Robert J.	204-745-3304	R
Crystal City; Fallis, J. Allan & Mark A.	204-873-2305	R
Dauphin; Kaleta, James & Debra	204-638-7800	C
Domain; Pitura, Carl & Calvin C. & Connor J. &		
Greaves, Tom	204-736-2849	C
Domain; Wiens, Robert Frank	204-736-2951	C
Dufrost; Catellier, Patrick Raymond	204-347-5503	C
Elphinstone; Gerrard, Jody	204-759-2213	C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	R C
Glenboro; Jefferies, Ron	204-827-2102	C
Grosse Isle; Rutherford, Rick	204-467-5613	C
Holland; Zeghers, Shawn M.	204-526-2366	C
Homewood; Froebe, Bruce D. & Murray	204-745-6655	F C
Killarney; Brinkschulte, Hermann	204-523-7464	C
Mac Gregor; Hulme, Lorne	204-685-2627	R C
Minto; Ayre, Andrew	204-776-2333	C
Morris; Hamblin, David & Lorraine	204-746-4779	R
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Pilot Mound; Seed Depot Corporation	204-825-2000	S F R C
Pilot Mound; Smith, John M. & Walter George	204-825-2715	S R
Plum Coulee; Janzen, Ken & Ernie A.	204-829-7749	C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	R
Portage; Pugh, William G. & B.M.	204-274-2179	R C

SPRING WHEAT

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Rosenort; Friesen, Lloyd	204-746-8198	R
Rosenort; Friesen, Rick	204-746-8325	R
Sanford; Bergen, Edward Harry & Tim	204-736-2278	R C
Solsgrith; Nickel, James D. & John H. & Kevin J. &		
J.Gordon	204-842-3757	C
Somerset; Sierens, Joseph & Chris	204-744-2883	R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
St. Claude; Rouire, Roland & Guy	204-379-2582	C
St. Joseph; Parent, Renald & Paul	204-737-2625	C
Ste. Rose; Gagnon, Arthur Donald	204-447-2118	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	R C
Swan River; Alford, Wayne G.	204-734-2526	R
Teulon; Willis, Kyle	204-886-2948	C
Virten; Heaman, Douglas J., Walter, Robert, Kenneth,		
Brett & Brittany	204-748-2666	C
Wawanesa; Ellis, Warren P. & Simon	204-824-2290	R C
Winkler; Ens, Abram E. & Chris & Friesen, Jake	204-325-4658	S F C
Winnipeg; James, David G.	204-222-8785	C

CDC BRADWELL☼

Carman; Mc Cutcheon, Shawn Milton	204-745-3245	F R
Dauphin; Kaleta, James & Debra	204-638-7800	F
Warren; Jones, Gavin R.	204-322-5604	S F

CDC GO

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Brandon; Martens, David	204-728-5510	R
Minto; Fraser, Rick G.	204-776-2047	C



Midge tolerant wheat protects your crop against devastating pest damage, but it's up to you to protect the technology. The Stewardship Agreement limits the use of farm-saved seed to one generation past Certified seed. It's a simple step that keeps the interspersed refuge system at the proper level, preventing build-up of resistant midge. Without the refuge, we risk losing the one and only tolerant gene. There is no plan B.

Protect this important tool. Plan for high yields and quality grades for years to come. Contact your retailer or visit www.midgetolerantwheat.ca.

SPRING WHEAT

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CDC PLENTIFUL ☼

Baldur; Desrochers, David Oscar.....	204-535-2090	S	R	C
Binscarth; Pizzey, Tim V.....	204-683-2316			C
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566			C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846			C
Cromer; Bartel, Patrick	204-662-4466			C
Dauphin; Kaleta, James & Debra	204-638-7800			R
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S	F	R
Fannystelle; Nadeau, Brian	204-436-2469			R
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805			R
Gladstone; Milne, Wilmot George.....	204-385-2486			C
Grandview; Storey, R. Kip & Troy K.	204-546-2590			R
Hamiota; Knight, Ronald M. & Jeff	204-764-2450			R
Inglis; Beischer, Derrick.....	204-564-2117			C
Inglis; Jackson, Glenn & Carman	204-564-2293			C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012			C
Killarney; Brinkschulte, Hermann	204-523-7464			C
Killarney; Chatham, Don & Linda	204-523-8412			C
Manitou; Sanders, Andre O. & Daniel	204-242-2576			R
Minto; Ayre, Andrew	204-776-2333			C
Newdale; Wareham, Bruce E. & Shayne	204-849-2112			C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354			C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack)	204-877-3813			C
Rivers; Redsper Ent. Ltd.....	204-328-5346			C
Rosenort; Friesen, Lloyd	204-746-8198			C
Russell; Woroneski, Frank M.	204-773-3262	S		R
Somerset; Sierens, Joseph & Chris	204-744-2883	S	F	R
Souris; Kohut, David Anton	204-483-3063			C
St. Claude; Rouire, Roland & Guy	204-379-2582			C
Swan River; Alford, Wayne G.	204-734-2526	S	F	R

CDC STANLEY ☼

Plum Coulee; Janzen, Ken & Ernie A.....	204-829-7749			C
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CDC TITANIUM VB ☼

Regina; Proven Seed/ Crop Production Services (Canada) Inc.	306-569-5027			C *
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CDC UTMOST VB ☼

Binscarth; Pizzey, Tim V.....	204-683-2316			C *
Inglis; Jackson, Glenn & Carman	204-564-2293			C *
Russell; Keating, Mark.....	204-773-3854			C *

CDC VR MORRIS ☼

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566			C
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GLENN ☼

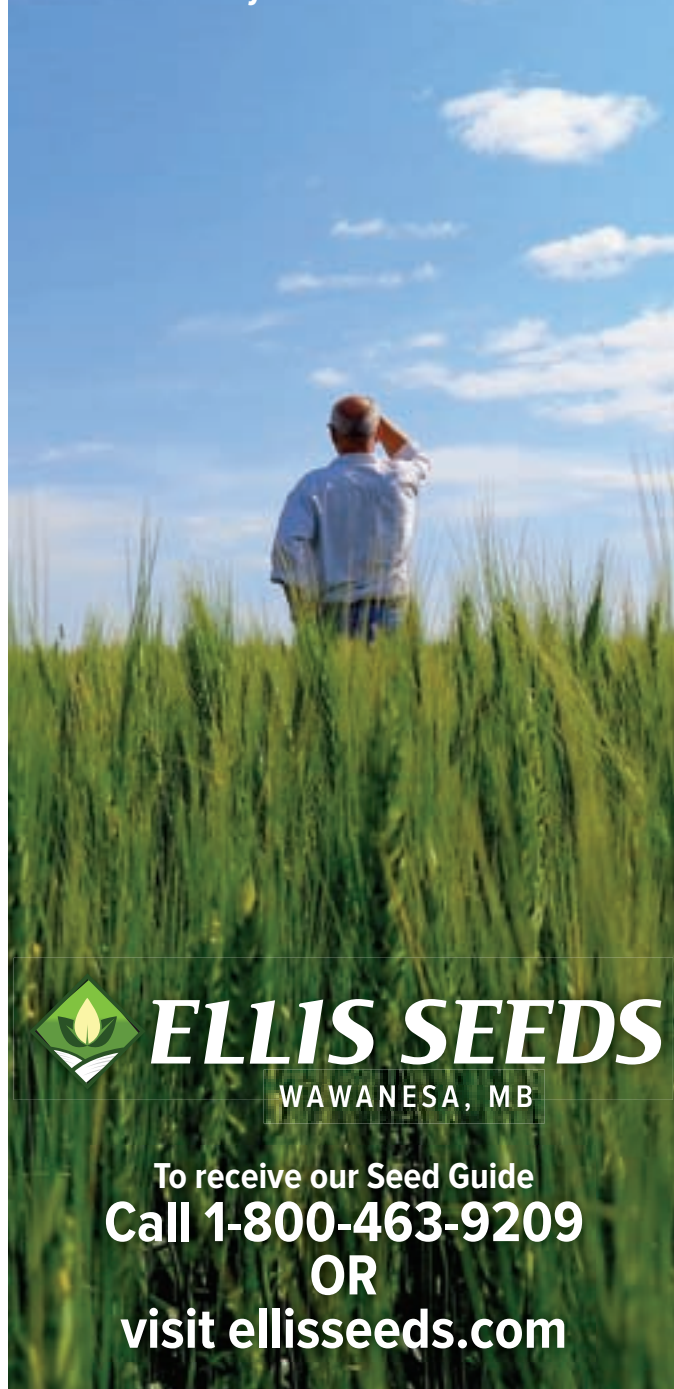
Brandon; Wheat City Seeds Ltd.	204-727-3337			C
Crandall; Doupe, Neil D.	204-562-3632			C
Dauphin; Kaleta, James & Debra	204-638-7800			C
Decker; Murray, Donald H. & Ryan.....	204-764-2733			C
Glenboro; Jefferies, Ron.....	204-827-2102			C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012			C
Killarney; Brinkschulte, Hermann	204-523-7464			C
Mac Gregor; Hulme, Lorne.....	204-685-2627			C
Miniota; Walker, Alan Glen	204-567-3647			C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422			C
Portage; Sissons, Grant G., Donald Angus & Blye	204-857-7341			C
Rivers; Redsper Ent. Ltd.....	204-328-5346			C
Russell; Keating, Mark.....	204-773-3854			C

HARVEST ☼

Baldur; Desrochers, David Oscar.....	204-535-2090			C
Binscarth; Pizzey, J. David.....	403-609-3588			C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846			C
Brandon; Wheat City Seeds Ltd.	204-727-3337			C
Grandview; Storey, R. Kip & Troy K.	204-546-2590			R
Hamiota; Knight, Ronald M. & Jeff	204-764-2450			C
Inglis; Beischer, Derrick.....	204-564-2117			C
Inglis; Jackson, Glenn & Carman	204-564-2293			C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012			C
Killarney; Chatham, Don & Linda	204-523-8412			C

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Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	R
Pilot Mound; Smith, John M. & Walter George	204-825-2715	C
Russell; Keating, Mark	204-773-3854	C
Somerset; Sierens, Joseph & Chris	204-744-2883	R C
Souris; Kohut, Anton	204-483-2004	C
Souris; Kohut, David Anton	204-483-3063	F

MUCHMORE ☼

Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	F R
Killarney; Chatham, Don & Linda	204-523-8412	C
Newdale; Wareham, Bruce E. & Shayne	204-849-2112	C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	C
Souris; Kohut, Anton	204-483-2004	R
Souris; Kohut, David Anton	204-483-3063	R

PASTEUR

Carman; Park, Robert J.	204-745-3304	C
Crandall; Doupe, Neil D.	204-562-3632	C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S F R
Elm Creek; Runne, James Armin	204-436-3321	C
Mac Gregor; Hulme, Lorne	204-685-2627	R C
Morris; Dueck, Arthur	204-746-2026	C
Oakville; Miller, Darcy Charles	204-267-2363	R
Rivers; Redsper Ent. Ltd.	204-328-5346	C
Sanford; Bergen, Edward Harry & Tim	204-736-2278	R
St. Claude; Rouire, Roland & Guy	204-379-2582	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	R
Virden; Hutchison, Barry	204-851-6157	C
Warren; Riddell, Craig Thomas	204-227-5679	C

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SNOWSTAR ☼

Killarney; Chatham, Don & Linda	204-523-8412	C
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SY433 ☼

Deloraine; Bolduc, Ronald And Bell, A.J. & J.C.	204-747-2913	R
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THORSBY ☼

Manitou; Sanders, Andre O. & Daniel	204-242-2576	F
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WFT603

Minnedosa; Galbraith, Neil	204-874-2206	C
Minto; Rourke, David	204-776-5557	R

WR859 CL ☼

Mather; Mc Lennan, Donald D.	204-529-2372	C
Winnipeg; Richardson International Ltd.	204-934-5994	R C
Winnipeg; Richardson International Ltd.	204-934-5994	R C

WINTER WHEAT

AAC GATEWAY ☼

Altona; Wiebe, Henry D. & Lloyd	204-324-8036	R
Brandon; Wheat City Seeds Ltd.	204-727-3337	R
Crystal City; Smith, R. Wally	204-873-2352	R
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	R
Dufrost; Catellier, Patrick Raymond	204-347-5503	R
Elphinstone; Gerrard, Jody	204-759-2213	R
Lowe Farm; Sawatsky, Matt	204-746-2187	R
Mac Gregor; Hulme, Lorne	204-685-2627	C
Morris; Hamblin, David & Lorraine	204-746-4779	R
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	R
Pilot Mound; Seed Depot Corporation	204-825-2000	R
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	R
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack)	204-877-3813	R
Rosenort; Friesen, Lloyd	204-746-8198	R
Sanford; Bergen, Edward Harry & Tim	204-736-2278	S F R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	R
St. Claude; Rouire, Roland & Guy	204-379-2582	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	R
Virden; Heaman, Douglas J., Walter, Robert, Kenneth, Brett & Brittany	204-748-2666	R C
Warren; Riddell, Craig Thomas	204-227-5679	F R
Winnipeg; Grenkow, Bruce & Daniel	204-632-4390	R

CDC CHASE

Winnipeg; Canterra Seeds Ltd.	204-988-9750	S
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EMERSON ☼

Altona; Wiebe, Henry D. & Lloyd	204-324-8036	R
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Crandall; Doupe, Neil D.	204-562-3632	C
Darlingford; Wilson, James M.	204-246-2388	F C
Dauphin; Kaleta, James & Debra	204-638-7800	C
Domain; Johnson, David & Don	204-746-0275	C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S F R
Domain; Pitura, Carl & Calvin C. & Connor J. & Greaves, Tom	204-736-2849	S F R
Dufrost; Catellier, Guy R.	204-347-5534	C
Dufrost; Catellier, Patrick Raymond	204-347-5503	C
Fannystelle; Nadeau, Brian	204-436-2469	R
Grosse Isle; Rutherford, Rick	204-467-5613	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	S C
Holland; Zeghers, Shawn M.	204-526-2366	C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012	R

WINTER WHEAT

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Killarney; Brinkschulte, Hermann	204-523-7464	C
Lowe Farm; Sawatsky, Matt	204-746-2187	C
Miniota; Walker, Alan Glen	204-567-3647	C
Morris; Dueck, Arthur	204-746-2026	S F C
Morris; Hamblin, David & Lorraine	204-746-4779	R
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	C
Portage; Munro, Clarke Allan & Jared Cory & Trevor Clarke	204-857-8272	C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack)	204-877-3813	C
Rivers; Redsper Ent. Ltd.	204-328-5346	C
Rosenort; Friesen, Lloyd	204-746-8198	C
Sanford; Bergen, Edward Harry & Tim	204-736-2278	C
Somerset; Sierens, Joseph & Chris	204-744-2883	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
St. Claude; Rouire, Roland & Guy	204-379-2582	C
St. Joseph; Parent, Renald & Paul	204-737-2625	R
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	S F C
Swan River; Alford, Wayne G.	204-734-2526	R
Thornhill; Rothenburger, Kelvin W.	204-822-1444	R
Viriden; Heaman, Douglas J., Walter, Robert, Kenneth, Brett & Brittany	204-748-2666	C
Warren; Riddell, Craig Thomas	204-227-5679	S F R

FLOURISH ☼

Altona; Wiebe, Henry D. & Lloyd	204-324-8036	C
Elie; Lachance, J.B. Adrien & Paul M. & Lionel	204-353-2694	C
Rosenort; Friesen, Rick	204-746-8325	R C

FALL RYE

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DANKO		
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	R C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	R C
Souris; Kohut, Anton	204-483-2004	R
HAZLET		
Binscarth; Pizzey, Tim V.	204-683-2316	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Brandon; Wheat City Seeds Ltd.	204-727-3337	C
Carman; Krahn, Myron	204-745-1938	C
Carman; Menold, Ulrich & Lucas	204-745-2822	S C
Carman; Park, Robert J.	204-745-3304	C
Dauphin; Durston, Scott L., Dean D. & James A.	204-638-5569	S R C
Holland; Patenaude, Donald & Robert	204-526-2391	C
Winkler; Ens, Abram E. & Chris & Friesen, Jake	204-325-4658	F C
PRIMA		
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	C

TRITICALE

ELEVATOR

Elm Creek; Runne, James Armin	204-436-3321	R
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Hulme Agra Products Inc.	204-685-2627
James Farms Ltd.	204-222-8785
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L&L Farms	204-324-5798
M B Seeds Ltd.	204-746-2187
Manness Seeds	204-736-2622
Miller Agritec	204-267-2363
New Gen Seed Services Ltd.	204-274-2417
Pitura Seed Service Ltd.	204-736-2849
Red River Seeds Ltd.	204-746-4779
Riddell Seed Co.	204-227-5679
RJP Seed Ltd.	204-745-3304
Rutherford Farms	204-467-5613
R-Way Ag Ltd.	866-398-9643
Seine River Seed Farm Ltd.	204-355-4495
Smith Family Seeds	204-825-7810
Southern Seed Ltd.	204-776-2333
Timchishen Seeds	204-376-5116
Unger Seed Farm Ltd.	204-467-8630
Wheat City Seeds	204-727-3337
Wilson Seeds Ltd.	204-246-2119

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¹ Biological fungicide activity is a PMRA registered claim in Canada. ² Source: BASF, 76 Station Years (n sites x n years)

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Variety Description Key

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

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

Except for the long term average yield, variety description information was obtained from the Co-operative Registration Trials. For Relative Maturity, actual number of days will depend on local 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 2016 Yield Tables

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

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

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

Canola Comments

For specific notes regarding the canola tables, refer to the CANOLA COMMENTS at the top of page 49.

Soybean Comments

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

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Canola Comments

The Variety Descriptions table summarizes the performance of canola varieties tested in 2015 through the post-registration Canola Performance Trial (CPT). The CPT information provides data which has been audited by field inspection and data analysis process. The data presented was collected based on a specific scientifically designed protocol to ensure comparisons are unbiased. Detailed notes on other variety attributes and trial management are at www.canolaperformancetrials.ca

Performance at individual locations can be compared within the HT group and between groups, but the best performance indicator is to compare varieties over multiple sites. The trial design included grouping by herbicide tolerance so the LSD (Least Significant Differences) has been included for each HT group to determine if yield difference between varieties are significant. Using the comparisons of the yield performance to the standard 5440, comparisons can be made between HT groups and between small plot and field scale trials.

Data Sources:

Data presentation in the long and mid season canola growing zones trials table (page 52) was collected from small plot/replicated trials that are typically less than ¼ acre in size. Varieties have been entered by the representative marketing company for testing.

Blackleg Rating for Canola

The rating represents a variety's blackleg tolerance relative to the susceptible variety Westar. Varieties with a resistant (R) or moderately resistant (MR) rating for blackleg have shown the greatest ability to suppress blackleg, but can still develop some lesions or cankers. Individual field performance and tolerance may vary from tolerance levels reported in the registration trials. In fields showing higher than expected levels of blackleg or where there has been history of a tight rotation with canola, it may be necessary to lengthen rotation to achieve sufficient blackleg control.

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CANOLA (continued)**Clubroot Resistant Varieties (information from <http://archive.canola-council.org/clubroot/>)**

Clubroot (*Plasmodiophora brassicae*) is a disease of canola, which is long-lived in soil and is difficult to manage once it becomes established. Clubroot has been found at very low concentrations in Manitoba canola fields.

Clubroot resistant varieties are available for planting with resistance to the predominant pathotypes, but are not immune to the disease. With continued use, selection pressure for other clubroot pathotypes may occur that cannot be controlled by varietal resistance. To maintain genetic tools for the long-term, proper crop rotations and agronomic practices are needed.

Current varieties - Bayer CropScience: L135 C, L241C; Brett Young: 6056CR, 6076CR; CANTERRA Seeds: 1960, CS2000; Cargill: V12-3; Crop Production Services: VR 9558 GC, VR 6562 GC, PV 580 GC; DeKalb: 74-47 CR, 74-54 RR, 75-57 CR; Dow AgroSciences: 1020 RR, 2020 CL; DuPont: D3152, D3155C; Pioneer Hi-Bred: 45H29, 45H33; Syngenta: SY4105

CANOLA**SEE CANOLA NOTES****Variety Description**

Distributor	Variety (B.napus)	LONG Season Zone (8 trials)				MID Season Zone (16 trials)				Disease ¹ Tolerance
		Yield 5440%	Maturity (days)	Lodging (1-5)	Height (inches)	Yield 5440%	Maturity (days)	Lodging (1-5)	Height (inches)	
Clearfield										
BrettYoung	5525 CL	98	92	2.3	50	91	96	2.0	48	BL
CANTERRA SEEDS	CS2200CL	94	93	2.5	50	93	97	2.3	47	BL
	LSD (%)	13				17				
Liberty										
Bayer CropScience	5440	100	92.6	1.8	50.6	100	96	1.4	49	BL
Bayer CropScience	L252	117	93.4	2.3	49.1	106	97	2.2	47	BL
Bayer CropScience	L261	108	94.2	2.5	53.8	104	98	1.8	52	BL
Bayer CropScience	L140P	107	91.8	3.5	49.0	99	95	2.8	48	BL
	LSD (%)	10				10				
Roundup										
CANTERRA SEEDS	1990	100	91.9	3.0	46.4	94	96	2.8	46	BL
BrettYoung	6074RR	105	94.8	2.7	49.2	102	98	2.1	47	BL/CR
BrettYoung	6056CR	97	94.6	2.4	49.5	93	98	2.1	47	BL
BrettYoung	6080RR	98	92.6	2.4	47.7	97	97	1.9	48	BL
CANTERRA SEEDS	CS2000	102	93.8	2.4	51.7	99	97	2.6	50	BL/CR
CANTERRA SEEDS	CS2100	102	93.7	2.5	48.4					BL
Syngenta	SY4166	101	92.1	3.0	51.0	98	96	2.9	48	BL
Syngenta	SY4157	105	94.3	2.3	52.2	102	98	2.3	49	BL
Cargill - VICTORY Hybrid	V12-1 *	100	93.4	2.3	50.2	93	96	2.7	47	BL
Cargill - VICTORY Hybrid	V12-3 *	102	93.4	2.7	49.8	99	97	2.9	47	BL/CR
Varieties that have been supported for registration										
DL Seeds	14DL30209	95	92.0	2.8	49.2	93	97	2.8	48	BL
Syngenta	14H1176	108	95.6	2.4	53.2	102	99	2.0	50	BL/CR
Proven Seed / CPS	PS-SY 13-1579	107	94.3	2.0	51.0	100	98	1.6	49	BL
Proven Seed / CPS	PS-SY 13-1651	102	92.3	2.0	47.9	94	96	2.0	46	BL
	LSD (%)	8				9				
CHECK MEAN 5440 (bu/ac)		58				62				

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

¹ Indicates genetic resistance with a "R" or resistant rating to BL=Blackleg; CR=Clubroot



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CANOLA PERFORMANCE TRIAL — Long and Mid Season Zone Plot Location Data

Variety (B.napus)	LONG SEASON ZONE 2015 YIELD (%5440)								MID SEASON ZONE 2015 YIELD (%5440)											
	Beausejour, MB	Elm Creek, MB	Melita, MB	Outlook, SK	Portage la Prairie, MB	Souris, MB	Stonewall, MB	Thornhill, MB	Aberdeen, SK	Arborg, MB	Dauphin, MB	Elstow, SK	Foam Lake, SK	Melfort 1, SK	Nipawin, SK	North Battleford, SK	Saskatoon 1, SK	Saskatoon 2, SK	Vanscoy, SK	Yokton, SK
Clearfield																				
5525 CL	104	108	109	95	83	98	88	99	90	80	95	81	85	92	93	91	90	94	98	98
CS2200CL	102	106	98	82	84	97	83	102	94	80	96	89	85	94	94	90	91	103	96	98
LSD (%)	28	12	9	20	11	21	5	2	15	1	8	33	15	6	14	8	12	27	27	4
Liberty																				
5440	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
L252	141	135	114	112	105	105	108	116	114	108	116	93	109	109	100	105	111	116	98	111
L261	121	114	117	103	95	103	105	103	89	103	109	94	102	111	97	103	111	101	96	116
L140P	129	111	104	102	94	114	97	105	93	97	110	92	94	102	101	100	102	77	91	108
LSD (%)	21	11	15	13	9	6	5	4	9	19	13	17	8	6	14	6	7	14	17	4
Roundup																				
1990	94	103	110	103	91	111	97	95	98	81	111	89	85	100	96	99	99	75	82	97
6074RR	106	126	108	101	87	111	100	102	111	81	122	82	101	107	101	96	99	116	102	108
6056CR	108	108	102	95	82	100	88	93	91	65	108	98	88	94	97	90	95	76	93	99
6080RR	86	118	105	94	91	108	95	91	98	80	115	89	93	101	98	97	95	92	89	108
CS2000	103	115	102	97	88	99	100	112	114	91	117	85	96	102	99	104	92	88	92	106
CS2100	104	114	97	96	93	109	94	109	—	—	—	—	—	—	—	—	—	—	—	—
SY4166	123	111	102	83	89	107	91	103	104	93	112	96	93	88	89	99	106	80	87	104
SY4157	109	124	111	100	91	104	96	108	107	109	108	88	98	100	92	100	97	99	100	98
V12-1 *	100	118	104	88	86	109	93	103	97	87	106	98	91	93	94	94	94	82	79	93
V12-3 *	125	115	103	94	83	103	92	101	103	90	108	97	92	93	94	99	98	91	90	95
Varieties that have been supported for registration																				
14DL30209	100	101	97	87	89	98	87	100	98	83	99	88	91	95	99	89	93	67	88	103
14H1176	130	124	109	98	87	109	95	110	108	99	110	92	91	94	96	100	96	104	100	107
PS-SY 13-1579	132	131	108	95	92	93	96	108	104	109	116	89	95	92	100	96	98	97	89	101
PS-SY 13-1651	118	117	104	87	89	99	92	108	102	91	105	98	91	93	104	93	92	74	72	104
LSD (%)	18	8	9	11	7	7	5	10	9	16	8	12	8	5	10	7	7	12	17	8
CHECK MEAN 5440 (bu/ac)	31	35	53	82	69	65	79	48	41	43	59	65	82	71	61	66	97	47	36	70
GRAND MEAN (bu/ac)	35	41	56	79	62	67	74	49	41	39	64	59	77	69	59	64	95	43	33	72
CV%	13.1	9.1	6.6	7.8	5.7	6.6	3.3	6.3	7.1	9.1	6.9	10.1	5.6	3.8	8.6	4.8	5.0	10.2	13.4	5.5

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



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FLAX

New for 2015

Varieties that have been supported for registration

Code	Breeder	Distributor
FP2316	Crop Development Centre	SeCan
FP2357	AAFC - Morden	SeCan
FP2388	Crop Production Services	Crop ProductionServices
FP2454	Crop Production Services	Crop ProductionServices
FP2457	Crop Production Services	Crop ProductionServices

Comments:

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

AC Emerson demonstrates the greatest tolerance to flax chlorosis.

