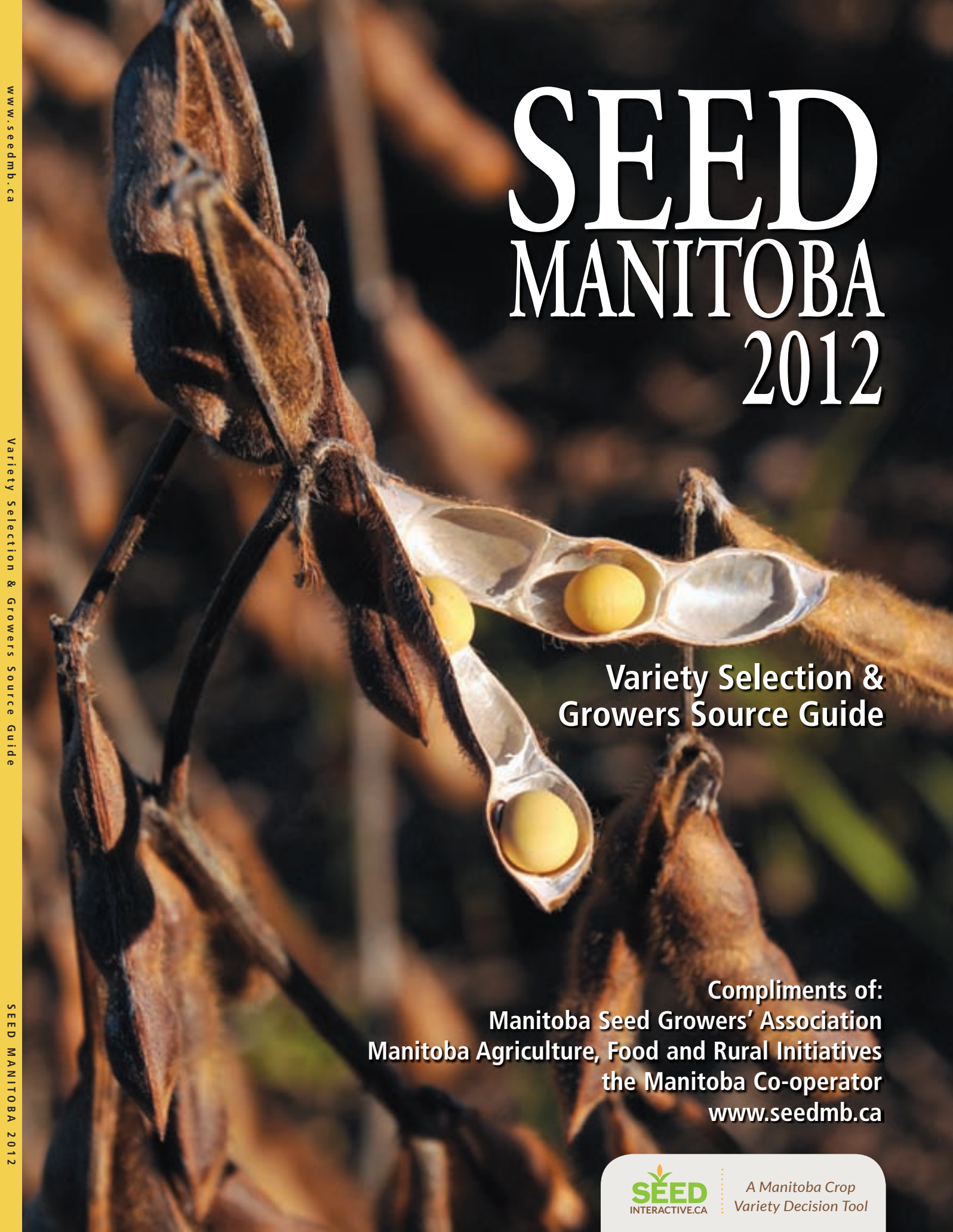




SEED MANITOBA 2012

Variety Selection &
Growers Source Guide

Compliments of:
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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
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within crop kind. '®' indicates the variety is
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Manitoba 



Manitoba Co-OPERATOR

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Supplement to the *Manitoba Co-operator* December 8, 2011

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Minister's Message



Manitoba Agriculture, Food and Rural Initiatives (MAFRI) is pleased to participate in the development of the 2012 edition of Seed Manitoba, offering farmers the latest information on cereal, oilseeds, forages and specialty crop varieties.

This annual publication is invaluable when it comes to helping farmers make their variety decisions before spring planting. With the most up-to-date information on the performance of selected varieties,

particularly new cultivars, farmers can improve their profitability.

Manitoba's Crop Variety Evaluation Team, including MAFRI staff, has coordinated more than a hundred trials in various locations around the province. These provide post-registration performance data spanning Manitoba's diverse growing area helping farmers make variety decisions for their own unique farming operations.

Another positive aspect of Seed Manitoba is that the publication reflects a cooperative effort involving Manitoba's agri-business community, farmers, commodity groups and various levels of government to ensure that the information farmers receive is impartial and current.

As Minister, my department is committed to helping farmers increase their profitability and supporting Seed Manitoba is one example of how we are delivering on this commitment. Congratulations to everyone who has participated in this year's publication.

Stan Struthers
Minister of Agriculture, Food and Rural Initiatives

President's Message



Last year I began this letter with, "The 2010 growing season certainly provided an opportunity to highlight the differences between crop varieties." For 2011, a different set of growing conditions, however the same line applies. Extreme conditions this spring for much of the province kept producers guessing and seeding plans were changed daily. Following that, much of the province saw a significantly drier summer to test varieties in a way many had never seen.

Diverse farming practices, changing soil types, and varying rainfall and heat accumulations from region to region often result in different varieties making up the bulk of acres for a given location. To accommodate these regional differences Seed Manitoba and the MCVET variety testing system is set up to allow producers to make variety comparisons both on a regional basis by comparing data from local sites and on a broader basis when averaged over all sites in the province.

Manitoba producers are privileged to also have access to this seed guide in an online version (www.seedmb.ca). The website continues to be updated throughout the winter with data not available in time to meet the seed guide publication deadlines. Whichever format you prefer, both provide not only yield comparisons but also evaluations of several other key agronomic factors such as lodging, maturity, and disease resistance. As a one stop resource to access independent testing of these critical characteristics, this guide provides the best data for producers to make informed variety selections.

The Manitoba Seed Growers' Association is proud to be a part of the MCVET team and wishes to thank the extensive network that comes together to make this publication happen. MCVET receives excellent support from MAFRI staff, provincial grower associations, site co-operators, site contractors and our many industry contributors and sponsors.

Craig Riddell
President, MSGA

Thank you to MCVET Sponsors and Supporters

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

Agri-Food Research and Development Initiative (ARDI)
Manitoba Agriculture, Food and Rural Initiatives
Manitoba Pulse Growers Association

Manitoba Seed Growers' Association
Manitoba Co-operator SeCan
Winter Cereals Manitoba Inc.

MCVET greatly appreciates the efforts of our site contractors:

Ag-Quest Inc.
Agriculture and Agri-Food Canada
Canada-Manitoba Crop Diversification Centres
ICMS
James Richardson International
Kelburn Farms
Murphy et al. Inc
S.S. Johnson Seeds Ltd.

Parkland Crop Diversification Foundation
Prairies East Sustainable Agriculture Initiative
University of Manitoba
Viterra
Westman Agricultural Diversification Organization

MCVET would also like to express its gratitude to:

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

Provincial grower organizations who provided monetary support and donated data to Seed Manitoba 2012.

Companies and individuals who performed seed quality analysis.

Syngenta for providing seed treatment.



Welcome to *Seed Manitoba 2012*

by Pamela de Rocquigny, *Seed Manitoba* editor, Manitoba Agriculture, Food and Rural Initiatives

Welcome to *Seed Manitoba 2012*, the Variety Selection and Growers Source Guide, compliments of Manitoba Agriculture, Food & Rural Initiatives, the Manitoba Seed Grower's Association and the Manitoba Cooperator. *Seed Manitoba* continues to be a premiere source for unbiased, local variety information from sites across Manitoba.

Rain, Rain go away... but it didn't come back another day!

The 2011 growing season was yet again another challenging one for Manitoba farmers. The season started much like it left off in the fall of 2011...wet. Precipitation continued into May and June, resulting in excessive moisture, delaying and/or preventing seeding, as well as impacting plant stands and crop development. Then summer months came, but the rain didn't and precipitation became minimal across most of the province for the remainder of the growing season. There were good things that came of this limited precipitation – it allowed crops to develop rapidly, permitted drying of land so producers could rehabilitate unseeded fields in preparation winter cereal planting in 2011 or for the 2012 season. It also allowed haying and crop harvest operations to occur under excellent conditions. However, the limited precipitation did have an impact on yield and quality in some crop types.

Much like what Manitoba farmers saw in their own fields, many of the variety trials across the province showed variability in yields and quality, resulting from the excessive early moisture followed by drought-like conditions. Due to the hard work of our site contractors, most sites were harvested and data approved by MCVET or the respective commodity organization for publication in *Seed Manitoba*. For the yield and quality data that did not meet our deadlines, it will be available

in the Web Exclusive section of our website www.seedmb.ca. This year it will feature information for soybeans, edible beans and sunflowers. This information will be released in weekly intervals starting January 2012.

Changes to note

There are a few changes in *Seed Manitoba 2012*, some that can be seen while some are behind the scenes. In the Oilseed Crops section, we see the re-emergence of independent variety evaluations for canola called Canola Performance Trial (CPT) testing. A new format was designed to be more reflective of field practices, which included implementation of corresponding herbicide systems applied to matching herbicide tolerant varieties and no variety has been deemed as the "check". A field scale component was also added to compare variety performance and will provide depth to assessing consistency from small plot to field sized performance. All data is vetted by qualified personnel to ensure that accurate data is being presented to farmers. Accompanying the table is a further explanation of where this information is coming from and how to use it so take the time to read it before diving right into the results.

In *Seed Manitoba 2012*, you will notice some crop types were not tested this year as there were no new supported varieties from the registration meetings for evaluation (durum wheat, flax). Or the number of varieties tested were decreased to more accurately reflect the acreage those crops are grown on in the province (lentils, field peas). This assists MCVET in maintaining balanced testing budgets while still providing information on the newest varieties.

Behind the scenes we welcomed Dennis Lange, Provincial Pulse Specialist, to the *Seed*

Manitoba team. He brings extensive experience to his new role with MAFRI and is one of the four Commodity Editors involved with the production of *Seed Manitoba*. As in past years, any questions related to the data found in *Seed Manitoba 2012* can be directed to the Commodity Editors: Pam de Rocquigny for cereal crops and grain corn, Anastasia Kubinec for canola, flax, mustard and sunflower, Dennis Lange for lentils, peas, faba-beans, field beans and soybeans, and Glenn Friesen for annual and perennial forages.

Use single site year data with caution

A friendly reminder as you read through *Seed Manitoba 2012* to always use caution when looking at single site year data. Varieties that perform well under one set of environmental conditions may not perform as expected under the next year's conditions. A good example is to look at the effect of this summer's weather on maturity data for soybeans. The hot, dry weather resulted in beans maturing quicker than if we'd seen a year with less heat and more moisture in the season. Therefore you don't want to put too much emphasis on how early they matured this year and coming to the conclusion you can get by with a longer season variety with higher yield potential. One year's data isn't enough to accurately predict a variety's maturity and with continued testing a better feel for the true maturity ratings will be gained. Remember, the more site years of data (especially if it is over more than one season), the more dependable the data.

A collaborative effort

Seed Manitoba 2012 is a result of industry, government and producers working together to provide comprehensive variety performance data. Thank you to our MCVET Sponsors and Supporters, the site contractors, commodity organizations, and locally supported grower groups, as listed on page 5. Thank you to Craig Linde, Interim MCVET Coordinator, who supplied 2011 yield data from MCVET. It is our collective hope you find the information in *Seed Manitoba 2012* of great benefit as you make variety decisions in the coming months.

Detailed quality data for various crop types will be available in the Web Exclusive section at www.seedmb.ca

RUNAWAY YIELD MOMENTUM



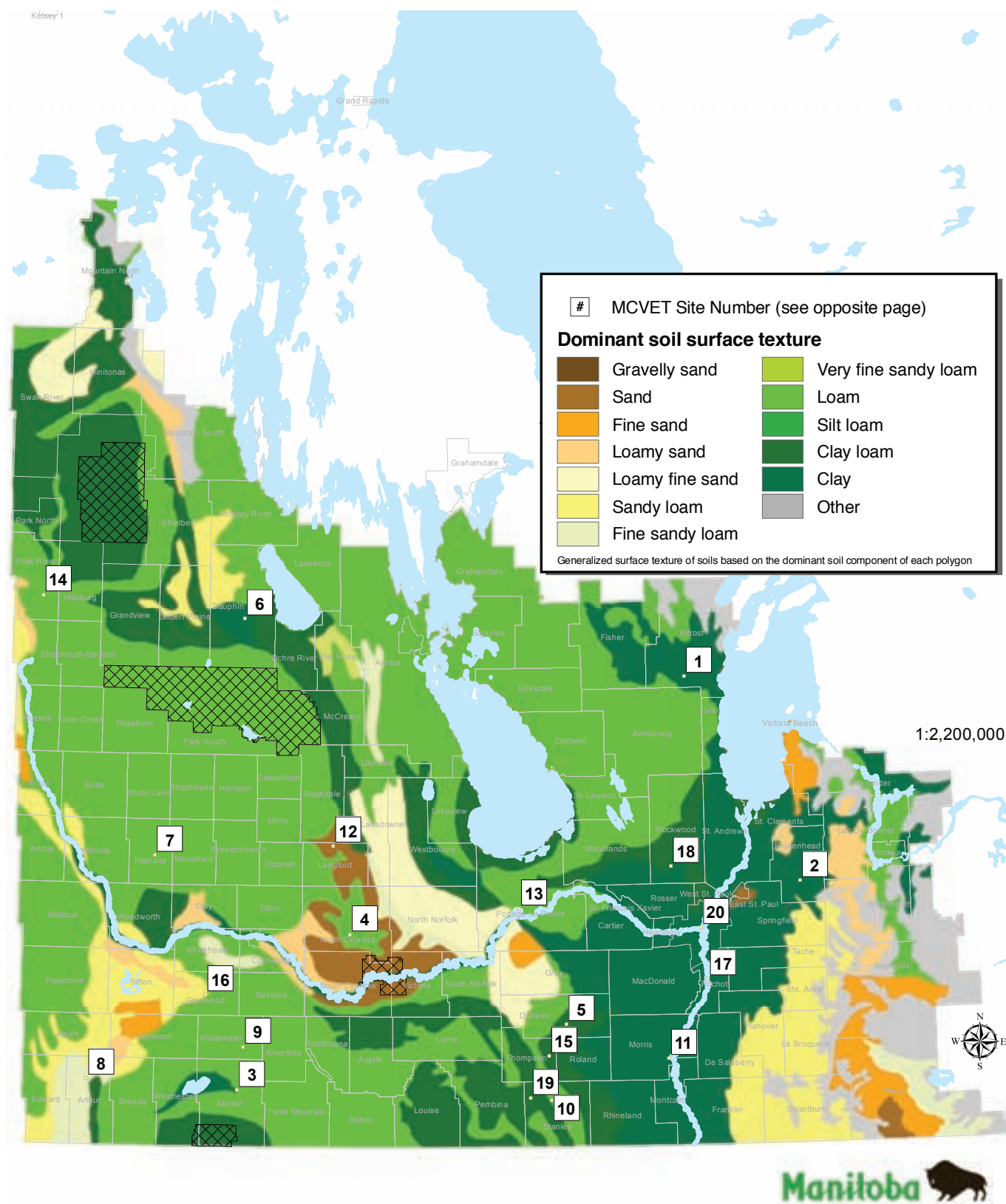
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2011 MCVET SITE LOCATIONS AND CHARACTERISTICS



MCVET Site Location	Soil Texture	Internal Soil Drainage	Seasonal Crop Heat Units ¹	Growing Season Moisture ¹	Weather station used
1 Arborg	clay	imperfect	108%	95%	Arborg
2 Beausejour	clay loam	imperfect	103%	63%	East Selkirk
3 Boissevain	clay loam	well	101%	111%	Boissevain
4 Carberry	clay loam	well	102%	89%	Carberry
5 Carman	loam	imperfect	101%	66%	Carman
6 Dauphin	silty clay loam	imperfect	92%	86%	Dauphin
7 Hamiota	clay loam	well	105%	136%	Hamiota
8 Melita	loamy	imperfect	106%	123%	Melita
9 Minto	loamy	imperfect	101%	111%	Boissevain
10 Morden	clay loam	well	98%	79%	Morden
11 Morris	clay	imperfect	105%	80%	Morris
12 Neepawa	clay loam	well	107%	116%	Minnedosa
13 Portage	sandy loam	imperfect	106%	67%	Portage
14 Roblin	loamy	well	100%	105%	Roblin
15 Rosebank	loam	imperfect	101%	66%	Carman
16 Souris	clay loam	imperfect	109%	138%	Souris
17 St. Adolphe	heavy clay	imperfect	105%	60%	St. Adolphe
18 Stonewall	clay	imperfect	103%	86%	Woodlands
19 Thornhill	loamy	well	99%	83%	Winkler
20 Winnipeg	silty clay	imperfect	104%	58%	Winnipeg

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

Other site characteristics

Seeding dates for individual trials can be found at www.seedmb.ca. To access the information, click on the link to "2011 Manitoba Variety Trial Locator" followed by the corresponding location, then select the appropriate crop type to link to the plot plan. Due to the number of crops per site, there may be several different seeding dates for any one location. The information for the 2011 growing season will remain on the website until June 2012, at which time the information will be removed and the current crop year will be posted by mid-July.

As per the MCVET protocol, 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.

Please contact Craig Linde at (204) 841-4712 or e-mail craig.linde@gov.mb.ca for questions pertaining to any MCVET site.

Roundup Ready 2 soybeans on tap for 2012

Some are worried there won't be enough early maturing seed to meet Manitoba farmers' needs

by Allan Dawson, Co-operator staff

Supplies of early maturing varieties of Roundup Ready2 (RR2) soybean seed could be tight next spring.

"I would say the growers that need the earlier varieties — anyone north of No. 1 highway — should be looking at booking them pretty quick," said Legend Seeds seed manager Mark Jorgenson.

Most, but not all, Manitoba soybean seed suppliers will sell only RR2 soybeans in 2012. The shift away from RR1 varieties coincides with the expiration of the RR1 patent in August this year.

There were concerns there might not be many early maturing RR2 varieties to choose from in 2012. But about half of the 43 RR2 varieties tested this year in the Manitoba Crop Variety Trials (MCVET), are earlier maturing than the mid-season check variety Portage, and the other half are later maturing, said Dennis Lange, Manitoba Agriculture, Food and Rural Initiative's pulse crop specialist. However, this year's maturity data could be a bit skewed because of dry, hot growing conditions later in the growing season.

"This year, some of the varieties matured earlier than they might have if we'd got more rain during the summer," Lange said. "They did make it this year, but there were some varieties that didn't make it either."

DeKalb is offering a couple of early maturing RR2 varieties that should alleviate farmers' concerns, said Monsanto spokeswoman Trish Jordan. However, she added DeKalb is almost sold out.

"So farmers should check with their seed supplier and book soon," Jordan said.

Dry harvest conditions also make soybeans more vulnerable to injury, which can reduce germination, Jorgenson said in a late October interview when germination results were not available.

Demand naturally affects supply as well. Ray Wytinck, general manager of NorthStar Genetics, expects Manitoba farmers will seed more soybeans in 2012 if they can.

"Our supplies are relatively good," he said. "The question is, how many acres of soybeans are going to get planted next year? If the market grows substantially there could potentially be a shortage of seed."

This year, the Manitoba Agricultural Services Corporation says 587,383 acres of soybeans were planted, up from 516,392 in 2012. And that's despite an extremely wet spring. Had the weather been better, farmers might have seeded 700,000 acres of soybeans, Wytinck said.