All varieties are immune to rust.

The Canadian Grains Commission advises that the oilseed flax variety **CDC Arras**, **Flanders** and **Somme** deregistered effective August 1, 2017.

Variety Descriptions

Variety	Site	Yield bu/acre	Maturity	Height	Seed Color	Seed Size TKW	Oil Content	Oil Quality ¹ :		Resistance to:	
	Years Tested		+/- 102 days	+/- 27 inches				Iodine Number	ALA Content	Lodging	Fusarium Wilt
AAC Bravo	16	33	1	0	brown	6.4	44.6	194.0	60.2	G	MR
AC Emerson	30	32	-2	-1	brown	6.4	43.8	196.1	59.3	G	R
CDC Bethune	115	34	0	0	brown	5.8	45.6	188.6	54.7	G	MR
CDC Glas	16	35	1	1	brown	5.2	45.8	192.0	56.6	G	MR
CDC Neela	16	34	1	1	brown	5.7	45.5	194.4	59.1	G	MR
CDC Plava	7	34	-2	-1	brown	5.7	46.5	195.5	57.2	G	MR
CDC Sanctuary	27	35	3	1	brown	5.8	45.6	190.7	57.2	G	MR
CDC Sorrel	51	34	1	1	brown	6.4	45.1	192.7	57.8	F	MR
Hanley	70	32	-2	-2	brown	5.7	44.7	197.7	58.6	VG	R
Lightning	40	33	1	-2	brown	6.0	47.6	192.5	56.1	G	MR
VT50	7	33	4	-2	yellow	5.1	47.1	209.4	67.6	VG	MR
Prairie Blue	68	34	1	-1	brown	5.2	46.3	192.2	57.3	VG	MR
Prairie Grande	40	33	-2	-4	brown	5.8	45.6	192.9	57.5	G	MR
Prairie Sapphire	35	35	2	-1	brown	5.8	48.1	193.1	57.2	G	MR
Prairie Thunder	49	33	0	-3	brown	5.9	45.3	194.7	57.9	G	R
Taurus	39	33	0	-1	brown	5.6	45.6	187.0	53.9	VG	MR
Vimy	4	33	1	0	brown	6.1	45.0	191.9	57.6	F	MR
WestLin 70	12	33	2	2	brown	6.4	45.8	194.5	61.9	G	MR
WestLin 71	12	33	2	-2	brown	5.6	47.5	198.1	61.2	G	MR
WestLin 72	7	34	3	-1	brown	5.4	47.0	192.8	57.0	VG	MR
Varieties that are being tested or proposed for registration											
FP2308	9	34	1	0	brown	5.8	45.5	191.8	57.5	G	MR
FP2316	4	33	1	1	brown	5.9	45.3	189.9	54.6	G	MR
FP2357	4	34	3	1	brown	5.3	47.7	192.5	56.5	VG	MR
FP2388	5	33	-1	-2	brown	5.7	46.1	197.9	59.9	G	MR
FP2454	4	33	-2	-3	brown	5.4	47.6	197.5	60.3	VG	MR
FP2457	4	32	0	0	brown	5.8	45.9	188.2	54.4	G	MR
GRAND MEAN (bu/ac)		33									
LSD (0.05)		1.7									

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.

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– White Milling Oat

- great yield, good nutritional qualities

Brasetto

– Hybrid Fall Rye

- higher yields, high ROI

AAC Bravo

– Flax

- large seed, good yield

Abarth

– Yellow Pea

- large seed, high yield



For more information on FP Genetics varieties or to find your local seedsmen, visit fpgenetics.ca



FLAX (continued)

Yield Comparisons

VARIETY	2015 Yield (bu/acre)			
	Hamiota	Roblin	Stonewall	Morden
AAC Bravo	41	38	29	34
CDC Bethune	37	39	28	32
CDC Glas	43	39	29	33
CDC Neela	43	43	32	32
CDC Plava	47	39	29	32
CDC Sanctuary	44	45	29	32
CDC Sorrel	—	—	27	—
VT50	40	37	34	31
Prairie Sapphire	—	41	—	—
WestLin 71	40	34	26	32
WestLin 72	45	40	27	29
Varieties that have been supported for registration				
FP2316	39	39	27	30
FP 2357	45	42	30	30
FP2388	43	33	28	32
FP2454	41	37	27	30
FP2457	37	35	26	32
SITE GRAND MEAN (bu/ac)	42	39	29	31
CV%	7.6	6.0	5.5	7.3
LSD (bu/ac)	5	4	3	—
Sign Diff	Yes	Yes	Yes	No
Seeding Date	12-May	15-May	27-May	27-May
Harvest Date	22-Sep	25-Sep	02-Oct	16-Sep

MUSTARD

Comments:

All varieties are rated resistant tolerance to blackleg.

Data from the 1999-2012 Co-operative Mustard Test and has been approved for publication by the Prairie Recommending Committee for Oilseeds (PRCO).

Variety Descriptions¹

Variety	Site Years Tested	Yield % Check	Days to Maturity +/- Check	Height +/- Check	Seed Weight (g/1000)	Mucilage ¹ cS* ml/g	Volatile Oil ² (mol/g seed)	Fixed Oil % Seed	Protein % Seed
Yellow - Sinapis alba		% of AC Pennant							
AC Pennant	14	100	0	0	92	44.7	—	29.5	34.3
Adante	14	101	1	6	93	55.7	—	28.4	35.1
Oriental - Brassica juncea		% of Cutlass							
Cutlass	14	100	0	0	91	—	11.6	41.0	29.1
Forge	14	97	1	10	92	—	12.2	38.9	29.6
AC Vulcan	14	98	0	1	91	—	12.4	40.6	29.5
Brown - Brassica juncea		% of Duchess							
Duchess	14	100	0	0	92	—	9.5	38.1	28.7
Amigo ³	5	92	2	0	94	—	13.6	34.7	30.3
Centennial Brown	14	101	0	4	92	—	10.3	36.3	30.1
CHECK CHARACTERISTICS									
Yellow - AC Pennant	14	1755	92	96					
Oriental - Cutlass	14	2083	91	115					
Brown - Duchess	14	1932	92	113					
	site years	lb/ac	days	cm					

1 Mucilage in yellow mustard is a measurement of viscosity of aqueous extracts from seed.

2 Volatile oil = allyl glucosinolate

3 Data from 2008-2012 Co-operative Mustard Test

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SOYBEANS

NOTES FOR ALL SOYBEAN TABLES

Maturity Notes: Always Use More Than 1 Criteria to Evaluate Maturity.

- 1 Soybean varieties have been organized into 3 maturity zones - short, mid and long season areas. Although there are no variety restrictions, the short season grouping is meant to be a starting point for new growers in the outer production areas. The long season group is targeted for southern Manitoba, generally south of Highway 23, with the mid season grouping making up the bulk of the production area in between the short and long season area.
- 2 Maturity grouping is a ranking of maturity provided by seed suppliers. These rankings are assigned to varieties to assist growers to select varieties suited for their area.
- 3 Relative days to maturity (dtm) is the number of days from seeding to plant maturity (95% of the pods on the plant are mature with seeds rattling in the pods when plant is shaken) and is expressed as + or - days from the check. Growers need to be cautious when using only one year data when evaluating maturity and yield. Using multiple year maturity data when available will give you a better indication on how a variety will mature with different growing seasons. Actual days to maturity for the check is found in the grey "Check Characteristics" Box at the bottom of the table.

General Notes:

- 1 Roundup Ready and Conventional soybean varieties are evaluated separately, meaning direct comparison of varieties between different tables is not possible. All trials are solid seeded at 210,000 seeds/acre.
- 2 Hilum colour can range from Yellow (Y), ImperfectYellow (IY), Grey (G), Brown (BR), Buff (BF), Tan(TN) 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 Relative Seeds/lb, these were the seed numbers of the varieties entered into the trial. Soybean seed size can vary greatly between varieties and even from seed lot to seed lot of the same variety. Growers should use the seed size for their seed lot when calculating seeding rates.
- 4 Lodging is rated at harvest; 1=standing upright, 5= flat along the ground. A rating of 3 or more can promote white mold within the crop canopy.
- 5 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 4 sites prone to iron chlorosis over the last 2 years. IDC tolerant varieties are varieties with lower IDC Scores and perform better on soils prone to iron deficiency.
- 6 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 and groupings should be considered together when judging IDC. Tolerant=leaves stayed green, Semi Tolerant=leaves when yellow then turned green, Susceptible= leaves went chlorotic and had dead patches on their leaves and were often stunted.



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LS Maidan : 54 bushels / acre

LS Eclipse : 54 bushels / acre



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WESTERN MANITOBA SOYBEAN ADAPTATION TRIAL

Comments:

The Western Manitoba soybean adaptation trial data was donated by the Manitoba Pulse & Soybean Growers.

Variety Descriptions

Variety	Company	Yield	Site	Relative Days to Maturity ¹				2015 Yield % of 23-10RY					
	Maturity	%	Years	+/- Check				Boissevain	Dauphin	Hamiota	Melita	Roblin	
	Grouping	Check	Tested	Average	2015	2014	2013						
P001T34R☼	000	83	14	-5	-2	-6	-7	90	84	96	82	100	
S009-M2	000.9	108	5	-2	-2	—	—	107	105	106	99	131	
P002T04R	00.2	95	9	-2	0	-3	—	99	82	96	85	101	
NSC Moosomin RR2Y	000.9	92	14	-1	1	-3	-2	112	77	85	86	83	
23-10RY	00.1	100	20	0	0	0	0	100	100	100	100	100	
22-60 RY	000.8	100	9	1	2	1	—	103	91	102	100	105	
LS NorthWester	00.2	102	9	2	3	1	—	103	93	97	91	105	
NSC Anola RR2Y	00.2	107	14	2	6	3	-2	104	93	94	100	105	
NSC Reston RR2Y	00.1	99	15	2	3	2	2	117	88	100	100	100	
LS 002R24N	00.2	107	14	3	6	2	0	111	94	98	108	110	
23-60RY	00.3	105	14	3	5	-2	5	109	93	102	98	106	
TH 33003R2Y	00.3	104	15	3	8	3	-2	123	92	99	103	101	
Bishop R2	00.2	100	15	3	6	3	0	112	102	93	91	102	
McLeod R2	00.3	107	15	3	6	4	0	103	92	96	101	101	
Pekko R2	00.1	99	20	4	5	5	1	101	99	100	97	109	
TH 32004R2Y	00.4	112	20	4	7	3	1	107	96	105	108	101	
PS 0035 NR2	00.3	103	14	4	8	3	1	95	96	101	103	106	
NSC Gladstone RR2Y	00.3	107	14	4	9	4	0	103	108	101	112	111	
NSC Tilston RR2Y	00.4	106	15	4	8	5	0	118	95	99	104	104	
Notus R2	00.1	99	9	5	5	4	—	105	98	105	105	102	
23-11RY	000.9	100	9	5	4	5	—	113	88	101	96	107	
900Y61☼	00.6	99	20	5	9	3	2	101	90	99	88	100	
S007-Y4	00.5	114	9	5	6	4	—	120	108	106	114	112	
P006T78R☼	00.6	110	5	5	5	—	—	124	103	105	105	117	
Vito R2	00.2	97	15	5	8	6	2	104	94	97	97	95	
Mahony R2	00.3	111	9	6	6	5	—	110	104	114	103	112	
TH 35002R2Y	00.2	97	9	6	7	5	—	119	100	98	116	118	
TH 33005R2Y	00.5	106	14	6	9	7	3	104	93	101	107	96	
Akras R2	00.3	109	9	7	8	5	—	114	107	106	102	102	
LS 003R24N	00.3	101	9	7	8	5	—	113	95	97	101	110	
PRO 2525R2	00.5	113	10	7	11	—	3	108	92	101	103	113	
Lono R2	00.5	108	9	8	8	7	—	114	97	105	100	115	
Hero R2	00.4	109	9	8	9	6	—	122	104	114	114	120	
HS 006RYS24	00.6	101	15	8	9	6	—	106	94	101	110	108	
Experimental lines being tested/proposed for registration in Canada													
NSC Watson RR2Y	000.9	96	5	-1	-1	—	—	107	92	96	85	101	
CHECK CHARACTERISTICS							23-10RY (bu/ac)	57	62	54	42	32	
23-10 RY		50	20	126	115	127	135	CV%	5.4	7.7	5.2	4.0	10.2
		bu/ac	site years	days to maturity				LSD%	9	13	8	6	17
								Sign Diff	Yes	Yes	Yes	Yes	Yes
								Seeding Date	21-May	22-May	28-May	15-May	22-May
								Harvest Date	06-Oct	15-Oct	15-Oct	30-Sep	14-Oct

¹ Maturity Based on Data from Boissevain, Hamiota, Melita and Roblin.

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CONVENTIONAL SOYBEANS

Comments:

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

Variety Descriptions

Manitoba Variety Zone	Company Maturity Grouping	Variety	Relative Days to Maturity ¹ + / - of Check				Yield % Check	Site Years Tested	Hilum Colour	Lodging ²		IDC ³	
			Average	2015	2014	2013				Clay	Loam	Rating (1- 5)	Grouping
Short Season Zone	00.4	AAC Edward	-3	-1	-4	-2	106	19	IY	1.3	2.2	1.8	ST
		Experimental lines being tested/proposed for registration in Canada											
	00.2	OT13-07	-2	-1	-3	—	100	12	Y	1.9	2.2	—	—
	00.2	OT13-05	-1	-1	-2	—	89	12	Y	1.5	3.0	—	—
Mid - Long Season Zone	00.3	OAC Prudence	0	0	0	0	100	103	Y	2.7	3.5	1.6	T
	00.3	AAC Mandor	3	2	4	3	109	32	Y	1.6	2.0	2.3	ST
	00.5	OAC Morden (SeCan 11-05C)	4	2	5	5	105	26	Y	1.3	2.0	1.9	ST
		Experimental lines being tested/proposed for registration in Canada											
	00.2	SVX16T00S1	1	1	—	—	94	6	GR	1.7	1.8	—	—
	00.5	OT13-08	3	4	3	—	103	12	IY	1.4	1.7	—	—
	00.7	OT11-03	5	5	5	5	106	20	Y	1.4	2.8	—	—
	0.1	JARI	7	7	8	—	107	12	IY	2.0	2.7	2.1	ST
	00.9	OT13-04	8	8	9	—	107	12	Y	2.7	3.0	—	—
	0.2	CFS15.2.01 CV	9	9	—	—	103	6	BR	1.3	2.0	—	—
	00.3	SVX16T00S2	5	5	—	—	110	6	IY	1.9	3.3	—	—
CHECK CHARACTERISTICS													
OAC Prudence			112	108	115	114	49	103					
			Days to maturity				bu/acre		site years				

1 Maturity Ratings for 2015 are average across Carman, Morris, St. Adolphe

2 Lodging ratings are average across Loams(Carman) Clays (St. Adolphe, Morris)

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

Yield Comparisons

Manitoba Variety Zone	Variety	2015 Yield: % of OAC Prudence							
		Early Sites		Core Sites				Late Sites	
		Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank
Short Season Zone	AAC Edward (OT11-01)	107	112	128	121	100	106	—	—
	Experimental lines being tested/proposed for registration in Canada								
	OT13-07	100	97	104	111	98	98	—	—
Mid - Long Season Zone	OT13-05	85	81	88	98	80	99	—	—
	OAC Prudence	100	100	100	100	100	100	100	100
	AAC Mandor	98	108	117	116	107	112	—	—
	OAC Morden (SeCan 11-05C)	—	—	109	116	79	110	110	100
	Experimental lines being tested/proposed for registration in Canada								
	SVX16T00S1	92	92	96	105	83	95	—	—
	OT13-08	109	91	106	109	88	104	—	—
	OT11-03	—	—	100	117	97	110	102	97
	JARI	—	—	113	110	98	113	111	98
	OT13-04	—	—	110	121	94	115	113	96
	CFS15.2.01 CV	—	—	92	119	92	114	113	94
	SVX16T00S2	105	102	115	120	103	118	—	—
Check Characteristics OAC Prudence (bu/acre)		52	42	56	44	53	41	56	39
CV %		6.0	5.0	7.6	3.8	9.2	6.3	7.6	8.2
LSD %		11	9	13	8	16	13	—	—
Sign Diff		Yes	Yes	Yes	Yes	Yes	Yes	No	No
Seeding Date		01-Jun	27-May	27-May	25-May	02-Jun	22-May	25-May	25-May
Harvest date		29-Sep	02-Oct	29-Sep	23-Sep	16-Oct	29-Sep	30-Sep	22-Sep

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ROUNDUP READY SOYBEANS

New for 2016

Variety	Previous Code	Distributor	Seed Availability
Podaga R2	CFS12.5.01 R2	Brett Young	2016
Lono R2	CFS13.2.01 R2	Brett Young	2016
22-60RY	MKZ913A4	DEKALB	2016
23-11RY	MKZ613A3	DEKALB	2016
24-11RY	FLZ612A3	DEKALB	2016
LS Northwester	LS Northwester	Delmar Commodities	2016
LS Maidan	LS Maidan	Delmar Commodities	2016
LS 008R560	DAS008G13R2	Delmar Commodities	2016
P006T78R	PH 14002	DuPont Pioneer	2016
NSC Arnaud RR2Y	NSC Arnaud RR2Y	Northstar Genetics Manitoba	2016
PS 0055 R2	EXP 00813BNR2	PRIDE Seeds	2016
Mahony R2	SC2350R2	Secan	2016
S0009-M2	S0009-M2	Syngenta Canada	2016

Variety Descriptions

Manitoba Variety Zone	Company Maturity Grouping	Variety	Type ¹	Relative Days to Maturity ² + / - of Check				Yield % Check	Site Years Tested	Hilum Colour	Lodging ³		IDC ⁴		Notes ⁵
				Average	2015	2014	2013				Clay	Loam	Rating (1- 5)	Grouping	
Short Season Zone	000	P001T34R☼	RR1	-12	-10	-13	-12	67	24	BR	1.0	1.3	2.0	ST	—
	00.2	P002T04R☼	RR1	-9	-9	-9	—	76	13	TN	1.1	1.5	2.1	ST	1k
	000.9	NSC Moosomin RR2Y	R2Y	-7	-5	-8	-8	82	19	BR	1.1	1.3	2.9	S	—
	000.8	22-60RY	R2Y	-6	-7	-6	—	88	13	BL	1.1	1.0	2.1	ST	1c
	000.9	S0009-M2	R2Y	-6	-6	—	—	89	6	BR	1.9	1.7	2.0	ST	Rps6
	00.1	Pekko R2	R2Y	-5	-5	-5	-5	92	29	BL	1.2	1.7	2.2	ST	—
	00.2	Bishop R2	R2Y	-5	-4	-5	-4	90	30	IY	1.6	2.5	2.3	S	—
	00.2	LS Northwester	R2Y	-4	-5	-4	—	86	13	BL	1.6	1.8	1.8	ST	—
	00.1	NSC Reston RR2Y	R2Y	-4	-3	-5	-5	92	25	BL	1.6	1.2	2.7	S	1k
	000.9	23-11RY	R2Y	-4	-3	-5	—	92	13	BL	1.2	1.3	1.6	T	1c
	00.3	Mahony R2	R2Y	-4	-3	-4	—	100	13	BL	1.5	1.7	2.7	S	—
	00.5	S007-Y4	R2Y	-3	-3	-4	-4	103	19	IY	1.2	1.5	2.1	ST	1c
	00.6	Notus R2	R2Y	-3	-3	-3	—	93	13	BL	1.1	1.3	1.7	T	1c
	00.3	23-60RY	R2Y	-3	-2	-4	-3	100	19	BL	1.7	2.3	1.7	T	—
	00.3	McLeod R2	R2Y	-3	-3	-4	-2	95	25	BL	1.2	1.3	1.7	T	—
	00.6	P006T78R☼	RR1	-3	-4	-2	—	93	13	BR	1.0	1.0	2.0	ST	1c
	00.3	PS 0035 NR2	R2Y	-3	-2	-4	-3	98	19	BL	1.4	2.3	1.8	ST	SCN
	00.5	PS 0055 R2	R2Y	-3	-3	-2	—	95	12	IY	1.2	1.3	1.7	T	—
	00.2	NSC Anola RR2Y	R2Y	-3	-2	-2	-4	96	29	BL	1.1	1.0	1.8	ST	1c
	00.4	TH 32004R2Y	R2Y	-3	-1	-2	-4	99	33	BL	1.2	2.0	2.0	ST	1c
	00.2	LS 002R24N	R2Y	-2	-1	-3	-2	100	19	BL	1.5	1.7	2.2	ST	SCN
	00.2	TH 35002R2Y	R2Y	-2	-1	-3	—	91	13	BL	1.5	2.8	2.5	S	—
	00.3	NSC Gladstone RR2Y	R2Y	-2	-1	-3	-1	96	19	BL	1.4	1.7	2.0	ST	—
	00.3	Akras R2	R2Y	-2	-2	-1	-2	100	24	IB	1.2	1.3	1.7	T	1k
	Experimental lines being tested/proposed for registration in Canada														
	000.9	NSC Watson RR2Y	R2Y	-6	-6	—	—	87	6	IY	1.4	1.8	1.6	T	—
	000	PR1418113R2	R2Y	-4	-4	—	—	87	6	BL	2.6	2.3	2.3	S	—
	00.4	AR1215503	R2Y	-3	-3	—	—	91	6	BR	1.4	1.7	1.9	ST	—
	00.7	AR1310870	R2Y	-3	-3	—	—	89	6	Y	1.2	1.2	2.0	ST	—
Mid Season Zone	00.5	24-11RY	R2Y	-1	-2	-1	—	96	13	BL	1.4	2.3	1.7	T	—
	00.6	S00-N6	R2Y	-1	0	-3	0	99	19	BL	1.3	2.3	2.0	ST	—
	00.5	TH 33005R2Y	R2Y	-1	-1	0	-2	103	25	BL	1.1	1.0	2.0	ST	1c,1k
	00.3	LS 003R24N	R2Y	-1	0	-3	0	96	19	BL	1.3	1.8	1.8	ST	SCN
	00.6	Chadburn R2	R2Y	-1	0	-1	-1	95	32	BL	1.1	1.8	1.7	T	—
	00.2	Vito R2	R2Y	-1	-1	-1	—	92	29	GR	1.5	1.8	2.0	ST	1k
	00.5	Lono R2	R2Y	-1	-1	0	-2	103	19	Br	1.1	1.3	1.9	ST	1k
	00.6	900Y61☼	RR1	0	0	0	-1	91	31	BR	1.2	1.5	1.6	T	1c
	00.4	NSC Tilston RR2Y	R2Y	0	1	-1	-1	97	29	BL	1.8	2.8	1.8	ST	—
	00.3	TH 33003R2Y	R2Y	0	2	-1	-2	97	30	BR	1.9	2.5	2.0	ST	1c
	00.8	P008T70R☼	RR1	0	-1	-1	1	102	19	TN	1.3	1.5	1.9	ST	1k
	00.6	TH 34006R2Y	R2Y	0	0	0	0	100	18	BL	1.3	1.3	2.0	ST	—
	00.5	Gray R2	R2Y	0	1	0	0	96	25	BL	1.3	1.7	1.9	T	1c
	00.5	24-10RY	R2Y	0	0	0	0	100	41	BL	1.3	1.0	1.9	ST	1k
	00.6	HS 006RYS24	R2Y	0	2	-2	1	96	30	BL	1.3	1.8	1.7	T	SCN
	00.7	HS 007RY32	R2Y	1	2	-1	2	100	18	BL	1.2	2.0	1.8	ST	1c,1k
00.4	Hero R2	R2Y	1	1	0	1	101	19	BL	1.2	2.5	2.3	ST	1c	

Manitoba Variety Zone	Company Maturity Grouping	Variety	Type ¹	Relative Days to Maturity ² + / - of Check				Yield % Check	Site Years Tested	Hilum Colour	Lodging ³		IDC ⁴		
				Average	2015	2014	2013				Clay	Loam	Rating (1- 5)	Grouping	Notes ⁵
Long Season Zone	00.5	NSC Sanford R2Y	R2Y	1	2	1	0	101	19	GR	2.0	3.0	2.0	ST	—
	00.8	P008T22R2	R2Y	1	1	1	2	101	19	BL	1.3	2.0	1.6	T	1c
	00.5	LS Maidan	R2Y	1	1	—	—	97	6	Y	1.2	2.3	2.2	ST	—
	00.5	PRO 2525R2	R2Y	1	3	0	—	105	13	BL	1.5	1.5	1.7	T	1c
	Experimental lines being tested/proposed for registration in Canada														
	000	PR1313806R2	R2Y	-1	-1	—	—	88	6	Y	1.2	2.3	2.9	S	—
	00.7	AR1210501	R2Y	-1	-1	—	—	110	6	Y	1.3	1.8	2.4	S	—
	00.8	EXP 00816 R2	R2Y	1	1	—	—	97	6	IB	1.2	1.5	2.1	ST	—
	00.8	NSC Arnaud RR2Y	R2Y	2	3	0	—	101	12	BL	2.1	2.5	2.3	ST	—
	00.7	NSC Richer RR2Y	R2Y	2	2	1	2	102	28	BL	1.6	2.2	1.7	T	1c
	00.9	S00-T9	R2Y	2	2	3	1	105	23	BL	1.4	1.5	1.8	ST	1k
	00.5	LS 005R22	R2Y	2	3	1	3	96	23	BL	1.7	2.0	1.8	ST	—
	00.8	PS 0074 R2	R2Y	2	3	3	1	105	23	BR	2.2	3.0	1.6	T	—
	00.8	25-10RY	R2Y	3	4	2	4	104	28	BL	1.7	2.0	1.8	ST	1c
	00.8	Currie R2	R2Y	4	3	3	5	101	29	BL	1.2	2.2	1.8	ST	1k
Zone	00.8	Podaga R2	R2Y	4	4	3	—	96	12	BR	1.4	2.5	1.7	T	1k
	00.5	LS 005R24	R2Y	4	7	1	4	104	18	BL	2.5	2.8	1.8	ST	—
	00.7	Astro R2	R2Y	5	5	4	6	107	28	BL	1.5	2.2	1.7	T	1k
	00.8	LS 008R560	R2Y	5	6	—	5	101	12	BL	1.8	2.7	1.9	ST	—
	00.9	PRO 2535R2	R2Y	6	6	6	—	104	12	BL	2.3	2.0	1.6	T	1k
	Experimental lines being tested/proposed for registration in Canada														
	00.6	LS Eclipse	R2Y	3	3	—	—	101	6	BL	1.5	1.3	2.3	ST	SCN,1k,1c
	0.1	CFS13.3.01 R2	R2Y	4	5	3	—	98	12	BL	1.9	3.0	2.0	ST	1k
	00.7	TH 36007R2Y	R2Y	5	5	—	—	93	6	BI	2.2	1.7	2.4	S	—
	CHECK CHARACTERISTICS														
24-10RY				117	113	118	120	52	41						
				Days to maturity				bu/acre	site years						

1 R2Y Indicates Genuity Roundup Ready 2 Yield Soybeans

2 Maturity Ratings for 2015 are average across Carman, Morris, St. Adolphe

3 Lodging ratings are average across Loams (Carman) Clays (St. Adolphe, Morris)

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

5 Notes: Phytophthora Resistance genes, 1c, 1k, etc., SCN=Soybean Cyst Nematode Resistance

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ROUNDUP READY SOYBEANS (continued)

		2015 Yield: % of 24-10RY								
		Early Sites		Core Sites			Late Sites			
		Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank	
Manitoba	Variety Zone	Variety								
Short Season Zone	P001T34R☼	51	75	74	74	76	67	—	—	
	P002T04R☼	66	89	82	85	72	75	—	—	
	NSC Moosomin RR2Y	81	84	80	89	85	81	—	—	
	22-60RY	78	86	88	80	77	84	—	—	
	S0009-M2	95	87	88	87	94	81	—	—	
	Pekko R2	101	88	91	87	80	81	—	—	
	Bishop R2	99	82	90	82	83	81	—	—	
	LS Northwester	70	82	84	79	85	83	—	—	
	NSC Reston RR2Y	83	97	94	90	89	88	—	—	
	23-11RY	86	93	87	91	83	88	—	—	
	Mahony R2	93	89	99	89	94	91	—	—	
	S007-Y4	92	98	90	90	96	97	—	—	
	Notus R2	115	101	87	91	94	84	—	—	
	23-60RY	97	88	95	95	96	90	—	—	
	McLeod R2	72	93	85	87	85	81	—	—	
	P006T78R☼	84	92	109	90	100	88	—	—	
	PS 0035 NR2	90	86	91	85	86	89	—	—	
	PS 0055 R2	92	91	90	93	100	89	—	—	
	NSC Anola RR2Y	76	82	84	95	84	87	—	—	
	TH 32004R2Y	81	91	97	92	83	89	—	—	
	LS 002R24N	85	99	92	90	93	90	—	—	
	TH 35002R2Y	87	91	95	94	86	96	—	—	
	NSC Gladstone RR2Y	77	88	87	90	94	94	—	—	
	Akras R2	98	95	100	94	101	93	—	—	
Experimental lines being tested/proposed for registration in Canada										
	NSC Watson RR2Y	84	91	90	84	94	80	—	—	
	PR1418113R2	89	80	87	87	92	86	—	—	
	AR1215503	102	93	92	88	93	81	—	—	
	AR1310870	—	—	94	82	91	85	89	91	
Mid Season Zone	24-11RY	109	88	98	87	99	90	—	—	
	S00-N6	—	—	96	98	111	88	88	91	
	TH 33005R2Y	—	—	78	95	90	98	98	87	
	LS 003R24N	—	—	94	87	83	84	85	85	
	Chadburn R2	84	91	88	98	95	83	—	—	
	Vito R2	85	84	88	87	94	84	—	—	
	Lono R2	90	93	98	88	98	96	—	—	
	900Y61☼	97	85	95	91	91	82	—	—	
	NSC Tilston RR2Y	86	90	100	89	99	95	—	—	
	TH 33003R2Y	94	97	103	88	98	97	—	—	
	P008T70R☼	94	86	74	90	93	84	—	—	
	TH 34006R2Y	—	—	100	94	106	90	89	95	
	Gray R2	93	101	89	93	101	92	—	—	
	24-10RY	100	100	100	100	100	100	100	100	
	HS 006RYS24	87	85	94	92	101	84	—	—	
	HS 007RY32	—	—	91	97	110	97	82	96	
	Hero R2	97	93	109	99	121	92	—	—	
	NSC Sanford R2Y	94	101	94	101	90	95	—	—	
	P008T22R2☼	99	90	101	94	101	86	—	—	
	LS Maidan	—	—	105	97	106	96	88	94	
	PRO 2525R2	93	98	106	92	111	87	—	—	
	Experimental lines being tested/proposed for registration in Canada									
		PR1313806R2	93	85	93	88	90	81	—	—
		AR1210501	—	—	114	97	113	102	108	123
	EXP 00816 R2	—	—	91	101	101	97	98	95	

		2015 Yield: % of 24-10RY							
		Early Sites		Core Sites				Late Sites	
Manitoba		Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank
Variety Zone	Variety								
Long Season	NSC Arnaud RR2Y	—	—	95	92	103	101	101	97
	NSC Richer RR2Y	—	—	102	91	108	92	97	92
	S00-T9	—	—	101	98	111	96	101	93
	LS 005R22	—	—	87	91	110	90	90	87
	PS 0074 R2	—	—	110	104	128	94	96	91
Zone	25-10RY	—	—	101	91	120	100	106	89
	Currie R2	—	—	97	94	100	96	83	94
	Podaga R2	—	—	89	91	111	89	86	90
	LS 005R24	—	—	102	93	123	101	104	93
	Astro R2	—	—	116	91	112	94	104	92
	LS 008R560	—	—	96	90	94	102	74	92
	PRO 2535R2	—	—	104	98	122	103	93	95
Experimental lines being tested/proposed for registration in Canada									
	LS Eclipse	—	—	111	105	120	96	89	94
	CFS13.3.01 R2	—	—	92	90	105	88	89	84
	TH 36007R2Y	—	—	94	95	108	88	88	92
Check Characteristics 24-10RY (bu/acre)		48	49	52	51	49	54	75	63
	CV%	14.0	4.9	7.5	3.6	8.2	4.4	9.8	7.5
	LSD%	23	8	12	6	13	7	12	16
	Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Seeding Date	01-Jun	27-May	27-May	25-May	02-Jun	22-May	25-May	25-May
	Harvest Date	29-Sep	29-Sep	29-Sep	23-Sep	21-Oct	29-Sep	30-Sep	22-Sep



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SUNFLOWERS - NON-OIL TYPE

Sunflower Comments:

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

Yield %Check, Days to Maturity, Height, Seed Sizing and Oil Content are based on long-term data indicated by 'site years'.

Disease Management:

All sunflowers currently available are susceptible to sclerotinia and all varieties presented in SEED MANITOBA 2016 have shown susceptibility to the sunflower rust strains present in Manitoba. Environmental conditions, presence of inoculum from previously infected crops will increase risk of disease development.

Rust and sclerotinia infection can reduce yield, test weight and can cause grading factor issues.

Genetic resistance to verticillium wilt is rated as moderately susceptible to moderately resistant for all sunflower varieties presented. Again, lengthened crop rotations between sunflower crops will reduce the inoculum in the soil and reduce potential for infection.

Variety Descriptions

Company	Hybrid	Genetic Traits ¹	Site Years	Yield % Check	Maturity (days to R9)	Height (inches)	Seed Sizing		
							>22/64 inch	>20/64 inch	>16/64inch
NuSeed America	6946 DMR	DM	15	100	0	0	39	30	30
NuSeed America	9180 DMR	ExSun/DM	10	104	3	4	64	28	17
NuSeed America	Jaguar	CL	9	95	3	0	60	21	12
NuSeed America	Jaguar DMR	CL/DM	9	108	0	5	64	21	10
NuSeed America	Panther DMR	DM	12	101	0	-2	62	21	12
CHS Sunflower	RH400 CL	CL	12	96	3	4	42	34	17
Experimental lines being tested/proposed for registration in Canada									
NSAC	2755	—	2	108	4	14	39	27	25
NSAC	9255	—	2	124	1	11	37	31	24
Dow Seed	E94305	—	3	111	3	7	78	10	8
CHS Sunflower	RH609CLP	CL	3	133	3	12	79	11	6
CHS Sunflower	RH1130EX	ExSun	6	111	7	7	84	9	4
CHS Sunflower	RH1133EX	ExSun	3	138	5	5	89	6	4
CHS Sunflower	15EXP02	ExSun	3	121	6	8	83	10	4
CHS Sunflower	15EXP03	ExSun	3	126	5	10	90	6	2
CHECK CHARACTERISTICS									
6496 DMR			15	3254	117	67			
			site years	lb/ac	days	inches			

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

Site Comparisons

Hybrid	Genetic Traits	Elm Creek		Holland*		Melita*		Test Wt (lb/bu A)
		Yield (lb/ac)	Maturity (days)	Yield (lb/ac)	Maturity (days)	Yield (lb/ac)	Maturity (days)	
6946 DMR	DM	2217	100	2950	114	2507	117	26.1
9180 DMR	ExSun/DM	3499	108	3318	119	2814	117	24.7
Jaguar DMR	CL/DM	3350	102	3607	116	2716	114	25.1
Panther DMR	DM	3469	100	3666	114	3410	110	27.2
Experimental lines being tested/proposed for registration in Canada								
2755	—	2821	112	2775	118	—	—	—
9255	—	3130	102	3280	116	—	—	—
E94305	—	3052	100	3120	119	2347	120	24.0
RH609CLP	CL	2975	105	4141	119	3113	115	24.3
RH1130EX	ExSun	3763	105	3415	122	3003	123	23.0
RH1133EX	ExSun	3620	105	3582	118	3421	123	20.6
15EXP02	ExSun	3384	105	3203	122	2732	123	23.2
15EXP03	ExSun	3255	105	3366	122	3038	118	23.0
Site Average		3211	104	3369	119	2910	118	23.3
CV%		10.5		12.0		13.7		
Sign Diff		Yes		Yes		No		
LSD (0.05)		578		683		—		
Planting Date		11-May		12-May		01-Jun		
Harvest Date		28-Sep		22-Sep		19-Oct		

* Site was desiccated at R9

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SUNFLOWERS - OIL TYPE

Variety Descriptions

Company	Variety	Genetic Traits ¹	Site Years	YIELD % Check	Maturity (days to R9)	Height (inches)	% Oil	Oil Type
Dow Seed	8N270	CL / DM	3	88	-4	-8	1.7	NS
Syngenta Canada	3495 NS/CL/DM	CL / DM	7	101	1	-2	-2.0	NS
Pioneer Hi-Bred	63N82	ExSun	4	87	4	-2	0.6	NS
NuSeed America	Cobalt II	CL / DM	10	90	2	-4	-1.4	HO
NuSeed America	Defender Plus	DM	5	88	-3	-7	-2.7	NS
NuSeed America	Falcon EX	ExSun	9	92	2	-6	-0.1	NS
NuSeed America	Talon	ExSun	7	95	-1	-5	-3.4	NS
Pioneer Hi-Bred	P63ME70	ExSun / DM	12	100	0	0	0.0	NS
Pioneer Hi-Bred	P63ME80	ExSun / DM	12	97	3	1	0.1	NS
Experimental lines being tested/proposed for registration in Canada								
Dow Seed	E84131	CL / DM	3	96	-4	-8	1.6	HO
NuSeed America	NLK12S069	ExSun	4	101	0	1	-6.3	NS
NRS-USDA	Honeycomb NS	—	3	86	-16	-12	-5.0	NS
NRS-USDA	Honeycomb HO	—	3	86	-3	-7	-3.5	HO
NRS-USDA	Wishbone	—	3	72	0	6	-4.5	NS
CHECK CHARACTERISTICS								
P63ME70			12 site years	3535 lb/ac	122 days	71 inches	42.7 %	

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

Site Comparisons

Hybrid	Genetic Traits	Elm Creek			Holland*			Melita*		
		Yield (lb/ac)	Maturity	%Oil	Yield (lb/ac)	Maturity	%Oil	Yield (lb/ac)	Maturity	%Oil
8N270	CL / DM	2331	107	44.0	2729	114	41.9	2936	111	46.3
Cobalt II	CL / DM	2403	112	39.9	3310	112	41.4	2431	117	43.4
Talon	ExSun	1998	107	36.4	2930	115	39.1	3463	115	42.8
P63ME70	ExSun / DM	3108	112	40.4	3005	116	42.2	3020	115	47.2
P63ME80	ExSun / DM	3072	112	42.3	3032	117	43.8	3102	117	47.0
Experimental lines being tested/proposed for registration in Canada										
E84131	CL / DM	2576	107	42.6	3216	114	43.2	3019	109	46.8
Honeycomb NS	—	2171	92	34.8	2215	97	37.8	3245	104	45.3
Honeycomb HO	—	1984	107	36.1	2856	114	39.6	2785	114	42.7
Wishbone	CL / DM	1487	109	35.6	2692	117	38.1	2439	116	41.0
Site Average		2347	107	39.1	2909	113	40.8	2905	113	
CV%		11.9			7.3			13.1		
Sign Diff		Yes			Yes			Yes		
LSD (0.05)		485			368			658		
Planting Date		11-May			12-May			01-Jun		
Harvest Date		28-Sep			22-Sep			19-Oct		

* Site was desiccated at R9

Distributor Contacts for Varieties in Seed Manitoba 2016

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

CANOLA

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

FLAX

AAC Bravo	FP Genetics
AC Emerson	SeCan
CDC Bethune	SeCan
CDC Glas	SeCan
CDC Neela	CANTERRA SEEDS
CDC Plava	SeCan
CDC Sanctuary	SeCan
CDC Sorrel	SeCan
Hanley	SeCan
Lightning	CANTERRA SEEDS
NuLin VT 50	Crop Production Services (CPS)
Prairie Blue	SeCan
Prairie Grande	SeCan
Prairie Sapphire	Alliance Seed
Prairie Thunder	CANTERRA SEEDS
Taurus	FP Genetics
Vimy	SeCan
WestLin 70	Crop Production Services (CPS)
WestLin 71	Crop Production Services (CPS)
WestLin 72	Crop Production Services (CPS)

MUSTARD

Sinapis alba	
AC Base	Trade
Andante	Trade
Brassica juncea	
AC Vulcan	Trade
Amigo	Trade
Cutlass	Trade
Duchess	Crop Production Services (CPS)
Forge	Crop Production Services (CPS)

CONVENTIONAL SOYBEANS

OAC PRUDENCE	SeCan
AAC EDWARD	SeCan
AAC Morden	SeCan

ROUNDUP READY SOYBEANS

Akras R2	Brett Young
Podaga R2	Brett Young
Lono R2	Brett Young
Notus R2	Brett Young
Pekko R2	Brett Young
Sampsa R2	Brett Young
23-10RY	DEKALB
23-11RY	DEKALB
22-60RY	DEKALB
23-60RY	DEKALB
24-10RY	DEKALB
24-11RY	DEKALB
24-61RY	DEKALB
25-10RY	DEKALB
LS 002R23	Delmar Commodities
LS 002R24N	Delmar Commodities
LS 003R24N	Delmar Commodities
LS 005R22	Delmar Commodities
LS 005R24	Delmar Commodities
LS 008R560	Delmar Commodities
LS Northwester	Delmar Commodities
LS Maidan	Delmar Commodities
900Y61	DuPont Pioneer
900Y71	DuPont Pioneer
P001T34R	DuPont Pioneer
P002T04R	DuPont Pioneer
P006T78R	DuPont Pioneer
P008T22R2	DuPont Pioneer
P008T70R	DuPont Pioneer

ROUNDUP READY SOYBEANS

HS 006RYS24	Hyland Seeds
HS 007RY32	Hyland Seeds
NSC Anola RR2Y	North Star Genetics Manitoba
NSC Arnaud RR2Y	North Star Genetics Manitoba
NSC Gladstone RR2Y	North Star Genetics Manitoba
NSC Libau RR2Y	North Star Genetics Manitoba
NSC Moosomin RR2Y	North Star Genetics Manitoba
NSC Niverville RR2Y	North Star Genetics Manitoba
NSC Reston RR2Y	North Star Genetics Manitoba
NSC Richer RR2Y	North Star Genetics Manitoba
NSC Sanford R2Y	North Star Genetics Manitoba
NSC Tilston RR2Y	North Star Genetics Manitoba
Vito R2	North Star Genetics Manitoba
PS 0055 R2	PRIDE Seeds
PS 0035 NR2	PRIDE Seeds
PS 0074 R2	PRIDE Seeds
PS 0083 R2	PRIDE Seeds
Astro R2	Quarry Seeds Ltd.
TH 33003 R2Y	Quarry Seeds Ltd.
TH 33004R2Y	Quarry Seeds Ltd.
TH 33005R2Y	Quarry Seeds Ltd.
TH 34006R2Y	Quarry Seeds Ltd.
TH 35002R2Y	Quarry Seeds Ltd.
Bishop R2	SeCan
Chadburn R2	SeCan
Currie R2	SeCan
Gray R2	SeCan
Hero R2	SeCan
Mahony R2	SeCan
McLeod R2	SeCan
PRO 2525R2	Sevita International
PRO 2535R2	Sevita International
S007-Y4	Syngenta Canada
S0009-M2	Syngenta Canada
S00-N6	Syngenta Canada
S00-T9	Syngenta Canada

SUNFLOWERS

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

DISTRIBUTOR

PHONE NUMBER

Alliance Seed	1-877-270-2890
Bayer CropScience	1-888-283-6847
Brett Young	1-800-665-5015
CANTERRA SEEDS	1-877-439-7333
Cargill Ltd.	1-888-855-8558
CHS Sunflower	1-701-484-5313
DEKALB	1-800-667-4944
Delmar Commodities	1-888-974-7246
FP Genetics	1-877-791-1045
Dow Seeds	1-800-265-7403
LA COOP FEDEREE	1-450-799-2326
North Star Genetics Manitoba	1-701-454-6427
DuPont Pioneer	1-800-265-9435
PRIDE Seeds	1-800-265-5280
CPS Canada Inc.	1-306-569-5027
Quarry Seeds Ltd.	1-888-274-9243
SeCan	1-800-665-7333
Nuseed Americas Inc	877-841-7447
Sevita International	1-613-989-5400
Syngenta Canada Inc.	1-877-964-3682

Growers List



CANOLA

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

1918 ⌘

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

FLAX

AAC BRAVO ⌘

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R	
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	C	
Somerset; Sierens, Joseph & Chris	204-744-2883	R	
Souris; Kohut, Anton	204-483-2004	C	

AC NUGGET ⌘

Oak Bank; Kyle, Lorne C. & C. Angus	204-362-0513	S	
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CDC BETHUNE ⌘

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C	*
Crystal City; Buchanan, Kenneth S. & Dean K.	204-873-2661	C	*
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	R	
Oak Lake; Smith, Gerald R. & Leigh E.	204-855-3128	C	
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	R	*
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) ..	204-877-3813	R	*
Souris; Kohut, Anton	204-483-2004	C	*

CDC GLAS ⌘

Carman; Menold, Thomas	204-745-3377	R	*
Crandall; Doupe, Neil D.	204-562-3632	R	*
Crystal City; Buchanan, Kenneth S. & Dean K.	204-873-2661	R	*
Elphinstone; Gerrard, Jody	204-759-2213	C	*
Fannystelle; Nadeau, Brian	204-436-2469	R	*
Holland; Marginet, Reginald	204-526-2544	R	*
Kenton; Stevenson, Richard D.O. & Douglas	204-838-2696	C	*
Miami; Elias, Isaac	204-745-3301	R	*
Miniota; Walker, Alan Glen	204-567-3647	C	*
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	R	
Winnipeg; James, David G.	204-222-8785	C	*

CDC NEELA ⌘

Reston; Greig, Fred L. & Fotheringham, John A. (Jack) .	204-877-3813	F	
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FLAX

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CDC SORREL ⌘

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R	*
Carman; Menold, Thomas	204-745-3377	C	*
Decker; Murray, Donald H. & Ryan	204-764-2733	C	*
Foxwarren; Graham, George Arthur	204-683-2367	R	*
Portage; Pugh, William G. & B.M.	204-274-2179	C	*
Rosburn; Mitchell, John	204-859-2431	R	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	S	F

HANLEY ⌘

Sanford; Bergen, Edward Harry & Tim	204-736-2278	S	C
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LIGHTNING ⌘

Glenboro; Jefferies, Ron	204-827-2102	C	
Holland; Patenaude, Donald & Robert	204-526-2391	C	
Holland; Zeghers, Shawn M.	204-526-2366	C	
Somerset; Sierens, Joseph & Chris	204-744-2883	F	C
Wawanesa; Ellis, Warren P. & Simon	204-824-2290	C	

PRAIRIE SAPPHIRE ⌘

Crandall; Doupe, Neil D.	204-562-3632	R	
Roblin; Mann, Ryan L.C.	204-937-2154	R	

WESTLIN 70

Virden; Heaman, Douglas J., Walter, Robert, Kenneth, Brett & Brittany	204-748-2666	C	
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SOYBEANS

23-10RY

Oakville; Murray, Corey D.	204-267-2854	F	
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23-60RY

Gretna; Dyck, Menno & Ryan	204-327-5501	R	
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24-11RY

Gretna; Dyck, Menno & Ryan	204-327-5501	R	
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AAC EDWARD

Carman; Menold, Ulrich & Lucas	204-745-2822	S	F
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AAC MANDOR

Winkler; Delmar Commodity Ltd.		F	
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AKRAS R2

Altona; Sawatzky, John	204-324-4018	R	
Carman; Park, Robert J.	204-745-3304	R	
Dufrost; Catellier, Roger & Richard	204-347-5588	R	
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	R	
St. Norbert; Brett-Young Seeds Limited	204-261-7932	S	F

ASTRO R2

Morris; Dueck, Arthur	204-746-2026	C	
Stonewall; Quarry Grain Commodities Inc.	204-467-8877	R	C

BISHOP R2

Arborg; Timchishen, Donald Victor & Darcy	204-376-5116	F	C
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CHADBURN R2

Morris; Hamblin, Donald & Bradley	204-209-0506	F	
Whitmouth; Klepatz, Wayne	204-348-2294	R	

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CURRIE R2

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

DH863

Carman; Menold, Ulrich & Lucas 204-745-2822 S F
Winnipeg; Cloutier, Denis C. 204-261-4532 R C

GRAY R2

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

HERO R2

Carman; Park, Robert J. 204-745-3304 C
Dauphin; Kaleta, James & Debra 204-638-7800 C
Wawanesa; Ellis, Warren P. & Simon 204-824-2290 R C

JARI

Oak Bluff; Gousseau, Marcel E. 204-895-1357 R

LONO R2

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

LS 002R24N

Gretna; Krahn, Kevin 204-327-6444 C
Winkler; Delmar Commodity Ltd. F R C
Winkler; Ens, Abram E. & Chris & Friesen, Jake 204-325-4658 S

LS 008R560

Winkler; Delmar Commodity Ltd. C

LS MAIDAN

Winkler; Delmar Commodity Ltd. S F R

LS NORTHWESTER

Winkler; Delmar Commodity Ltd. S F R C

LS 003R24N

Winkler; Delmar Commodity Ltd. C

LS 005R22

Winkler; Delmar Commodity Ltd. S F R

LS 005R24

Winkler; Delmar Commodity Ltd. C

MAHONY R2

Altona; Wiebe, Henry D. & Lloyd 204-324-8036 F C
Arborg; Timchishen, Donald Victor & Darcy 204-376-5116 F R C
Brandon; Wheat City Seeds Ltd. 204-727-3337 F C
Carman; Menold, Thomas 204-745-3377 R C
Carman; Menold, Ulrich & Lucas 204-745-2822 S F
Darlingford; Wilson, James M. 204-246-2388 S R C
Dauphin; Kaleta, James & Debra 204-638-7800 C
Dufrost; Catellier, Patrick Raymond 204-347-5503 R C
Oak Bluff; Anseeuw, Mark J. 204-895-8375 R C
Oak Bluff; Gousseau, Marcel E. 204-895-1357 C
Pilot Mound; Wallace, Brad & Joe 204-825-2628 C
Portage; Askin, Raymond T. & Jeffrey S. 204-274-2417 R C
Warren; Riddell, Craig Thomas 204-227-5679 S R C
Wawanesa; Ellis, Warren P. & Simon 204-824-2290 F C
Whitemouth; Klepatz, Wayne 204-348-2294 R C