"The feedback we're hearing is guys are going to put more acres in on the bean side," he said.

After struggling with too much moisture during seeding, the tap turned off and many crops suffered from a lack of rain later in the summer. But soybeans generally fared better than canola under the less-than-ideal conditions, according to Wytinck. That, and the fact that soybeans are cheaper to grow, is driving increased acreage.

Most of the RR2 varieties will be grown on a large commercial scale for the first time in 2012. Wytinck is advising caution.

"If you're growing more than 300 acres of beans, you definitely should be growing more than one variety and varying the maturity," he said. "The longer maturity variety gives you more yield potential, but if they freeze out it doesn't matter what the yield potential is."

"I would say the growers that need the earlier varieties — anyone north of No. 1 highway — should be looking at booking them pretty quick"

— MARK JORGENSEN

Farmers in traditionally cooler areas should focus on earlier maturing varieties, but can include some mid-season ones, too. Farmers in the warmer areas can plant mid-season varieties, but also some later ones.

"Maturity is always king," Lange said. "You can have something that yields high but if you put it in the wrong area, it won't yield high because it may be too long for that particular area. You want to look for a variety that is early and a variety that has a respectable yield."

There are other factors to consider, including disease resistance and iron chlorosis tolerance.

Lange also warns that one year of data isn't usually enough to provide a complete picture of a variety.

"Farmers should look at different sources of data, including *Seed Manitoba* as well as private industry stuff and use that data to help them make their decision," he said.

Jorgenson, Wytinck and Jordan agree RR2 has a yield advantage.

"We saw a pretty nice increase with the RR2s, especially on the mid to late varieties" Jorgenson said. "We're seeing really big increases in some cases. On the earlier ones, we're seeing increases but not as dramatic, but increases that warrant increases in prices. And the prices haven't gone up that much per unit."

NorthStar Genetics' earlier maturing RR2 varieties yielded five to six per cent better than RR1 varieties, Wytinck said. The mid to late season varieties saw a 15 per cent increase at seven test sites, with one variety up 26 per cent, he said.

"The early season RR2 is yielding better than a mid-season RR1," he said.

It looks like there will be a yield advantage to RR2, Lange said. Some of the varieties in this year's trial were earlier than Portage, but yielded more.

Monsanto's patent on the herbicide tolerance trait in RR1 soybeans has expired. That means farmers can keep the production from their 2012 soybean crop for seed so long as they don't sign an agreement with a seed company saying they won't save seed. Farmers cannot legally save any of the 2011 RR1 crop for future seed use.

There will be some RR1 soybean varieties for sale in 2012, but most companies selling RR1 varieties will require buyers to agree not to save seed.

That's the case with Pioneer Hi-Bred. Its traditional "one-use" agreement will still apply to the RR1 soybeans it sells in 2012, said company president Ian Grant.

In addition, 50 of Pioneer's new RR1 soybean varieties will be protected by "Variety Improvement Patents," which makes it illegal for farmers to save the seed.

Pioneer wants to send a clear message that despite the expiration of Monsanto's RR1 patent in 2011, farmers will not be allowed to save Pioneer's RR1 soybean seed in 2012 or beyond.

"We believe that Canadian soybean growers can benefit from access to the latest and most advanced seed," Grant said. "By protecting soybean varieties with Variety Improvement Patents, we'll be better equipped to bring growers the innovation, yield gains, and increased profitability they expect."

Grant said Pioneer's RR1 soybeans are as good or better than competitor's Roundup Ready 2 varieties.

"Our soybeans are on more acres than any other brand in Canada," he said. "It's about the good genetics and how we work with growers to maximize the performance. Secondly, we believe that farmers should have choice. They shouldn't all be forced to go all Roundup Ready 2 or all Roundup Ready 1."

Supplies of early maturing Roundup Ready 2 soybean seed could be tight in the spring.

PHOTO: ALLAN DAWSON



Seed Interactive...

A Manitoba Crop Variety Decision Tool

by Pamela de Rocquigny, Provincial Cereal Specialist, MAFRI

A suite of tools are available to assist Manitoba producers with variety selection. The most well-known, *Seed Manitoba*, continues to be a premiere source for unbiased, local variety information for Manitoba producers. Next came www.seedmb.ca, which hosts current and archived digital editions of *Seed Manitoba*. The website also has information of where the various Manitoba Crop Variety Evaluation Team (MCVET) trials are located and the detailed plot plans so producers can visit the sites and take their own notes on how varieties are performing during the season. The latest addition, SEED INTERACTIVE, A Manitoba Crop Variety Decision Tool (www.seedinteractive.ca), was launched in Spring of 2011.

The Goal of SEED INTERACTIVE

SEED INTERACTIVE was created to improve Manitoba's grain producers' competitive ability by providing them an online decision tool to help make variety choices for their farms. The biggest advantage of SEED INTERACTIVE is it allows producers to tailor output taking into consideration their own agronomic and management requirements. Crop types currently available on SEED INTERACTIVE include spring wheat (including durum), winter wheat, barley, oats, flax and peas. Spring 2012 will see sunflower (oil and confectionary) and soybean data added. And future editions will feature field beans, lentils, and fall rye.

Two reports available

With SEED INTERACTIVE, you can generate two types of reports – a Variety Characteristics Report or a Yield Comparison Report. With both, one of the biggest advantages is the ability of producers to choose their own 'check' variety to make comparisons. In Seed Manitoba, both the long term data and the annual yield comparisons at various locations are compared to a 'check'. For example, in spring wheat all varieties are expressed as a percent of the selected 'check' variety AC Barrie. However, what happens if you want to compare a variety that you commonly grow on your own farm to the newest varieties? This is where SEED INTERACTIVE can

FIGURE 1 – VARIETY CHARACTERISTICS REPORT



help as it allows you to choose your own check and make the comparisons you want to make.

Variety Characteristics Report

The Variety Characteristics report is used to generate an overall performance summary using all data available for a select number of varieties that you are interested in. The Variety Characteristics report can be compared to the Variety Description Table currently found in Seed Manitoba and contains information on overall yield performance using all available data, disease resistance and general agronomic performance. However, it also contains other information not found in the guide. With this type of report, multiple varieties can be selected for comparison. However, caution must be exercised when comparing the generated relative yield performance between the multiple varieties. This is because the number of locations and years used to compare each variety with the check may differ.

Let's walk through an example for spring wheat.

In the Crop Type Category box, select 'wheat' and in the Report Type box select 'Variety Characteristics'. Next you'll want to choose your check variety. The varieties are divided into two categories – Most Commonly Grown, which represent varieties most commonly grown (by acres) in Manitoba over the past three years, or Current and New which either shows varieties that are relatively new and growing in demand, have just been registered, or at one point were popular in Manitoba but over recent years have fallen in popularity. Selecting a check from the Most Commonly Grown category will give you the largest dataset which increases the reliability of the generated report. For this example, let's select 'KANE'. You'll then want to choose the varieties you want to compare...here only the varieties that have been tested in the same trial as KANE will appear. Let's select the newer varieties of 'WR859 CL' and '5603HR'. Now all you need to do is hit 'Run Report'.

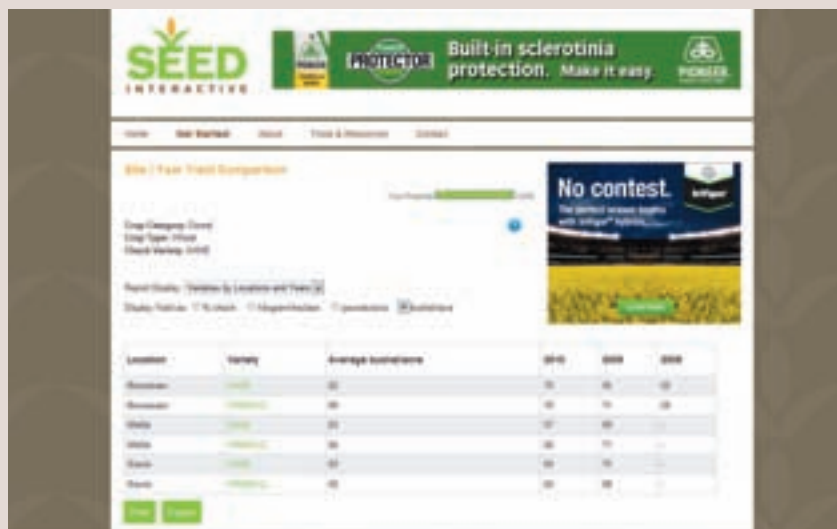
The generated data can be presented in several ways. The first report looks at the yield data, which

shows the number of site years tested, the yield expressed as a percent of your selected check KANE, and protein expressed as plus/minus of KANE. In our report, both 5603HR and WR859 CL have 26 site years of data available where 5603HR yielded 104% of KANE and WR859 CL yielded 101% of KANE...so pretty similar. However, you can also view the agronomic information by clicking on the 'Agronomics' radio button which gives you information for lodging, maturity and height. Click on 'Disease Resistance' and resistance level ratings for various diseases are presented. And finally you can click on 'Other Information' which will provide you information not found in Seed Manitoba, including the breeder, the pedigree, the year registered, the registration region and test code it was evaluated as in the Co-operative Registration Trials (see Figure 1 - Variety Characteristics Report). Anywhere along the way, you can either 'Print' a copy or 'Export' your report into an excel spreadsheet. One more additional feature is the ability to click on the variety names KANE, 5603HR or WR859 CL and it will direct you to the seed growers for those varieties in Manitoba.

Yield Comparison Report

The Yield Comparison Report on SEED INTERACTIVE can be compared to the Yield Comparison Tables found in Seed Manitoba. Let's walk through another example for spring wheat. The first steps remain the same but at the Report Type box select 'Yield Comparisons' instead. The next step is another big advantage of SEED INTERACTIVE where producers can select one or multiple locations to customize the data. This allows a producer to single out a site which may be close to their farm or select a group of locations that represent the growing conditions and soil types in their region. Or they can select all locations as to provide the best estimate of the average performance. Always view the data with caution if selecting only one location. In our example, let's select Boissevain, Melita and Souris, then click Continue. Next you'll want to choose your check variety. Just like the Variety Description report, the varieties are divided into two categories – Most Commonly Grown and Current and New. Once again, selecting a check from the Most Commonly Grown category will give you the largest dataset which increases the reliability of the generated report. Let's select 'KANE' again. You'll then want to choose one variety you want to compare to KANE. With this report, users are restricted to compare only one variety in order to maximize the number of locations and years in common with the selected check. This provides the most complete and reliable information for comparison. In the future, an additional

FIGURE 2 – YIELD COMPARISON REPORT



Yield Report that uses calculated rolling averages for varieties will be available. This will allow for multiple varieties to be compared to the selected check variety. Let's select the variety 'WR859 CL' and hit 'Run Report'.

Again the generated data can be presented in several ways by using the drop down menu beside Report Display. The default, 'Varieties by Year' data, presents the Yield Averaged over all the years available (in our example, from 2008 to 2010), the

Remember, some of the locations chosen in the selection process may not appear if KANE and WR859 CL were not tested together at that location. Now if you then select 'Varieties by Locations and Years' from the drop down menu, you'll be presented with the average percent of check yield and each individual site year and location where those two varieties were compared against each other (see Figure 2 - Yield Comparison Report). As you'll note in this report, no data is available for 2008 at the Souris or Melita locations, indicating KANE and WR859 CL were not tested together in 2008 at either Souris or Melita. With any one of these three displayed reports, you can click on the desired radio button beside 'Display Yield' as to view yield as % of check, in kilograms per hectare, pounds per acre, or bushels per acre. And like the Variety Comparison Report, anywhere along the way, you can either 'Print' or 'Export' your report into an excel spreadsheet or click on KANE or WR859 CL and it will direct you to the seed growers for those varieties in Manitoba.

SEED INTERACTIVE, available at www.seedinteractive.ca, is an on-line tool that allows Manitoba farmers to customize the output to meet their specific needs. Use SEED INTERACTIVE, along with Seed Manitoba and www.seedmb.ca, to increase productivity and profitability through improved variety selection. Data from 2011 for spring wheat, winter wheat, barley, oats and peas will be available on SEED INTERACTIVE mid-December. SEED INTERACTIVE is a collaborative effort between Manitoba Agriculture, Food & Rural Initiatives, Farm Business Communications, and the Manitoba Seed Growers Association.

SEED INTERACTIVE –
A Manitoba Crop Variety
Decision Tool at
www.seedinteractive.ca was
launched in Spring of 2011

number of site years of data, and the Yield by Year data (which is averaged over our three selected locations). In our report, there is 7 site years of data available where averaged over all years WR859 CL yielded 102% of KANE. And if we look at each individual year, we see WR859 CL yielded 101% of KANE in both 2010 and 2009 and 111% in 2008. If we select 'Varieties by Locations' from the drop down menu, data is presented for the Yield averaged over the three locations and each individual location where both the selected check and the variety were tested in the same experiment. In our report, WR859 CL yielded 107% of KANE at Boissevain, 102% at Melita, and 96% at Souris.

OTHER CANOLA IS YELLOW... OURS IS GOLD



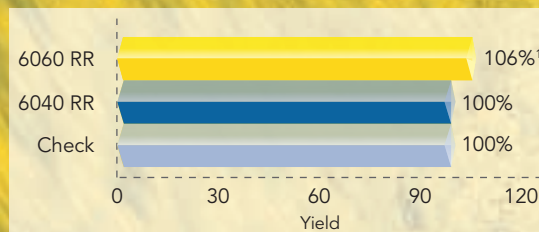
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¹Check is an average of 45H28 and 7265 over 18 replicated field scale grower trials (2010).

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Variety Description Key

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

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

Protein data is from MCVET plots harvested from 2002 to 2011. 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 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 against the check. The more site years the more dependable the data.

☪ Indicates a variety that is protected by Plant Breeder's Rights or a variety where protection has been applied for but not yet granted at time of printing.

Key to 2011 Yield and Protein Tables

Yields derived over 2 or more growing seasons are the best indicator of variety performance. For new varieties, "2011 Average Yield" over all sites is more reliable than data from a single location. Use single site year data with caution.

Data collected from Portage is not presented as an individual site but data is included in the 2011 Average Yield and Protein columns in the Yield and Protein Comparisons tables and 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% = 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.

Cereal Crops



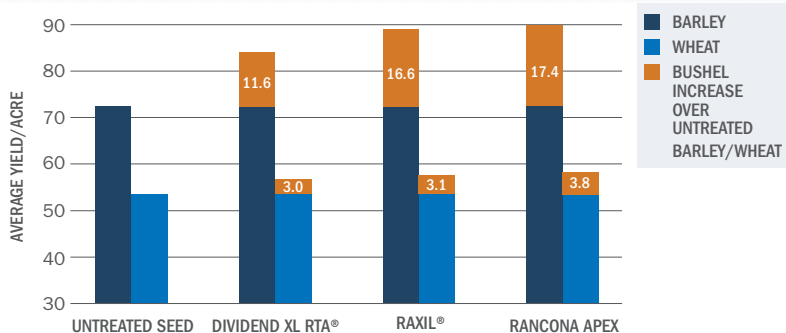
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YIELD BUSHEL/ACRE ON BARLEY² AND WHEAT³



¹ Independent research and university trials 2005-09.

² Tests conducted in Alberta (N=4), Montana (N=1), Manitoba (N=2) and North Dakota (N=2). Average of 9 trials. Raxil T was formulation of Raxil used in trials.

³ Tests conducted in Alberta (N=5), Montana (N=5), Manitoba (N=2) and North Dakota (N=3). Average of 15 trials. Raxil MD was formulation of Raxil used in trials.

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SEED TREATMENT

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Manitoba Agriculture, Food and Rural Initiatives Variety Guide

BARLEY

New for 2012

Variety	Type	Code	Breeder	Distributor	Seed Availability
CDC Anderson	Malting	SR425	Crop Development Centre	SeCan	2012, Limited
CDC Kindersley	Malting	TR07114	Crop Development Centre	SeCan	2012
CDC Polarstar	Malting	TR06918	Crop Development Centre	CANTERRA SEEDS	2011
Gadsby	Feed	TR08684	Alberta Agriculture & Rural Development	SeCan	2012, Limited
Muskwa	Feed	BT584	Alberta Agriculture & Rural Development	SeedNet Inc.	—

Varieties that have been supported for registration

Feed	TR07728	WestBred LLC
Hulless	HB08304	Crop Development Centre

Comments:

The Canadian Food Inspection Agency has provided notification in their Proposed List of Variety Registration Cancellations the two-row spring barley variety **Rivers** will be cancelled (deregistered) effective August 1, 2013.

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 Grains Commission's Variety Designation Lists (www.grainscanada.gc.ca) to determine the registration and grade eligibility status of varieties.

CDC Polarstar is available for contract identity preserved production offered through Prairie Malt Limited, Sapporo Breweries and CANTERRA SEEDS.

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

Variety Descriptions

Variety ¹	Yield % Check	Site Years Tested	Protein +/- Check	Days to Maturity +/- Check	Height +/- Check	Test Weight +/- Check	Resistance Level:								
							Lodging	Loose Smut	Surface -borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem ² Rust	Fusarium ³ Head Blight
Malting or Feed (% of AC Metcalfe)															
AC Metcalfe (2)☼	100	135	0	0	0	0	F	R	I	I	S	I	I	MR	I
Bentley (2)☼	108	37	-0.5	0	2	-0.8	G	MS	MR	I	MS	R	I	MR	MS
CDC Anderson (6)☼	102	10	-0.4	-1	-2	0	G	MR	R	I	MS	MR	R	MR	I
CDC Battleford (6W)☼	104	38	-0.1	1	-1	1.6	G	MS	MR	MR	MS	R	R	MR	S
CDC Copeland (2)☼	100	38	-0.3	0	2	-0.5	F	MS	I	I	I	I	S	MR	I
CDC Kamsack (6)☼	104	24	-0.2	0	2	-1	VG	I	R	MS	S	I	MR	MR	S
CDC Kendall (2)☼	102	1	-0.6	2	0	0.2	F	MS	MS	MR	I	MR	S	MS	I
CDC Kindersley (2)☼	106	14	-0.3	-1	-1	0	G	S	R	I	MS	MR	I	MR	I
CDC Mayfair (6)☼	110	37	-0.1	-1	3	-1.5	G	S	R	MS	MS	MR	I	MR	MS
CDC Meredith (2)☼	107	37	-0.5	2	-1	-2.1	F	R	MR	I	MS	R	MS	MR	I
CDC Polarstar (2)☼	99	10	0.0	-1	0	-0.6	F	S	R	MS	S	MR	MS	S	MR
CDC Reserve (2)☼	108	35	-0.6	0	-1	0	F	S	MS	I	S	R	I	MR	I
CDC YORKTON (6W)	105	2	0.1	0	5	-3	G	MS	MR	MR	I	MR	MR	MR	S
Celebration (6W)☼	108	31	0.5	-1	2	0	G	R	R	MS	S	MR	MR	I	MS
Cerveza (2)☼	113	27	-0.5	1	-2	-1.4	F	R	R	I	MS	MR	R	I	I
Excel (6W)	108	26	-0.2	-1	4	-1.7	F	MS	I	MR	S	I	MR	MR	S
Lacey (6W)☼	108	16	0.4	1	2	-0.7	G	I	MR	MR	S	I	MR	MR	S
LEGACY (6W)☼	107	13	0.4	-2	3	0	F	I	MR	MR	S	MR	MR	MR	MS
Major (2)☼	112	26	-0.4	0	-1	-0.7	G	R	MR	MS	I	MR	MR	MR	I
Merit 57 (2)☼	108	35	-0.4	3	-1	-1.9	F	S	I	MR	MS	R	MS	I	MS
Newdale (2)☼	111	25	-0.3	0	-1	-0.5	F	S	MR	MR	I	MR	I	MR	I
Norman (2)☼	103	25	0.1	-1	-1	-0.5	F	S	S	MS	MS	R	S	S	MR
Robust (6W)	97	78	0.4	1	4	-0.7	G	I	I	I	S	MS	MR	MR	S
Stellar-ND (6W)☼	103	30	-0.1	-2	2	0	G	MR	R	MS	S	I	MR	I	I
Tradition (6W)☼	108	33	0.2	2	4	0.8	F	S	MR	MR	S	I	MR	MR	S
Feed (% of AC Metcalfe)															
AC Lacombe (6)☼	115	11	—	0	-1	0.3	G	MS	MR	MS	MS	MR	I	MR	S
AC Ranger (6F)	106	4	0.1	1	-3	0.1	G	MS	I	MR	I	MR	MR	MR	S
AC Rosser (6)☼	119	21	—	3	-2	-1.7	F	MS	MR	MR	I	MR	MR	MR	S
Bedford (6)	102	23	—	1	-1	1	G	MS	I	MR	S	I	I	MR	I
CDC Austenson (2)☼	120	33	-0.8	1	0	0.5	G	S	R	I	MS	R	MR	I	I
CDC Coalition (2)☼	106	37	-0.5	1	2	0.8	VG	R	MR	I	S	MR	I	MR	I
CDC Cowboy (2F)☼	97	47	0.3	1	6	1.3	G	MS	MR	I	I	MR	I	MR	MR