MCLEOD R2

Altona; Wiebe, Henry D. & Lloyd 204-324-8036 C
Boissevain; Froese, Wesley A.J. & Ian 204-534-6846 R
Brandon; Wheat City Seeds Ltd. 204-727-3337 R
Dauphin; Kaleta, James & Debra 204-638-7800 R

SOYBEANS

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Dufrost; Catellier, Patrick Raymond 204-347-5503 R C
Hazelridge; Saramaga, Robert P. & Andrew 204-755-2817 F
Miniota; Walker, Alan Glen 204-567-3647 C
Oak Bluff; Anseeuw, Mark J. 204-895-8375 R
Oak River; Henry, Cameron & Mc Lean, Eric 204-566-2422 R
Portage; Askin, Raymond T. & Jeffrey S. 204-274-2417 F R
Portage; Pugh, William G. & B.M. 204-274-2179 C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G. 204-355-4495 R
Stonewall; Unger, Ronald K. & Darcy 204-467-8630 R
Virden; Heaman, Douglas J., Walter, Robert, Kenneth, Brett & Brittany 204-748-2666 R
Warren; Riddell, Craig Thomas 204-227-5679 S F R C
Wawanesa; Ellis, Warren P. & Simon 204-824-2290 R
Whitemouth; Klepatz, Wayne 204-348-2294 C
Winnipeg; James, David G. 204-222-8785 C

NOTUS R2

Domain; Manness, Ronald & Patricia & Graeme 204-736-2622 F
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) 204-877-3813 R
St. Norbert; Brett-Young Seeds Limited 204-261-7932 S F R

NSC ANOLA RR2Y

Domain; Manness, Ronald & Patricia & Graeme 204-736-2622 R
Grosse Isle; Rutherford, Rick 204-467-5613 C
Rosenort; Friesen, Lloyd 204-746-8198 C
Rosenort; Friesen, Rick 204-746-8325 C
Wawanesa; Ellis, Warren P. & Simon 204-824-2290 C

Wheat

AC Brandon
Cardale

Oats

Souris
CS Camden New

Soybeans

Conventional
OAC Prudence
OAC Erin

RR Varieties

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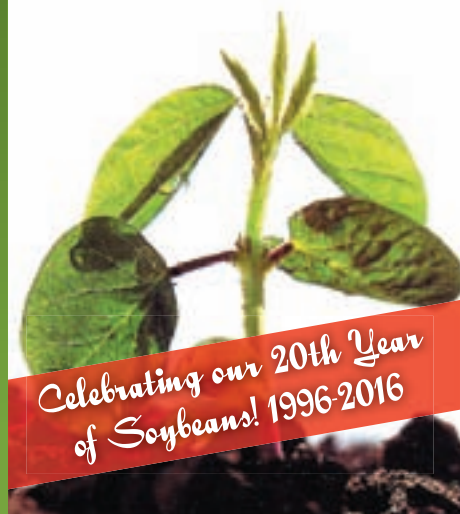


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NSC ARNAUD RR2Y

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R
Domain; Pitura, Carl & Calvin C. & Connor J. &		
Greaves, Tom	204-736-2849	S F
Plum Coulee; Giesbrecht, H. Edward & Raymond J.	204-829-3365	R
Rosenort; Friesen, Lloyd	204-746-8198	R

NSC GLADSTONE RR2Y

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S F C
Domain; Pitura, Carl & Calvin C. & Connor J. &		
Greaves, Tom	204-736-2849	C
Fannystelle; Nadeau, Brian	204-436-2469	C
Grosse Isle; Rutherford, Rick	204-467-5613	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	R C
Homewood; Froebe, Bruce D. & Murray	204-745-6655	C
Plum Coulee; Giesbrecht, H. Edward & Raymond J.	204-829-3365	C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	C
Oak River; Henry, Cameron & McLean, Eric	204-566-2422	C
Rosenort; Friesen, Lloyd	204-746-8198	C
Rosenort; Friesen, Rick	204-746-8325	C
Winnipeg; Northstar Genetics,	204-262-2421	C

NSC LIBAU RR2Y

Grosse Isle; Rutherford, Rick	204-467-5613	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	C

SOYBEANS

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NSC MOOSOMIN RR2Y

Domain; Pitura, Carl & Calvin C. & Connor J. &		
Greaves, Tom	204-736-2849	S F
Fannystelle; Nadeau, Brian	204-436-2469	C
Grosse Isle; Rutherford, Rick	204-467-5613	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	C
Teulon; Johnston, Cody	204-886-7364	C
Winnipeg; Northstar Genetics,	204-262-2421	C

NSC NIVERVILLE RR2Y

Fannystelle; Nadeau, Brian	204-436-2469	R
Winnipeg; Northstar Genetics,	204-262-2421	C

NSC OSBORNE RR2Y

Plum Coulee; Giesbrecht, H. Edward & Raymond J.	204-829-3365	C
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NSC RESTON RR2Y

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	C
Fannystelle; Nadeau, Brian	204-436-2469	R
Grosse Isle; Rutherford, Rick	204-467-5613	S R C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	R
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) .	204-877-3813	C
Somerset; Sierens, Joseph & Chris	204-744-2883	C

NSC RICHER RR2Y

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R C
Domain; Pitura, Carl & Calvin C. & Connor J. &		
Greaves, Tom	204-736-2849	S R C
Fannystelle; Nadeau, Brian	204-436-2469	F R
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	R
Portage; Yuill, Kevin A.	204-857-8708	R
Rosenort; Friesen, Lloyd	204-746-8198	R
Winnipeg; Northstar Genetics,	204-262-2421	R C

NSC SANFORD R2Y

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S F R
Domain; Pitura, Carl & Calvin C. & Connor J. &		
Greaves, Tom	204-736-2849	S F R
Fannystelle; Nadeau, Brian	204-436-2469	R
Rosenort; Friesen, Lloyd	204-746-8198	R
Rosenort; Friesen, Rick	204-746-8325	R
Winnipeg; Northstar Genetics,	204-262-2421	C

NSC TILSTON RR2Y

Carman; Kehler, Jason Wendell	204-745-6425	C
Domain; Pitura, Carl & Calvin C. & Connor J. &		
Greaves, Tom	204-736-2849	C
Fannystelle; Nadeau, Brian	204-436-2469	C
Plum Coulee; Giesbrecht, H. Edward & Raymond J.	204-829-3365	C
Plumas; Court, Randolph A. & Tracy L.	204-386-2354	C
Portage; Yuill, Kevin A.	204-857-8708	R C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) .	204-877-3813	C

OAC MORDEN

Carman; Menold, Ulrich & Lucas	204-745-2822	S F
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OAC PRUDENCE

Arborg; Johnson, Reginald H., James G. & Tim G.	204-642-2570	C
Carman; Menold, Ulrich & Lucas	204-745-2822	S F
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012	C

PEKKO R2

St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	R
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PODAGA R2

St. Norbert; Brett-Young Seeds Limited.....	204-261-7932	S F R
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PRO2525R2

Winkler; Delmar Commodity Ltd. S F R C

PRO2535R2

Winkler; Delmar Commodity Ltd. F C

S007-Y4

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

TAMALA R2

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

TH 32004R2Y

Boissevain; Froese, Wesley A.J. & Ian 204-534-6846 R
Brandon; Wheat City Seeds Ltd. 204-727-3337 C
Gladstone; Jarvis, Blaine 204-856-9454 C
Morris; Dueck, Arthur 204-746-2026 R
Stonewall; Quarry Grain Commodities Inc. 204-467-8877 R C
Stonewall; Quarry Grain Commodities Inc. 204-467-8877 R C
Stonewall; Thunder Seeds C
Winkler; Ens, Abram E. & Chris & Friesen, Jake 204-325-4658 S F

TH 33003R2Y

Boissevain; Froese, Wesley A.J. & Ian 204-534-6846 R
Brandon; Whetter, Rodney & Darren 204-727-0045 R
Oak River; Henry, Cameron & Mc Lean, Eric 204-566-2422 R

SOYBEANS

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Stonewall; Quarry Grain Commodities Inc. 204-467-8877 R C
Stonewall; Quarry Grain Commodities Inc. 204-467-8877 R C
Stonewall; Quarry Grain Commodities Inc. 204-467-8877 R C
Stonewall; Thunder Seeds F
Teulon; Willis, Lyle 204-886-2948 R
Winkler; Ens, Abram E. & Chris & Friesen, Jake 204-325-4658 S

TH 33005R2Y

Brunkild; Kaminsky, Kenneth & Jonathan 204-792-2081 R
Horndean; Siemens, Lavern 204-829-3560 R
Morris; Dueck, Arthur 204-746-2026 S F
St. Joseph; Parent, Renald & Paul 204-737-2625 R
Stonewall; Quarry Grain Commodities Inc. 204-467-8877 R C
Stonewall; Thunder Seeds R
Winkler; Ens, Abram E. & Chris & Friesen, Jake 204-325-4658 R

TH 34006R2Y

Stonewall; Quarry Grain Commodities Inc. 204-467-8877 R

TH 35002 R2Y

Gladstone; Jarvis, Blaine 204-856-9454 R

VITO R2

Domain; Manness, Ronald & Patricia & Graeme 204-736-2622 R
Fannystelle; Nadeau, Brian 204-436-2469 R
Fisher Branch; Caners, Allan 204-372-6863 C
Plumas; Court, Randolph A. & Tracy L. 204-386-2354 C



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Variety Description Key

A “CHECK CHARACTERISTICS” box has been placed at the bottom of each table for fababean, field beans and lentil to display the long term yield, # of site years, maturity and any other check attributes.

The grey box has been placed at the bottom of field peas displaying the “GRAND MEAN” for Yield (bu/acre) and the corresponding LSD value ($p < 0.05$).

Except for the long term average yield, variety description information was obtained from the Co-operative Registration Trials. For Relative Maturity, 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 2015 Yield Tables

Yields derived over 2 or more growing seasons are the best indicator of variety performance. For new varieties, the average yield over all sites is more reliable than data from a single location. Use single site year data with caution.

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

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

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

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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.

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

Variety Descriptions

Class/Variety	Yield (lb/ac)	Site Years Tested	Seed Size TKW (g)	Maturity * (days)	2015 Yield % Check Variety Arborg
Colored Flower (Tannins)					
CDC Fatima	4010	33	520	105	—
CDC SSNS-1	5579	11	335	105	—
Florent	5196	8	660	107	—
Taboar	4689	13	480	107	—
CHECK CHARACTERISTICS					
Snowbird (zero tannin)	4010	33			
White Flower (Zero Tannin)					
CDC Snowdrop	5367	9	335	104	95
Snowbird	5347	12	495	104	100
Tabasco	5207	8	530	106	96
CHECK CHARACTERISTICS					
Snowbird (zero tannin)	5347	12	Snowbird (lb/acre)		3690
			CV%		7.8
			LSD (%)		13
			Sign Diff		Yes
				Seeding Date	25-May
				Harvest Date	02-Sep

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



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FIELD BEANS — Western Manitoba Adaptation Trials (formerly called Narrow Row trials)

Comments:

Long term yield data and days to maturity are from Manitoba Pulse Growers Association Trials grown in 10 to 12 inch row spacing.

More detailed measurements from the trials are available to MPGA 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	Site	Days to ¹ Maturity	Plant ² Type
		2015	2014	2013		Years Tested		
Small Seeded Types					% Envoy		+/- Envoy	
Navy	Envoy	x	x	x	100	44	0	I
Navy	Portage	x	x	x	90	11	1	II
Navy	Bolt	x			91	2	0	II
Navy	Lightning	x		x	109	10	1	II
Navy	OAC Spark	x		x	111	7	-2	I
Black	CDC Jet	x	x	x	108	34	2	II
Black	CDC Superjet	x	x	x	113	14	1	II
Black	CDC Blackstrap (2921-14)	x	x		123	11	1	II
Large Seeded Types					% CDC Pintium		+/- CDC Pintium	
Pinto	CDC Pintium	x	x	x	100	44	0	I
Pinto	CDC Marmot	x	x	x	115	14	1	I
Pinto	CDC WM-2	x	x	x	117	16	4	II
Pinto	Medicine Hat	x			105	8	7	II
Varieties that are registered in the US or being tested or proposed for registration in Canada								
Navy	Teton	x			95	4	4	II
Navy	Cascade	x			81	4	5	II
Navy	2918-25	x	x	x	123	9	-4	II
Navy	3458-7	x	x		107	8	-3	II
Pinto	3119-3	x			93	4	3	II
CHECK CHARACTERISTICS						Yield	Site	Days to
	Bean Grouping	Check Varieties				(lbs/acre)	Years	Maturity
	Small seeded	Envoy				1932	44	102
	Large seeded	CDC Pintium				2070	40	97

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

2 Growth Habit: I- determinate bush, II - indeterminate bush, III - indeterminate vine

FIELD BEANS — Wide Row Trials

Varieties or Lines Tested for the First Time in 2015

Navy: Fathom, DS105W0, 2884-4, 96-Aug 3156, OB-1406-09, OB-4179-03

Black: CDC Blackstrap

Pinto: 11278, 1173-1, 12-441, 1259-60, El Diablo FU, Eldorado, PT234-2-4, Torreon, Vibrant

Pink: 13-796

Cranberry: CR318-6, SV3709GC

Small Red: Viper

Comments:

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

Long term yield data and days to maturity are from Manitoba Pulse & Soybean Growers trials. Results are from row crop trials located at Morden, Portage, Carman, and Winkler sites.

Variety Descriptions¹

MARKET CLASS/Variety	Years tested			Yield % of Check	Site Years Tested	Days to Maturity ² +/- Check
	2015	2014	2013			
NAVY				% of Envoy		+/- Envoy
Bolt	x	x	x	112	7	2
Cargo	x	x	x	103	44	1
DS105W0	x			132	3	5
Envoy	x	x	x	100	64	0
Fathom	x			121	3	4
Indi	x	x	x	126	12	3
Lightning	x	x	x	119	24	2
Nautica	x		x	114	4	6
OAC Spark	x	x	x	97	24	-3
Portage	x	x	x	120	20	1
T9903	x	x	x	116	40	2
T9905	x	x	x	131	20	4
Varieties that are registered in the US or being tested or proposed for registration in Canada						
2884-4	x			107	3	11
96-3156	x			94	3	-3
Avalanche		x		105	3	2
H60-111		x		107	3	5
H60-224		x		107	3	5
ISB 1815-2-Cascade	x	x	x	114	11	4
ISB 1816-Teton	x	x	x	111	11	3
NA6-27-2		x		104	3	2
NAVC6V1200	x	x	x	117	12	4
OB-1406-09	x			92	3	8
OB-4179-03	x			112	3	6
PINTO				% of Windbreaker		+/- Windbreaker
CDC WM-2	x	x	x	85	12	0
Mariah		x	x	92	22	-1
Maverick			x	89	27	1
Medicine Hat		x	x	93	21	-4
ND 307		x	x	97	12	3
Stampede		x	x	94	12	3
Windbreaker	x	x	x	100	42	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
11278	x			103	3	-1
1173-1	x			84	3	0
12-441	x			87	3	1
1259-60	x			79	3	-3
EI-Diablo FU	x			93	3	-1
Eldorado	x			102	3	5
GTS 907	x	x		101	13	0
ISB P1		x		81	4	5
ISB P2		x		79	4	3
ISB P3		x		81	4	0
Max			x	85	5	4
Monterrey	x	x		104	7	3
PIN 1314	x	x		95	7	-1
PIN DJ09-1012	x	x	x	101	12	-2
PT234-2-4	x			78	3	-1
Sequoia			x	84	5	4
Torreón	x			96	3	0
Vibrant	x			103	3	-1
BLACK				% of Eclipse		+/- Eclipse
Blackjack		x	x	91	4	5
Carman Black		x	x	94	17	1
CDC Blackstrap	x			82	3	-3
CDC Jet	x	x	x	89	29	2
CDC Superjet	x	x	x	87	17	1
Eclipse	x	x	x	100	29	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
ACUG 10-B3		x		99	3	1
BKBC6V 1312	x	x	x	92	7	2
cob 2159-00		x	x	91	4	8
GTS 1103		x	x	93	4	4
ISB TR3		x		73	3	-1

FIELD BEANS (continued)

MARKET CLASS/Variety	Years tested			Yield % of Check	Site Years Tested	Days to Maturity ² +/- Check
	2015	2014	2013			
PINK						
				% of Windbreaker		+ / - Windbreaker
Varieties that are registered in the US or being tested or proposed for registration in Canada						
Rosetta		x		113	4	6
13-796	x			85	3	1
CRANBERRY						
				% Cran 09		+/- Cran 09
Cran 09		x	x	100	53	0
Etna		x	x	99	45	1
Varieties that are registered in the US or being tested or proposed for registration in Canada						
1031			x	118	1	-4
BRB 1013		x		87	3	0
CR318-6	x			99	4	2
Krimson	x	x	x	85	8	3
SV3709GC	x			116	4	1
GREAT NORTHERN						
				% of Beryl R		+/- Beryl R
Beryl R	x	x		100	53	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
99118		x		102	12	2
Aries	x	x		118	7	3
Coyne		x		117	4	0
LIGHT RED KIDNEY						
				% Pink Panther		+/-Pink Panther
Pink Panther	x	x	x	100	43	0
Varieties that are registered in the US or being tested or proposed for registration in Canada						
09351	x	x		101	11	-3
09357	x	x		99	7	-3
09378	x	x		92	7	-4
Clouseau	x		x	99	12	0
Small Red						
				% of Windbreaker		+/-Windbreaker
Varieties that are registered in the US or being tested or proposed for registration in Canada						
Viper	x			103	3	2
YELLOW						
				% of Windbreaker		+/- Windbreaker
CDC Sol☀	x	x	x	80	18	3
				First Year Tested	Yield lbs/acre	Site Years Tested
Check Varieties						Days to Maturity
Beryl R			Great Northern	2002	2424	53
Cran 09			Cranberry	2000	2401	53
Eclipse			Black	2005	2367	29
Envoy			Navy	1994	2021	64
Pink Panther			Light Red Kidney	2001	1973	43
Windbreaker			Pinto	2002	2621	42

1 Long term Average Yield is the best indicator of variety performance. Use single site-year data with caution.

2 Due to different weather conditions each year, 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.

Comments:

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

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

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

Variety Descriptions

Market Class	Variety	Yield % Check	Site Years Tested	Maturity Rating ¹	Resistance Level		Seed Wt (TKW)	Cotyledon Colour	2015 Yield: % of CDC Maxim	
					Ascochyta Blight	Anthracnose Race ¹			Hamiota	Melita
Small green	CDC Asterix	95	5	Early	G	F	26	Yellow	104	93
	CDC Invincible CL	78	14	Early	G	G	35	Yellow	93	102
	CDC Milestone	80	10	Early	G	VP	37	Yellow	—	—
	Eston	82	7	Early	VP	VP	33	Yellow	—	—
Medium green	CDC Imigreen CL	63	11	Medium	G	F	63	Yellow	—	—
	CDC Impress CL	68	11	Medium	G	P	52	Yellow	—	—
	CDC Richlea	76	7	Medium	VP	VP	51	Yellow	—	—
Large green	CDC Greenland	63	10	Med/Late	G	VP	64	Yellow	—	—
	CDC Greenstar	98	3	Med/Late	G	F	73	Yellow	84	111
	CDC Impower CL	67	8	Medium	G	P	74	Yellow	58	91
	CDC Improve CL	70	11	Medium	F	VP	67	Yellow	—	—
	CDC Plato	61	11	Med/Late	G	P	62	Yellow	—	—
	Laird	54	7	Very Late	VP	VP	67	Yellow	—	—
French green	CDC Peridot CL	78	11	Early	G	P	40	Yellow	—	—
	CDC Marble	113	5	Early/Med	F	G	32	Yellow	118	116
	CDC QG-2	85	3	Early/Med	F	G	33	Yellow	77	108
Extra small red	CDC Robin	78	10	Early	G	G	30	Red	—	—
	CDC Impala CL	81	11	Early	G	G	31	Red	—	—
	CDC Imperial CL	77	11	Early	G	G	30	Red	—	—
	CDC Redbow	84	8	Early/Med	G	G	42	Red	—	—
	CDC Rosebud	87	10	Early	G	G	29	Red	—	—
	CDC Rosie	90	5	Early/Med	G	G	30	Red	90	85
	CDC Rosetown	88	11	Early	G	G	31	Red	—	—
	CDC Ruby	92	2	Early	G	G	29	Red	—	—
Small red	CDC Dazil	99	6	Early/Med	G	F	35	Red	105	112
	CDC Imax CL	82	14	Medium	G	G	50	Red	81	91
	CDC Impact CL	78	10	Early	G	P	34	Red	—	—
	CDC Maxim CL	100	16	Early/Med	G	G	40	Red	100	100
	CDC Red Rider	83	2	Early/Med	G	F	45	Red	—	—
	CDC Redberry	97	11	Early/Med	G	G	42	Red	—	—
	CDC Redcoat	78	8	Early	G	G	40	Red	—	—
	CDC Scarlet	105	5	Early/Med	G	F	36	Red	97	112
Large red	CDC-KR I	80	11	Medium	G	G	56	Red	83	88
CHECK CHARACTERISTICS							CDC Maxim (lb/ac)		3120	2788
CDC Maxim		16	3215				CV%		11.8	8.3
		site years	lb/ac				LSD (%)		20	14
							Sign Diff		Yes	Yes
Seeding Date									08-May	29-Apr
Harvest Date									22-Sep	18-Aug

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

FIELD PEAS

Comments:

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

New for 2015

Variety	Code	Breeder	Distributor	Seed Availability
AAC Lacombe	MP1899	AAFC Lacombe	SeedNet Inc	2016
CDC Inca	CDC 2847-21	Crop Development Centre	Saskatchewan Pulse Growers	2018
AAC Royce	MP1880	AAFC Lacombe	Columbia Seeds	2018
AAC Radius	MP 1867	AAFC Lacombe	Columbia Seeds	2018

Variety Descriptions

Variety	Site Years Tested	Yield (bu/acre)	Relative Maturity	Relative Vine Length	Seed Size (TSW)	Resistance Level to:							Seed coat breakage	Seed ³ coat Dimpling
						Green ¹	Lodging	Powdery Mildew	Mycos- phaerella blight	Fusarium ² Wilt	Bleaching			
						seed coats								
Yellow														
AAC Ardill	6	71	M	M	240	n/a	G	VG	F	G	n/a	G	n/a	
AAC Lacombe☼	4	72	M	L	270	F	G	VG	F	F	n/a	G	G	
Abarth☼	6	71	E	M	280	G	VG	VG	F	F	n/a	F	G	
AC Earlystar	6	72	E	M	210	G	G	VG	F	F	n/a	F	G	
Agassiz☼	43	74	M	M	230	G	G	VG	F	F	n/a	G	F	
Argus☼	14	70	M	M	230	G	G	VG	F	F	n/a	F	F	
CDC Amarillo	6	76	M	M	230	G	VG	VG	F	G	n/a	F	F	
CDC Bronco	31	63	M	M	230	G	G	VG	F	F	n/a	G	G	
CDC Centennial	20	73	E	S	270	F	F	VG	F	F	n/a	G	G	
CDC Golden	48	68	M	M	230	G	G	VG	F	F	n/a	G	G	
CDC Hornet	30	70	M	M	220	G	G	VG	F	F	n/a	F	G	
CDC Inca	4	76	M	L	230	F	G	VG	F	F	n/a	G	G	
CDC Meadow	56	73	E	M	220	G	G	VG	F	F	n/a	G	G	
CDC Mozart	34	71	M	S	220	F	F	VG	F	F	n/a	G	G	
CDC Prosper	29	65	E	M	150	G	G	VG	F	G	n/a	G	F	
CDC Saffron	20	73	M	M	250	G	G	VG	F	F	n/a	G	F	
CDC Treasure	37	70	E	M	210	G	G	VG	F	G	n/a	F	F	
Cutlass	65	68	M*	M*	220	G	G	VG	F	F	n/a	F	F	
Eclipse☼	62	71	M	M	250	G	G	VG	F	F	n/a	G	F	
Hugo	14	70	M	M	220	n/a	G	VG	F	G	n/a	G	n/a	
Polstead	35	70	M	M	280	F	G	VG	P	P	n/a	F	F	
Reward☼	20	72	M	L	240	F	G	VG	F	F	n/a	G	G	
Sorento☼	28	71	M	M	260	G	F	VG	F	F	n/a	G	F	
SW MIDAS	29	70	E	M	220	G	G	VG	F	F	n/a	G	G	
Thunderbird☼	26	72	M	M	220	F	G	VG	F	F	n/a	G	G	
Green														
AAC Radius	6	62	M	M	230	n/a	G	VG	F	G	VG	VG	G	
AAC Royce	70	4	M	M	250	n/a	F	VG	F	F	G	G	n/a	
CDC Greenwater	6	74	L	M	220	n/a	G	VG	F	G	G	VG	G	
CDC Limerick	6	73	L	M	210	n/a	VG	VG	F	F	G	VG	G	
CDC Patrick	42	68	M	M	190	n/a	G	VG	F	G	G	G	G	
CDC Pluto	9	68	M	M	160	n/a	F	VG	F	F	G	G	G	
CDC Raezer	11	67	M	M	220	n/a	VG	VG	F	G	G	G	G	
CDC Sage	19	59	M	M	220	n/a	G	VG	F	G	G	G	F	
CDC Striker	61	65	M	M	230	n/a	VG	P	F	G	G	VG	G	
CDC Tetris	25	68	L	M	210	n/a	G	VG	F	G	G	G	G	
COOPER☼	47	69	L	M	270	n/a	G	VG	F	F	G	F	G	
Other Pea types														
CDC Dakota (Dun)	19	76	M	M	205	n/a	VG	VG	F	n/a	n/a	G	VG	
CDC Horizon (Silage)	17	63	M	L	170	G	G	VG	F	n/a	n/a	G	G	
CDC Leroy (Silage)	20	62	M	L	150	G	F	VG	F	n/a	n/a	G	G	
CDC Mosaic (Maple)	17	60	L	M	180	n/a	G	VG	F	n/a	n/a	G	VG	
CDC Rocket (Maple)	19	64	M	M	210	n/a	F	VG	F	n/a	n/a	G	VG	
CDC Tucker (Silage)	21	65	M	L	170	F	G	VG	F	n/a	n/a	G	G	
Stella (Silage)☼	14	58	L	L	220	n/a	G	VG	F	n/a	n/a	G	n/a	
GRAND MEAN		65												
LSD (0.05)		4												