BARLEY (continued)

Variety ¹	Yield % Check	Site Years Tested	Protein +/- Check	Days to Maturity +/- Check	Height +/- Check	Test Weight +/- Check	Resistance Level:								
							Lodging	Loose Smut	Surface -borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem ² Rust	Fusarium ³ Head Blight
CDC Helgason (2)☼	104	1	-0.2	-1	0	0.8	G	R	MR	I	MR	MR	I	I	MS
CDC Mindon (2)☼	100	49	0.0	1	-1	0.3	G	R	R	—	S	MR	I	I	MR
CDC Trey (2)☼	108	48	-0.3	0	2	0.3	G	MS	R	MR	I	R	I	MR	I
Champion (2)☼	117	39	-0.5	0	0	0.8	G	S	R	—	S	I	MS	I	I
Chigwell (6)☼	106	37	-0.5	0	0	-1.6	G	MS	R	S	I	MR	MR	S	S
CONLON (2)☼	95	57	-0.1	-1	-1	0.8	G	I	I	I	I	MR	MS	MR	MR
Desperado (6F)☼	111	39	-0.2	1	2	2.5	G	MS	R	MR	S	MR	MR	MR	S
Gadsby (2)☼	93	10	0.2	0	3	0.1	F	R	R	I	MS	MR	S	MR	I
Muskwa (6)☼	107	10	-0.1	0	-5	1.3	G	MS	R	MS	MS	MR	MR	MR	S
Stander (6W)	107	22	—	1	0	-1.3	G	MS	MS	I	S	MR	MR	MR	S
Sundre (6)☼	87	4	-0.3	—	—	—	G	MS	R	MS	MS	I	I	I	S
Viriden (6F)	122	1	—	2	1	-2.5	VG	MS	I	MR	MS	MR	MR	MR	S
Vivar (6)☼	108	3	-0.1	0	-4	1.3	VG	I	R	MR	R	MR	I	MR	S
XENA (2)	113	1	—	0	0	0.3	G	MS	MS	MR	S	I	S	MR	MR
Hulless (% of AC Metcalfe)															
CDC Carter (2)☼	95	32	0.4	1	0	8	F	R	R	S	I	MR	I	I	I
CDC ExPlus (2)☼	88	21	-0.1	0	-1	9	G	MS	MS	S	I	I	I	I	MR
CDC Lophy-I (2)	83	11	0.2	-1	0	8	G	R	MR	MS	I	I	I	I	MR
CDC McGwire (2)☼	88	4	-0.2	1	0	9	F	MS	MR	MR	I	MR	I	I	MR
Taylor (2)☼	84	26	0.1	0	0	8	G	R	I	MS	MS	MR	I	MR	MR
Varieties that have been supported for registration															
Feed															
TR07728 (2)☼	115	27	-0.5	0	-2	0.5	G	MS	R	MR	S	I	S	MS	I
Hulless															
HB08304 (2)	96	10	-0.7	2	2	9	F	R	R	I	MS	R	I	MR	MR
CHECK CHARACTERISTICS															
AC Metcalfe	93	135	12.6%	88	35	48.7									
	bu/acre	site years	protein	days	inches	lb/bu									

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

Yield Comparisons

Variety	2011 Average Yield	Site Years Tested	2011 Yield: % of AC Metcalfe									
			Arborg	Boissevain	Dauphin	Hamiota	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Malt or Feed												
AC Metcalfe☼	100	11	100	100	100	100	100	100	100	100	100	100
Bentley☼	104	11	116	76	123	103	97	112	88	97	104	98
CDC Anderson☼	102	10	109	101	107	103	91	120	112	87	114	92
CDC Copeland☼	114	1	—	—	—	—	—	—	—	—	114	—
CDC Kindersley☼	106	10	112	124	117	116	99	100	105	94	99	97
CDC Mayfair☼	105	11	107	103	113	103	94	124	120	89	111	84
CDC Meredith☼	106	11	118	115	117	104	99	115	88	108	99	103
CDC Polarstar☼	99	10	100	97	105	109	93	105	94	105	101	80
CDC Reserve☼	106	10	118	83	116	108	98	115	112	108	98	92
Celebration☼	105	11	89	118	110	111	94	112	113	91	106	89
Cerveza☼	105	11	110	96	107	116	103	88	138	94	97	96
Major☼	107	10	114	103	111	109	109	111	104	92	124	94
Stellar-ND☼	102	11	99	96	110	115	94	112	102	80	92	96
Feed												
CDC Austenson☼	117	11	114	110	123	129	127	116	125	113	112	113
CDC Mindon☼	97	1	—	—	—	—	—	—	—	—	97	—
Chigwell☼	98	11	116	106	95	107	88	97	90	89	106	81

Variety	2011 Average Yield	Site Years Tested	2011 Yield: % of AC Metcalfe									
			Arborg	Boissevain	Dauphin	Hamiota	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Gadsby☼	93	10	102	81	98	95	87	83	98	105	94	84
Muskwa☼	107	10	113	97	107	123	99	106	127	101	109	94
Hulless												
CDC Carter☼	93	10	87	80	96	100	89	96	102	99	89	88
CDC ExPlus☼	89	10	75	101	79	98	108	80	108	84	92	77
Taylor☼	72	10	75	72	71	76	84	59	98	67	69	58
Varieties that have been supported for registration												
Feed												
TR07728☼	120	11	122	127	138	129	105	129	115	109	119	106
Hulless												
HB08304	96	10	101	90	110	97	94	87	118	88	92	85
CHECK YIELD	AC Metcalfe (bu/ac)		104	46	96	93	101	70	54	93	71	110
	CV %		5.2	6.3	6.3	6.5	7.1	7.6	11.1	7.5	5.7	7.6
	LSD %		9	10	11	11	12	13	20	12	9	11
	Sign Diff		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Protein Comparisons

Variety	2011 Average % Protein	Site Years Tested	2011 % Protein									
			Arborg	Boissevain	Dauphin	Hamiota	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Malt or Feed												
AC Metcalfe🌾	13.5	11	12.7	16.5	13.5	13.5	13.7	12.5	13.4	11.7	12.1	14.2
Bentley🌾	12.8	11	11.8	15.4	12.6	13.2	12.6	12.4	12.8	11.4	11.5	13.3
CDC Anderson🌾	13.0	10	12.2	16.0	12.3	12.8	13.5	12.6	13.5	11.3	11.5	14.1
CDC Copeland🌾	11.4	1	—	—	—	—	—	—	—	—	11.4	—
CDC Kindersley🌾	13.1	10	12.5	15.9	12.7	12.9	13.3	12.9	13.1	11.7	12.0	13.6
CDC Mayfair🌾	13.3	11	12.3	15.8	12.7	12.6	13.9	13.1	13.9	12.1	11.8	13.7
CDC Meredith🌾	13.0	11	11.7	15.9	12.8	13.0	13.3	12.5	12.8	11.1	11.3	13.8
CDC Polarstar🌾	13.4	10	12.5	16.6	13.8	13.3	13.9	12.9	13.2	11.6	11.7	14.0
CDC Reserve🌾	12.9	9	11.2	15.7	12.6	12.7	13.0	12.3	12.6	11.6	—	14.0
Celebration🌾	14.1	11	13.1	16.0	13.6	13.8	15.0	13.3	14.7	13.0	12.7	14.6
Cerveza🌾	12.9	10	12.1	12.4	12.6	—	13.2	13.2	13.1	12.0	11.7	14.0
Major🌾	12.9	10	12.1	15.6	12.7	13.2	13.6	11.6	13.0	11.4	11.6	13.9
Stellar-ND🌾	13.2	11	12.7	14.1	12.8	12.3	13.9	13.6	13.6	12.0	12.2	13.9
Feed												
CDC Austenson🌾	12.6	11	11.8	15.5	12.6	12.5	12.8	11.6	12.7	10.8	11.7	13.3
CDC Mindon🌾	12.1	1	—	—	—	—	—	—	—	—	12.1	—
Chigwell🌾	13.0	11	11.8	14.9	11.5	13.1	13.3	13.2	13.5	11.8	11.7	14.3
Gadsby🌾	13.6	10	12.3	15.8	12.9	14.5	14.6	14.1	13.9	11.5	11.8	14.9
Muskwa🌾	13.2	10	11.9	16.1	12.8	13.1	13.7	12.5	13.6	12.5	11.9	14.3
Hulless												
CDC Carter🌾	13.5	9	11.8	—	14.1	14.4	14.7	13.3	14.9	11.5	11.7	15.4
CDC ExPlus🌾	13.4	10	12.5	16.9	12.8	12.9	13.2	13.9	13.2	11.9	12.3	14.5
Taylor🌾	14.3	9	12.5	18.3	14.8	—	13.5	14.6	14.2	12.6	13.0	15.0
Varieties that have been supported for registration												
Feed												
TR07728🌾	13.0	11	11.7	16.2	13.2	12.5	13.3	12.2	13.1	11.8	11.6	13.5
Hulless												
HB08304	12.7	10	11.5	17.0	12.7	12.8	12.3	13.3	12.5	10.2	10.9	14.0

2012-13 Canadian Malting Barley Technical Centre Recommendations

These recommendations are based on the varieties expected to be selected by grain and malting companies for both domestic and export markets from the 2012 harvest. Seeding decisions should be based on agronomic considerations and feedback from your grain company representative, local elevator operators and malting companies. This list is published on behalf of the members of the CMBTC, and other companies that have provided their input. Varieties not listed are not recommended. The varieties are listed in descending order to the amount selected in 2011.

Recommended Two-Row Barley Varieties

VARIETY	SOURCE	DOMESTIC	EXPORT	MARKET DEMAND
AC Metcalfe	4	Established	Established	Stable Demand
CDC Copeland	4	Established	Established	Stable Demand
CDC Polarstar †	5	Limited	Limited	Stable Demand
Newdale	3	Established	Limited	Increasing Demand
CDC Meredith	4	Limited	Limited	Increasing Demand

Bentley, Major, Merit 57, Norman, Cerveza, CDC Kindersley and CDC Reserve are not yet being grown for the commercial market. Production is limited to quantities required for testing and market development. †CDC Polarstar is available only through a closed loop Identity Preserved program offered by Prairie Malt Limited/Sapporo Breweries and their agents.

Recommended Six-Row Barley Varieties

VARIETY	SOURCE	DOMESTIC	EXPORT	MARKET DEMAND
Legacy	1,2,3	Established	Established	Stable Demand
Stellar-ND	5	Limited	Limited	Stable Demand
Tradition	1,2,3	Established	Established	Declining Demand

Celebration, Innovation, CDC Mayfair and CDC Anderson are not yet being grown for the commercial market. Production is limited to quantities required for testing and market development. Please talk to your local malting company selector in regards to demand for CDC Battleford, Lacey and Robust.

The CMBTC recommends the use of Certified seed to ensure varietal purity and to increase opportunity for selection.

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

1-Viterra; 2- BARI-Canada; 3-FP Genetics; 4-SeCan; 5-CANTERRA SEEDS

Domestic as used in this publication, means barley selected for domestic processing into malt to supply domestic brewers as well as for malt destined for export. Export is that malting barley designated for markets outside of Canada including the U.S., shipped as unmalted grain

OATS

New for 2012

Variety	Code	Breeder	Distributor	Seed Availability
CDC Big Brown☉	OT3037	Crop Development Centre	SeCan	2014
CDC Morrison☉	OT3044	Crop Development Centre	CANTERRA SEEDS	2014
CDC Seabiscuit☉	OT3036	Crop Development Centre	CANTERRA SEEDS	2013

Varieties that are being tested or proposed for registration

OT2069☉ AAFC (Winnipeg)

Comments:

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

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☉ is exceptionally high in beta-glucan fibre and is available for contract identity preserved production.

The supported line **OT2069☉** appears to have improved resistance to Fusarium Head Blight, based on lower DON accumulation, in comparison with other recently registered varieties.

Variety Descriptions

Variety	Yield %	Site Years Tested	% Protein +/- Check	Days to Maturity +/- Check	Height +/- Check	Test Weight +/- Check	% Hull	Hull Colour	Resistance Level:				
									Lodging	Smut	Crown Rust	Stem ¹ Rust	BYD ²
AC Morgan	94	24	-1.6	-1	6	-1.0	25.2	White	G	I	S	S	MS
Bradley☉	98	30	-0.7	2	3	—	—	White	G	R	MS	MS	MS
CDC Big Brown☉	98	18	-0.8	-1	1	0	20.4	Tan	G	R	R	MS	MS
CDC Dancer☉	90	24	-0.7	-3	5	0.5	19.6	White	G	R	I	I	MS
CDC Minstrel☉	103	40	-2.1	0	3	-0.2	22.3	White	VG	R	MS	I	MS

Variety	Yield % Check	Site Years Tested	% Protein +/- Check	Days to Maturity +/- Check	Height +/- Check	Test Weight +/- Check	% Hull	Hull Colour	Resistance Level:				
									Lodging	Smut	Crown Rust	Stem ¹ Rust	BYD ²
CDC Morrison	92	5	-0.4	-2	-1	-1.0	24.4	White	VG	R	R	I	I
CDC ProFi	92	38	-0.2	-3	1	-1.0	20.0	White	G	MS	S	I	MS
CDC Seabiscuit	105	12	-1.1	0	6	-0.5	20.1	White	G	MR	S	I	S
CDC Weaver	92	35	-0.9	-1	5	-1.0	19.0	White	F	R	S	I	MS
Furlong	91	54	-1.0	-1	8	0.5	20.3	Tan	G	R	S	I	MR
HiFi	101	50	-0.4	-3	6	0	24.7	White	G	MS	R	I	MR
Jordan	100	50	-2.1	2	3	-2.0	23.6	White	VG	R	I	I	MR
Leggett	100	86	0	0	0	0	23.0	White	G	R	R	I	MS
Pinnacle	107	35	-1.8	3	4	-1.2	23.7	White	G	R	S	I	MS
Ronald	87	29	-1.1	0	1	0	22.1	White	VG	R	S	I	MR
Souris	99	40	-0.6	-4	0	0.5	20.9	White	G	R	R	MR	MS
Stainless	96	25	-0.3	-3	5	-0.5	22.4	Light Grey	G	R	R	MR	MR
Summit	106	40	-0.8	0	-1	0.5	20.8	White	G	R	R	I	I
Triactor	112	41	-1.1	-1	3	-1.5	22.1	White	VG	I	MR	S	MS
Varieties that have been supported for registration													
OT2069	104	12	0.2	-2	5	0.6	23.7	White	VG	R	R	MS	I
CHECK CHARACTERISTICS													
Leggett	136	86	13.3%	96	33	39.3							
	bu/acre	site years	protein	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.

Yield Comparisons

Variety	2011 Average Yield	Site Years Tested	2011 Yield: % of Leggett											
			Arborg	Beausejour	Boissevain	Dauphin	Hamiota	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill	Winnipeg
Bradley	105	13	89	118	124	101	106	98	126	101	92	104	118	98
CDC Big Brown	99	13	90	117	89	108	93	84	104	83	111	93	112	107
CDC Minstrel	111	13	111	127	123	108	95	95	111	97	109	108	136	109
CDC ProFi	97	11	88	116	119	95	89	80	98	81	83	101	120	—
CDC Seabiscuit	105	12	85	112	110	100	111	109	97	109	107	111	111	109
Furlong	100	2	—	—	—	—	—	—	—	—	—	107	—	—
Leggett	100	13	100	100	100	100	100	100	100	100	100	100	100	100
Summit	111	13	108	97	147	97	118	104	116	100	102	102	165	101
Triactor	104	2	—	—	—	—	—	—	—	—	—	117	—	—
Varieties that have been supported for registration														
OT2069	104	12	97	107	98	112	100	104	93	112	112	108	103	106
CHECK YIELD	Leggett (bu/ac)		137	100	96	145	160	90	131	108	130	72	134	119
	CV %		4.1	4.6	4.7	5.4	4.9	4.1	5.0	3.4	4.2	4.9	9.1	5.7
	LSD %		7	9	13	—	9	7	9	6	8	9	20	10
	Sign Diff		Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Protein Comparisons

Variety	2011 Average % Protein	Site Years Tested	2011 % Protein											
			Arborg	Beausejour	Boissevain	Dauphin	Hamiota	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill	Winnipeg
Bradley	14.7	11	—	16.4	15.5	13.7	14.6	16.3	14.0	14.8	14.0	13.8	13.4	—
CDC Big Brown	14.9	11	—	15.8	15.6	13.7	14.6	16.9	14.0	15.7	14.2	13.4	13.2	—
CDC Minstrel	13.0	11	—	14.9	12.4	12.3	12.0	14.4	12.7	12.1	13.1	12.5	12.9	—
CDC ProFi	15.4	10	—	17.8	16.0	14.3	15.3	17.5	15.6	15.1	14.1	14.3	14.2	—
CDC Seabiscuit	14.5	10	—	16.8	15.2	13.7	13.5	16.3	14.5	14.0	14.1	13.3	13.5	—
Furlong	14.9	2	—	—	—	—	—	—	—	—	—	14.2	—	—
Leggett	15.7	11	—	17.6	16.3	14.5	16.0	17.1	15.3	15.8	15.3	14.3	13.8	—
Summit	14.6	11	—	17.0	14.9	13.7	14.4	15.5	14.2	14.0	13.6	13.9	13.6	—
Triactor	14.9	2	—	—	—	—	—	—	—	—	—	13.7	—	—
Varieties that have been supported for registration														
OT2069	15.8	10	—	18.3	16.6	15.1	15.9	17.4	16.3	15.4	14.7	14.2	13.7	—

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.

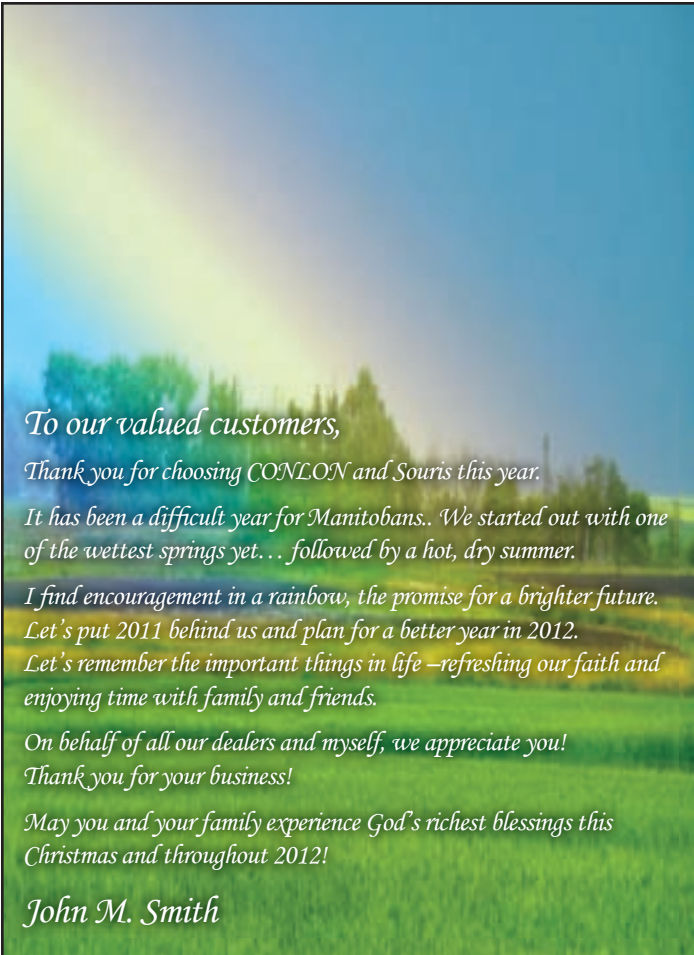
Crown rust races capable of attacking varieties with the Pc68 gene are now prevalent in Manitoba. This has resulted in varieties being redefined as Susceptible (S) for Crown Rust resistance. Early seeding may reduce the likelihood of severe infection.

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.



To our valued customers,

Thank you for choosing CONLON and Souris this year.

It has been a difficult year for Manitobans.. We started out with one of the wettest springs yet... followed by a hot, dry summer.

I find encouragement in a rainbow, the promise for a brighter future.

Let's put 2011 behind us and plan for a better year in 2012.

Let's remember the important things in life –refreshing our faith and enjoying time with family and friends.

On behalf of all our dealers and myself, we appreciate you!

Thank you for your business!

May you and your family experience God's richest blessings this Christmas and throughout 2012!

John M. Smith

New Souris Oats

• Shorter • Heavier • Earlier

"Working Hard To Earn Your Trust"

John M. Smith	Seed Depot	825-2000
Agassiz Seed Farm Ltd.	Homewood, MB	745-2868
Bergen Seed Farm	Sanford, MB	736-2278
Boissevain Select Seeds	Boissevain, MB	534-6846
Clearview Acres	Virden, MB	748-2666
Court Seeds	Plumas, MB	386-2354
Darcey Miller	Oakville, MB	267-2363
Durand Seeds Inc	Notre Dame, MB	248-2268
Ellis Seeds	Wawanesa, MB	824-2290
ENS Farm Ltd.	Winkler, MB	325-4658
Fisher Seeds	Dauphin, MB	622-8800
Friesen Seeds Ltd.	Morris, MB	746-8325
Froese Seed	Altona, MB	324-5037
Gagnon Seed Service	Ste. Rose Dulac, MB	447-2118
Hulme Agri Products Inc.	MacGregor, MB	685-2627
Manness Seeds	Domain, MB	736-2622
Nadeau Reliable Seed Service	Fannystelle, MB	436-2469
Nickel Bros.	Solsgirth, MB	842-3786
Pedigreed By Penner	Lowe Farm, MB	829-3556
Pitura Seed Service	Domain, MB	736-2849
Pugh Seeds Ltd.	Portage, MB	274-2179
R-Way Ag. Ltd.	St. Claude, MB	379-2582
Redsper Ent.	Rivers, MB	328-5346
Sask-Can Parent	St Joseph	737-3004
Seine River Seeds	St. Anne, MB	355-4495
Shanawan Farms Ltd.	Domain, MB	736-2951
Smith Seeds	Crystal City, MB	873-2248
Southern Seeds Ltd	Minto	776-2333
Swan Valley Seeds	Swan River, MB	734-2526
Timchishen Seeds	Arborg, MB	376-5116
Triple "S" Seeds	Grandview, MB	546-2590
Wheat City Seeds	Brandon, MB	727-3337
Wilson Seeds Ltd.	Darlingford, MB	246-2388



✓ **Highest Yielding Oat in Yield MB 2009**
(MB Crop Ins. Real Farm Yields)

✓ **Shorter Oat on the Market!**

✓ **Heaviest test weight with smaller seed**

✓ **Earliest – 3-4 days earlier than Ronald or Leggett**

✓ **Best crown rust resistance**
✓ resistant to stem rust
✓ resistant to loose and covered smut

✓ **Accepted by all Oat millers, ...Recommended by Quaker**

Please consider booking early to insure supply



New for 2012

Variety	Class	Code	Breeder	Distributor	Seed Availability
5604HR CL	CWRS	BW878	Syngenta	Viterra	2011, Limited
CDC Stanley	CWRS	BW880	Crop Development Centre	Viterra	2011, Limited
CDC Utmost VB	CWRS	BW883	Crop Development Centre	FP Genetics	2012
Vesper VB	CWRS	BW415	AAFC (Winnipeg)	SeCan	2013
SY985	CPSR	HY985	Syngenta	Viterra & Richardson Pioneer	2013
Pasteur	CWGP	GP032	Wiersum Plant Breeding	SeCan	2012

Varieties that have been supported for registration

CWRS	BW433	Syngenta
CWHWS	HW024	AAFC (Winnipeg)

Comments:

The Canadian Grain Commission advises that the following wheat varieties belonging to the Canada Prairie Spring White (CPSW) class were deregistered effective April 28, 2011: **Snowwhite 475** and **Snowwhite 476**. Effective August 1, 2011, these varieties will only be eligible for the grade Wheat, Canada Western Feed.

The Canadian Grain Commission advises that the following wheat variety belonging to the Canada Western Red Spring (CWRS) class will be deregistered effective August 1, 2013: **Garnet**. After August 1, 2013, this variety will only be eligible for the grade Wheat, Canada Western Feed.

Producers are strongly encouraged to use a combination of the Canadian Food Inspection Agency's List of Registered Varieties (www.inspection.gc.ca) and the Canadian Grains Commission's Variety Designation Lists (www.grainscanada.gc.ca) to determine the registration and grade eligibility status of varieties.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Protein +/- Check	Days to Maturity +/-Check	Height +/-Check	Spike Awned	Resistance Level:						Fusarium ² Head Blight
							Lodging	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	
Canada Western Red Spring (% of AC Barrie)													
5602HR☼	111	89	0.3	1	0	Y	F	R	MR	I	R	R	MR
5603HR☼	111	28	-0.2	2	0	Y	G	MS	I	MR	MR	R	I
5604HR CL☼	108	27	0.1	-1	-1	Y	G	MS	I	MS	R	R	I
AC Barrie☼	100	217	0	0	0	N	G	MR	I	MS	MR	MS	I
AC Cadillac	105	41	—	-1	3	N	F	R	R	I	R	MR	I
AC Cora	99	37	—	-2	2	N	F	MR	R	MR	R	R	I
AC Domain	97	59	0.8	-2	-1	N	VG	R	I	S	R	I	MS
AC Intrepid☼	105	34	—	-4	-1	N	G	I	R	I	MR	MR	MS
AC Splendor	88	33	—	-5	0	N	F	I	I	I	R	MR	MS
Alvena☼	104	30	0.2	-2	0	N	G	MR	I	—	MR	I	MS
Carberry☼	105	27	0.2	2	-5	Y	VG	MR	R	MS	MR	R	MR
CDC Abound☼	101	42	-0.2	2	-4	Y	G	I	I	MS	R	MS	S
CDC Go	116	24	-0.3	-1	-2	Y	G	MS	I	S	R	I	MS
CDC Imagine☼	103	39	0.5	0	-1	N	G	MR	MR	MS	I	I	MS
CDC Kernen☼	105	15	0.5	1	1	Y	G	R	I	MS	MR	MR	I
CDC Stanley☼	99	11	0.4	0	-1	N	G	MR	S	I	R	MR	MS
CDC Teal	98	32	—	-3	0	N	G	MR	I	MS	MR	MR	S
CDC Thrive☼	99	15	0.3	-1	0	N	G	MR	I	I	MR	I	MS
CDC Utmost VB☼	111	11	0.2	-1	-1	N	G	MS	S	I	MR	R	MS
Fieldstar VB ☼	109	42	-0.1	0	1	Y	F	I	I	I	MR	R	I
Glenn☼	106	42	0.0	2	-2	Y	VG	I	I	I	R	R	I
Goodeve VB☼	106	52	0.2	-2	-1	N	VG	MR	S	MS	MR	MR	S
Harvest☼	108	60	-0.1	-1	-2	N	VG	MR	S	MS	R	MR	S
Infinity☼	105	37	0.4	-2	0	N	G	MR	MR	MS	MR	MR	S
KANE☼	107	66	0.0	1	-2	Y	G	MS	I	I	R	R	I
Lovitt☼	101	50	0.7	-1	0	N	G	R	MS	—	R	MR	S
McKenzie	110	36	—	-1	0	Y	F	S	R	I	R	R	I
Muchmore☼	107	27	-0.1	2	-6	Y	VG	MR	R	MS	R	R	MS
Shaw VB☼	111	27	-0.2	0	2	N	G	S	MR	MS	R	MR	MS
Somerset☼	104	38	0.6	-1	3	N	G	R	MS	MS	R	MR	MS
Stettler☼	102	39	0.2	1	-2	Y	G	R	MR	MS	MR	MS	MS
Superb☼	105	87	-0.1	2	-3	Y	VG	I	MR	MS	R	S	MS

SPRING WHEAT (continued)

Variety	Yield % Check	Site Years Tested	Protein +/- Check	Days to Maturity +/-Check	Height +/-Check	Spike Awned	Resistance Level:							Fusarium ² Head Blight
							Lodging	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust		
Unity VB☼	113	52	-0.3	0	0	Y	F	MS	R	I	MR	R	I	
Vesper VB☼	119	15	0.1	0	-1	Y	G	I	S	I	MR	R	I	
Waskada☼	107	42	0.0	1	2	Y	F	MR	R	MS	R	I	MR	
WR859 CL☼	106	39	0.0	0	-3	Y	G	R	R	MS	MR	R	MR	
Canada Prairie Spring Red														
5700PR☼	113	36	-1.1	3	-6	Y	VG	MS	R	MS	R	MR	S	
5702PR☼	112	30	-1.9	1	-4	Y	VG	MS	I	I	I	MR	MS	
AC Crystal☼	104	25	—	4	-4	Y	VG	I	R	S	R	MS	S	
AC Taber	113	26	—	5	-4	Y	VG	MS	R	MS	R	I	S	
Conquer VB☼	111	27	-1.6	2	-1	Y	G	MS	R	I	R	MR	MS	
SY985☼	112	15	-0.8	2	-6	Y	G	R	MR	I	R	R	I	
Canada Prairie Spring White														
AC Vista☼	120	31	—	2	-4	Y	VG	S	R	MS	R	MS	S	
Canada Western Extra Strong														
Burnside	101	50	0.0	-1	2	N	G	R	I	MS	R	R	S	
CDC Rama	107	45	-0.1	0	3	Y	G	R	R	MR	R	MR	I	
CDN Bison	111	37	-0.9	1	-2	Y	G	R	I	I	R	MR	I	
Glencross VB	107	41	-0.5	0	3	N	G	R	I	MS	R	MR	S	
Glenlea	106	36	—	0	4	N	G	R	I	MR	R	I	MS	
Canada Western Hard White Spring														
Snowbird☼	104	96	-0.7	0	0	N	G	MR	MS	MS	MR	I	I	
Snowstar☼	110	36	-1.1	-1	-4	N	VG	MS	S	MS	R	MR	MS	
Canada Western Soft White Spring														
AC Andrew	121	30	-3.8	4	-4	Y	VG	S	S	—	MR	S	I	
Sadash☼	124	35	-3.8	4	-2	Y	VG	MS	S	—	R	S	S	
Canada Western General Purpose														
CDC NRG003☼	119	15	-1.4	1	-4	Y	G	MS	R	MS	R	MS	S	
Minnedosa☼	117	39	-1.7	-1	-4	Y	G	I	R	MS	MR	R	MS	
NRG010☼	127	27	-2.0	4	-3	Y	VG	MS	R	I	R	R	MS	
Pasteur	134	11	-1.9	7	-3	N	VG	MS	S	I	MR	R	I	
Varieties that have been supported for registration														
Canada Western Red Spring														
BW433☼	100	10	0.5	2	1	Y	G	I	S	I	R	R	MR	
Canada Western Hard White Spring														
HW024☼	92	9	-0.4	-2	0	N	VG	I	MS	MS	I	R	MS	
CHECK CHARACTERISTICS														
AC Barrie	54	217	14.5%	99	37									
	bu/acre	site years	protein	days	inches									

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

			2011 Yield: % of AC Barrie									
Variety	2011 Average Yield	Site Years Tested	Arborg	Beausejour	Boissevain	Dauphin	Hamiota	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Canada Western Red Spring												
5604HR CL🌾	103	11	81	103	145	109	92	104	107	87	90	118
AC Barrie🌾	100	11	100	100	100	100	100	100	100	100	100	100
Carberry🌾	103	11	101	127	154	105	79	99	84	106	92	104
CDC Kernen🌾	101	11	91	104	123	90	101	97	127	109	92	107
CDC Stanley🌾	99	11	85	104	103	98	92	101	109	101	98	110
CDC Thrive🌾	101	11	91	104	123	90	101	97	127	109	92	107
CDC Utmost VB🌾	111	11	85	111	184	108	121	106	130	106	104	107
Glenn🌾	115	2	—	—	—	—	—	—	—	—	99	—
Goodeve VB🌾	106	11	115	107	175	91	98	94	108	87	89	125
KANE🌾	101	11	83	111	133	107	90	94	108	91	86	117
Muchmore🌾	106	11	93	126	121	112	82	102	80	104	99	131
Shaw VB🌾	109	11	102	110	165	103	110	103	113	109	99	118
Stettler🌾	99	11	100	111	103	105	95	86	87	102	94	114
Unity VB🌾	112	11	103	105	186	109	106	108	136	103	101	117
Vesper VB🌾	119	11	106	117	195	109	116	128	130	112	102	116
WR859 CL🌾	103	11	88	114	157	103	83	104	91	106	94	109
Canada Prairie Spring Red												
Conquer VB🌾	121	11	134	132	176	104	132	90	121	126	99	126
SY985🌾	111	11	125	129	110	109	98	98	106	115	87	129
Canada Western Soft White Spring												
Sadash🌾	131	11	152	147	210	139	139	102	107	134	113	96
Canada Western General Purpose												
CDC NRG003🌾	117	11	133	118	130	120	112	104	124	106	101	114
Minnedosa🌾	112	11	114	116	131	105	110	100	104	106	97	128
NRG010🌾	126	11	119	133	175	117	129	111	135	129	106	142
Pasteur	134	11	156	146	200	121	144	120	143	150	120	107
Varieties that have been supported for registration												
Canada Western Red Spring												
BW433🌾	100	10	80	116	117	107	89	100	107	97	86	113
Canada Western Hard White Spring												
HW024🌾	92	9	88	93	146	93	79	92	95	—	84	95
CHECK YIELD	AC Barrie (bu/ac)		61	60	22	71	57	49	38	44	61	60
	CV%		10.1	3.0	8.2	3.7	7.8	5.4	7.9	6.6	3.9	8.6
	LSD%		17	6	20	7	13	9	14	12	6	16
	Sign Diff		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

SPRING WHEAT (continued)

Protein Comparisons

Variety	2011 Average % Protein	Site Years Tested	2011 % Protein									
			Arborg	Beausejour	Boissevain	Dauphin	Hamiota	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Canada Western Red Spring												
5604HR CL☺	14.9	11	13.0	14.9	15.6	14.5	16.1	13.9	16.3	13.2	14.5	15.6
AC Barrie☺	14.6	11	12.7	14.7	16.2	14.7	15.3	13.7	15.8	13.5	12.6	15.4
Carberry☺	15.1	11	12.9	14.9	15.3	16.0	16.4	14.5	16.8	14.9	13.5	15.6
CDC Kernen☺	15.0	11	13.1	15.0	16.0	15.4	16.3	14.6	15.5	14.3	13.5	15.3
CDC Stanley☺	15.0	11	12.5	14.7	15.7	15.6	16.4	14.2	16.0	14.1	13.8	15.4
CDC Thrive☺	14.8	11	12.7	14.8	16.3	15.1	15.8	14.0	16.1	13.9	12.4	15.5
CDC Utmost VB☺	14.8	11	12.4	14.6	15.1	15.5	15.4	14.4	15.4	14.5	13.7	15.5
Glenn☺	14.8	2	—	—	—	—	—	—	—	—	13.7	—
Goodeve VB☺	15.1	11	12.1	15.3	15.6	16.1	15.8	14.2	16.2	14.1	13.9	16.3
KANE☺	14.9	11	13.2	14.6	15.5	15.2	16.3	14.4	15.4	14.5	13.5	15.4
Muchmore☺	14.5	11	12.4	14.3	15.4	14.6	15.9	13.5	16.6	14.3	12.6	14.9
Shaw VB☺	14.5	10	12.1	14.2	15.3	15.3	15.6	14.0	15.5	14.1	12.9	15.7
Stettler☺	15.1	11	12.6	15.1	16.2	15.0	16.2	14.4	16.4	13.7	13.8	15.5
Unity VB☺	14.5	11	12.2	14.2	15.4	15.4	15.1	14.1	15.3	14.2	12.5	15.2
Vesper VB☺	14.7	11	12.5	14.7	15.2	15.9	14.9	14.3	15.6	14.1	13.1	15.5
WR859 CL☺	14.7	11	12.4	14.8	15.4	15.1	16.1	14.8	16.1	13.6	12.9	15.5
Canada Prairie Spring Red												
Conquer VB☺	13.0	11	11.8	13.6	14.5	12.7	12.8	13.8	12.6	12.3	12.5	12.8
SY985☺	14.0	11	12.8	13.8	15.2	14.1	14.8	14.3	14.8	12.6	12.8	13.9
Canada Western Soft White Spring												
Sadash☺	11.5	10	—	11.8	11.6	11.3	11.0	11.3	10.7	12.6	11.7	10.9
Canada Western General Purpose												
CDC NRG003☺	13.1	11	11.3	13.4	14.1	13.5	14.0	12.2	14.2	13.0	11.3	13.6
Minnedosa☺	13.2	11	11.5	13.5	14.1	13.4	14.0	12.4	14.2	12.7	11.9	13.7
NRG010☺	12.4	11	10.8	12.3	13.6	12.6	13.3	11.9	13.2	11.8	10.9	12.6
Pasteur	12.7	11	10.9	12.9	13.6	13.0	13.3	12.7	12.6	12.0	11.7	12.9
Varieties that have been supported for registration												
Canada Western Red Spring												
BW433☺	14.9	10	12.6	15.7	16.2	15.2	16.2	13.7	16.1	13.9	13.5	16.1
Canada Western Hard White Spring												
HW024☺	14.1	9	12.1	13.8	14.8	15.3	15.5	13.2	15.5	—	11.4	15.1

DURUM WHEAT

Comments:

Durum wheat was last tested in 2010.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	% Protein +/- Check	Days to Maturity +/- Check	Height +/- Check	Spike Awned	Resistance Level:						
							Lodging	Loose Smut	Bunt	Leaf ¹ Spot	Stem Rust	Leaf Rust	Fusarium ² Head Blight
Brigade☺	118	18	-1.2	2	2	Y	G	S	R	I	R	R	MS
CDC Verona☺	105	18	-0.3	2	0	Y	G	MS	R	MS	R	R	MS
Enterprise☺	107	12	-0.4	0	1	Y	F	MS	MR	I	R	R	MS
Eurostar☺	107	18	-0.5	2	2	Y	F	S	R	I	R	R	MS
Kyle	90	28	-0.3	2	5	Y	F	MS	R	MR	R	R	S
Strongfield☺	100	46	0	0	0	Y	G	S	MR	I	R	R	S
Transcend☺	111	6	-0.4	2	3	Y	G	S	R	I	R	R	MS
CHECK CHARACTERISTICS													
Strongfield☺	61 bu/acre	46 site years	14.5% protein	101 days	35 inches								

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.

Sclerotinia the hard way.