* The relative maturity of the variety Cutlass is 99 days (Medium). Please add 3 - 4 days for each rating beyond Medium. The relative vine length for Cutlass is 34 inches (Medium)

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

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

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

Yield Comparisons

Variety	2015 Yield (bu/ac)			
	Boissevain	Hamiota	Melita	Thornhill
Yellow				
AAC Ardill	95	52	70	77
AAC Lacombe	98	52	62	91
Abarth	95	42	77	79
AC Earlstar	99	73	67	80
Agassiz	93	60	70	79
CDC Amarillo	101	78	81	82
CDC Golden	85	64	64	75
CDC Inca	101	82	72	84
CDC Meadow	98	65	71	79
CDC Saffron	90	57	73	81
Green				
AAC Radius	97	68	60	63
AAC Royce	92	59	79	78
CDC Greenwater	97	73	71	86
CDC Limerick	102	85	71	79
CDC Patrick	89	81	62	69
CDC Striker	90	57	68	71
SITE GRAND MEAN (bu/acre)	95	65	70	78
CV %	5.6	8.9	8.6	8.8
LSD (bu/ac)	9	10	10	11
Sign Diff	Yes	Yes	Yes	Yes
Seeding Date	12-May	08-May	29-Apr	01-May
Harvest Date	26-Aug	02-Sep	10-Aug	25-Aug



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Distributor Contacts for Varieties in Seed Manitoba 2016

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

FABABEANS

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

FIELD BEANS

NAVY (WHITE)	
AC Cruiser	Hensall District Coop
Aspen	Saskcan Pulse Trading
Bolt	Hensall District Coop
Cargo	Various Bean Dealers
Fathom	University of Guelph
Envoy	Various Bean Dealers
DS105W0	Dow Seeds
Indi	ADM- Seed West
Lightning	Hensall District Coop
Nautica	Hensall District Coop
OAC Spark	University of Guelph
Portage	CANTERRA SEEDS
T9903	Dow Seeds
T9905	Dow Seeds
PINTO	
CDC Pintium	Various Bean Dealers
CDC Marmot	University of Saskatchewan
CDC WM-2	University of Saskatchewan
Maverick	Various Bean Dealers
Mariah	CANTERRA SEEDS
Medicine Hat	CANTERRA SEEDS
ND 307	Legumex Walker Canada Inc.
Stampede	Legumex Walker Canada Inc.
Windbreaker	CANTERRA SEEDS
Winmor	Viterra
BLACK	
Blackjack	Gen-Tec Seeds Ltd.
Carman Black	Agriculture and Agri-Food Canada
CDC Blackcomb	University of Saskatchewan
CDC Blackstrap	University of Saskatchewan
CDC Jet	Ben Martens Charlois & Seed
Eclipse	Legumex Walker Canada Inc.
CDC SuperJet	Ben Martens Charlois & Seed
CRANBERRY	
Cran 09	Various Bean Dealers
Etna	Seminis Vegetable Seeds
GREAT NORTHERN	
Beryl R	Various Bean Dealers
LIGHT RED KIDNEY	
Pink Panther	Various Bean Dealers
WHITE KIDNEY	
GTS 402	Various Bean Dealers
YELLOW	
CDC Sol	Legumex Walker Canada Inc.

LENTILS

CDC Asterix	Saskatchewan Pulse Growers
CDC Dazil	Saskatchewan Pulse Growers
CDC Greenland	Saskatchewan Pulse Growers
CDC Greenstar	Saskatchewan Pulse Growers
CDC Imax CL	Saskatchewan Pulse Growers
CDC Imigreen CL	Saskatchewan Pulse Growers
CDC Impact CL	Saskatchewan Pulse Growers
CDC Impala CL	Saskatchewan Pulse Growers
CDC Imperial CL	Saskatchewan Pulse Growers
CDC Impower CL	Saskatchewan Pulse Growers
CDC Impress CL	Saskatchewan Pulse Growers
CDC Improve CL	Saskatchewan Pulse Growers
CDC Invincible CL	Saskatchewan Pulse Growers
CDC KR-1	Saskcan Pulse Trading
CDC Marble	Saskatchewan Pulse Growers
CDC Maxim CL	Saskatchewan Pulse Growers
CDC Milestone	Saskatchewan Pulse Growers
CDC Peridot CL	Saskatchewan Pulse Growers
CDC Plato	Saskatchewan Pulse Growers
CDC QG-2	Saskatchewan Pulse Growers
CDC Red Rider	Saskatchewan Pulse Growers
CDC Redberry	Saskatchewan Pulse Growers
CDC Redbow	Saskatchewan Pulse Growers
CDC Redcoat	Saskatchewan Pulse Growers

LENTILS

CDC Richlea	Saskatchewan Pulse Growers
CDC Robin	Saskatchewan Pulse Growers
CDC Rosebud	Saskatchewan Pulse Growers
CDC Rosetown	Saskatchewan Pulse Growers
CDC Rosie	Saskatchewan Pulse Growers
CDC Ruby	Saskatchewan Pulse Growers
CDC Scarlet	Saskatchewan Pulse Growers

FIELD PEAS

AAC Ardill	Wagon Wheel Seed Corp.
AAC Lacombe	SeedNet Inc
AAC Radius	Columbia Seeds
AAC Royce	Columbia Seeds
Abarth	FP Genetics
AC Earlystar	CANTERRA SEEDS
Agassiz	CANTERRA SEEDS
Argus	SeCan
Canstar	Canseed (Canada) Ltd.
CDC Amarillo	Saskatchewan Pulse Growers
CDC Bronco	Saskatchewan Pulse Growers
CDC Centennial	Saskatchewan Pulse Growers
CDC Dakota	Saskatchewan Pulse Growers
CDC Golden	Saskatchewan Pulse Growers
CDC Greenwater	Saskatchewan Pulse Growers
CDC Horizon	Saskatchewan Pulse Growers
CDC Hornet	Saskatchewan Pulse Growers
CDC Inca	Saskatchewan Pulse Growers
CDC Leroy	Saskatchewan Pulse Growers
CDC Limerick	Saskatchewan Pulse Growers
CDC Meadow	Saskatchewan Pulse Growers
CDC Mosaic	Saskatchewan Pulse Growers
CDC Mozart	Saskatchewan Pulse Growers
CDC Patrick	Saskatchewan Pulse Growers
CDC Pluto	Saskatchewan Pulse Growers
CDC Prosper	Saskatchewan Pulse Growers
CDC Raezer	Saskatchewan Pulse Growers
CDC Rocket	Saskatchewan Pulse Growers
CDC Saffron	Saskatchewan Pulse Growers
CDC Sage	Saskatchewan Pulse Growers
CDC Striker	Saskatchewan Pulse Growers
CDC Tetris	Saskatchewan Pulse Growers
CDC Treasure	Saskatchewan Pulse Growers
CDC Tucker	Saskatchewan Pulse Growers
COOPER	CANTERRA SEEDS
Cutlass	Saskatchewan Pulse Growers
Eclipse	FP Genetics
Hugo	Alliance Seed
Polstead	FP Genetics
Reward	SeCan
Sorento	FP Genetics
Stella	Alliance Seed
SW MIDAS	FP Genetics
Thunderbird	CANTERRA SEEDS

DISTRIBUTOR

PHONE NUMBER

AAFC - Harrow	1-519-738-2251
ADM-Seed West	1-800-637-5843
Agriculture and Agri-Food Canada	1-613-773-1000
Alliance Seed	1-877-270-2890
Ben Martens Charlois & Seed	1-204-534-6952
Canseed (Canada) Ltd.	1-780-674-2595
CANTERRA SEEDS	1-877-439-7333
Columbia Seeds	1-403-654-2158
Cyre Seed Farms	1-780-349-4775
University of Saskatchewan	1-306-966-5855
FP Genetics	1-877-791-1045
Hensall District Coop	1-204-295-3938
Dow Seeds	1-204-745-7179
Legumex Walker Canada Inc.	1-204-829-2326
Riddell Seed Co.	1-204-227-5679
Saskatchewan Pulse Growers	1-306-668-5556
SeCan	1-800-665-7333
SeedNet Inc.	1-403-952-0913
Seminis Vegetable Seeds	1-519-351-7640
Terramax Holding Corp.	1-306- 699-7368
University of Guelph	1-519-824-4120
Wagon Wheel Seed Corporation	1-306-896-2647

Growers List



FABABEANS

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

FLORENT

Dauphin; Fisher Seed Farms Ltd.....204-622-8800 C

TABASCO ☼

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

TABOAR ☼

Rivers; Lepp, Leonard204-328-7158 C

FIELD BEANS

CDC BLACKSTRAP

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

CDC JET

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

CDC SUPERJET

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

WINDBREAKER

Altona; Wiebe, Henry D. & Lloyd204-324-8036 C
Portage; Sissons, Grant G., Donald Angus & Blye204-857-7341 C
Winkler; Ens, Abram E. & Chris & Friesen, Jake204-325-4658 C

FIELD PEAS

AAC ARDILL

Minto; Fraser, Rick G.204-776-2047 S

AAC CARVER ☼

Domain; Manness, Ronald & Patricia & Graeme204-736-2622 S F
Glenboro; Jefferies, Ron.....204-827-2102 S F
Stonewall; Unger, Ronald K. & Darcy.....204-467-8630 S F

ABARTH ☼

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

FIELD PEAS

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AGASSIZ ☼

Decker; Murray, Donald H. & Ryan.....204-764-2733 S R C
Domain; Manness, Ronald & Patricia & Graeme204-736-2622 S F R
Glenboro; Jefferies, Ron.....204-827-2102 C
Rosenort; Friesen, Rick204-746-8325 C
Stonewall; Unger, Ronald K. & Darcy.....204-467-8630 C
Virde; Heaman, Douglas J.....204-748-2666 F
Virde; Heaman, Douglas J., Walter, Robert, Kenneth, Brett & Brittany204-748-2666 R C

CDC AMARILLO

Brandon; Wheat City Seeds Ltd.....204-727-3337 C
Decker; Murray, Donald H. & Ryan.....204-764-2733 R
Kenton; Stevenson, Robert H. & Sidney H.....204-838-2012 R
Oak Lake; Smith, Gerald R. & Leigh E.....204-855-3128 C
Rivers; Redesper Ent. Ltd.....204-328-5346 C

CDC MEADOW

Crystal City; Buchanan, Kenneth S. & Dean K.....204-873-2661 R
Foxwarren; Graham, George Arthur.....204-683-2367 C
Hamiota; Knight, Ronald M. & Jeff204-764-2450 R C
Holland; Kubinec, Anastasia.....204-526-2776 C
Holland; Patenaude, Donald & Robert204-526-2391 R C
Kenton; Stevenson, Robert H. & Sidney H.....204-838-2012 C
Miniota; Walker, Alan Glen204-567-3647 R
Minto; Ayre, Andrew204-776-2333 C
Oak Lake; Smith, Gerald R. & Leigh E.....204-855-3128 C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) 204-877-3813 C
Rivers; Redesper Ent. Ltd.....204-328-5346 C



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* Stampede	LIGHT RED	GREAT
* ND-307	KIDNEY	NORTHERN
Medicine Hat	Pink Panther	Beryl
NAVY	Clouseau	Coyne
T9903	PINK	YELLOW
T9905	Pink Floyd	CDC SOL
Indi	Rosetta	

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*NDSU / RF



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Agassiz PEAS; Bravo FLAX;
Summit OATS; Newdale Barley

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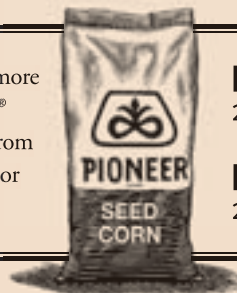
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Variety Description Key

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

Except for the long term average yield, variety description information for canary seed and buckwheat was obtained from the Co-operative Registration Trials.

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

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

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

The Canadian Seed Trade Association (CSTA) has launched the new Crop Varieties Registered in Canada and Plant Breeders' Rights Status database to assist seed sector stakeholders to easily identify PBR protection on crop varieties registered for sale in Canada: <http://cdnseed.org/library/crop-kinds-database/>. Additional information is also available at www.PBRfacts.ca.

Key to 2015 Yield Tables

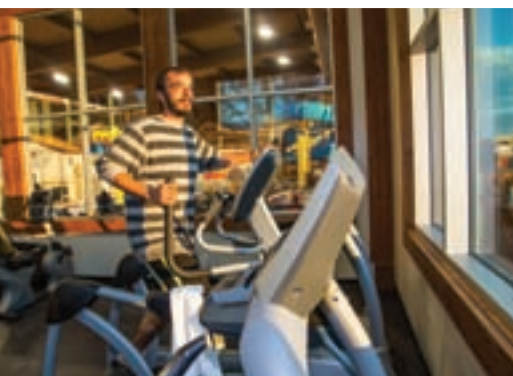
Yields derived over two or more growing seasons are the best indicator of variety performance. For new varieties, "2015 Average Yield" over all sites is more reliable than data from a single location. Use single site year data with caution.

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

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

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

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Comments:

Buckwheat was not tested in 2014, and was last tested in 2013.

Variety Descriptions

Variety	Yield %	Site Years Tested	Days to 50% Bloom	Height	2015 Average	2015 Yield: % of Koma		
	Check		+/- Check	+/- Check	Yield	Dauphin	Melita	Roblin
AC Manisoba	115	21	-3	-2	123	135	107	124
AC Springfield	115	21	-1	-5	119	122	108	127
Horizon	126	12	—	—	122	124	107	138
Koma	100	21	0	0	100	100	100	100
Koto	120	21	-2	-3	119	135	83	139
Mancan	108	21	-2	-6	117	122	98	133
Manor	111	4	—	—	—	—	—	—
CHECK CHARACTERISTICS						2442	1676	1848
Koma	1608	21	47	45	CV%	8.1	10.6	7.5
	lb/acre	site years	days	inches	LSD%	15	—	14
					Sign Diff	Yes	No	Yes
					Seeding Date	04-Jun	11-Jun	29-May
					Harvest Date	09-Oct	08-Oct	15-Oct



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CANARYSEED

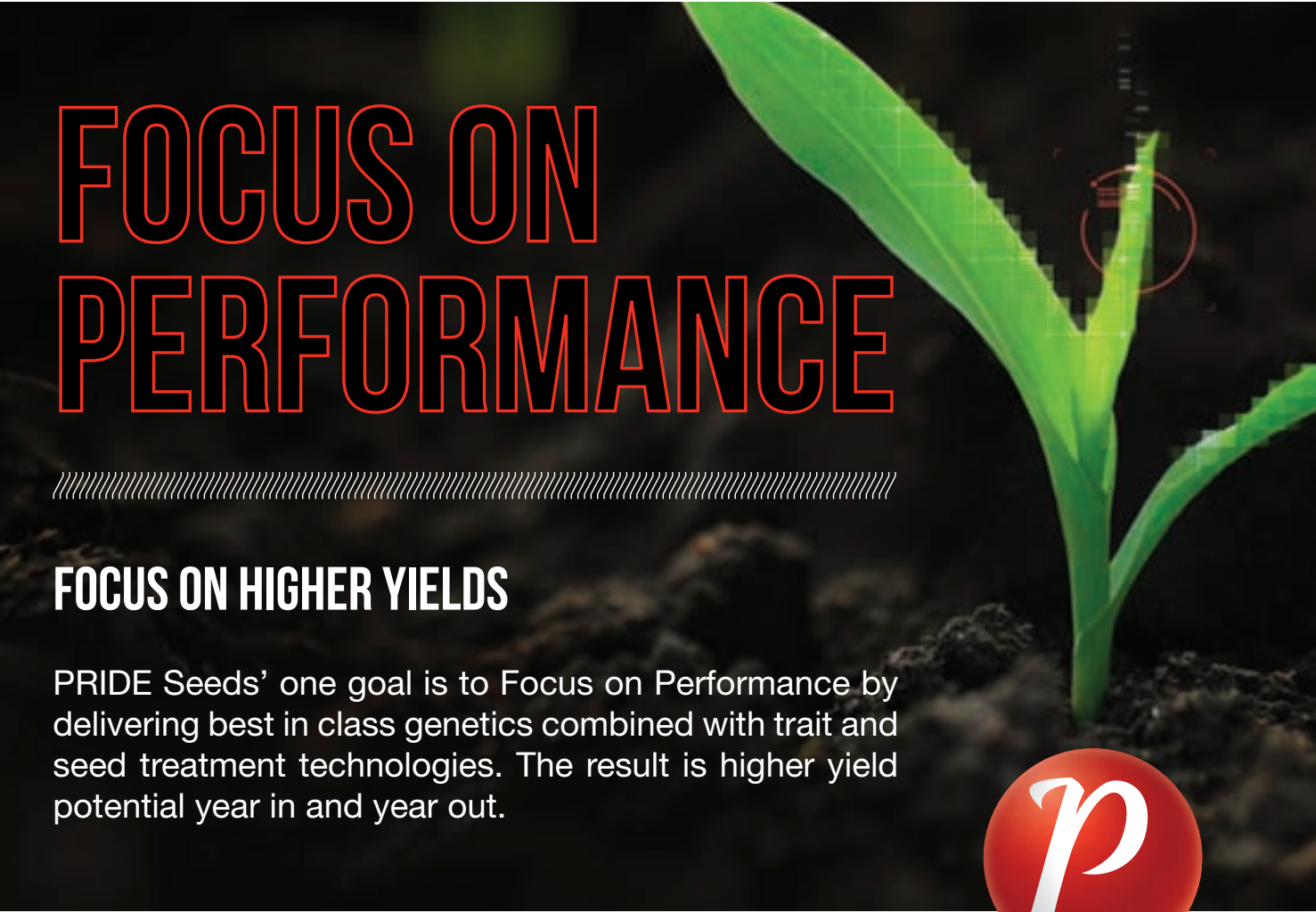
Comments:

Canaryseed was last tested in 2006.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Days to Maturity +/- Check	Height +/- Check	Seed ¹ Size
Conventional Types (Hairy)					
Cantate	92	6	-2	-2	L
Keet	100	38	0	0	S
Hairless Types					
CDC Bastia	81	4	5	-1	M
CDC Maria	73	14	4	-3	M
CDC Togo	70	10	6	-1	L
CHECK CHARACTERISTICS					
Keet	1588 lb/acre	38 site years	105 days	44 inches	

¹ TKW ranges from 7.1 g to 8.0 g, L= Large, M = Medium, S= Small.



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GRAIN CORN

Comments:

The 2015 grain corn hybrid trials were tested and the data donated by the Manitoba Corn Committee. The data presented is for one year only. Use with caution.

All hybrids are evaluated at a plant population of 30,000 plants per acre.

Yields are corrected to 15.5% moisture content.

The Manitoba Corn Committee publishes the annual results with all yearly data, as well as long term data, in their brochure which is available from the Manitoba Corn Grower's Association (204-745-6661).

CHU ¹	Hybrid	Traits / Genetic Traits ²	Distributor	Carman			Morden			St. Pierre		
				Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)
2000	P7005AM	YGCB/HX1/LL/RR2	DuPont Pioneer	—	—	—	—	—	—	126	19.8	54.6
2050	TH Exp 73	VT2P	Quarry Seed	195	24.6	56.0	135	20.2	58.8	152	20.4	56.8
2050	P7202AM	YGCB/HX1/LL/RR2	DuPont Pioneer	216	25.9	55.6	116	15.0	57.3	171	23.9	53.6
2050	P7211HR	HX1/LL/RR2	DuPont Pioneer	149	23.8	53.5	119	16.5	55.5	124	20.6	54.2
2050	P7332R	RR2	DuPont Pioneer	219	24.1	54.0	141	19.9	55.0	185	21.0	53.6
2075	DKC 23-17RIB	GENVT2P	Monsanto Canada Inc.	238	25.9	54.2	127	24.6	56.4	163	20.9	56.4
2075	TH4574	RR	Quarry Seed	207	27.5	54.0	124	22.5	58.4	171	21.8	56.6
2100	LR9573VT2PRIB	VT2PRIB	Delmar Commodities	235	27.6	53.9	142	22.7	57.7	180	21.6	55.2
2100	TH7574	VT2P	Quarry Seed	198	26.5	55.2	132	24.7	57.8	174	22.3	55.4
2100	P7410HR	HX1/LL/RR2	DuPont Pioneer	173	24.5	52.9	129	18.3	54.4	122	20.1	51.8
2100	Focus	GT	Fraser Seeds	206	25.9	52.4	120	26.0	53.2	—	—	—
2100	PS 2263VT2P RIB	GENVT2P RIB	DLF Pickseed Canada Inc.	221	27.7	52.6	136	22.8	56.0	172	21.4	53.9
2125	LR 9474VT2PRIB	VT2PRIB	Delmar Commodities	241	27.3	52.8	146	30.2	55.0	180	21.7	53.4
2150	DKC 26-28RIB	GENVT2P	Monsanto Canada Inc.	205	26.1	53.0	139	21.5	56.7	181	21.0	55.1
2150	A4025G3 RIB	VT2P	PRIDE Seeds	200	26.2	52.8	139	24.7	55.6	164	21.4	53.9
2150	E44A02 R	GENVT2P RIB	Elite Seeds	210	26.8	54.8	130	19.6	56.6	149	21.6	53.8
2150	E46J77 R	GT	Elite Seeds	228	26.5	54.2	135	21.5	57.5	161	21.4	55.9
2175	A4199G2 RIB	VT2P	PRIDE Seeds	230	25.1	55.0	126	21.1	56.6	174	20.7	54.5
2175	LR 9975RR	RR	Delmar Commodities	191	27.7	52.7	151	26.9	54.8	—	—	—
2175	PS 2210VT2P RIB	GENVT2P RIB	DLF Pickseed Canada Inc.	230	27.1	53.6	151	30.3	55.2	217	22.0	54.0
2200	DKC 27-55RIB	GENVT2P	Monsanto Canada Inc.	208	26.9	54.5	134	24.5	57.9	170	23.1	54.9
2200	A4415G2 RIB	VT2P	PRIDE Seeds	218	25.6	54.2	126	25.1	57.2	191	22.2	55.0
2200	LR 9676VT2PRIB	VT2PRIB	Delmar Commodities	239	27.9	53.2	127	24.3	56.8	—	—	—
2200	LR 9376RR	RR	Delmar Commodities	224	29.4	52.0	143	33.5	53.7	—	—	—
2200	TH4578	RR	Quarry Seed	215	24.8	54.8	140	27.9	54.4	204	22.4	51.9
2200	TH7677	VT2P	Quarry Seed	236	27.8	52.1	144	28.5	55.6	172	22.2	53.3
2200	Magnum	3110	Fraser Seeds	194	25.6	56.3	132	22.6	57.6	155	21.2	55.8
2225	TH7578	VT2P	Quarry Seed	239	24.9	54.2	155	29.3	54.8	189	22.2	52.7
2225	P7632AM	YGCB/HX1/LL/RR2	DuPont Pioneer	224	26.3	53.2	140	22.8	55.1	160	21.9	52.7
2225	E47A12 R	GENVT2P RIB	Elite Seeds	206	27.1	52.8	145	29.3	55.6	179	22.1	53.9
2225	13B	3110	Fraser Seeds	214	27.4	52.6	144	29.7	54.7	—	—	—
2250	39V05	RR2	DuPont Pioneer	199	24.9	54.0	137	23.2	54.3	166	21.5	53.7
2250	39D97	HX1/LL/RR2	DuPont Pioneer	217	26.2	53.4	149	26.3	55.9	—	—	—
2250	PS2348VT2P RIB	GENVT2P RIB	DLF Pickseed Canada Inc.	235	27.6	53.1	139	24.8	55.9	196	22.2	54.5
2250	4078	HXT/LL/RR	Dow Seeds	247	27.6	54.2	137	29.0	54.7	170	22.4	53.2
2250	2774 GTCBLL	GT/CB/LL	NuSeed	252	24.3	52.6	147	22.3	55.6	139	21.4	53.3
2275	P7958AM	YGCB/HX1/LL/RR2	DuPont Pioneer	182	26.6	53.7	152	23.6	55.4	180	21.8	52.4
2275	3085	RR	Dow Seeds	202	26.2	54.0	143	29.0	54.4	146	23.4	53.2
2275	4085	HXT/LL/RR	Dow Seeds	211	26.8	54.5	146	23.1	54.6	164	23.8	53.8
2275	39V09AM	YGCB/HX1/LL/RR2	DuPont Pioneer	230	26.4	52.5	146	24.4	53.8	179	22.1	52.2
2275	PS2348VT2P	GENVT2P RIB	DLF Pickseed Canada Inc.	235	26	55.2	136	28.1	55.6	196	22.3	53.4
2275	BAXX0S RR	RR	Dow Seeds	227	25.9	55.6	131	31.5	56.0	158	22.8	54.8
2290	HZ 675	Agrisure GT/CB/LL	Horizon Seeds	233	27.6	54.0	150	30.3	54.2	153	23.5	52.7
2300	A4631G2 RIB	VT2P	PRIDE Seeds	218	26.2	53.8	138	26.0	55.7	175	21.8	54.3
2300	MZ 1633DBR	GENVT2P	Maizex Seeds Inc.	266	26.0	54.6	146	26.4	55.4	201	20.6	54.2
2300	MZ 1624DBR	GENVT2P	Maizex Seeds Inc.	260	27.8	53.6	154	29.1	54.5	191	22.5	52.7
2300	MZ 1610R	RR	Maizex Seeds Inc.	—	—	—	—	—	—	179	21.1	54.2
2300	3093	HXT/LL/RR	Dow Seeds	201	28.0	53.2	132	29.5	54.2	168	22.5	53.7
2300	4093	RR	Dow Seeds	225	29.6	52.2	137	28.6	55.1	163	22.5	53.4
2325	DKC 30-07RIB	GENVT2P	Monsanto Canada Inc.	226	27	53.2	145	27.5	54.8	178	21.8	53.2
2325	E49A12 R	GENVT2P RIB	Elite Seeds	270	26.0	53.1	156	31.7	55.5	173	21.7	53.6

CHU ¹	Hybrid	Traits / Genetic Traits ²	Distributor	Carman			Morden			St. Pierre		
				Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)
2350	DS80A2T	SSX	Dow Seeds	241	29.0	52.6	144	32.5	51.5	173	23.6	51.2
2350	A4939G2 RIB	VT2P	PRIDE Seeds	218	27.6	51.4	156	28.3	54.9	194	22.1	52.8
2375	HZ 730GT	Agrisure GT	Horizon Seeds	200	29.0	51.9	133	28.7	52.2	141	22.1	51.0
2375	A5095G2 RIB	VT2P	PRIDE Seeds	266	27.8	53.5	160	31.3	54.9	169	22.6	53.7
2400	E50P52 R	GENVT2P RIB	Elite Seeds	239	27	54.0	154	27.9	54.8	—	—	—
2450	HX 13103Y	Agrisure Vipera 3220 E-Z Refuge	Horizon Seeds	250	30.8	52.5	152	41.4	52.5	165	23.9	51.4
2450	E52V92 R	GENVT2P RIB	Elite Seeds	267	27.0	53.3	160	34.0	54.1	—	—	—
2475	P8210HR	HX1/LL/RR2	DuPont Pioneer	269	28.1	52.9	155	27.5	54.3	174	24.4	51.3
2500	DKC 33-78RIB	GENV2P	Monsanto Canada Inc.	253	27.8	53.9	171	28.7	55.9	—	—	—
2500	P8387AM	YGCB/HX1/LL/RR2	DuPont Pioneer	234	26.9	53.5	152	25.2	53.0	—	—	—
2500	E53B22 R	GENVT2P RIB	Elite Seeds	267	28.2	53.3	151	27.9	54.7	—	—	—
2500	4164	GT/CB/LL/RW/XT	Dow Seeds	261	30.4	52.2	153	38.9	52.1	186	24.2	52.3
2550	HZ 760GT	Agrisure GT	Horizon Seeds	203	29.5	51.7	144	31.8	52.9	—	—	—
2550	P8651HR	HX1/LL/RR2	DuPont Pioneer	257	28.7	53.4	156	32.4	54.3	—	—	—
2550	P8673XR	HXX1/LL/RR2	DuPont Pioneer	253	28.5	51.7	156	34.3	52.3	—	—	—
2600	P8542AM	YGCB/HX1/LL/RR2	DuPont Pioneer	250	28.5	53.0	148	33.5	53.4	—	—	—
2600	P8622AM	YGCB/HX1/LL/RR2	DuPont Pioneer	249	31.1	51.6	155	29.0	53.3	—	—	—
Site Average				224	27.0	53.6	142	26.9	55.2	170	22.0	53.7
CV%				8.2	5.1	2.3	6.5	8.0	1.3	9.2	4.2	1.7
Sign Diff				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LSD (0.05)				30	2.2	1.9	15	34.6	1.2	25	1.5	1.5
Planting Date				May 30, 2015			May 9, 2015			May 21, 2015		
Harvest Date				October 14, 2015			September 22, 2015			October 16, 2015		

¹ Each company assigns a corn heat unit (CHU) rating to each of their hybrids. The CHU rating is a measure of relative maturity and is one criteria for choosing a hybrid which will mature in your area. Moisture content at harvest, density, and days to 50% silk are other measurements to look at when evaluating the relative maturity of a hybrid.

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

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INDUSTRIAL HEMP

Comments:

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

THC testing for some varieties is required.

As per the Industrial Hemp Regulations, industrial hemp varieties must be approved for commercial cultivation under licence for the current crop year. Please refer to Health Canada’s “List of Approved Cultivars for the 2016 Growing Season” report prior to seeding.

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

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

Variety Descriptions

	Yield %	Site Years Tested	2015 Yield: % of CRS-1
Variety	Check	Tested	Roblin
Alyssa	82	13	—
Anka	81	10	—
Canda	110	18	86
CanMa	88	3	—
CFX-1	93	18	106
CFX-2	94	17	92
CRS-1	100	21	100
Delores	98	19	103
Finola☼	60	16	83
Grandi☼	97	1	97
GranMa	78	1	78
Joey	117	13	92
Jutta	94	8	—
Katani☼	98	1	98
Piccolo☼	95	1	95
Silesia	75	11	75
X59☼	101	12	81
Varieties that are being evaluated for approval			
Debbie	94	11	95
Judy	64	1	64
CHECK CHARACTERISTICS			
CRS-1	1548	21	CRS-1 (lb/acre)
	lb/acre	site years	CV%
			LSD%
			Sign Diff
			Seeding Date
			Harvest Date
			21-May
			14-Sep



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Distributor Contacts for Varieties in Seed Manitoba 2016

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

BUCKWHEAT

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

CANARYSEED

Cantate	Hansen Seeds
CDC Bastia	Public - Crop Development Center
CDC Maria	Public - Crop Development Center
CDC Togo	CANTERRA SEEDS
Keet	Public - Crop Development Center

GRAIN CORN

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

INDUSTRIAL HEMP

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

DISTRIBUTOR

PHONE NUMBER

Alberta Innovates Technology Futures.....	1-780-632-8436
CANTERRA SEEDS	1-877-439-7333
Crop Development Center.....	1-306-966-5855
Delmar Commodities (Legend Seeds).....	1-204-331-3696
DLF Pickseed Canada Inc. (PICKSEED).....	1-204-633-0088
Dow AgroSciences (Dow Seeds).....	1-800-265-7403
DuPont Pioneer (Pioneer).....	1-800-265-9435
Durand Seeds	1-204-248-2268
Elite (BrettYoung)	1-800-665-5015
Fisher Seeds Ltd.....	1-204-622-8800
Fraser Seeds Ltd. (Greenfield Genetics).....	1-604-857-3355
Hansen Seeds.....	1-306-465-2525
Hemp Genetics International Inc.....	1-204-821-0522
Hemp Oil Canada Inc.....	1-800-289-4367
Horizon Seeds Canada Inc.	1-855-983-7255
Maizex Seeds Inc.	1-877-682-1720
Mancan Genetics Ltd.	1-204-822-4396
Monsanto Canada Inc. (DEKALB).....	1-800-667-4944
Nuseed.....	1-877-841-7447
Ontario Hemp Alliance	1-613-281-2734
Parkland Industrial Hemp Growers Coop Ltd.....	1-204-629-4367
PhytoGene Resources Inc.....	1-613-240-4120
PRIDE Seeds	1-800-265-5280
Quarry Seed (Thunder Seed Inc.)	1-888-274-9243
SeCan	1-800-665-7333
Springfield Mills Inc.	1-204-362-1524
Terramax	1-306-699-7368

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Growers List



BUCKWHEAT

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

HORIZON

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

KOMA

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

MANCAN

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

CANARYSEED

CDC CALVI☼

Domain; Manness, Ronald & Patricia & Graeme204-736-2622 S F
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) 204-877-3813 S R
St. Joseph; Parent, Renald & Paul204-737-2625 R
Wawanesa; Ellis, Warren P. & Simon.....204-824-2290 R

INDUSTRIAL HEMP

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

CANDA

Dauphin; Parkland Industrial Hemp Growers204-629-4367 R C

CANMA

Ste. Agathe; Hemp Oil Canada Inc204-882-2480 C

CRS-1

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

DELORES

Dauphin; Parkland Industrial Hemp Growers204-629-4367 C

FINOLA

Ste. Agathe; Hemp Oil Canada Inc204-882-2480 C

GRANDI☼

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

GRANMA

Ste. Agathe; Hemp Oil Canada Inc204-882-2480 C

HEMPNUT

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

JOEY

Dauphin; Parkland Industrial Hemp Growers204-629-4367 F C

USO 14

Carberry; Robinson, Chris T.204-834-2620 C

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Variety Description Key

Except for long term average yield and quality data, variety description information was obtained from the Co-operative Registration Trials.

Disease Resistance Ratings: (HS) highly susceptible; (S) susceptible; (MS) moderately susceptible; (MR) moderately resistant; (R) resistant; (n/a) not available.

☞ 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.

The Canadian Seed Trade Association (CSTA) has launched the new Crop Varieties Registered in Canada and Plant Breeders' Rights Status database to assist seed sector stakeholders to easily identify PBR protection on crop varieties registered for sale in Canada: <http://cdnseed.org/library/crop-kinds-database/>. Additional information is also available at www.PBRfacts.ca.

Key to 2015 Yield or Quality Tables

Numbers in brackets indicate site years. Site years tested is the number of locations added up over the years that variety has been tested in trials against the check. The more site years the more dependable the data. Use data with caution when there are fewer than 3 site years for annual crops and 9 site years for perennial crops.

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

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

Forage Variety Registration Changes

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

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

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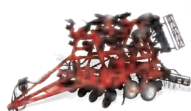
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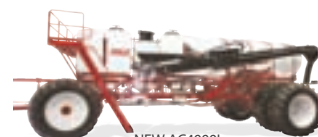
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FORAGE ADAPTATION & COMPARISON GUIDE

LEGUMES

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

TAME GRASSES

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

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

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

NATIVE GRASSES

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

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

Comments:

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

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

All hybrids were evaluated at a plant population of 28,000 plants per acre. Plots are planted at a higher rate and thinned to achieve the target population. Yields are corrected to 65% moisture content.

The Manitoba Corn Committee publishes the annual results along with more detailed lab analysis in their brochure. The brochure is available by calling the Manitoba Corn Growers Association office at 204-745-6661.

				Elm Creek						
CHU ¹	Hybrid	Genetic Traits ²	Distributor	Yield (Mt/ac)	Moisture ³ (%)	TDN (%)	ADF (%)	NDF (%)	Milk/Acre ⁴ (lbs/ac)	Beef/Acre ⁵ (lbs/ac)
2125	A4177G3 RIB	VT3P	PRIDE Seeds	16.8	68.8	72.3	24.7	45.5	15,060	1,561
2150	DKC 26-28 RIB	GENV2P	Monsanto	18.8	69.8	70.9	26.0	47.2	15,700	1,705
2150	YUKON R	RR2	Elite Seeds	21.1	67.7	69.6	27.2	48.7	16,161	1,883
2200	DKC 27-55 RIB	GENV2P	Monsanto	17.5	70.7	71.4	25.5	45.9	13,266	1,608
2200	LR 9676VT2PRIB	VT2PRIB	Delmar Commodities	15.8	71.2	67.4	29.2	52.7	12,853	1,370
2200	LR 9376RR	RR2	Delmar Commodities	16.4	72.0	71.0	25.9	46.8	12,837	1,491
2200	TH4578	VT2P	Quarry Seed	17.0	68.8	65.9	30.6	52.7	13,716	1,436
2200	TH7677	VT2P	Quarry Seed	18.1	71.4	68.5	28.2	50.4	13,949	1,593
2200	FUSION RR	RR2	Elite Seeds	18.2	70.2	69.9	27.0	47.7	16,034	1,629
2200	E47A17 R	RR2	Elite Seeds	18.9	69.2	73.0	24.0	44.4	16,095	1,771
2225	TH7578	VT2P	Quarry Seed	15.9	71.6	69.1	27.7	49.2	11,590	1,411
2250	LR 9579RR	RR2	Delmar Commodities	15.9	72.6	69.4	27.4	48.8	10,481	1,415
2250	TH4126	RR	Quarry Seed	17.1	71.4	67.2	29.4	50.6	14,586	1,472
2275	3085	RR	Dow Seeds	17.1	72.7	66.9	29.7	50.8	13,036	1,464
2275	P7958AM	YGCB/HX1/LL/RR2	DuPont Pioneer	17.6	69.5	67.1	29.5	51.1	15,090	1,518
2275	PS 2348VT2P RIB	GENVT2P RIB	DLF Pickseed Canada Inc.	16.7	71.5	67.5	29.1	51.2	13,601	1,449
2275	BAXXOS RR	RR	Dow Seeds	18.4	69.4	68.6	28.1	49.4	14,766	1,617
2290	HZ 675	Agrisure GT/CB/LL	Horizon Seeds Canada Inc.	17.0	74.3	69.7	27.1	47.1	12,292	1,520
2300	TH2146	RR	Quarry Seed	18.9	69.9	65.2	31.3	54.4	15,649	1,577
2300	MZ 1633DBR	GENVT2P	Maize Seeds Inc.	18.3	71.3	70.3	26.5	46.8	14,787	1,650
2300	LF 730CBR	GENVT3P	Maize Seeds Inc.	21.2	70.9	69.3	27.5	48.7	17,374	1,885
2325	DKC 30-07 RIB	GENV2P	Monsanto	17.7	71.2	69.1	27.6	49.1	13,863	1,569
2325	A4705HMRR	RR2	PRIDE Seeds	18.1	69.7	66.4	30.2	51.8	15,453	1,538
2325	E49A12 R	GENVT2P RIB	Elite Seeds	16.9	72.7	70.5	26.3	47.3	12,113	1,525
2350	DS80A27	SSX	Dow Seeds	17.3	71.9	66.6	30.0	50.7	13,492	1,482
2350	A4939G2 RIB	VT2P	PRIDE Seeds	17.9	71.4	70.0	26.8	48.1	13,847	1,610
2350	HL R219	RR	Dow Seeds	17.1	70.2	64.8	31.7	54.3	13,773	1,421
2350	TH 7681	VT2P	Quarry Seed	19.1	72.7	69.5	27.3	48.4	14,980	1,699
2375	HZ 730GT	Agrisure GT	Horizon Seeds Canada Inc.	17.3	73.9	66.6	30.0	52.6	13,223	1,475
2375	A5095G2 RIB	VT2P	PRIDE Seeds	19.5	70.1	67.4	29.3	51.2	15,509	1,687
2400	AS1047RR EDF	RR2	PRIDE Seeds	20.7	72.3	68.8	28.0	49.3	15,836	1,830
2400	E50P52 R	GENVT2P RIB	Elite Seeds	20.3	70.3	66.8	29.8	51.1	16,268	1,738
2400	PS 2520VT2P RIB	GENVT2P RIB	DLF Pickseed Canada Inc.	19.3	70.3	66.1	30.5	51.9	16,170	1,636
2425	TMF8106	SSX	Dow Seeds	17.0	75.6	67.7	29.0	51.1	11,986	1,472
2450	HX 13103Y	Agrisure Viptera 3220 E-Z Refuge	Horizon Seeds Canada Inc.	19.2	70.4	67.4	29.2	50.4	13,711	1,659
2500	A5433G3 RIB	VT3P	PRIDE Seeds	17.6	72.4	67.3	29.3	50.1	13,240	1,520
2500	P8387AM	YGCB/HX1/LL/RR2	DuPont Pioneer	16.5	70.4	70.1	26.7	47.1	15,041	1,480
2500	E53B22 R	GENVT2P RIB	Elite Seeds	17.1	73.8	64.8	31.7	53.2	13,485	1,421
2500	VENZA R	RR2	Elite Seeds	18.5	75.2	63.6	32.8	55.6	13,300	1,513
2500	E57L62 R	GENVT2P RIB	Elite Seeds	19.0	74.1	63.5	32.9	56.2	13,274	1,546
2500	4164	GT/CB/LL/RW/XT	Dow Seeds	17.3	72.4	67.9	28.8	50.0	13,107	1,508
2550	HZ 760GT	Agrisure GT	Horizon Seeds Canada Inc.	16.9	71.6	69.0	27.8	50.9	14,077	1,497
2550	P8651HR	HX1/LL/RR2	DuPont Pioneer	18.6	72.7	67.5	29.1	51.6	14,652	1,612
2550	TMF86H77RA	SSX	Dow Seeds	19.5	73.2	60.0	36.2	59.2	15,347	1,498
2575	P8581R	RR2	DuPont Pioneer	17.6	70.6	70.8	26.1	46.9	13,917	1,596
2600	F2F298	HX1/LL/RR	Dow Seeds	15.6	75.5	69.3	27.4	50.5	9,993	1,388
2650	HL SR35	RR	Dow Seeds	20.5	73.2	63.4	33.0	55.8	14,813	1,670
2700	TH4188RR	RR	Quarry Seed	17.0	73.3	68.0	28.7	50.1	12,229	1,481
2700	F2F346	HXT/LL/RR	Dow Seeds	14.4	75.9	69.1	27.6	50.4	8,777	1,278
2750	TMF91Q25	SSX	Dow Seeds	18.9	72.8	64.2	32.2	55.6	11,776	1,559
2750	F2F378RA	SSX	Dow Seeds	17.6	72.7	67.6	29.1	52.4	12,901	1,528
2800	HLS 4302	HXT/LL/RR	Dow Seeds	21.6	72.7	66.7	30.0	52.0	14,548	1,850
Site Average				17.9	71.6					
CV				11.6	2.6					
Sign Diff				Yes	Yes					
LSD				3.4	3.1					
Planting Date				12-May						
Harvest Date				9-Sep						

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

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

3 Moisture content at harvest.

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

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

ANNUAL FORAGE — Variety Descriptions

Variety descriptions for wheat, barley and oat crop types can be found in the Cereal Crops section of SEED Manitoba 2016 pages 17.

Field pea variety information can be found on page 84.

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

Variety	Seed Source			Days to Maturity (Banjo)	Resistance Level				
					Lodging	Stem Rust	Leaf Rust	Bunt	Fusarium
TRITICALE									
AC Alta	12	—	—	-1	G	R	R	R	—
AC Certa	12	—	—	-3	G	R	R	R	I
Banjo	4	—	—	100 days	G	R	R	R	—
Pronghorn	12	—	—	-4	G	R	R	R	I
SANDRO	4	—	—	-3	G	R	R	R	—
	Seed Source	Seed Color	Seed Size (seeds/lb)	Days to Head	Days to Maturity				
FOXTAIL MILLET									
Yellow (Golden German)	13	Yellow	160-170,000	75-90	95-110				
Red (Siberian)	13	Red	169-170,000	55-70	70-90				
PROSO MILLET									
Green (Crown)	13	Gray/Green	70-90,000	50-60	85-90				
Red (Cerise)	13	Red	70-90,000	50-60	85				
Yellow (AC Prairie Gold)	17	Yellow	70-90,000	50-60	75				

ANNUAL FORAGE — Yield Comparisons

Variety	Manitoba Mean ¹		Yield at Test Sites % of check ¹						Forage Quality ²				
			Arborg	Boissevain/ Melita	Hamiota/ Minnedosa	Rosebank	Roblin	RFV (%)	CP (%)	TDN (%)	Beef ³ (lbs/ac)	Site Years	
	% of Virden	% of Ranger											
BARLEY													
AC Ranger (6F)	105 (12)	100 (24)	100 (6)	100 (6)	— —	100 (6)	100 (6)	123	9.8	65	1011	(6)	
CDC Austenson(2)☼		100 (4)	102 (1)	101 (1)	— —	88 (1)	102 (1)	123	9.6	63	1099	(1)	
CDC Cowboy (2F)☼	—	103 (24)	101 (6)	97 (6)	— —	103 (6)	110 (6)	112	9.6	63	1018	(6)	
CDC Mindon(2)☼		97 (8)	95 (2)	93 (2)	— —	94 (2)	107 (2)	133	9.0	64	1043	(2)	
Champion(2)☼	—	107 (12)	107 (3)	97 (3)	— —	108 (3)	116 (3)	136	12.1	65	1185	(3)	
Chigwell(6)☼		96 (4)	87 (1)	97 (1)	— —	98 (1)	103 (1)	115	8.8	62	1038	(1)	
Desperado(6F)☼		105 (4)	104 (1)	104 (1)	— —	104 (1)	111 (1)	111	7.7	61	1099	(1)	
Lacey (6W)☼	—	92 (12)	89 (3)	101 (3)	— —	93 (3)	86 (3)	111	10.4	66	878	(3)	
Virden (6F)	100 (28)	99 (13)	100 (7)	100 (7)	100 (4)	100 (3)	100 (3)	103	10.4	63	910	(3)	
Variety	Manitoba Mean ¹		Yield at Test Sites % of check ¹						Forage Quality ²				
			Arborg	Boissevain/ Melita	Hamiota/ Minnedosa	Rosebank	Roblin	RFV (%)	CP (%)	TDN (%)	Beef ³ (lbs/ac)	Site Years	
	% of Triple Crown												
OATS													
Furlong☼	97 (11)		103 (3)	102 (3)	— —	75 (2)	101 (3)	111	11.0	64	997	(3)	
Jordan☼	102 (12)		94 (3)	102 (3)	—	94 (3)	97 (3)	98	9.3	61	1061	(3)	
Pinnacle☼	95 (26)		99 (5)	99 (8)	100 (4)	90 (3)	94 (4)	100	8.8	60	1049	(3)	
Triactor☼	99 (8)		105 (2)	101 (2)	—	92 (2)	98 (2)	107	9.2	61	1177	(2)	
Triple Crown	100 (34)		100 (7)	100 (10)	100 (4)	100 (5)	100 (6)	113	10.4	61	1058	(6)	

Variety	Manitoba Mean ¹ % of Banjo		Yield at Test Sites % of check ¹						Forage Quality ²							
			Arborg	Boissevain/ Melita	Hamiota/ Minnedosa	Rosebank	Roblin	RFV (%)	CP (%)	TDN (%)	Beef ³ (lbs/ac)	Site Years				
TRITICALE																
AC Alta	104	(11)	82	(1)	117	(4)	94	(4)	—	—	—	—	—			
AC Certa	99	(11)	93	(1)	104	(4)	93	(4)	—	—	—	—	—			
Banjo	100	(19)	100	(3)	100	(6)	100	(4)	—	—	105	10.4	61	1052	(2)	
Pronghorn	108	(3)	108	(2)	—	—	—	—	—	—	—	—	—	—		
SANDRO	101	(11)	81	(1)	108	(4)	98	(4)	—	—	—	—	—	—		
TR-196	88	(4)	92	(1)	72	(1)	—	97	(1)	89	(1)	106	9.0	61	856	(2)
Variety	Manitoba Mean ¹ % of 4010		Yield at Test Sites % of check ¹						Forage Quality ²							
			Arborg	Boissevain/ Melita	Hamiota/ Minnedosa	Rosebank	Roblin	RFV (%)	CP (%)	TDN (%)	Beef ³ (lbs/ac)	Site Years				
PEAS																
40-10 (Check)	100	(22)	100	(5)	—	—	—	—	100	(4)	122	16	57	980	(4)	
CDC Leroy	105	(22)	96	(5)	—	—	—	—	95	(4)	154	16	63	1136	(4)	
CDC Minuet	95	(22)	97	(5)	—	—	—	—	100	(4)	155	16	64	1050	(4)	
CDC Sonata	104	(22)	98	(5)	—	—	—	—	96	(4)	141	17	60	1077	(4)	
CDC Tucker	105	(22)	94	(5)	—	—	—	—	99	(4)	142	16	62	1118	(4)	
Trapper	90	(22)	83	(5)	—	—	—	—	87	(4)	129	17	58	898	(4)	
Variety	Manitoba Mean ¹ (% of check)		Yield at Test Sites % of check ¹						Forage Quality ²							
			Arborg	Boissevain/ Melita	Hamiota/ Minnedosa	Rosebank	Roblin	RFV (%)	CP (%)	TDN (%)	Beef ³ (lbs/ac)	Site Years				
FOXTAIL MILLET																
Yellow (Golden German)	100	(9)	100	(1)	100	(3)	—	100	(2)	100	(3)	85	9.4	59	828	(3)
Red (Siberian)	93	(9)	78	(1)	90	(3)	—	99	(2)	105	(3)	89	9.7	59	791	(3)
Check - Golden German average DM yield 5602 lb/ac (6273 kg/ha) over 9 site years.																
PROSO MILLET																
Green (Crown)	100	(10)	100	(1)	100	(3)	—	100	(3)	100	(3)	99	10.2	61	823	(3)
Red (Cerise)	101	(10)	91	(1)	109	(3)	—	93	(3)	112	(3)	98	10.4	61	862	(3)
Yellow (AC Prairie Gold)	102	(10)	95	(1)	100	(3)	—	91	(3)	121	(3)	99	10.5	61	836	(3)
Check - Crown average DM yield 4639 lb/ac (5195 kg/ha) over 10 site years.																
CHECK VARIETIES																
	Virden	8788	lb/ac													
	AC Ranger	6292	lb/ac													
	Triple Crown	9927	lb/ac													
	Banjo	10148	lb/ac													
	40-10	9192	lb/ac													

1 Data collected over 6 years (2003-2008) on six sites: Arborg, Roblin (MB), Sutherland, Floral (SK), Lacombe, Edmonton (AB).