Sclerotinia is a costly disease for canola growers. Provincial disease surveys* indicate that **82%** of prairie acres are affected by it. Losses can easily top **\$30** per acre... almost **\$5000** per quarter section. Spraying to control sclerotinia is expensive and uncertain because it depends on critical timing.



Or the easy way.

There's a simple, certain and effective way to limit these losses. Plant canola seed with the Pioneer Protector® Sclerotinia trait. It puts your first line of defense against this costly disease right into the seed, to help protect your yield potential through to harvest. Control sclerotinia the easy way: **Pioneer Protector**.



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*Average number based on 88% affected in Manitoba, 91% in Saskatchewan and 64% in Alberta. Results from the Provincial Disease Surveys, 2010.

Field results show that Pioneer Protector® Sclerotinia resistance can reduce the incidence of sclerotinia in a canola crop by over 50%. Individual results may vary. Depending on environmental and agronomic conditions, growers planting Pioneer Protector Sclerotinia resistant hybrids may still require a fungicide application to manage sclerotinia in their crop.

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WINTER WHEAT

New for 2012

Variety	Class	Code	Breeder	Distributor	Seed Availability
Flourish☼	CWRW	W434	AAFC (Lethbridge)	SeCan	2014
Moats☼	CWRW	S01-285-7*R	Department of Plant Sciences, U of S	SeCan	2014

Varieties that have been supported for registration

CWRW	DH00W31N*34	Department of Plant Sciences, U of M
CWGP	DH99W18I*45	Department of Plant Sciences, U of M
CWGP	DH99W19H*16	Department of Plant Sciences, U of M

Comments:

The Canadian Grain Commission has announced the varieties **CDC Kestrel**, **CDC Clair**, **CDC Harrier** and **CDC Raptor** will be moved from the Canada Western Red Winter class to the Canada Western General Purpose class August 1, 2013.

The Canadian Grain Commission plans to move **CDC Falcon** from the Canada Western Red Winter class to the Canada Western General Purpose class as of August 1, 2014, a year later than originally schedule. The transition period of **CDC Falcon** may be extended beyond August 1, 2014 if insufficient supplies of a new replacement variety with similar agronomic factors are commercially available.

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

The new variety **Flourish**☼ has improved resistance to Common Bunt over the currently available varieties.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	% Protein + / - Check	Days to Maturity + / - Check	Height + / - Check	Resistance Level:					
						Lodging	Common Bunt	Stem rust	Leaf rust	Fusarium ¹	Relative ²
										Head Blight	Winter Hardiness
Canada Western Red Winter											
CDC Buteo	100	63	-0.1	4	4	G	MS	I	I	I	VG
CDC Falcon	100	75	0	0	0	VG	MS	MR	MR	S	F
CDC Harrier	102	44	-1.0	4	8	G	MS	MR	MS	S	G
CDC Raptor	98	64	-0.2	4	3	VG	S	R	I	S	G
Flourish☼	99	6	0.2	0	2	VG	MR	I	I	—	F
McClintock☼	98	69	0.2	5	7	VG	MS	R	MR	S	F
Moats☼	102	6	0.4	0	6	G	MS	R	R	—	—
Canada Western General Purpose											
Accipiter☼	104	21	-0.4	3	3	VG	S	R	MR	—	G
Broadview☼	105	15	-0.4	1	2	VG	S	R	R	—	G
CDC Ptarmigan	104	36	-1.7	3	8	F	S	S	S	—	G
Peregrine☼	107	21	-0.5	2	10	G	S	I	MR	—	VG
Sunrise	110	15	-1.0	4	6	G	S	MR	MR	—	G
Varieties that have been supported for registration											
Canada Western Red Winter											
DH00W31N*34	106	15	-0.1	2	7	G	S	R	R	MS	F
Canada Western General Purpose											
DH99W18I*45	108	21	-0.1	2	6	VG	S	MR	R	—	F
DH99W19H*16	103	15	0.1	1	1	VG	S	R	R	MS	VG
CHECK CHARACTERISTICS											
CDC Falcon	81	75	11.1%		26						
	bu/acre	site years	protein		inches						

1 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 limited testing or performance in commercial fields.

2 All registered varieties have similar (good) winter hardiness if seeded at the optimum date into standing stubble where good snow cover can be assured. For the newer varieties of Flourish and Moats, 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

Variety	2011 Average Yield	Site Years Tested	2011 Yield: % of CDC Falcon					
			Arborg	Boissevain	Carman	Roblin	Stonewall	Winnipeg
Canada Western Red Winter								
CDC Buteo	95	6	102	101	82	93	97	98
CDC Falcon	100	6	100	100	100	100	100	100
Flourish☼	99	6	96	103	100	98	97	102
McClintock☼	98	6	102	99	89	125	83	94
Moats☼	102	6	104	97	92	124	94	104
Canada Western General Purpose								
Accipiter☼	103	6	107	100	96	114	92	108
Broadview☼	106	6	107	111	107	102	99	110
CDC Ptarmigan	94	6	104	115	78	101	92	82
Peregrine☼	105	6	106	104	101	123	87	108
Sunrise	101	6	99	111	92	105	93	110
Varieties that have been supported for registration								
Canada Western Red Winter								
DH00W31N*34	106	6	106	87	106	131	93	106
Canada Western General Purpose								
DH99W18I*45	110	6	100	90	102	143	112	111
DH99W19H*16	102	6	110	109	98	105	81	110
CHECK YIELD	CDC Falcon (bu/ac)		68	61	92	76	73	85
	CV %		6.1	4.8	4.3	6.4	4.7	8.7
	LSD %		—	12	8	8	15	7
	Sign Diff		No	Yes	Yes	Yes	Yes	Yes

Protein Comparisons

Variety	2011 Average % Protein	Site Years Tested	2011 % Protein					
			Arborg	Boissevain	Carman	Roblin	Stonewall	Winnipeg
Canada Western Red Winter								
CDC Buteo	10.9	6	10.0	12.0	12.4	11.4	11.1	8.4
CDC Falcon	11.1	6	10.1	11.9	12.4	11.8	11.4	8.9
Flourish☼	11.3	6	10.1	12.4	12.6	11.8	11.5	9.3
McClintock☼	11.5	6	9.8	13.1	13.2	11.6	11.6	9.9
Moats☼	11.5	6	9.8	12.5	13.1	12.0	12.1	9.7
Canada Western General Purpose								
Accipiter☼	10.8	6	9.3	11.8	12.3	11.4	11.4	8.7
Broadview☼	10.6	6	9.6	11.7	11.9	11.3	10.7	8.3
CDC Ptarmigan	9.3	6	7.7	10.8	10.1	9.8	9.5	7.6
Peregrine☼	10.8	6	9.9	12.3	12.3	10.9	11.1	8.5
Sunrise	10.2	6	8.6	11.7	10.7	11.3	10.8	8.1
Varieties that have been supported for registration								
Canada Western Red Winter								
DH00W31N*34	11.2	6	9.7	12.2	13.0	11.8	11.7	8.8
Canada Western General Purpose								
DH99W18I*45	11.1	6	10.3	11.8	12.2	11.9	11.5	9.1
DH99W19H*16	11.2	6	9.8	12.7	12.2	12.3	11.6	8.3

FALL RYE

Comments:

Fall Rye was last tested in 2009.

All fall rye varieties have good winter survival.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Height + / - Check	Resistance Level:		
				Lodging	Shattering	Ergot
AC Remington	93	26	-10	VG	VG	MS
AC Rifle	86	26	-11	VG	VG	MS
Hazlet	110	26	-4	G	G	MS
Prima	100	26	0	F	F	MS
CHECK CHARACTERISTICS						
Prima	97 bu/acre	26 site years	45 inches			

TRITICALE

Comments:

Triticale was last tested in 2000.

Triticale is used in Canada both as a food and livestock feed. Seed yield is generally higher than Glenlea wheat but protein content is slightly lower. The newer available varieties, although susceptible, have reduced incidence of ergot compared to nonregistered varieties and rye.

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

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Days to Maturity +/- Check	Height +/- Check	Resistance Level:				
					Lodging	Stem Rust	Leaf Rust	Bunt	Fusarium ¹ Head Blight
AC Alta	102	22	-1	-7	G	R	R	R	—
AC Certa	101	22	-3	-2	G	R	R	R	I
AC Copia	92	18	-2	-3	G	R	R	R	—
AC Ultima	104	5	-4	-4	G	R	R	R	I
Banjo	100	32	0	0	G	R	R	R	—
Pronghorn	97	17	-4	-2	G	R	R	R	MR
SANDRO	105	20	-3	-6	G	R	R	R	—
CHECK CHARACTERISTICS									
Banjo	62 bu/acre	32 site years	100 days	42 inches					

¹ Fusarium head blight (FHB) infection is highly influenced by environment and heading date. Data on varietal reaction to FHB is limited and should be used with caution. Under high levels of the disease all varieties will sustain damage.

Distributor Contacts for Varieties in Seed Manitoba 2012

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 or Feed

AC Metcalfe (2)☎	SeCan
Bentley (2)☎	CANTERRA SEEDS
CDC Anderson (6)☎	SeCan
CDC Battleford (6W)☎	SeCan
CDC Copeland (2)☎	SeCan
CDC Kamsack (6)☎	CANTERRA SEEDS
CDC Kendall (2)☎	Viterra
CDC Kindersley (2)☎	SeCan
CDC Mayfair (6)☎	CANTERRA SEEDS
CDC Meredith (2)☎	SeCan
CDC Polarstar (2)☎	CANTERRA SEEDS
CDC Reserve (2)☎	SeCan
CDC YORKTON (6W)☎	CANTERRA SEEDS
Celebration (6W)☎	CANTERRA SEEDS
Cerveza (2)☎	Mastin Seeds
Excel (6W)☎	Viterra
Lacey (6W)☎	Alliance Seed Corporation
LEGACY (6W)☎	Viterra/FP Genetics
Major (2)☎	Viterra
Merit 57 (2)☎	CANTERRA SEEDS
Newdale (2)☎	FP Genetics
Norman (2)☎	FP Genetics
Robust (6W)☎	Crop Development Centre
Stellar-ND (6W)☎	CANTERRA SEEDS
Tradition (6W)☎	Viterra/FP Genetics

Feed

AC Lacombe (6)☎	SeCan
AC Ranger (6F)☎	FP Genetics
AC Rosser (6)☎	SeCan
Bedford (6)☎	SeCan
CDC Austenson (2)☎	SeCan
CDC Coalition☎	CANTERRA SEEDS
CDC Cowboy (F)☎	SeCan
CDC Helgason (2)☎	SeCan
CDC Mindon (2)☎	SeCan
CDC Trey (2)☎	FP Genetics
Champion (2)☎	Viterra
Chigwell (6)☎	SeCan
CONLON (2)☎	Seed Depot
Desperado (6F)☎	Alliance Seed Corporation
Gadsby (2)☎	SeCan
Muskwa (6)☎	SeedNet Inc.
Stander (6W)☎	Viterra
Sundre (6)☎	Mastin Seeds
Viriden (6F)☎	SeCan
Vivar (6)☎	SeCan
XENA (2)☎	Viterra

Hulless

CDC Carter (2)☎	SeCan
CDC ExPlus (2)☎	Crop Development Centre
CDC Lophy-I (2)☎	Crop Development Centre
CDC McGwire (2)☎	SeCan
Taylor (2)☎	Alliance Seed Corporation

OATS

AC Morgan	SeCan
Bradley☎	SeCan
CDC Big Brown☎	SeCan
CDC Dancer☎	FP Genetics
CDC Minstrel☎	FP Genetics
CDC Morrison☎	CANTERRA SEEDS
CDC ProFi	Crop Development Centre
CDC Seabiscuit☎	CANTERRA SEEDS
CDC Weaver☎	FP Genetics
Furlong☎	CANTERRA SEEDS
HiFi☎	Seed Depot
Jordan☎	SeCan
Leggett☎	FP Genetics
Pinnacle☎	FP Genetics
Ronald☎	SeCan
Souris☎	Seed Depot
Stainless☎	AAFC - Cereal Research Centre
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☎	Viterra
5603HR☎	Viterra
5604HR CL☎	Viterra
AC Barrie☎	SeCan
AC Cadillac☎	FP Genetics
AC Cora	SeCan
AC Domain	SeCan
AC Intrepid☎	CANTERRA SEEDS
AC Splendor	SeCan
Alvena☎	SeCan
Carberry☎	SeCan
CDC Abound☎	Viterra
CDC Go	Crop Development Centre
CDC Imagine☎	Viterra
CDC Kernen☎	CANTERRA SEEDS
CDC Stanley☎	Viterra
CDC Teal	FP Genetics
CDC Thrive☎	Cargill Ltd.
CDC Utmost VB☎	FP Genetics
Fieldstar VB☎	SeCan
Glenn☎	CANTERRA SEEDS
Goodeve VB☎	Alliance Seed Corporation
Harvest☎	FP Genetics
Infinity☎	CANTERRA SEEDS
KANE☎	SeCan
Lovitt☎	CANTERRA SEEDS
McKenzie	Viterra
Muchmore☎	FP Genetics
Shaw VB☎	SeCan
Somerset☎	SeCan
Stettler☎	SeCan
Superb☎	SeCan
Unity VB☎	SeCan
Vesper VB☎	SeCan
Waskada☎	SeCan
WR859 CL☎	Richardson Pioneer

Canada Prairie Spring Red

5700PR☎	Viterra
5702PR☎	Viterra
AC Crystal☎	SeCan
AC Taber	SeCan
Conquer VB☎	CANTERRA SEEDS
SY985☎	Viterra & Richardson Pioneer

Canada Prairie Spring White

AC Vista☎	FP Genetics
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Tradition, Austenson, Celebration Barley
Souris & Summit Oats
North Star Genetics Roundup Ready
Soybeans

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SPRING WHEAT**Canada Western Extra Strong**

Burnside	Faurschou Farms Ltd. III
CDC Rama	FP Genetics
CDN Bison	Faurschou Farms Ltd. III
Glencross VB	Faurschou Farms Ltd. III
Glenlea	University of Manitoba

Canadian Western Hard White Spring

Snowbird	FP Genetics
Snowstar	SeCan

Canada Western Soft White Spring

AC Andrew	SeCan
Sadash	SeCan

Canada Western General Purpose

CDC NRG003	CANTERRA SEEDS
Minnedosa	SeCan
NRG010	CANTERRA SEEDS
Pasteur	SeCan

Canada Western Amber Durum

Brigade	Viterra
CDC Verona	Alliance Seed Corporation
Enterprise	CANTERRA SEEDS
Eurostar	SeCan
Kyle	SeCan
Strongfield	SeCan
Transcend	FP Genetics

WINTER WHEAT**Canada Western Red Winter**

CDC Buteo	SeCan
CDC Falcon	SeCan
CDC Harrier	SeCan
CDC Raptor	SeCan
Flourish	SeCan
McClintock	CANTERRA SEEDS
Moats	SeCan

Canada Western General Purpose

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

FALL RYE

AC Remington	CANTERRA SEEDS
AC Rifle	SeCan
Hazlet	SeCan
Prima	SeCan

TRITICALE

AC Alta	Progressive Seeds Ltd.
AC Certa	Progressive Seeds Ltd.
AC Copia	FP Genetics
AC Ultima	FP Genetics
Banjo	FP Genetics
Pronghorn	Progressive Seeds Ltd.
Sandro	FP Genetics

DISTRIBUTOR**PHONE NUMBER**

AAFC - Cereal Research Centre	1-204-983-5533
Alliance Seed Corporation	1-877-270-2890
Brandon Research Centre	1-204-726-7650
CANTERRA SEEDS	1-877-439-7333
Cargill Ltd.	1-888-855-8558
Crop Development Centre	1-306-966-8195
Eastern Cereal Research Centre	1-613-759-1816
Faurschou Farms Ltd. III	1-204-857-7109
FP Genetics	1-877-791-1045
Mastin Seeds	1-403-556-2609
Progressive Seeds Ltd.	1-403-347-4925
Richardson Pioneer	1-204-934-5166
SeCan	1-800-665-7333
Seed Depot	1-204-825-2000
SeedNet Inc.	1-403-485-6708
University of Manitoba	1-204-474-8221
Viterra	1-800-565-7333
Wedge Farms	1-877-738-2144
Western Ag	1-306-978-0373

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Hate
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That's the point of the Stewardship Agreement. The 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 desired level, preventing a build-up of resistant midge. Protect your yields and grade, and preserve this important tool for years to come. What's not to love about that?

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For further information, please contact our Customer Resource Centre at 1-877-SYNGENTA (1-877-964-3682) or visit SyngentaFarm.ca

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Growers List



BARLEY

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

AC METCALFE☼

Hamiota; Knight, Ronald M. & Jeff	204-764-2450	R C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Solsgirth; Nickel, James D.&John H.& Kevin J.&J.Gordon	204-842-3786	C

BENTLEY☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Decker; Murray, Donald H. & Ryan	204-764-2733	R
Glenboro; Jefferies, Ron	204-827-2102	R
Grandview; Storey, R. Kip & Troy K.	204-546-2590	C
Holland; Zeghers, Donald Edmond	204-526-2145	C

CDC AUSTENSON☼

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R
Killarney; Brinkschulte, Hermann	204-523-7464	R
Miniota; Walker, Alan Glen	204-567-3647	R
Minnedosa; Gugin, R. Craig	204-867-3411	R
Teulon; Kletke, Herbert T. & Helen Eva & Glenn H.	204-886-2822	C
Warren; Riddell, Clifford Royden & Craig Thomas	204-227-5679	C

CDC COALITION☼

Minnedosa; Thompson, Gordon & Scott	204-874-2167	C
Rivers; Redesper Ent. Ltd.	204-328-5346	C

CDC COPELAND☼

Minto; Fraser, Rick G.	204-776-2047	R
Rosburn; Mitchell, John	204-859-2431	R C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	C

CDC COWBOY☼

Crystal City; Buchanan, Kenneth S. & Dean K.	204-873-2661	S F R
Decker; Murray, Donald H. & Ryan	204-764-2733	C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	C
Hilbre; Bankert, Iver	204-449-2182	C

CDC MEREDITH☼

Domain; Manness, Clayton & Scott & Alan	204-736-2922	F
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CDC MINDON☼

Stonewall; Unger, Ronald K. & Darcy	204-467-8630	C
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CDC POLAR STAR☼

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

CDC TREY☼

Newdale; Wareham, Bruce E.	204-849-2029	C
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CELEBRATION☼

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R
Letellier; Barnabe, Roger	204-737-2000	R
Mac Gregor; Hulme, Lorne	204-685-2627	R

CERVEZA☼

Pilot Mound; Seed Depot Corporation	204-825-2000	S R
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BARLEY

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CHAMPION☼

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R
Rosser; Krym, Lynden	204-467-5143	R

CONLON☼

Crystal City; Smith, R. Wally	204-873-2248	C
Darlingford; Wilson, James M.	204-246-2388	C
Grosse Isle; Rutherford, Jack A. & Rick	204-467-5613	C
Killarney; Brinkschulte, Hermann	204-523-7464	C
Lowe Farm; Penner, Curtis	204-829-3556	C
Oakville; Miller, Darcy Charles	204-267-2283	C
Pilot Mound; Seed Depot Corporation	204-825-2000	C
Portage; Pugh, William G. & B.M.	204-274-2179	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
St Claude; Rouire, Roland & Guy	204-379-2582	C
Ste Rose; Gagnon, Arthur Donald	204-447-2118	C
Winkler; Ens, Abram E. & Christopher & Friesen, Jake	204-325-4658	C

DESPERADO☼

Plumas; Tonn, Todd	204-386-2206	S
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LACEY☼

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

Boissevain; Froese, Wesley A.J. & Ian 204-534-6846 C

NEWDALÉ☼

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
Boissevain; Peters, Scott 204-534-6692 C
Crystal City; Smith, R. Wally 204-873-2248 C
Ingilis; Jackson, Glenn & Carman 204-564-2293 C
Kenton; Stevenson, Robert H. & Sidney H. 204-838-2012 C
Morris; Hamblin, Lorne & Christine 204-746-6403 C
Oak River; Henry, Cameron & Mc Lean, Eric 204-566-2422 C
Russell; Keating, Mark 204-773-3854 C
Somerset; Sierens, Joseph & Chris 204-744-2883 S F R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G. 204-355-4495 C