2 Forage quality: average values from a Manitoba Forage Council test in 2005-2010 on 4 sites (Arborg, Melita, Roblin, Rosebank).

3 Relative Feed Value (RFV), Crude Protein (CP), Total Digestive Nutrients (TDN). Beef, is an estimation of pounds of beef produced under optimum feeding conditions using a rule of thumb that one pound of beef requires an average of 6 lbs of TDN.

ALFALFA — Variety Descriptions

Variety	Root Type ¹	Use ²	Fall ³	Winter	Maturity ⁵	Resistance Level: ⁶			Notes ⁷	Seed Source
			Dormancy	Hardiness ⁴		BW	VW	PRR		
53Q60	Taproot	H,P	3	3.0	Early	HR	R	HR		10
54Q25	Taproot	H,P	4	—	—	HR	HR	HR		10
54V46	Taproot	H	4	3.0	—	R	R	R		10
54V54	Taproot	H	4	2.5	—	HR	HR	HR		10
Able	Taproot	H,P	2.5	2.9	Early	HR	HR	HR		9
AC Blue J	Taproot	H	—	—	Medium	HR	R	R		14
AC Grazeland Br	Taproot	P,H	2	—	Medium	R	S	—	Bloat reduced	9
AC Longview	Taproot	H	3	2.9	Medium	HR	R	—		9
AC Manitou	—	—	—	—	—	—	—	—	—	—
AC Totem	—	—	—	—	—	—	—	—	—	—
Algonquin	Taproot	H,P	2	2.1	Medium	HR	S	S		13
AmeriStand 201+Z	Taproot	H	2	1.7	—	HR	HR	HR	Sunken crown	17
Apica	Taproot	H	3	2.3	Early	R	S	S		15
AT05	—	—	—	—	—	—	—	—	—	—
Beaver	Taproot	H,P	2	2.1	Medium	R	S	S		13
Equinox	Taproot	H	3.5	—	Medium	HR	HR	HR		17
Forerunner	Taproot	H	2	—	Early	HR	HR	HR	Multifoliate	5
Gala	Taproot	H	2	2.7	Early	HR	HR	HR	Multifoliate	17
Halo	Taproot	H	4			R	R	R	(HR)-Anthracnose, Fusarium; (R)-Aphanomyces	17
Heinrichs	Creeping	P,H	1	2.1	Medium-Late	R	—	—		17
LRC07 4151L	—	—	—	—	—	—	—	—	—	—
Matrix	Creeping	P,H	2	—	Medium	HR	MR	R	Resistant pea aphid	6
Multi5301	Taproot	H	3	2.9	Early-Medium	HR	R	R	Multifoliate	6, 8
Pickseed 2065MF	Taproot	H	3.7	2.0	—	HR	R	HR	Multifoliate	9
Pickseed 3006	Creeping	P,H	2	—	—	HR	MR	MR		9
Rambler	Creeping	P,H	1	—	Late	MR	S	S		13
Rangelander	Creeping	P,H	1	2.0	Late	S	S	S		14
Runner	Creeping	P,H	2	2.6	Medium-Late	HR	S	—		7
SC A101	—	—	—	—	—	—	—	—	—	—
Spredor 4	Creeping	P,H	1.5	2.0	Medium	HR	HR	HR		17
Spyder	Creeping	P,H	1	1.0	Medium-Late	HR	R	R		2
Starbuck	Taproot	H	3.7	—	—	HR	R	HR	Multifoliate	9
Stealth SF	Taproot	H	4	1.9	Early	HR	R	HR		7
Survivor	Taproot	H	3	—	Medium	HR	R	HR	Sunken Crown	2
Tophand	Taproot	H	4	—	Medium	HR	HR	HR	Multifoliate	7
Trident II	Taproot	H	3	—	Early					3
Ultra	Taproot	H	3	—	Medium			R		5

Check - Beaver Average Dry Matter Yield 8990 lb/ac (10,058 kg/ha) over 150 site years.

- 1 Creeping rooted alfalfa types can be more tolerant to grazing than tap rooted types, and may offer better winter hardiness.
- 2 Use: (H)Hay - developed for maximum yield; may have lower persistence under grazing;(P) Pasture - low growing, higher grazing tolerance. First letter is preferred use.
- 3 FD: indicates the varieties characteristic to go dormant in fall. FD 9: will grow vigorously in fall; FD 2: will have little fall growth evident. Varieties with ratings of 1 - 4 are considered adequately winter hardy for Manitoba conditions while those of 5 or higher are not well adapted. Varieties with higher ratings should be managed carefully.
- 4 WH: ability of plants to survive winter and be productive next year. Ratings utilize North American approved Winter Hardiness Zone ratings. Varieties are compared against known check varieties (1=most hardy, 5=least hardy). Score of 1 indicates adaptation to all zones, score of 2 indicates adaptability in zones 2 and above, score of 3 indicates adaptability in 3 and above. (See Winter Hardiness Zone map in front of forage section). Scores are from the Manitoba Forage Council and 3rd party northern US tests using a minimum of 4 sites years of data over 2 winters. Grazing Tolerance: University of Manitoba study (1996 - 1999) determined winter hardiness was more influential than grazing tolerance to stand persistence under grazing.
- 5 Maturity rating indicates relative comparison of first flowering dates. Early varieties will bloom before late varieties, may provide more cuts/year, but are less hardy.
- 6 Disease Resistance:(HR) highly resistant; (R) resistance; (MR) moderately resistant; (S) no resistance. Bacterial Wilt (BW), Verticillium Wilt (VW) Phytophthora Root Rot (PRR).
- 7 Multifoliate varieties have genetic potential to produce 4 or more leaflets per leaf. This trait is influenced by environmental conditions.

ALFALFA — Yield Descriptions

Variety	Yield at test sites % of Beaver ⁸					
	Carberry ⁹		Neepawa-Rosebank ¹⁰		St.Adolphe-St. Pierre ¹¹	
53Q60	—	—	96	(3)	98	(3)
54Q25	—	—	84	(3)	104	(2)
54V46	—	—	102	(3)	99	(3)
54V54	—	—	103	(3)	100	(3)
Able	—	—	97	(2)	—	—
AC Blue J	98	(4)	101	(26)	100	(20)
AC Grazeland Br [®]	—	—	96	(3)	104	(3)
AC Longview	—	—	95	(3)	98	(6)
AC Manitou	108	(4)	—	—	—	—
AC Totem	103	(4)	—	—	—	—
Algonquin	—	—	97	(8)	98	(5)
AmeriStand 201+Z	—	—	100	(9)	95	(3)
Apica	—	—	114	(3)	—	—
AT05	101	(4)	—	—	—	—
Beaver	100	(4)	100	(48)	100	(35)
Equinox	—	—	104	(9)	99	(2)
Forerunner	—	—	108	(3)	—	—
Gala	—	—	—	—	109	(2)
Halo	—	—	107	(1)	—	—
Heinrichs	—	—	103	(8)	95	(5)
LRC07 4151L	102	(4)	—	—	—	—
Matrix	—	—	85	(3)	104	(3)
Multi5301	—	—	97	(5)	104	(3)
Pickseed 2065MF	—	—	92	(3)	110	(3)
Pickseed 3006	—	—	94	(3)	101	(3)
Rambler	94	(4)	96	(46)	92	(32)
Rangelander	90	(4)	96	(26)	94	(19)
Runner	—	—	100	(2)	—	—
SC A101	103	(4)	—	—	—	—
Spredor 4	—	—	104	(9)	96	(3)
Spyder	—	—	94	(3)	86	(2)
Starbuck	—	—	83	(2)	97	(3)
Stealth SF	—	—	121	(3)	100	(2)
Survivor	—	—	102	(3)	109	(3)
Tophand	—	—	105	(3)	102	(3)
Trident II	—	—	105	(8)	—	—
Ultra	—	—	108	(3)	—	—

Check - Beaver Average Dry Matter Yield 8980 lb/ac (10,058 kg/ha) over 150 site years.

⁸ These numbers represent the long term average yields as a percent of Beaver, on a per cut basis.

⁹ Carberry data is from 2011 to 2014

¹⁰ The Neepawa site was moved to Rosebank in 2004.

¹¹ The St.Pierre site was moved to Kelburn Farms (St.Adolphe) in 2009. The average mean yields in this column contain data from the following: Kelburn Farms (2009-2011); St.Pierre (1999-2008); Steinbach (1993-1998).

OTHER LEGUME — Variety Descriptions and Yield Comparisons *(All Varieties have Limited Data)*

Variety	Manitoba Mean % of Check	Use ¹	Winter Hardiness ²	Regrowth	Maturity	Notes ³	Seed Source
BIRDSFOOT TREFOIL							
AC Langille	95 (5)	P	G	Good	Early	non-bloating	17
Bull	97 (3)	P	G	Good		non-bloating	9
Empire	87 (4)	P	F	Medium		non-bloating	13
Leo	100 (19)	P	G		Early	non-bloating	13
OAC Bright	96 (3)	P	E	Medium		non-bloating	9
Upstart	102 (5)	P	G			non-bloating	9
Check - Leo average Dry Matter Yield 5610 lb/ac (6299 kg/ha) over 19 site years							
CICER MILKVETCH							
Oxley	100 (11)	P	E	—	—	non-bloating	9
Windsor	119 (6)	P	E	—	—	non-bloating	17
Check - Oxley average Dry Matter Yield 4544 lb/ac (5102 kg/ha) over 11 site years							
YELLOW SWEET CLOVER							
Norgold	100 (1)	H	—	—	Very Early	low coumarin	14
Yukon	102 (1)	H	—	—	Early		13
Check - Norgold average Dry Matter Yield 4254 lb/ac (4772 kg/ha) over 1 site year							
SAINFOIN							
Nova	100 (11)	H,P	—	—	—	non-bloating	14
Check - Nova average Dry Matter Yield 4336 lb/ac (4856 kg/ha) over 11 site years							
NATIVE LEGUME SPECIES							
Limited data for the following marketed Native Legume Species							
Purple Prairie Clover, White Prairie Clover, American Vetch							6, 17

1 Use Classes: H - Hay use P - Pasture.

2 Winter Hardiness: Ratings based on winter hardiness with check variety: (F) Fair; (G) Good; (E) Excellent.

3 Coumarin is a substance with anti-coagulant properties that is present in all sweet clover varieties. However, newer varieties have been developed with sub-acute levels.

GRASS SPECIES — Variety Descriptions and Yield Comparisons

Variety	Manitoba Mean % of Check	Use ¹	Maturity	Notes ²	Seed Source
ANNUAL RYEGRASS					
Italian					
Barmultra	101 (3)				17
Fabio	—	—			2
Maris Ledger	100 (8)				13
Max	—				9
Nabucco	99 (3)		Early/medium		7
Check - Maris Ledger average DM yield 7597 lb/ac (8536 kg/ha) over 8 site years.					
WESTERWOLD					
Aubade	100 (9)		Early		2
Elunaria	101 (3)				7
SW Botrus	—				9
Sabroso	105 (3)				17
Check - Aubade average DM yield 7913 lb/ac (8891 kg/ha) over 9 site years.					
CREeping FOXTAIL					
Garrison	100 (3)	P			9
Check - Garrison DM Average yield 2650 lb/ac (2973 kg/ha) over 3 site years					
CREeping RED FESCUE					
Boreal	100 (10)	P	Early		13
Check - Boreal average DM yield 4739 lb/ac (5321kg/ha) over 10 site years.					
CREsted WHEATGRASS					
AC Goliath	103 (18)	—		—	14
AC Parkland	—	P		—	9
Fairway	93 (17)	H, P		Diploid	13
Kirk	100 (35)	H, P		Tetraploid	14
Nordan	93 (17)	H, P		Tetraploid	13
Parkway	91 (17)	H, P		Diploid	9
Check - Kirk average DM Yield 5724 lb/ac (6416 kg/ha) over 35 site years.					

Variety	Manitoba Mean % of Check		Use ¹	Maturity	Notes ²	Seed Source
INTERMEDIATE WHEATGRASS						
Chief	100	(9)	H			14
Clarke	97	(5)	H			8
Check - Chief average DM Yield 5329 lb/ac (5978 kg/ha) over 9 site years.						
MEADOW BROME						
Fleet	100	(40)	P,H			14
Montana	99	(15)	P,H			17
MBA						9
Paddock	101	(10)	P,H	Early		14
S9522	93	(2)				
Check - Fleet average DM Yield 4807 lb/ac (5383 kg/ha) over 40 site years.						
MEADOW x SMOOTH BROMEGRASS						
AC Success	—	—	P,H		Hybrid	9
Bigfoot	—	—	P,H		Hybrid	2
Knowles☼	103	(12)	P,H		Hybrid	17
S9478B	92	(2)				
Check - Fleet average DM Yield 4498 lb/ac (5054 kg/ha) over 12 site years.						
MEADOW FESCUE						
Ensign	100	(25)	P,H			9
Epic	—		P,H	Early-Medium		2
Prevail						7
Sigmund	—		P,H	Early-Medium		9
Check - Ensign average DM Yield 4157 lb/ac (4667 kg/ha) over 25 site years.						
MEADOW FOXTAIL						
Mountain	127	(5)	P			13
Check - Dan average DM Yield 4696 lb/ac (5272 kg/ha) over 7 site years						
ORCHARDGRASS						
AC Nordic	97	(6)	P,H	Late	Winter Hardiness - VG	2
Baridana	—		P,H	Late		17
Early Arctic	99	(5)	P,H	Medium	Winter Hardiness - E	7
Kay	100	(53)	P,H	Late	Winter Hardiness - G	9
Killarney						17
Kootaney						9
Okay	—		H,P	Very Late	Winter Hardiness - VG	11
OG426	113	(2)				
Check - Kay average DM Yield 4487 lb/ac (5029 kg/ha) over 59 site years.						
PUBESCENT WHEATGRASS						
Greenleaf	—		P,H	—		17
QUACKGRASS x BLUEBUNCH WHEATGRASS						
NewHy	—		P,H	—		17
REED CANARYGRASS						
Bellevue	—		P, H	Early	Low alkaloid	9
Marathon	—		P,H	Medium	Low alkaloid	7, 17
Rival	100	(21)	P,H	—	Low alkaloid	2
Vantage	112	(21)	P,H	Early	Low alkaloid	10
Venture	108	(21)	P,H	Very Early	Low alkaloid	7
Check - Rival average DM Yield 4746 lb/ac (5324 kg/ha) over 21 site years.						
RUSSIAN WILD RYEGRASS						
Swift	100	(6)	P,H			14
Check - Swift average DM yield 3951lb/ac (4432 kg/ha) over 6 site years.						
SLENDER WHEATGRASS						
Revenue	100	(6)	P,H			9
Check - Revenue average DM yield 3928 lb/ac (4407 kg/ha) over 6 site years.						
SMOOTH BROMEGRASS						
AC Rocket☼	105	(15)	H			17
Bravo	98	(7)	H, P	Early		9
Carlton	100	(65)	H, P			13
Magna	99	(26)	H, P			14
Check - Carlton average DM Yield 5796 lb/ac (6491 kg/ha) over 65 site years.						
TALL FESCUE						
Courtenay	100	(28)	P,H	Late	Winter Hardiness - G	7
Kokanee	96	(9)	P,H		Winter Hardiness - G	2
Maximize	92	(7)	P,H	Late		9
Swag	85	(2)				
Check - Courtenay average DM Yield 5751 lb/ac (6441 kg/ha) over 28 site years.						

GRASS SPECIES (continued)

Variety	Manitoba Mean % of check	Use ¹	Maturity	Notes ²	Seed Source
TALL WHEATGRASS					
Orbit	100 (6)	P,H			14
Check - Orbit Average DM yield 4216 lb/ac (4730 kg/ha) over 6 site years.					
TIMOTHY					
Basho	99 (18)	H	Medium		14
Champ	98 (25)	H,P	Early		13
Climax	100 (88)	H,P	Medium-Late		13
Drummond	96 (14)	H	Very Late		9
Farol	74 (10)	H	Late		9, 17
Grindstad	99 (9)	H,P	Early		17
Richmond	103 (23)	H,P	Very Early		9
Tuukka	99 (11)	H	Late		16
Limited data for the following marketed varieties.					
AC Pratt	92 (2)				
Alexander	85 (6)	H	Late		16
Bottnia II	104 (5)	H,P	Medium		17
Colt	100 (3)	H	Medium		17
Express	112 (6)	H,P	Medium-Late		7
Promesse	100 (6)	H,P	Medium		2
ST1	90 (2)				
Check - Climax average DM Yield 4742 lb/ac (5315 kg/ha) over 92 site years.					
NATIVE GRASS SPECIES					
Limited data for the following marketed Warm Season Native Grass Species					
Little Bluestem, Big Bluestem, Sand Bluestem, Indiangrass, Prairie Sandreed					1,2,6,7
Sideoats, Grama, Blue Gramma, Switchgrass and Prairie Cordgrass, Western Wheatgrass					9, 11,, 16, 1
Limited data for the following marketed Cool Season Native Grass Species					
Canada Wildrye, Green Needlegrass, Western Wheatgrass					1,2,6,7
Northern Wheatgrass, Streambank Wheatgrass and, Needle and Thread grass.					9, 11,, 16, 17

1 Use Classes: H - Hay use P - Pasture use. Pasture type varieties tend to display better regrowth.

2 Notes: Reed Canarygrass - Alkaloids adversely affect the nervous system and the rumen digestion.

3 Winter Hardiness: Based on winter hardiness with check variety: (F) Fair; (G) Good; (VG) Very Good; (E) Excellent.

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Growers List



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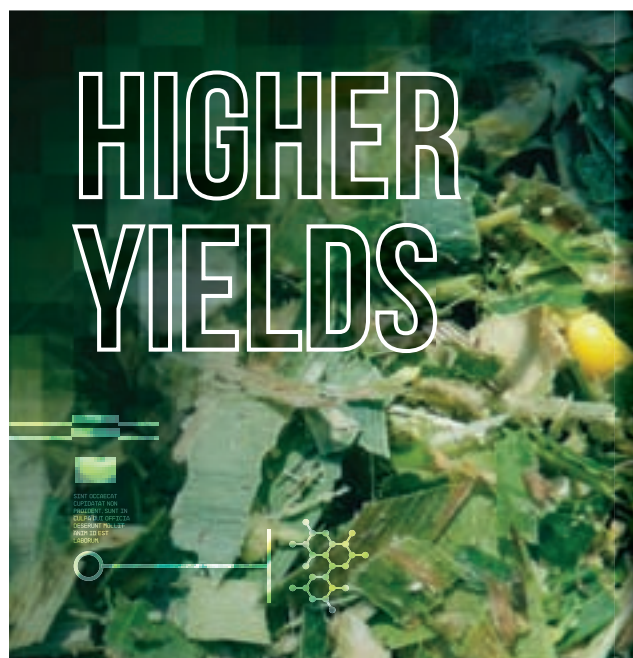
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CONCEPT			
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CORNERSTONE			
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DAKOTA			
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SHOCKWAVE-BR

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STARBUCK

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TOPHAND

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VISION

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ALSIKE CLOVER

AURORA

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DAWN

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BIRDSFOOT TREFOIL

BRUCE

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BULL

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EXACT

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BIRDSFOOT TREFOIL

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PARDEE

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BROMEGRASS

AAC ROYAL

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AC KNOWLES☼

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AC SUCCESS☼

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FLEET			
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MBA			
Winnipeg; Pickseed Canada Inc.....	204-633-0088		C
MONTANA			
Winnipeg; Pickseed Canada Inc.....	204-633-0088		C
Winnipeg; Pickseed Canada Inc.....	204-633-0088		C

CICER MILK VETCH

AC OXLEY II			
Winnipeg; Pickseed Canada Inc.....	204-633-0088		C

MEADOW FESCUE

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

ORCHARDGRASS

EARLY ARCTIC			
Neepawa; Northstar Seed Ltd.....	204-476-5241		C
KILLARNEY			
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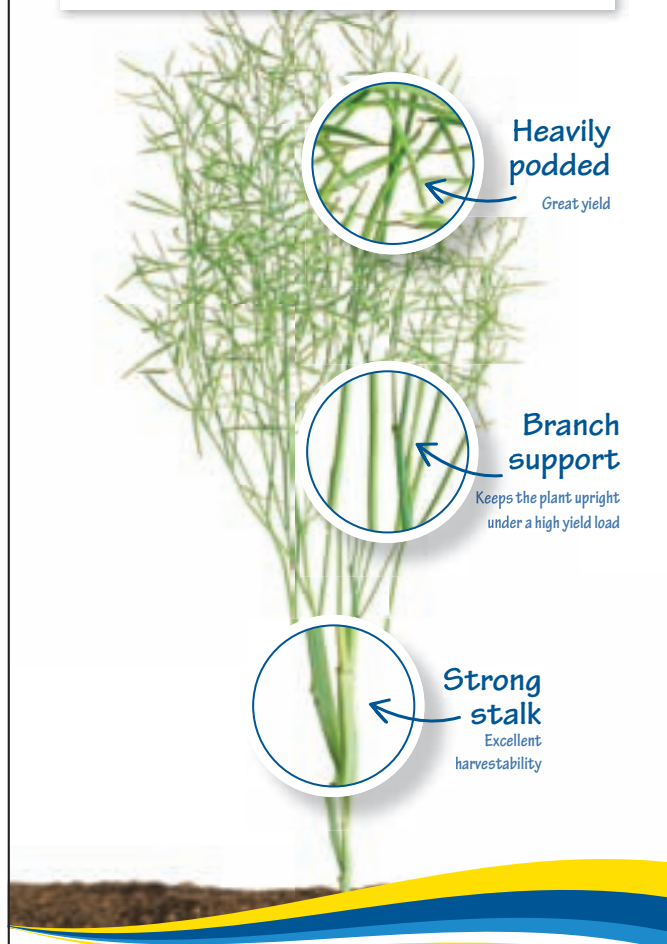
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E-MAIL.....aes.enns@gmail.com

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E-MAIL.....jeffaskinaf@gmail.com

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Alexander; Thomson Forage and Grass Seeds; RR #1; R0K0A0204-328-7149