TRADITION☼

Domain; Manness, Ronald & Patricia & Graeme 204-736-2622 R
Rosser; Krym, Lynden 204-467-5143 C
Winnipeg; James, David J. & Dorothy 204-222-8785 C

OATS

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CDC DANCER☼

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

CDC MORRISON☼

Warren; Riddell, Clifford Royden & Craig Thomas 204-227-5679 S

FURLONG☼

Glenboro; Jefferies, Ron 204-827-2102 C
Homewood; Froebe, Earl W., Bruce D. & Murray 204-745-2868 C
Killarney; Brinkschulte, Hermann 204-523-7464 C
Somerset; Sierens, Joseph & Chris 204-744-2883 F
Stonewall; Unger, Ronald K. & Darcy 204-467-8630 C

GEHL☼

Fisher Branch; Danelak, George & Harvey G. 204-372-6236 S F
Lowe Farm; Penner, Curtis 204-829-3556 S
Niverville; Wedge Farms Nutrition 204-326-8439 R

JORDAN☼

Killarney; Chatham, Don & Linda 204-523-8412 C
Minnedosa; Gugin, R. Craig 204-867-3411 C

LEGGETT☼

Grosse Isle; Rutherford, Jack A. & Rick 204-467-5613 R
Newdale; Wareham, Bruce E. 204-849-2029 C
Winnipeg; James, David J. & Dorothy 204-222-8785 C

PINNACLE☼

Boissevain; Froese, Wesley A.J. & Ian 204-534-6846 R
Mac Gregor; Hulme, Lorne 204-685-2627 R
Minto; Ayre, Andrew 204-776-2333 R
Rosser; Krym, Justin 204-467-5143 C
Rosser; Krym, Lynden 204-467-5143 R C

RONALD☼

Altona; Froese, Gordon A. 204-324-6180 C
Altona; Sawatsky, Joni 204-324-6140 C
Altona; Wiebe, Henry D. & Lloyd 204-324-8036 C
Foxwarren; Hamilton, Frank James 204-683-2496 C
Morris; Friesen, Rick & Lloyd 204-746-8325 R C
Portage; Sanderson, Garry 204-857-8406 C
Sanford; Bergen, Edward Harry & Tim 204-736-2278 F R C
Winnipeg; James, David J. & Dorothy 204-222-8785 C

SOURIS☼

Arborg; Timchishen, Donald Victor 204-376-5116 C
Brandon; Martens, David 204-728-5510 C
Domain; Manness, Ronald & Patricia & Graeme 204-736-2622 C
Domain; Pitura, Carl & Calvin C. 204-736-2849 C
Domain; Wiens, Robert Frank 204-736-2951 C
Fannystelle; Nadeau, Brian 204-436-2469 C
Killarney; Brinkschulte, Hermann 204-523-7464 C
Lowe Farm; Penner, Curtis 204-829-3556 C
Morris; Friesen, Rick & Lloyd 204-746-8325 C
Notre Dame; Durand, Gabriel A. & Marc 204-248-2268 C
Oakville; Miller, Darcy Charles 204-267-2283 C
Pilot Mound; Seed Depot Corporation 204-825-2000 C
Pilot Mound; Smith, John M. & Walter George 204-825-2715 C
Portage; Pugh, William G. & B.M. 204-274-2179 C
Rivers; Redspen Ent. Ltd. 204-328-5346 C
Sanford; Bergen, Edward Harry & Tim 204-736-2278 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 C

OATS

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SUMMIT☼

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R C
Domain; Pitura, Calvin C. & Barbara	204-736-2849	C
Domain; Pitura, Carl & Calvin C.	204-736-2849	C
Fannystelle; Nadeau, Brian	204-436-2469	C
Grosse Isle; Rutherford, Jack A. & Rick	204-467-5613	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	R
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	C
Portage; New Len Seed Service		C
Regina; Fp Genetics	306-791-0500	C
Rosser; Mulligan, Kenneth	204-322-5373	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	R
Winnipeg; James, David J. & Dorothy	204-222-8785	C

TRIACTOR☼

Arborg; Foster, Kyle & Ken & Keith	204-364-2358	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Decker; Murray, Donald H. & Ryan	204-764-2733	R C
Glenboro; Jefferies, Ron	204-827-2102	C
Grandview; Storey, R. Kip & Troy K.	204-546-2590	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	S
Lowe Farm; Penner, Curtis	204-829-3556	C
Mac Gregor; Hulme, Lorne	204-685-2627	C
Miniota; Walker, Alan Glen	204-567-3647	R
Morris; Dueck, Arthur	204-746-2026	C
Morris; Friesen, Rick & Lloyd	204-746-8325	R C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Oakville; Miller, Darcy Charles	204-267-2283	C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack) ..	204-877-3813	C
St Claude; Rouire, Roland & Guy	204-379-2582	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	R C
Warren; Riddell, Clifford Royden & Craig Thomas	204-227-5679	S R

SPRING WHEAT

5602HR☼

Morris; Hamblin, Lorne & Christine	204-746-6403	F
Regina; Viterra	306-569-5027	S R C
Rosser; Krym, Lynden	204-467-5143	C

5603HR☼

Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	C
Dauphin; Kaleta, James & Debra	204-638-8587	C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Regina; Viterra	306-569-5027	S F R C
Rosser; Krym, Lynden	204-467-5143	C
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	C

5604HR CL☼

Regina; Viterra	306-569-5027	S F R C
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AC ANDREW

Brandon; Wheat City Seeds Ltd.	204-727-3337	C
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012	C

AC BARRIE☼

Altona; Sawatzky, John	204-324-6364	C
Binscarth; Cook, Gerry	204-532-2268	C
Binscarth; Pizzey, Tim V.	204-683-2316	C
Dauphin; Ritchie, John Ross & Raymond	204-638-7543	C
Foxwarren; Falloon, Larry	204-683-2247	C
Foxwarren; Graham, George Arthur	204-683-2367	C
Foxwarren; Hamilton, Frank James	204-683-2496	C



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Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	C
Homewood; Froebe, Earl W., Bruce D. & Murray	204-745-2868	C
Killarney; Chatham, Don & Linda	204-523-8412	C
Lowe Farm; Harder, Wilfred	204-746-8005	C
Lowe Farm; Penner, Curtis	204-829-3556	C
Mac Gregor; Hulme, Lorne	204-685-2627	C
Morris; Hamblin, Donald & Bradley	204-746-8233	R
Portage; Pugh, William G. & B.M.	204-274-2179	R C

AC DOMAIN

Altona; Froese, Gordon A.	204-324-6180	C
Altona; Wiebe, Henry D. & Lloyd	204-324-8036	R C
Darlingford; Dudgeon, Gilbert Arthur	204-246-2357	C
Darlingford; Wilson, James M.	204-246-2388	C
Dauphin; Ritchie, John Ross & Raymond	204-638-7543	C
Dauphin; Ritchie, Raymond	204-638-7543	C
Elphinstone; Gerrard, Jody	204-759-2213	C
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	R C
Hamiota; Knight, Ronald M. & Jeff	204-764-2450	R C
Kenville; Carmichael, John A.	204-734-3913	S C
Lowe Farm; Penner, Curtis	204-829-3556	C
Manitou; Sanders, Andre O. & Daniel	204-242-2576	FR
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Pilot Mound; Sheffield, Lyn	204-825-2785	R
Pilot Mound; Wallace, Brad & Joe	204-825-2628	R
Plum Coulee; Janzen, Ken & Ernie A.	204-829-7749	S C
Russell; Woroneski, Frank M.	204-773-3262	S FR
Swan River; Oberlin, Walter John & George	204-734-2292	R C
Winkler; Ens, Abram E. & Christopher & Friesen, Jake	204-325-4658	C

AC INTREPID ☼

Grandview; Storey, R. Kip & Troy K.	204-546-2590	R
Plumas; Court, Randolph A. & Jeanine	204-386-2354	R C

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AC SPLENDOR

Kenville; Carmichael, John A.	204-734-3913	C
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ALVENA ☼

Russell; Keating, Mark	204-773-3854	C
Swan River; Oberlin, Walter John & George	204-734-2292	R C

CARBERRY ☼

Altamont; Madill, Douglas	204-435-2734	C
Altona; Froese, Gordon A.	204-324-6180	C
Altona; Wiebe, Henry D. & Lloyd	204-324-8036	S F C
Aubigny; Hamblin, David & Lorraine	204-746-4779	C
Baldur; Desrochers, David Oscar	204-535-2090	R C
Binscarth; Pizzezy, Tim V.	204-683-2316	S F C
Boissevain; Armstrong, Duncan T. & A.J.	204-534-2566	R C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Boissevain; Martens, Ben F. & John J. & Ryan	204-534-6952	F C
Boissevain; Peters, Scott	204-534-6692	R
Brandon; Martens, David	204-728-5510	C
Brandon; Whetter, Rodney & Darren	204-727-0045	R C
Carman; Elias, Isaac	204-745-3301	R
Carman; Mc Cutcheon, Shawn Milton	204-745-3245	F C
Carman; Menold, Thomas	204-745-3377	R
Crandall; Doupe, Neil D.	204-562-3632	C
Crystal City; Buchanan, Kenneth S. & Dean K.	204-873-2661	S FR
Crystal City; Fallis, J. Allan & Mark A.	204-873-2305	C
Crystal City; Smith, R. Wally	204-873-2248	FR C
Darlingford; Wilson, James M.	204-246-2388	R
Dauphin; Fisher, Roderick Allan & Douglas James	204-622-8800	F C
Dauphin; Ritchie, John Ross & Raymond	204-638-7543	F
Dauphin; Ritchie, Raymond	204-638-7543	R
Domain; Manness, Clayton & Scott & Alan	204-736-2922	R
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R
Domain; Pitura, Carl & Calvin C.	204-736-2849	S FR C
Domain; Wiens, Robert Frank	204-736-2951	S F C
Dufrost; Catellier, Patrick Raymond	204-347-5503	C
Elie; Lachance, J.B. Adrien & Paul M. & Lionel	204-353-2694	R C
Elphinstone; Gerrard, Jody	204-759-2213	C
Fannystelle; Nadeau, Brian	204-436-2469	C
Foxwarren; Falloon, Larry	204-683-2247	R
Glenella; Schmidt, Kenneth Frederick	204-352-4435	S
Glenlea; Bartmanovich, Michael & Ronald	204-736-4638	C
Grosse Isle; Rutherford, Jack A. & Rick	204-467-5613	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	S F C
Holland; Zeghers, Donald Edmond	204-526-2145	R
Homewood; Froebe, Earl W., Bruce D. & Murray	204-745-2868	C
Kenton; Stevenson, Richard D.O. & Douglas	204-838-2696	C
Kenville; Carmichael, John A.	204-734-3913	F C
Killarney; Brinkschulte, Hermann	204-523-7464	R
Killarney; Chatham, Don & Linda	204-523-8412	C
La Salle; Wiens, Edward & Ernie	204-736-2646	C
Lowe Farm; Penner, Curtis	204-829-3556	S F C
Mac Gregor; Hulme, Lorne	204-685-2627	C
Manitou; Sanders, Andre O. & Daniel	204-242-2576	S F C
Mather; Mc Lennan, Donald D.	204-529-2372	C
Minto; Ayre, Andrew	204-776-2333	C
Morden; Park, Robert J.	204-745-0088	R
Morris; Friesen, Rick & Lloyd	204-746-8325	S F C
Morris; Pauls, John W. & Anna	204-736-4234	C
Newdale; Wareham, Bruce E.	204-849-2029	R
Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	F C
Notre Dame; Durand, Leo	204-248-2372	S C
Notre Dame; Vigier, Gerald R. & Marc N.	204-248-2384	S F
Oak Bluff; Anseeuw, Mark J.	204-895-8375	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	F C
Oakville; Miller, Darcy Charles	204-267-2283	R C
Pilot Mound; Cavers, Landon	204-825-2012	C
Pilot Mound; Wallace, Brad & Joe	204-825-2628	C
Plumas; Court, Randolph A. & Jeanine	204-386-2354	R C
Plumas; Tonn, Todd	204-386-2206	S
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	F C
Portage; Moorhouse, James R., Scott & Brown, Alan	204-857-8274	S F
Portage; Munro, Clarke Allan & Jared Cory & Trevor Clarke	204-857-8272	C
Portage; Sanderson, Garry	204-857-8406	S F C
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Reston; Greig, Fred L. & Fotheringham, John A. (Jack).....	204-877-3813	R
Rivers; Krahn, Abe M., Ronald J. & Robert A.	204-328-7189	S F C
Rivers; Redesper Ent. Ltd.....	204-328-5346	C
Rosser; Krym, Lynden.....	204-467-5143	F
Russell; Keating, Mark.....	204-773-3854	C
Sanford; Bergen, Edward Harry & Tim.....	204-736-2278	S F C
Solsgirth; Nickel, James D.&John H.& Kevin J.&J.Gordon	204-842-3786	C
Somerset; Sierens, Joseph & Chris	204-744-2883	S F R C
Somerset; Van Deynze, Marc.....	204-744-2384	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
St Joseph; Parent, Renald & Paul.....	204-737-2625	C
St Leon; Labossiere, Luc N. & Rejean R.....	204-744-2208	S R C
Stonewall; Unger, Ronald K. & Darcy.....	204-467-8630	R C
Swan River; Alford, Wayne G.	204-734-2526	R C
Swan River; Oberlin, Walter John & George.....	204-734-2292	C
Thornhill; Rothenburger, Kelvin W.	204-822-1444	C
Warren; Jones, Gavin R.....	204-322-5604	C
Warren; Riddell, Clifford Royden & Craig Thomas	204-227-5679	F C
Wawanesa; Ellis, Warren P. & Simon.....	204-824-2290	C
Winnipeg; James, David J.& Dorothy	204-222-8785	C

CARDALE☼

Crystal City; Smith, R. Wally.....	204-873-2248	S
Pilot Mound; Seed Depot Corporation	204-825-2000	S
Pilot Mound; Seed Depot Corporation	204-825-2000	F
Somerset; Sierens, Joseph & Chris	204-744-2883	S

CDC ABOUND☼

Regina; Viterra.....	306-569-5027	S F R C
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CDC GO

Altona; Penner, Danny.....	204-737-2075	C
Brandon; Martens, David.....	204-728-5510	C
Brandon; Wheat City Seeds Ltd.	204-727-3337	F
Carman; Menold, Thomas.....	204-745-3377	C
Elm Creek; Runne, James Armin.....	204-745-0145	C
Kenton; Stevenson, Robert H. & Sidney H.....	204-838-2012	F
Kenville; Carmichael, Hugh E.....	204-734-3672	R
Killarney; Brinkschulte, Hermann	204-523-7464	C
Morris; Friesen, Lonnie.....	204-746-6632	R
Rosenort; Hiebert, David Brian	204-746-6785	R
Swan River; Alford, Wayne G.....	204-734-2526	C

CDC KERNEN☼

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R
Pilot Mound; Wallace, Brad & Joe	204-825-2628	R

CDC THRIVE☼

Swan River; Oberlin, Walter John & George.....	204-734-2292	R
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CDC UTMOST VB☼

Brandon; Wheat City Seeds Ltd.	204-727-3337
Hamiota; Knight, Ronald M. & Jeff	204-764-2450
Inglis; Jackson, Glenn & Carman	204-564-2293
Kenton; Stevenson, Robert H. & Sidney H.....	204-838-2012
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422
Russell; Keating, Mark.....	204-773-3854
Somerset; Sierens, Joseph & Chris	204-744-2883
St Claude; Rouire, Roland & Guy.....	204-379-2582
Swan River; Alford, Wayne G.....	204-734-2526

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SPRING WHEAT

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

CDC ZORBA		
Glenella; Schmidt, Kenneth Frederick	204-352-4435	S
CDN BISON		
Portage; Faurschou, David	204-857-7109	C
CONQUER VB☼		
Winnipeg; Canterra Seeds Ltd.	204-988-9750	S
FIELDSTAR VB☼		
Binscarth; Cook, Murray	204-532-2239	
Solsgirth; Nickel, James D.&John H.& Kevin J.&J.Gordon	204-842-3786	
GLENCROSS VB☼		
Portage; Faurschou, Gerald W.....	204-252-2411	
GLENN☼		
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	C
Dauphin; Fisher, Roderick Allan & Douglas James.....	204-622-8800	C
Decker; Murray, Donald H. & Ryan.....	204-764-2733	C
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	C
Domain; Pitura, Carl & Calvin C.....	204-736-2849	C

SPRING WHEAT

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

Domain; Wiens, Robert Frank	204-736-2951	C
Dufrost; Catellier, Guy R.....	204-347-5534	C
Glenboro; Jefferies, Ron.....	204-827-2102	C
Grandview; Storey, R. Kip & Troy K.	204-546-2590	C
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	C
Holland; Zeghers, Donald Edmond	204-526-2145	C
Homewood; Froebe, Earl W., Bruce D. & Murray	204-745-2868	C
Lowe Farm; Penner, Curtis.....	204-829-3556	C
Mac Gregor; Hulme, Lorne.....	204-685-2627	C
Medora; Vandaele, Vernon L.....	204-665-2384	C
Miniota; Walker, Alan Glen	204-567-3647	C
Morden; Rampton, Denzil J.	204-822-3369	C
Morris; Dueck , Arthur	204-746-2026	C
Morris; Friesen, Rick & Lloyd.....	204-746-8325	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Pilot Mound; Wallace, Brad & Joe	204-825-2628	C
Plumas; Court, Randolph A. & Jeanine.....	204-386-2354	C
Portage; Moorhouse, James.R., Scott & Brown, Alan.....	204-857-8274	C
Portage; Munro, Clarke Allan&Jared Cory&Trevor Clarke.	204-857-8272	C
Portage; Sissons, Grant G., Donald Angus & Blye	204-857-7341	C
Reston; Greig, Fred L. & Fotheringham, John A. (Jack)....	204-877-3813	C
Rivers; Redsper Ent. Ltd.....	204-328-5346	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	C
Treherne; Huggart, Ray	204-723-2125	C
Virde; Heaman, Douglas J., Walter, Robert & Kenneth....	204-748-2666	C
Warren; Riddell, Clifford Royden & Craig Thomas	204-227-5679	C
Wawanesa; Ellis, Warren P. & Simon.....	204-824-2290	C

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GOODEVE VB☼

Elphinstone; Gerrard, Jody.....	204-759-2213
Russell; Keating, Mark.....	204-773-3854
Winnipeg; Alliance Seed Corporation.....	204-272-2890

HARVEST☼

Baldur; Desrochers, David Oscar.....	204-535-2090
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846
Brandon; Wheat City Seeds Ltd.	204-727-3337
Crystal City; Smith, R. Wally.....	204-873-2248
Gilbert Plains; Tokar, Bob & Stoughton, Murray.....	204-548-2805
Grandview; Elliott, Jeff.....	204-546-3075
Grandview; Storey, R. Kip & Troy K.	204-546-2590
Hamiota; Knight, Ronald M. & Jeff	204-764-2450
Holland; Zeghers, Donald Edmond	204-526-2145
Inglis; Jackson, Glenn & Carman	204-564-2293
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012
Killarney; Brinkschulte, Hermann	204-523-7464
Killarney; Chatham, Don & Linda	204-523-8412
Newdale; Wareham, Bruce E.....	204-849-2029
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422
Russell; Keating, Mark.....	204-773-3854
Russell; Woroneski, Frank M.	204-773-3262
Somerset; Sierens, Joseph & Chris	204-744-2883
Souris; Kohut, David Anton	204-483-3063
St Claude; Rouire, Roland & Guy.....	204-379-2582
Swan River; Alford, Wayne G.	204-734-2526

KANE☼

Altona; Froese, Gordon A.	204-324-6180
Altona; Sawatsky, Joni	204-324-6140
Altona; Wiebe, Henry D. & Lloyd	204-324-8036