Altona; GJ Chemical Co. Ltd.; Box 1648; R0G 0B0204-324-8090

Altona; LD Seed Company; Box 1977; R0G 0B0204-304-0048

Altona; Sawatzky Seed Farms Inc.; Box 1827; R0G 0B0204-324-4018

Altona; Wesmar Farms Ltd.; Box 863; R0G 0B0204-324-4097

Arborg; Burak Seeds; Box 1126; R0C 0A0204-364-2480

Arborg; Crop Production Services (Canada) Inc.; Box 219; R0C 0A0204-376-5990

Arborg; Floyd Seeds; Box 606; R0C 0A0204-364-2308

Arborg; Foster Ag Services; Box 691; R0C 0A0204-364-2358

Arborg; Paterson Grain; Box 308; R0C 0A0204-376-5353

Arborg; S.S. Johnson Seeds Ltd.; Box 3000; R0C 0A0204-376-5228

Arborg; Timchishen Seeds; Box 776; R0C 0A0204-376-5116

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Beausejour; Bangert Farms Ltd.; Box 5228, R.R. #1; R0E 0C0	204-268-1268
Beausejour; Crop Production Services (Canada) Inc.;	
Box 1789; R0E 0C0.....	204-268-3497
Beausejour; Delmar Commodities Ltd.; Box 1236; R0E 0C0.....	204-268-9797
Beausejour; Parrish & Heimbecker Ltd.; SE 12-13-7 East of 1st Street,	
Box 430; R0E 0C0	204-770-1279
Benito; Crop Production Services (Canada) Inc.;	
Box 265, Hwy. 83 North; R0L 0C0	204-539-2255
Binscarth; Inland Seed Corp.; Box 218; R0J 0G0	204-683-2316
Binscarth; Paterson Grain; Box 6; R0J 0G0	204-532-2461
Boissevain; Armstrong Seeds; Box 1076; R0K 0E0	204-534-2566
Boissevain; Boissevain Select Seeds Ltd.; Box 957; R0K 0E0	204-534-6846
Boissevain; Double Diamond Farm Supply ; Highway #10 South,	
Box 776; R0K 0E0	204-534-2427
Boissevain; Martens, Ben and John; Box 374; R0K 0E0	204-534-6952
Brandon; A.E. McKenzie Co. ULC; 1000 Parker Blvd; R7A 6E1	204-571-7525
Brandon; Heritage Co-op 1997 Ltd.; Site 50,	
Box 56, RR #5; R7A 5Y5.....	204-763-8998
Brandon; Kowall Seed Cleaning; RR#1 Box 49; R7A 5Y1	204-728-2605
Brandon; Lindenberg Seed Ltd.; 803 Princess Ave.; R7A 0P5	204-727-0575
Brandon; Richardson Pioneer ; Site 30, Box 53, R.R. #2; R7A 5Y2	204-727-5353
Brandon; Wheat City Seeds Ltd.; Box 74 Site 30 RR#2; R7A 5Y2	204-727-3337
Brunkild; MK Agro Ltd.; Box 80; R0G 0E0	204-736-4769
Brunkild; Richardson Pioneer - Mollard; Box 128; R0G 0E0	204-736-5000
Carberry; Chris Robinson; Box 789; R0K 0H0	204-834-2620
Carberry; Crop Production Services (Canada) Inc.; Box 9; R0K 0H0	204-834-2180
Carman; AGrow 360 Ltd.; Box 585; R0G 0J0	204-745-1938
Carman; Bud McKnight Seeds Ltd.; Box 309; R0G 0J0.....	204-745-2310
Carman; Monsanto Canada Inc.; P.O. Box 2010; R0G 0J0.....	204-745-3283
Carman; RJP Seed Ltd.; P.O. Box 2239; R0G 0J0	204-745-0088
Carman; Ronlin Farms Ltd.; Box 1164; R0G 0J0	204-745-3415
Carman; Ulrich & Monika Menold Ltd.; Box 238; R0G 0J0	204-745-2822
Crandall; Rolling View Farms Inc.; Box 9; R0M 0H0	204-562-3632
Cromer; Bartel Seeds; Box 53; R0M 0J0	204-662-4484
Crystal City; Buchanan Seeds; Box 363; R0K 0N0.....	204-825-7151
Crystal City; Mark and Allan Fallis; Box 162; R0K 0N0.....	204-873-2305
Crystal City; Smith Seeds; Box 89; R0K 0N0	204-825-7586
Darlingford; Crop Production Services (Canada) Inc.;	
Box 102; R0G 0L0	204-246-2500
Darlingford; Dudgeon's Upper Lye Seeds; Box 10; R0G 0L0.....	204-246-2357
Darlingford; Wilson Seeds Ltd.; R.R. #1, P.O. Box 89; R0G 0L0	204-246-2119
Dauphin; Bonnie Banks Seed Farm; R.R. #4; R7N 2T7.....	204-638-5369
Dauphin; Cargill Ltd.; Box 655; R7N 3B3	204-638-4033
Dauphin; Dauphin Consumers Co-op; 601 Whitmore Ave.; R7N 0Y6.....	204-622-6080
Dauphin; Dauphin Plains Seed Ltd.; Box 448; R7N 2V3.....	204-638-7800
Dauphin; Fisher Seeds Ltd.; R.R. # 5 - Compartment 111; R7N 2T8	204-622-8800
Dauphin; Richardson Pioneer ; Box 554; R7N 2V4.....	204-622-6030
Dauphin; Ritchie Seeds; R.R. #4, Comp 6; R7N 2T7.....	204-638-7543
Decker; Murray Farms Inc.; Box 4; R0M 0K0	204-764-2733
Deloraine; Bolduc & Bell Farms; Box 482; R0M 0M0.....	204-747-2913
Deloraine; Crop Production Services (Canada) Inc.;	
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Domain; Manness Seeds; Box 58; R0G 0M0	204-736-2622
Domain; Pitura Seed Service; Box 2; R0G 0M0	204-736-2849
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Dufrost; Catellier Seed Service Inc.; Box 25; R0A 0K0.....	204-347-5588
Dufrost; Crop Production Services (Canada) Inc.; Box 299; R0A 0K0	204-347-5988
Dunrea; Crop Production Services (Canada) Inc.; Box 308; R0K 0S0	204-776-2051
Elie; Dyck Forages and Grasses Ltd.; Box 275; R0H 0H0	204-353-2885
Elie; Lachance Seeds; Box 431; R0H 0H0	204-353-2694
Elm Creek; James Runne; Box 187; R0G 0N0	204-436-2352
Elphinstone; Gerrard Family Seeds; Box 87; R0J 0N0.....	204-759-2213
Emerson; Emerson Milling Inc.; Box 424; R0A 0L0.....	204-373-2328
Fannystelle; Nadeau Seeds Inc.; Box 40; R0G 0P0.....	204-436-2469
Fisher Branch; Crop Production Services (Canada) Inc.;	
Box 72; R0C 0Z0	204-372-6600
Fisher Branch; George & Harvey Danelak; Box 308; R0C 0Z0	204-372-6236
Fisher Branch; Interlake Agri Ltd.; Box 190; R0C 0Z0	204-372-6720
Fisher Branch; Interlake Forage Seeds Ltd.; Box 328; R0C 0Z0	204-372-6920
Fork River; Crop Production Services (Canada) Inc.;	
P.O. Box 145; R0L 0V0	204-657-2366
Forrest; Crop Production Services (Canada) Inc.;	
Box 43; R0K 0W0.....	204-727-6669
Foxwarren; George Graham Seed Farms; Box 193; R0J 0R0	204-847-2000
Foxwarren; West-Fox Farms; Box 97; R0J 0R0.....	204-683-2247
Franklin; Crop Production Services (Canada) Inc.; Box 25; R0J 0S0	204-476-2668
Gilbert Plains; Crop Production Services (Canada) Inc.;	
Hwy #5 and Turner Road, P.O. Box 667; R0L 0X0	204-548-2281
Gilbert Plains; Gilbert Plains Consumers Co-op;	
Box 41, 19 Gordon Ave.; R0L 0X0	204-548-2099

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Gladstone; Milne Farms Ltd.; Box 258; R0J 0T0.....	204-385-2486
Gladstone; Neepawa-Gladstone Coop; Box 536; R0J 0T0	204-385-2906
Gladstone; Parrish & Heimbecker Ltd. ; Box 750; R0J 0T0.....	204-385-2139
Glenboro; Crop Production Services (Canada) Inc.;	
Box 640; R0K 0X0	204-827-2842
Glenboro; Jefferies Seeds; Box 582; R0K 0X0	204-827-2102
Glenlea; Bartmanovich Bros.; Box 6; R0G 0S0.....	204-736-4638
Grandview; Triple "S" Seeds Ltd.; R.R. #4; R0L 0Y0	204-546-2590
Gretna; Crop Production Services (Canada) Inc.; Box 429; R0G 0V0	204-327-5343
Grosse Isle; Crop Production Services (Canada) Inc.;	
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Grosse Isle; Rutherford Farms Ltd.; Box 100; R0C 1G0	204-467-5613
Hadashville; Sunburst Seeds;	
53021 Whitemouth River Road West; R0E 0X0.....	204-340-7145
Hamiota; Chappell Ag Ventures Inc.; Box 580; R0M 0T0.....	204-764-2844
Hamiota; Crop Production Services (Canada) Inc.;	
Box 460; R0M 0T0.....	204-764-2111
Hamiota; Knight Seeds; Box 306; R0M 0T0	204-764-2450
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213 Railway Ave.; R0M 0W0	204-748-1126
Hazelridge; Andrew Saramaga; Box 100; R0E 0Y0	204-755-2817
Hazelridge; Robert and Andrew Saramaga; Box 100; R0E 0Y0	204-755-2817
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Holland; Marginets Farm; P.O. Box 45; R0G 0X0.....	204-526-2544
Holland; Zeghers Seed Inc.; Box 426; R0G 0X0	204-526-2145
Homewood; Agassiz Seed Farm Ltd.; Box 54; R0G 0Y0	204-745-6652
Homewood ; Pembina Consumers Coop (2000) Ltd ;	
Box 26; R0G 0Y0.....	204-745-6421
Inglis; Jackson Seeds Ltd.; Box 142; R0J 0X0	204-564-2293
Kenton; Robert H. Stevenson Ltd.; Box 206; R0M 0Z0	204-838-2012
Kenville; Carmichael Seed Farm; Box 68; R0L 0Z0	204-734-3913
Killarney; Chatham Seeds Ltd.; Box 1436; R0K 1G0.....	204-523-8112
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Letellier; Seed-Ex Inc.; Box 238; R0G 1C0	204-737-2000
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Box 220, 78 Main St.; R0G 1E0	204-746-2234
Lowe Farm; Crop Production Services (Canada) Inc.;	
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Lowe Farm; MB Seeds Ltd.; Box 217; R0G 1E0	204-746-2187
MacGregor; Hulme Agra Products Inc.; Box 68; R0H 0R0	204-685-2627
Manitou; Sanders Seed Farm; Box 700; R0G 1G0	204-242-4200
Marquette; Ag Advantage Ltd.; Box 5, Grp 40; R0H 0V0.....	204-322-5351
Marquette; Consumers Co-operative Limited;	
P.O. Box 211, Railway Ave.; R0H 0V0	204-375-6570
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Mather; Harms Seeds Ltd.; Box 38, 2nd Street; R0K 1L0	204-529-2213
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McCreary; Musgrave Enterprises Ltd.; Box 369; R0J 1B0	204-835-2527
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Melita; Paterson Grain; Box 698; R0M 1L0	204-522-3472
Miami; Elias Seeds; Mod. 1 Comp. 5, R.R. 2; R0G 1H0.....	204-745-3301
Miniota; Walker's Seed Service; Box 144; R0M 1M0	204-567-3647
Minnedosa; Cordova Seeds; R.R. #2; R0J 1E0	204-867-2546
Minnedosa; Gugin Seeds; Box 789; R0J 2E0	204-867-3411
Minto; Fraser Seeds Ltd.; Box 85; R0K 1M0	204-776-2047
Minto; Pembina Consumers Coop (2000) Ltd.; 210 South Railway,	
Box 143; R0K 1M0	204-776-2353
Minto; Southern Seed; Box 203; R0K 1M0.....	204-776-2333
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Morris; Cargill Ltd.; Box 460; R0G 1K0	204-746-6771
Morris; Horizon Agro; Box 59, R.R. #1; R0G 1K0	204-746-2026
Morris; Red River Seeds Ltd.; River Lot 346; R0G 1K0	204-746-3059
Morris; Tri-M Commodities Inc.; Box 615; R0G 1K0	204-746-5316
Neepawa; Chris Kulbacki; PO Box 1986; R0J 1H0	204-476-6449
Neepawa; Northstar Seed Ltd.; Box 2220, 534 Brown Ave.; R0J 1H0 ..	204-476-5241
Nesbitt; Cargill Ltd.; Box 38; R0K 1P0.....	204-824-4484
Newdale; Warehamdale Seeds Ltd.; Box 56; R0J 1J0	204-849-2029
Niverville; Paterson Grain; Box 356; R0A 1E0	204-388-6565
Niverville; Prairie Sky Crop Solutions; Box 309; R0A 1E0	204-388-4303
Niverville; South East Seeds; P.O. Box 642; R0A 1E0	204-371-2898
Notre Dame De Lourde; Durand Seeds Inc.; Box 60; R0G 1M0.....	204-248-2268
Oak Bluff; Anseeuw Farms Inc.; 53092 Road 7E; R4G 0B6	204-895-8375
Oak Bluff; Derek Erb Seeds Inc.; Box 272; R0G 1N0	204-792-6744
Oak Bluff; Terraco; Box 171; R0G 1N0	204-261-0731
Oak Lake; Geryln Acres Ltd.; Box 329; R0M 1P0	204-855-3128
Oak River; Henry, J.S. & Son Ltd.; Box 67; R0K 1T0.....	204-566-2422
Oakbank; South East Seeds Inc.; 26150 Cedar Lake Rd.;	204-371-0370
Oakville; Intel Seed Ltd.; Box 218, 119 2nd St. S; R0H 0Y0.....	204-267-7389
Oakville; Miller Agritec Inc.; Box 83; R0H 0Y0	204-267-2283
Petersfield; Crop Production Services (Canada) Inc.;	
P.O. Box 340, RD #92 HWY #8; R0C 2L0.....	204-738-2455
Pilot Mound; Cavers Farms Inc.; Box 90; R0G 1P0	204-825-2012
Pilot Mound; Crop Production Services (Canada) Inc.; Box 419; R0G 1P0	204-873-2063
Pilot Mound; Double Diamond Farm Supply; Box 6; R0G 1P0	204-825-2429
Pilot Mound; Smith Family Seeds Ltd.; Box 132; R0G 1P0.....	204-825-7810
Pilot Mound; Wallace Seeds; RR #3; R0G 1P0.....	204-825-4543
Plum Coulee; Giesbrecht Seed Farms Ltd.; Box 60; R0G 1R0.....	204-829-3365
Plum Coulee; Janzen Seeds Ltd.; Box 43; R0G 1R0	204-829-7749
Plum Coulee; Legumex Walker Canada Inc. ; 14 Hwy, Road # 13033; R0G 1R0	204-829-2326
Plumas; Court Seeds and Greenhouses; Box 280; R0J 1P0.....	204-386-2354
Plumas; Nu Era Seeds Ltd.; Box 127; R0J 1P0	204-476-0631
Plumas; Tonn Seeds; Box 5; R0J 1P0	204-386-2206
Portage la Prairie; Best Cooking Pulses, Inc.; 124-10th St NE; R1N 1B5	204-857-4451
Portage La Prairie; Jamor Farms Ltd.; R.R. #1, Box 47; R1N 3A1 ..	204-857-8274
Portage La Prairie; J.L. Agronomics ; 3 Garrioch Park Drive; R1N 3R9.....	204-871-0767
Portage La Prairie; Lake Manitoba Seed Co. Ltd.; R.R. #1, Box 64; R1N 3A1	204-857-8708
Portage La Prairie; New Gen Seed Service Ltd.; R.R. #4, Box 9; R1N 3A4	204-274-2417
Portage la Prairie; Portage Co-op; Box 70; R1N 3B3	204-637-3030
Portage La Prairie; Pugh Seeds Ltd.; R.R. #4, Box 32; R1N 3A4.....	204-274-2179
Portage La Prairie; Sanderson, Garry; R.R. #1, Box 61; R1N 3A1 ..	204-857-8406
Portage La Prairie; Sissons Farms Ltd.; Box 822; R1N 3C3.....	204-856-9908
Portage la Prairie; Yellow Quill Farms Ltd.; R.R. #4, Box 47; R1N 3A4 ..	204-252-2411
Rathwell; Payette Seeds Ltd.; Box 101; R0G 1S0	204-749-2243
Reston; Avondale Seed Farm Ltd.; Box 190; R0M 1X0	204-877-3813
Reston; Crop Production Services (Canada) Inc.; Box 416; R0M 1X0.....	204-877-3128
Rivers; Providence Farms; Box 424; R0K 1X0	204-328-7189
Rivers; Redspier Enterprises Ltd.; Box 579; R0K 1X0	204-328-5346
Roblin; Crop Builders Ltd.; Box 420; R0L 1P0	204-937-2211
Roblin; G M Seed Cleaning; R.R. #1; R0L 1P0.....	204-937-2739
Roblin; Parkway Consumers Co-operatives Limited; Box 729; R0L 1P0	204-937-6370
Roland; Roland Air Spray Ltd.; Box 149; R0G 1T0	204-745-6111
Rosenort; Friesen Seeds Ltd.; Box 308; R0G 1W0.....	204-746-8325
Rosser; Krym Farms Ltd.; Box 56; R0H 1E0.....	204-467-9081
Rosser; Mei-West Enterprises Inc.; Box 87; R0H 1E0	204-467-5922
Russell; Crop Production Services (Canada) Inc.; Box 327; R0J 1W0.....	204-773-2448
Russell; Keating Seed Farms Inc.; Box 820; R0J 1W0	204-773-3854
Russell; Woroneski's Seed Plant; Box 1328; R0J 1W0	204-773-3262
Sanford; Bergen Seed Farm; Box 205; R0G 2J0	204-736-2278
Shoal Lake; Richardson Pioneer; Box 446; R0J 1Z0	204-759-2917
Shoal Lake; Shur-Gro Farm Services Ltd.; 236 Industrial Park Rd.,	
Box 128; R0J 1Z0.....	204-759-4240
Snowflake; Double Diamond Farm Supply; Box 74; R0G 2K0	204-876-4557
Solsgrith; Nickel Bros.; Box 52; R0J 2B0	204-842-3834
Somerset; Delmar Commodities Ltd.; 296 Carlton Ave.,	
Box 89; R0G 2L0.....	204-744-2126

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Somerset; Ronceray Seeds; Box 69; R0G 2L0	204-744-2558
Somerset; Sierens Seed Service; Box 35; R0G 2L0	204-744-2883
Somerset; Van Deynze Farms Ltd.; Box 95; R0G 2L0	204-825-7431
Souris; Crop Production Services (Canada) Inc.; Box 489; R0K 2C0	204-483-3860
Souris; Kohut Seed Farms Ltd.; Box 98; R0K 2C0	204-483-3063
Springstein; Wiebe Seeds; Box 82; R0G 2N0	204-735-2750
St. Claude; R-Way Ag Ltd.; Box 388; R0G 1Z0	204-379-2582
St. Jean Baptiste; Crop Production Services (Canada) Inc.; Box 369; R0G 2B0	204-758-3125
St. Joseph; Remillard Seed Farm; Box 45; R0G 2C0	204-737-2376
St. Joseph; Saskcan Pulse Trading - Parent Division ; 10 Martin Street, P.O. Box 36; R0G 2C0	204-737-2625
St. Leon; Labossiere, Luc N.; C.P. 5106; R0G 2E0	204-744-2208
St. Léon; Pembina Co-op ; Box 5007; R0G 2E0	204-744-2850
Ste Rose du Lac; S & L Luke Farms Ltd.; Box 426; R0L 1S0	204-447-2547
Ste-Agathe; Crop Production Services (Canada) Inc.; Box 68; R0G 1Y0	204-882-2567
Ste. Anne; Seine River Seed Farm; Box 6-A, R.R. #1; R5H 1R1	204-355-4495
Ste. Rose Du Lac; Gagnon Seed Service Ltd.; R.R. #2; R0L 1S0	204-447-2118
Steinbach; Marc Hutlet Seeds Ltd.; Box 3023; R5G 1P4	204-422-5805
Stonewall; Quarry Seed Ltd.; Box 1840, 310-1st Street West, 2nd Floor; R0C 2Z0	204-467-8877
Stonewall; Richardson Pioneer - South Lakes; Hwy 7; R0C 2Z0	204-694-0825
Stonewall; Unger Seed Farm Ltd.; Box 471; R0C 2Z0	204-467-8630
Strathclair; Parrish & Heimbecker Ltd. ; Box 426; R0J 2C0	204-365-5282
Swan River; Oberlin Farms & Seed Service Ltd. ; Box 132; R0L 1Z0	204-734-2292
Swan River; Swan Valley Seeds; Box 2256; R0L 1Z0	204-734-2526
Teulon; Kaljent Ag Services; 273 5th Ave SE, P.O. Box 854; R0C 3B0	204-886-2180
Teulon; Kletke Seed Farm Ltd.; Box 23; R0C 3B0	204-886-2822
Teulon; Paterson Grain; Box 865 ; R0C 1H0	204-886-3401
Teulon; Willis Agro Ltd.; Box 1015; R0C 3B0	204-461-0386
Treherne; Stinson Seeds; Box 1; R0G 2V0	204-526-5351
Virde; Clearview Acres Ltd.; Box 1060; R0M 2C0	204-748-2666
Virde; Hutch Ag; Box 1918; R0M 2C0	204-851-6157

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Virde; Nielsen Seeds Ltd.; Box 2050; R0M 2C0	204-851-0225
Warren; Jones Farm Seeds; Box 37; R0C 3E0	204-322-5604
Warren; Riddell Seed Co.; Box 334; R0C 3E0	204-227-5679
Waskada; Shur-Gro Farm Services Ltd.; Box 159; R0M 2E0	204-673-2445
Wawanesa; Ellis Farm Supplies Ltd.; Box 208; R0K 2G0	204-824-2290
Westbourne; Munro Farm Supplies Ltd. ; Box 92; R0H 1P0	204-274-3050
Westbourne; Richardson Pioneer - Dundonald; Box 114; R0H 1P0	204-274-2301
Whitemouth; Oldenburg Inc.; Box 147; R0E 2G0	204-348-2294
Winkler; Crop Production Services (Canada) Inc.; RR#1 Box 72; R6W 4A1	204-325-6498
Winkler; Delmar Commodities Ltd.; Box 1055; R6W 4B1	204-343-2323
Winkler; Ens Farms Ltd.; Box 218, R.R. #1, Group 16; R6W 4A1	204-325-4658
Winkler; Legumex Walker Canada Inc.; 147 North Railway Rd.; R6W 1P8	204-325-9555
Winkler; Legumex Walker Canada Inc.; P.O. Box 1236, 129 Manitoba Road; R6W 4B3	204-325-9555
Winkler; Winkler Co-op; Box 1120; R6W 4B2	204-327-6424
Winnipeg; Botanical Paperworks Inc.; 111 Pacific Ave.; R3B 0M1	204-956-7393
Winnipeg; BrettYoung Seeds; P.O. Box 99, St. Norbert Postal Stn., Hwy 330 @ S.W. Pe; R3V 1L5	204-478-2212
Winnipeg; C.M. Agra Ltd.; Box 35, R.R. #2; R3C 2E6	204-633-6010
Winnipeg; DL Seeds Inc.; Box 98 St. Norbert Postal Station; R3V 1L5	204-781-8273
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Winnipeg; James Farms Ltd.; Box 16, Group 620, S.S. 6; R2C 2Z3	204-222-8785
Winnipeg; Monsanto Canada Inc.; 900-One Research Road; R3T 6E3	204-985-1021
Winnipeg; Parrish & Heimbecker Ltd. ; Box 199 B, RR#5, 70 Roderick St.; R2C 2Z2	204-222-7171
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Winnipeg; Pickseed Canada Inc.; Box 4, Group 200, R.R. #1; R3C 2E6	204-633-0088
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20/20 Seed Labs (Winnipeg) 3487 Pembina Hwy. Winnipeg, Manitoba R3V 1A4	Shari Lafreniere Tel: (204) 261-3755 Fax: 1-888-900-1810 Shari@2020seedlabs.ca	Crop kinds in Tables I to XI 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 kerickson@redsper.ca	Crop kinds in Tables I to XI (except orchardgrass), XIII to XX.	None	Pulses: Anthracnose, Botrytis Vomitoxin, Ascochyta spp.
BioVision Seed Lab (Winnipeg) B17-1391 St.James Street. Winnipeg, Manitoba R3H 0Z1	Ken Penner Tel: (204) 775-6463 Fax: (204) 775-6614 Patrick.Greer@biovision.ca	Crop kinds in Tables I to XI (except orchardgrass), XIII to XX	See BioVision Edmonton Lab	Grain analysis, Vomitoxin Herbicide tolerance testing in RR Canola and LL Canola and RR Soybeans
Integrity Seed Lab Ltd. 1038 Arlington Street Winnipeg, Manitoba R3E 2G1	Glen Green Tel: (204) 774-1882 Fax: (204) 774-1881 info@integrityseedlab.com g.green@integrityseedlab.com	Crop kinds in Tables I to XI (except orchardgrass), XIII to XX	None	Herbicide tolerance testing in RR Canola and LL Canola and RR Soybeans Cereals: Vomitoxin
Saskatchewan				
AG Seed Lab Box 998 Carrot River, Saskatchewan S0E 0L0	Janet Stoner Tel: (306) 768-3335 Fax: (306) 768-2169 agseedlab@sasktel.net	Crop kinds in Tables I to XX	Barley for True Loose Smut	Cereals: Fusarium. Pulses: Ascochyta, Anthracnose, Botrytus, Sclerotinia Canola: Blackleg, Alternaria, Sclerotinia
Discovery Seed Lab 450 Melville St. Saskatoon, Saskatchewan S7J 4M2	Shirley Baraniski Tel: (306) 249-4484 Fax: (306) 249-4434 bcarriere@seedtesting.com	Crop kinds in Tables I to XI (except orchardgrass), XIII to XX	Barley and wheat for True Loose Smut;	Flax: Triffid detection Cereals: Vomitoxin, Ochratoxin, fusarium, root rots, Wheat Midge Refuge testing, variety identification (wheat & Barley) Pulses: Ascochyta, Anthracnose, Botrytis, Sclerotinia Canola: Blackleg, Alternaria, Sclerotinia Herbicide tolerance testing in RR Canola and LL Canola and RR Soybeans, clubroot (plant & soil) Clearfield confirm
London Seed Lab 147 Hodsman Road Regina, Saskatchewan S4N 5W5	Tej Prasad Tel: (306) 585-7333 Fax: (306) 585-7337 london.seeds@gmail.com	Crop kinds in Tables I to VII and XVIII	None	
Prairie Diagnostic Seed Lab Inc. 1105 Railway Ave. Weyburn, Saskatchewan S4H 3H5	Bonnie Ernst Tel: (306) 842-7375 Fax: (306) 842-7376 pdsi@sasktel.net	Crop kinds in Tables I to VII	Barley for True Loose Smut	
Seed Solutions Seed Labs Inc. Box 1420 Swift Current, Saskatchewan S9H 3G	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	Crop kinds in Tables I to XX	Barley for True Loose Smut	Flax: Triffid detection Pulses: Ascochyta spp.
20/20 Seed Labs Inc. (Lethbridge) 3618-6 Avenue North Lethbridge, Alberta T1H 5C4	Sarah Foster Tel: 1-877-420-2099 Fax: 1-888-900-1810 sarah@2020seedlabs.ca	Purity: none. Germination: Crop kinds in Tables I to XI (except orchardgrass), XVI to XX	None	
BioVision Seed Labs 280 Portage Close, Unit 310, Sherwood Park, Alberta T8H 2R6	Terry McIntee Tel: (780) 436-8822 Fax: (866) 589-7051 terry.mcintee@biovision.ca	Crop kinds in Tables I to XI (except orchardgrass), XIII to XX	Barley for True Loose Smut	Flax: Triffid detection CLEARFIELD confirm in wheat & lentils Cereals: Fusarium spp., Root Rot, Fungal Scan. Pulses: Botrytis, Anthracnose, Ascochyta spp. Canola: Blackleg Varietal Identification in barley & wheat
BioVision Seed Labs (Grande Prairie) Suite C, 12803 - 100 St. Grande Prairie, Alberta T8V 4H3	Michele Kulba Tel: (780) 532-8890 Fax: (780) 513-0115 michele.kulba@biovision.ca	Crop kinds in 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 Tables I to VI, VIII to XI (except orchardgrass), XII to XV. Germination: Crop kinds in Tables I to XI (except orchardgrass) XIII to XV	None	Cereals: Fusarium, Pulses: Ascochyta spp. Canola: Blackleg
Seed Check Technologies Inc. 101, 5906 - 50th Street Leduc, Alberta T9E 0R6	Morgan Webb Tel: (780) 980-8324 Fax: (780) 980-8375 morgan@seedcheck.net	Crop kinds in 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, August 31, 2015

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