SPRING WHEAT

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Boissevain; Martens, Ben F. & John J. & Ryan	204-534-6952	C
Canmore; Pizzey, J. David	403-609-3588	C
Carman; Borgen, John Allen	204-745-2335	C
Carman; Elias, Isaac	204-745-3301	C
Darlingford; Dudgeon, Gilbert Arthur.....	204-246-2357	C
Dauphin; Ritchie, John Ross & Raymond	204-638-7543	R
Domain; Wiens, Robert Frank	204-736-2951	R
Dufrost; Catellier, Roger & Richard	204-347-5503	C
East Selkirk; Kuzminski, John William.....	204-482-3813	C
Elie; Lachance, J.B. Adrien & Paul M. & Lionel.....	204-353-2694	R
Elphinstone; Gerrard, Jody.....	204-759-2213	C
Glenboro; Jefferies, Ron.....	204-827-2102	C
Grandview; Elliott, Jeff.....	204-546-3075	C
Grandview; Storey, R. Kip & Troy K.	204-546-2590	C
Holland; Marginet, Reginald	204-526-2544	R C
Holland; Patenaude, Donald & Robert	204-526-2391	C
Killarney; Chatham, Don & Linda	204-523-8412	C
La Salle; Turski, Robert	204-736-4130	C
La Salle; Wiens, Edward & Ernie	204-736-2646	R
Lowe Farm; Penner, Curtis.....	204-829-3556	C
Mac Donald; Adrain, Glen & Gillespie, Gerald G.	204-274-2251	C
Manitou; Hiebert, Robert J.	204-242-3040	C
Minnedosa; Gugin, R. Craig	204-867-3411	C
Morris; Hamblin, Donald & Bradley	204-746-8233	R
Newdale; Wareham, Bruce E.....	204-849-2029	C
Oakville; Miller, Darcy Charles	204-267-2283	C
Pilot Mound; Cavers, Landon	204-825-2012	R C
Plum Coulee; Giesbrecht, H. Edward & Raymond J.	204-829-3365	C
Plumas; Tonn, Todd	204-386-2206	S
Portage; Askin, Raymond T. & Jeffrey S.....	204-274-2417	C



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Portage; Moorhouse, James R., Scott & Brown, Alan.....	204-857-8274	R
Portage; Pugh, William G. & B.M.....	204-274-2179	C
Portage; Sanderson, Garry	204-857-8406	S F R
Portage; Sissons, Grant G., Donald Angus & Blye	204-857-7341	S F R
Rivers; Krahn, Abe M., Ronald J. & Robert A.	204-328-7189	C
Rivers; Redsper Ent. Ltd.....	204-328-5346	C
Sanford; Schlichting, Martin.....	204-736-4068	C
Solsgrith; Nickel, James D.&John H. & Kevin J.&J.Gordon	204-842-3786	C
Somerset; Van Deynze, Marc	204-744-2384	C
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	C
St Joseph; Parent, Renald & Paul	204-737-2625	C
St Joseph; Remillard, Aime J.	204-737-2230	C
St Leon; Labossiere, Luc N. & Rejean R.....	204-744-2208	C
Ste Rose; Gagnon, Arthur Donald	204-447-2118	C
Stonewall; Unger, Ronald K. & Darcy.....	204-467-8630	C
Swan River; Oberlin, Walter John & George.....	204-734-2292	C
Treherne; Stinson, Gary Donald.....	204-723-2319	C

MUCHMORE☼

Cromer; Bartel, Patrick	204-662-4466	R
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012	R
Killarney; Chatham, Don & Linda	204-523-8412	R
Somerset; Sierens, Joseph & Chris	204-744-2883	C
Souris; Kohut, David Anton	204-483-3063	S F C
Swan River; Alford, Wayne G.	204-734-2526	R C

PASTEUR

Brandon; Whetter, Rodney & Darren	204-727-0045	C
Darlingford; Wilson, James M.	204-246-2388	R
Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	S R
Glenella; Schmidt, Kenneth Frederick	204-352-4435	S
Portage; Yuill, Kevin A.	204-857-8708	R

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SNOWSTAR☼

Boissevain; Peters, Scott	204-534-6692	R
Crystal City; Fallis, J. Allan & Mark A.	204-873-2305	C
Decker; Murray, Donald H. & Ryan.....	204-764-2733	C
Glenboro; Jefferies, Ron.....	204-827-2102	C
Killarney; Chatham, Don & Linda	204-523-8412	C
Mather; Mc Lennan, Donald D.....	204-529-2372	C

SOMERSET☼

Portage; Pugh, William G. & B.M.....	204-274-2179	C
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STETTLER☼

Dauphin; Durston, Scott L. & James A.	204-638-7623	R
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UNITY VB☼

Binscarth; Cook, Murray	204-532-2239	
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	
Brandon; Wheat City Seeds Ltd.	204-727-3337	
Foxwarren; Falloon, Larry	204-683-2247	
Foxwarren; Graham, George Arthur	204-683-2367	
Foxwarren; Hamilton, Frank James	204-683-2496	
Gilbert Plains; Tokar, Bob & Stoughton, Murray	204-548-2805	
Kenton; Stevenson, Robert H. & Sidney H.	204-838-2012	
Minto; Fraser, Rick G.	204-776-2047	
Solsgrith; Nickel, James D.&John H. & Kevin J.&J.Gordon	204-842-3786	

VESPER VB☼

Carman; Mc Cutcheon, Shawn Milton.....	204-745-3245	S
Foxwarren; Graham, George Arthur	204-683-2367	S
Foxwarren; Hamilton, Frank James	204-683-2496	
Glenboro; Jefferies, Ron.....	204-827-2102	
Mather; Mc Lennan, Donald D.....	204-529-2372	
Minto; Fraser, Rick G.	204-776-2047	
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	S

WASKADA☼

Binscarth; Cook, Gerry	204-532-2268	C
Brandon; Whetter, Rodney & Darren	204-727-0045	C
Carman; Elias, Isaac	204-745-3301	R
Newdale; Wareham, Bruce E.....	204-849-2029	C
Rosburn; Mitchell, John	204-859-2431	R C
Virden; Heaman, Douglas J., Walter, Robert & Kenneth...	204-748-2666	C

WR859 CL☼

Kenton; Stevenson, Richard D.O. & Douglas	204-838-2696	C
Mac Donald; Adrain, Glen & Gillespie, Gerald G.	204-274-2251	R C
Morden; Park, Robert J.	204-745-0088	C
Saskatoon; Syngenta Seeds Canada Inc.,	306-653-7302	S F R C
Winkler; Ens, Abram E. & Christopher & Friesen, Jake	204-325-4658	F C

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WINTER WHEAT

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ACCIPITER☼

Glenella; Schmidt, Kenneth Frederick	204-352-4435	R
Killarney; Brinkschulte, Hermann	204-523-7464	R
Virde; Heaman, Douglas J., Walter, Robert & Kenneth.....	204-748-2666	R C

BROADVIEW☼

Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	F
Mac Gregor; Hulme, Lorne.....	204-685-2627	FR
Reston; Greig, Fred L. & Fotheringham, John A. (Jack)....	204-877-3813	F

CDC BUTEO

Brandon; Whetter, Rodney & Darren	204-727-0045	S F C
Dauphin; Fisher, Roderick Allan & Douglas James.....	204-622-8800	C
Dauphin; Kaleta, James & Debra	204-638-8587	R
Gilbert Plains; Tokar, Bob & Stoughton, Murray.....	204-548-2805	C
Glenboro; Jefferies, Ron.....	204-827-2102	C
Glenella; Schmidt, Kenneth Frederick	204-352-4435	S
Minto; Ayre, Andrew	204-776-2333	C
Plumas; Court, Randolph A. & Jeanine.....	204-386-2354	C
Virde; Heaman, Douglas J., Walter, Robert & Kenneth.....	204-748-2666	C

CDC FALCON

Altona; Sawatzky, John.....	204-324-6364	C
Altona; Wiebe, Henry D. & Lloyd	204-324-8036	C
Boissevain; Peters, Scott.....	204-534-6692	R
Brandon; Whetter, Rodney & Darren	204-727-0045	S FR
Carman; Elias, Isaac	204-745-3301	C
Crystal City; Smith, R. Wally.....	204-873-2248	R
Darlingford; Wilson, James M.....	204-246-2388	C
Domain; Pitura, Carl & Calvin C.....	204-736-2849	C
Glenboro; Jefferies, Ron.....	204-827-2102	C
Grosse Isle; Rutherford, Jack A. & Rick	204-467-5613	F
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	C
Holland; Zeghers, Donald Edmond	204-526-2145	C
Lowe Farm; Penner, Curtis.....	204-829-3556	R C
Mac Gregor; Hulme, Lorne.....	204-685-2627	C
Mac Gregor; Sims, Curtis Edwin.....	204-685-2237	C
Minto; Fraser, Rick G.....	204-776-2047	C
Notre Dame; Durand, Gabriel A. & Marc.....	204-248-2268	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C
Pilot Mound; Wallace, Brad & Joe	204-825-2628	R
Reston; Greig, Fred L. & Fotheringham, John A. (Jack)....	204-877-3813	C
Somerset; Sierens, Joseph & Chris	204-744-2883	R
Somerset; Van Deynze, Marc.....	204-744-2384	C
St Joseph; Parent, Renald & Paul.....	204-737-2625	C
Stonewall; Unger, Ronald K. & Darcy.....	204-467-8630	C
Treherne; Huggart, Ray.....	204-723-2125	C
Warren; Riddell, Clifford Royden & Craig Thomas	204-227-5679	C

CDC PTARMIGAN

Killarney; Brinkschulte, Hermann	204-523-7464	C
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FLOURISH☼

Kanata; Secan Association.....	613-592-8600	S F
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PEREGRINE☼

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

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

DANKO

Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	R C
Souris; Kohut, Anton.....	204-483-2004	R
Souris; Kohut, David Anton	204-483-3063	S

FALL RYE

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

HAZLET

Baldur; Desrochers, David Oscar.....	204-535-2090	C
Boissevain; Froese, Wesley A.J. & Ian	204-534-6846	C
Brandon; Martens, David.....	204-728-5510	F C
Dauphin; Durston, Scott L. & James A.....	204-638-7623	S C
Glenella; Schmidt, Kenneth Frederick	204-352-4435	S
Holland; Patenaude, Donald & Robert	204-526-2391	C
Holland; Zeghers, Donald Edmond	204-526-2145	C
Morden; Park, Robert J.....	204-745-0088	C

PRIMA

Dauphin; Durston, Scott L. & James A.....	204-638-7623	S R
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TRITICALE (SPRING)

TYNDAL☼

Glenella; Schmidt, Kenneth Frederick	204-352-4435	S F
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TRITICALE (WINTER)

FRIDGE

Glenella; Schmidt, Kenneth Frederick	204-352-4435	F
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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, # of site years, % oil content, maturity and any other check attributes.

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

Resistance to ratings: HS = highly susceptible; S = susceptible; MS = moderately susceptible; MR = moderately resistant; R = resistant; 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 Breeders Rights or a variety where protection has been applied for but not yet granted at time of printing.

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

Key to 2011 Yield Tables

Yields derived over 2 or more growing seasons are the best indicator of variety performance. For new varieties, 2011 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.

Soybean Comments

For specific notes regarding the soybean tables, refer to the SOYBEAN COMMENTS at the top of page 52.

Oilseed Crops

A waitress named Claire, wearing a light blue polo shirt and a white apron, is leaning over a diner counter. She is looking at a man, presumably a farmer, who is wearing a grey shirt and brown overalls. The background shows a typical diner setting with shelves and other patrons.

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Kinda like pork
and beans.”**

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*ARES herbicide is in the final stages of registration.



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Canola Comments

The Variety Descriptions table summarizes the performance of registered canola varieties that will be available for planting in spring 2012. The post-registration Canola Performance Trial (CPT) testing in 2011 was designed to be more reflective of field practices. The appropriate herbicide products have been applied to the matching herbicide tolerant (HT) varieties in small plots, with no check variety assigned.

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. This also includes comparing performance of small plot trials with field scale trial results. The CPT information within Seed Manitoba 2012 and on-line, provides both data sources which have been reviewed through a protocol and data audit process. The data presented can be assured that it was collected and trials conducted in a scientific manner and comparisons are unbiased. With the changes in trial management and data source collection, data from 2011 is not considered comparable to previous trials. Detailed notes on other agronomic attributes of varieties and trials management are at www.canolaperformancetrials.ca

Data Sources

Data presentation in the long and mid season canola growing zones trials table (page 49) was collected from small plot, replicated trials, that are typically less than acre in size. Varieties have been entered by the representative marketing company for testing based on market share.

Field scale trials range from 0.5 to 1.5 acres in size and are managed by growers using their typical production practices. The trials are planted, swathed, harvested, and in some cases sprayed by growers using the respective herbicide systems according to established protocols. The performance results presented are those varieties that were also included in the testing under small plot, replicated trials. This data set is found on page 49.

Blackleg Rating for Canola

The rating represents blackleg tolerance relative to the highly susceptible variety Westar. Varieties with a resistant (R) or moderately resistant (MR) rating for blackleg have shown the greatest ability to suppress blackleg incidence and severity, but can still develop lesions or cankers. Individual field performance and reactions 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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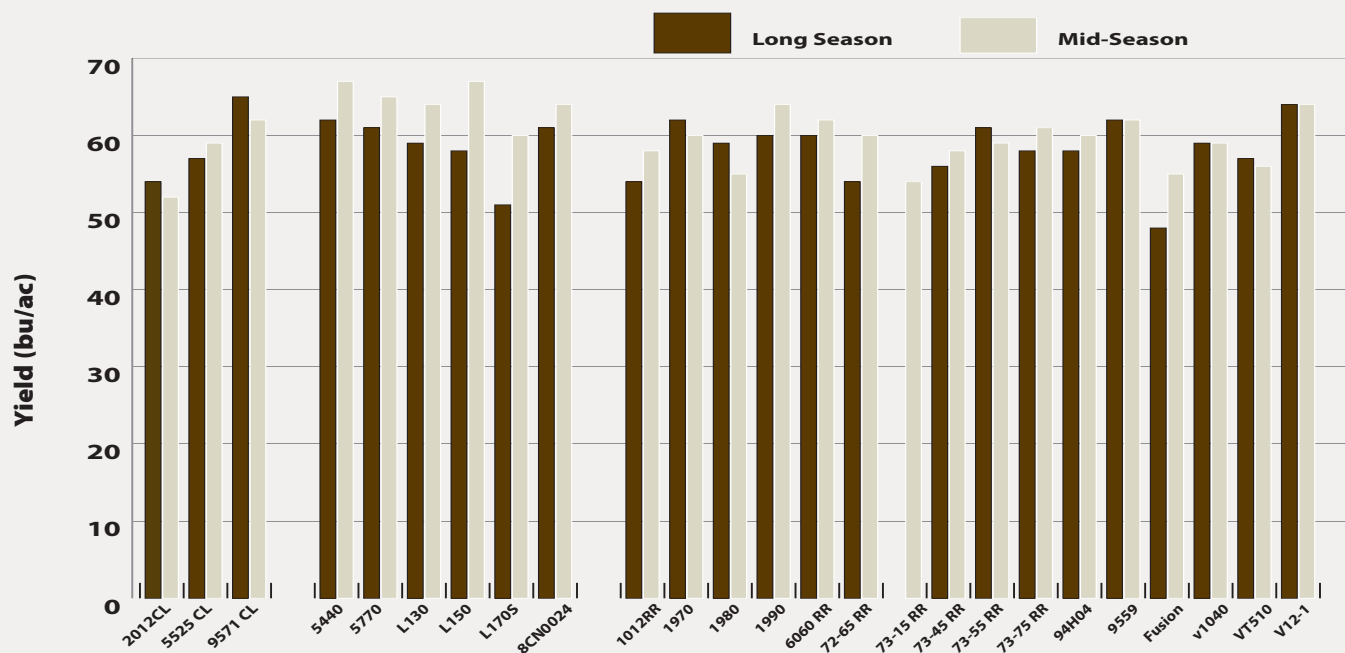
Variety Descriptions

Variety (B.napus)	Type	Yield by Maturity Zone (bu/acre)		WCC/RRC Registration Data			Distributor
		Long	Mid	Maturity (+/- checks)	Height (cm)	Blackleg Tolerance	
Clearfield							
2012 CL*	Hybrid	54	52	-0.6	0.6	MR	Dow AgroSciences
5525 CL	Hybrid	57	59	1.4	11.3	R	BrettYoung
9571 CL	Hybrid	65	62	2.1	13.4	R	Viterra
Liberty Link							
5440	Hybrid	62	67	-0.2	7.3	R	Bayer CropScience
5770	Hybrid	61	65	2.6	7.5	R	Bayer CropScience
L130	Hybrid	59	64	-0.2	3.9	R	Bayer CropScience
L150	Hybrid	58	67	1.3	8.9	R	Bayer CropScience
L170S†	Hybrid	51	60	1.0	—	R	Bayer CropScience
Varieties that are being tested or proposed for registration							
8CN0024	Hybrid	61	64	-1.1	6.3	R	Bayer CropScience
Roundup Ready							
1012 RR*†	Hybrid	54	58	2.3	—	R	Dow AgroSciences
1970	Hybrid	62	60	1.9	7.1	R	CANTERRA SEEDS
1980	Hybrid	59	55	-1.2	-1.9	R	CANTERRA SEEDS
1990	Hybrid	60	64	0.4	4	R	CANTERRA SEEDS
6060 RR	Hybrid	60	62	2.2	9.9	R	BrettYoung
72-65 RR	Hybrid	54	60	0.6	0.0	R	DEKALB
73-15 RR	Hybrid	—	54	-0.3	-4.5	MR	DEKALB
73-45 RR	Hybrid	56	58	-2.5	-4.8	R	DEKALB
73-55 RR	Hybrid	61	59	-1.2	-1.6	R	DEKALB
73-75 RR	Hybrid	58	61	-0.7	-1.0	R	DEKALB
94H04	Hybrid	58	60	-0.1	7.4	R	FP Genetics
9559	Hybrid	62	62	1.1	7.8	R	Viterra
Fusion	Hybrid	48	55	-1.7	0.4	R	Secan
v1040*	Hybrid	59	59	0.8	3.7	R	Cargill - VICTORY Hybrid Canola
VT510	Hybrid	57	56	0.8	-0.1	R	Viterra
V12-1*	Hybrid	64	64	0.0	2.3	R	Cargill - VICTORY Hybrid Canola

* Indicates varieties with Specialty oil profiles.

† Indicates varieties with interim registration.

Canola Variety Yield by Maturity Zone



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

Yield Comparisons

Variety (B.napus)	2011 Yield (bu/acre)														
	Long Season Zone					Mid Season Zone									
	Boissevain, MB	Portage, MB	Swift Current, SK	Lethbridge, AB	AVERAGE YIELD	Aberdeen, SK	Foam Lake, SK	Melfort, SK	N. Battleford, SK	Scott, SK	Yorkton, SK	Indian Head, SK	Ft. Saskatchewan, AB	Vegreville, AB	AVERAGE YIELD
Clearfield															
2012 CL*	59	47	48	63	54	42	33	62	64	55	51	50	46	48	52
5525 CL	66	44	48	68	57	50	35	61	71	65	57	53	65	63	59
9571 CL	74	65	44	75	65	55	45	62	69	66	61	51	78	68	62
Liberty Link															
5440	69	60	46	72	62	56	50	69	77	67	66	59	71	72	67
5770	71	63	47	64	61	61	46	67	79	67	64	54	64	70	65
L130	71	55	46	65	59	60	46	65	75	65	59	57	70	66	64
L150	61	58	45	68	58	56	52	69	76	71	67	57	69	70	67
L170S†	59	55	40	48	51	40	45	67	70	63	56	48	71	66	60
Varieties that are being tested or proposed for registration															
8CN0024	71	60	46	68	61	58	51	63	73	67	64	52	73	69	64
Roundup Ready															
1012 RR*†	55	56	45	60	54	53	37	66	65	57	55	43	61	66	58
1970	69	70	49	58	62	57	35	62	71	62	59	48	65	67	60
1980	66	52	50	67	59	51	33	56	69	57	48	53	64	54	55
1990	62	63	49	64	60	59	33	64	72	67	61	55	83	69	64
6060 RR	69	61	47	61	60	54	39	68	67	65	61	55	74	66	62
72-65 RR	58	49	50	58	54	57	35	61	73	60	52	57	67	67	60
73-15 RR						51	35	56	68	57	47	55	51	55	54
73-45 RR	61	51	53	60	56	50	40	56	65	59	52	56	78	59	58
73-55 RR	63	64	51	67	61	52	38	60	66	59	53	58	73	60	59
73-75 RR	55	61	50	65	58	49	42	60	73	60	55	59	76	63	61
94H04	63	57	46	67	58	51	31	65	72	61	53	55	76	62	60
9559	68	59	51	70	62	60	41	65	69	63	58	52	74	71	62
Fusion	55	36	45	54	48	51	33	57	66	57	50	52	61	56	55
v1040	59	59	49	67	59	53	36	62	66	58	53	53	79	66	59
VT510	65	63	42	59	57	51	34	59	65	55	54	49	64	58	56
V12-1*	68	71	47	68	64	60	42	66	72	63	60	57	77	66	64

* Indicates varieties with Specialty oil profiles.

† Indicates varieties with interim registration.

CANOLA PERFORMANCE TRIAL — Field Scale Trial Location Data

Yield Comparisons

Location	2011 Yield (bu/acre)										
	Variety										
	2012 CL	5440	L130	L150	1012 RR	1970	1990	72-65 RR	73-45 RR	73-75 RR	73-15 RR
Baldur	—	—	—	—	—	—	—	—	33	36	—
Brandon	—	—	—	—	—	—	—	—	44	48	—
Carberry	—	—	—	43	—	—	—	—	41	44	—
Elgin	—	—	—	—	—	—	—	—	42	40	—
Howden	—	—	—	—	—	—	—	—	17	18	—
Selkirk	—	—	—	—	—	—	—	—	34	38	—
Somerset	—	—	—	—	—	—	—	—	53	51	—
Stonewall	—	—	—	—	—	42	43	—	—	—	—
Swan River	—	—	—	60	—	—	—	—	—	—	56
Swan River	—	—	—	—	46	38	48	—	—	—	—
Brandon	29	—	—	—	27	—	—	26	—	—	—
Dauphin	—	—	—	—	36	—	—	32	—	—	—
Foxwarren	—	—	—	—	43	—	—	41	—	—	—
Headingley	51	—	—	—	49	—	—	48	—	—	—
Swan River	—	—	—	—	45	—	—	34	—	—	—
Thornhill	21	—	—	—	26	—	—	24	—	—	—
Harte	—	37	39	41	—	—	—	—	40	39	—
Oakbluff	—	37	38	39	—	—	—	—	39	—	—
Stonewall	—	36	36	35	—	—	—	—	42	—	—
Swan River	—	39	38	43	—	—	—	—	—	—	—

FLAX

Comments:

Flax was last tested in 2010.

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 Food Inspection Agency has provided notification in their Proposed List of Variety Registration Cancellations the oilseed flax varieties **CDC Mons** and **CDC Normandy** will be cancelled (deregistered) effective August 1, 2013.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Days to Maturity +/- Check	Height +/- Check	Seed Size TKW	Oil Content	Oil Quality ¹ :		Resistance Level:		
							Iodine Number	ALA Content	Lodging ²	Fusarium Wilt	Powdery Mildew
AC Carnduff☼	91	27	0	-1	5.6	44.7	192.3	57.0	G	MR	MR
AC Emerson	92	53	-2	-1	6.4	43.8	196.1	59.3	F	R	R
AC Watson☼	89	21	-2	-2	6.2	44.4	192.7	57.1	G	MR	R
CDC Arras	92	36	0	-2	6.1	45.2	189.2	54.4	PF	MR	MS
CDC Bethune☼	100	121	0	0	5.8	45.6	188.6	54.7	VG	MR	MR
CDC Sanctuary	101	10	3	1	5.8	45.6	190.7	57.2	FG	MR	MR
CDC Sorrel☼	101	45	1	1	6.4	45.1	192.7	57.8	FG	MR	MR
CDC Valour☼	73	17	-3	-2	6.0	43.7	189.7	56.2	PF	MR	S
Flanders	91	14	1	-2	5.3	45.4	191.9	57.2	FG	MR	MR
Hanley☼	95	70	-2	-2	5.7	44.7	197.7	58.6	VG	R	MR
Lightning☼	99	43	1	-2	6.0	47.6	192.5	56.1	G	MR	R
Macbeth☼	100	31	0	-1	6.2	47.7	193.1	56.7	G	R	MR
NorLin	91	76	0	-1	5.7	43.5	189.7	56.7	G	MR	MS
Prairie Blue☼	98	66	1	-1	5.2	46.3	192.2	57.3	VG	MR	MR
Prairie Grande☼	94	36	-2	-4	5.8	45.6	192.9	57.5	VG	MR	MR
Prairie Sapphire ☼	101	18	2	-1	5.8	48.1	193.1	57.2	FG	MR	MR
Prairie Thunder☼	96	45	0	-3	5.9	45.3	194.7	57.9	VG	R	MR
Taurus☼	98	45	0	-1	5.6	45.6	187.0	53.9	E	MR	R
Vimy	95	5	1	0	6.1	45.0	191.9	57.6	P	MR	MS
CHECK CHARACTERISTICS											
CDC Bethune	34	121	102	27							
	bu/acre	site years	days	inches							

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.

2011/2012 FARM FLAX SAMPLE TESTING

To ensure continued export market access for Canadian flax an Industry Stewardship Program has been introduced.

- Plant only seed that has been tested and is verified CDC Triffid-free. Any seed testing positive for CDC-Triffid must not be cleaned or planted.
- Keep the certificate of laboratory analysis that verifies the planted seed tested negative.
- As of September 1, 2010, any flax entering the commercial grain handling system will be subjected to rigorous testing for the presence of CDC Triffid before accepted for delivery. Some flax buyers will only accept results from certain labs. Please check with your grain buyer and the Flax Council of Canada (www.flaxcouncil.com) for more details.

Labs approved to test flax samples for the presence of CDC Triffid (alphabetical order)

20/20 Seed Labs Inc.

Suite 201, 509 - 11th Avenue
Nisku AB T9E 7N5
Telephone: 877-420-2099
Facsimile: 780-955-3428 www.2020seedlabs.ca
Email: barry@2020seedlabs.ca

BioVision Seed Labs

7225 B Roper Road
Edmonton AB T6B 3J4
Telephone: 800-952-5407
Facsimile: 780-437-6875 www.biovision.ca
Email: trevorm@biovision.ca

Discovery Seed Labs Ltd

450 Melville St.
Saskatoon SK S7J 4M2
Telephone: 306-249-4484
Facsimile: 306-249-4434 Email: info@seedtesting.com
Attn: Bruce Carriere, Sandy Junek

DNA LandMarks Inc.

84 Richelieu Street
St.-Jean-sur-Richelieu QC J3B 6X3
Telephone: 450-358-2621
Facsimile: 514-827-7870
www.dnalandmarks.ca
Email: PickC@dnalandmarks.ca

Eurofins GeneScan Inc.

2315 N Causeway Boulevard,
Suite 200 Metairie, LA 70001 USA
Telephone: 504-297-4330
Facsimile: 504-297-4335 www.gmotesting.com
Email: michaelcole@eurofinsus.com

Genserve Laboratories

125 15 Innovation Boulevard
Saskatoon SK S7N 2X8
Telephone: 866-420-2293
Facsimile: 306-933-5505 www.src.sk.ca
Email: genserve@src.sk.ca

Quantum Biosciences Inc.

8 410 Downey Road
Saskatoon SK S7N 4N1
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Facsimile: 306-956-2066
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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 the 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 Company Crop Heat Unit ratings are assigned to assist growers select varieties suitable for their area. Unfortunately Company Heat Unit ratings do not always reflect the actual maturity in Manitoba. Growers should never rely on just 1 criteria for judging maturity. Experimental lines are not assigned a HU rating until they become registered.
- 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. The upcoming 2012 growing season will see many new varieties with the advent of Genuity Roundup Ready 2 yield soybeans. 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 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 plants/acre.
- 2 Hilum colour can range from Yellow (Y), ImperfectYellow (IY), Grey (G), Brown (BR), Buff (BF) 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 1 site 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.
- 7 Soybeans are not eligible for MASC Production Insurance in all parts of the province - consult your local agent for more details.

WESTERN MANITOBA SOYBEAN ADAPTATION TRIAL

Comments:

The Adaptation Soybean variety trial was tested and the data donated by Manitoba Pulse Growers Association.

Soybeans do not qualify for MASC Production Insurance at Roblin or Hamiota.

Variety Descriptions

Variety	Company Heat Units	Relative Days ¹ to Maturity +/- Check	Yield % Check	Site Years Tested	2011 Yield: % of NSC Warren RR				
					Boissevain	Carberry	Hamiota	Melita	Roblin
23-10RY	2325	-1	103	5	114	115	107	97	96
Pekko R2	2325	3	104	5	110	117	115	114	84
NSC Warren RR	2350	0	100	22	100	100	100	100	100
29002	2375	-1	93	21	84	90	99	98	94
24-10RY	2425	1	101	5	103	94	102	119	89
TH 32004R2Y	2425	2	113	5	122	113	108	131	99
900Y61	2425	4	101	5	111	101	110	101	94
LS0036RR	2425	1	98	22	104	103	100	113	99
LS004R21	2425	4	106	5	122	98	113	123	89
900Y71	2450	1	99	11	110	93	101	106	94
HS 006RYS24	2450	3	106	5	129	98	116	107	93
Sampsa R2	2575	2	104	5	118	113	100	116	89
CHECK CHARACTERISTICS					NSC Warren RR (bu/acre)				
		120	47	34	CV %	7.7	12.7	8.0	5.3
		days to maturity	bu/ acre	site years	LSD %	13	22	14	13
					Sign Diff	Yes	Yes	Yes	Yes

¹ Maturity ratings average across from Boissevain and Roblin sites.

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-Roger Weinlaeder.

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-Sam Waldner

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NATTO SOYBEANS

Comments:

The Natto Soybean variety trial was tested and the data donated by Manitoba Pulse Growers Association.

OAC Prudence is not a natto type soybean; it is used as a check to determine the yield potential of natto type soybeans compared to conventional soybeans.

Variety Descriptions

													2011 Yield: % of OAC Prudence										
Manitoba Variety Grouping	Company Heat	Variety	Relative Days to Maturity +/- Check					Yield %	Site Years Tested	Lodging ¹	Seeds/lbs	IDC Rating (1-5)	Arborg	Stonewall	Carman	Portage	St. Adolphe	Morris	Rosebank	Morden			
			Average	2011	2010	2009	2008																
Short Season	2375	QGC 12N	-8	-7	-9	-8	-9	78	42	2.8	5200	2	68	72	86	45	69	78	—	—			
Mid Season	2475	OAC Prudence	0	0	0	0	0	100	38	2.3	2300	2	100	100	100	100	100	100	100	100			
		Experimental lines that have been supported for registration in Canada																					
		Colibri	0	3	—	—	—	83	16	1.2	7350	—	—	—	98	51	90	74	59	78			
		OT 08-05	0	1	3	-3	—	87	6	1.9	4300	—	—	—	125	78	105	91	87	95			
CHECK CHARACTERISTICS													OAC Prudence (bu/acre)			25	34	47	44	31	40	40	53
OAC Prudence			124	106	125	125	122	51	38	CV %			7.6	11.0	7.3	11.2	7.0	5.6	7.3	4.3			
			days to maturity					bu/acre		LSD%			12	20	13	16	12	8	12	8			
								years		Sign Diff			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			

¹ Lodging and maturity ratings (1-5) were averaged across Morris and St. Adolphe sites.



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CONVENTIONAL SOYBEANS

Comments:

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

Variety Descriptions

Manitoba Variety Zones	Company Heat Unit	Variety	Relative Days to Maturity + / - Check				Yield % Check	Site Years Tested	Hilum Colour	Relative Seeds/lb	Lodging ¹ (1-5)
			Average	2011	2010	2009					
Short Season	2350	Tundra	-4	-4	—	—	91	29	CL	2500	1.0
	2450	OAC Prudence	0	0	0	0	100	78	Y	1851	1.0
Experimental lines are being tested/proposed for registration in Canada											
Mid Season Zone		CFS09.3.03	2	2	—	—	91	6	GR	2802	1.0
		OAC 07-03C	4	4	4	3	103	17	IY	2349	1.0
		OAC 09-01C	4	4	—	—	88	5	IY	2373	1.3
		OT09-03	3	3	3	—	103	12	Y	2536	1.2
		Secan 07-01C	3	4	4	2	99	17	IY	2235	1.1
		SeCan 11-05C	2	2	—	—	100	6	IY	1960	1.0
Experimental lines are being tested/proposed for registration in Canada											
Long Season Zone		CFS10.3.02	7	7	—	—	114	6	BR	2785	1.0
		DH863	5	5	—	—	92	6	IY	2045	1.0
		Secan 08-01C	7	8	5	6	104	17	IY	2094	1.1
		SeCan 11-06C	5	5	—	—	104	6	LBR	2036	1.5
		SeCan 11-10C	7	7	—	—	99	6	LBR	2426	1.0
		SeCan 11-11C	5	5	—	—	94	6	BR	2349	1.0
CHECK CHARACTERISTICS											
OAC Prudence			119	106	125	125	49	78	Y	1851	1.0
			days to maturity				bu/acre	site years		seeds/lb	

1 Lodging and Maturity rating averaged across St. Adolphe and Morris 2011 sites.

Yield Comparisons

Manitoba Variety Zones	Variety	2011 Average Yield	Site Years Tested	2011 Yield: % of OAC Prudence							
				Arborg	Stonewall	Carman	Portage	St. Adolphe	Morris	Rosebank	Morden
Short Season	Tundra	84	6	90	73	88	78	86	93	—	—
	OAC Prudence	100	8	100	100	100	100	100	100	100	100
Experimental lines are being tested/proposed for registration in Canada											
Mid Season Zone	CFS09.3.03	91	6	86	85	113	82	93	84	—	—
	OAC 07-03C	99	6	104	83	106	95	122	88	—	—
	OAC 09-01C	100	6	105	80	117	89	111	98	—	—
	OT09-03	103	6	—	—	105	96	109	100	98	108
	Secan 07-01C	97	6	104	75	121	79	118	89	—	—
	SeCan 11-05C	100	6	102	109	112	87	96	94	—	—
Experimental lines are being tested/proposed for registration in Canada											
Long Season Zone	CFS10.3.02	114	6	113	98	133	108	129	101	—	—
	DH863	92	6	99	90	108	81	96	79	—	—
	Secan 08-01C	95	6	103	76	105	80	118	91	—	—
	SeCan 11-06C	104	6	85	110	118	100	109	96	—	—
	SeCan 11-10C	99	6	94	82	122	87	107	98	—	—
	SeCan 11-11C	94	6	89	71	110	84	116	91	—	—
CHECK YIELD		OAC Prudence (bu/acre)		44	40	31	47	40	53	25	34
		CV %		11.2	5.6	7.0	7.3	7.3	4.3	7.6	11.0
		LSD %		16	8	12	13	12	8	12	20
		Sign Diff		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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ROUNDUP READY SOYBEANS

New for 2012

Variety	Previous Code	Distributor	Seed Availability
24-10RY	24-10RY	Monsanto Canada Inc.	2012
25-10RY	25-10RY	Monsanto Canada Inc.	2012
900Y61	PH10001	Pioneer Hi-Bred Ltd.	2012
900Y81	PH10002	Pioneer Hi-Bred Ltd.	2012
Chadburn R2	SC 2475	SeCan	2012
HS 006RYS24	EXP006RY24	Hyland Seeds	2012
LS006R21	LS006R21	Delmar Commodities	2012
LS008R21	LS008R21	Delmar Commodities	2012
NSC Balmoral RR2Y	NSMR2-EXP 30	Northstar Genetics Manitoba	2012
S01-K8	LS006R21	Univar Canada Ltd.	2012

Comments:

The Roundup Ready variety trial was tested and the data donated by Manitoba Pulse Growers Association.

Variety Descriptions

Manitoba Variety Zones	Company Heat Unit	Variety	Type	Relative Days to Maturity + / - Check				Yield % Check	Site Years Tested	Hilum Colour	Relative Seeds/lb	Lodging ¹ (1-5)	IDC	
				Average	2011	2010	2009						Rating (1-5)	Grouping
Short Season Zone	2375	29002RR	RR1	-5	-6	-7	-3	85	21	Y	3300	1.0	2.6	Susceptible
	2450	S00-W3	RR1	-4	-4	-6	-1	96	21	GR	3200	1.0	2.0	Semi Tolerant
	2450	900Y71	RR1	-2	0	-4	-2	102	15	IY	2700	1.0	1.8	Semi Tolerant
	Experimental lines that have been supported for registration in Canada													
		23-10RY	RR2	-3	-3	—	—	102	6	BL	2325	1.0	2.0	Semi Tolerant
		Pekko R2	RR2	-3	-3	—	—	100	5	BL	2768	1.1	1.5	Tolerant
		Sampsa R2	RR2	-1	-1	—	—	109	5	IB	2480	1.1	1.8	Semi Tolerant
		LS004R21	RR2	-1	-1	—	—	103	6	BL	2488	1.2	1.1	Tolerant
		NSC Anola RR2Y	RR2	-2	-2	—	—	104	5	BL	3170	1.4	1.4	Tolerant
		NSC Libau RR2Y	RR2	-1	-1	—	—	98	6	BL	2980	1.0	1.6	Tolerant
		PR1182713R2	RR2	-1	-1	—	—	98	5	GR	2597	1.2	1.3	Tolerant
		TH 33003R2Y	RR2	-1	-1	—	—	112	5	BR	2600	1.4	1.7	Tolerant
		Bishop	RR2	-2	-2	—	—	100	6	BL	2536	1.2	2.6	Susceptible
		TH 32004R2Y	RR2	-1	-1	—	—	112	6	BL	3200	1.2	1.4	Tolerant
Mid Season Zone	2425	24-10RY	RR2	-1	-1	—	—	105	8	IB	2398	1.1	1.5	Tolerant
	2425	LS0036RR	RR1	-1	0	-2	-1	97	32	BL	3800	1.0	1.5	Tolerant
	2450	25-04R	RR1	-1	-2	-1	0	100	36	BR	2625	1.2	1.8	Semi Tolerant
	2450	27005RR	RR1	-1	1	-2	-1	96	6	BR	3500	1.1	1.7	Tolerant
	2450	HS 006RYS24	RR2	0	0	—	—	106	5	BL	2800	1.1	2.0	Tolerant
	2475	Chadburn R2	RR2	0	0	—	—	102	5	BL	2428	1.0	1.4	Tolerant
	2500	NSC PORTAGE	RR1	0	0	0	0	100	45	BR	4092	1.3	1.8	Semi Tolerant
	2450	NSC Balmoral RR2Y	RR2	0	0	—	—	109	5	BL	2279	1.3	1.4	Tolerant
	2425	900Y61	RR1	0	0	—	—	101	11	Br	2900	1.3	—	—
	Experimental lines that have been supported for registration in Canada													
		LS003R22	RR2	0	0	—	—	106	6	BL	3000	1.2	1.9	Semi Tolerant
		NSC Elie RR2Y	RR2	0	0	—	—	109	5	BL	2600	1.2	1.2	Tolerant
		NSC Richer RR2Y	RR2	0	0	—	—	114	5	BL	2830	1.1	1.7	Semi Tolerant
		NSMR2-EXP G2	RR2	0	0	—	—	97	5	IY	2510	1.0	1.7	Semi Tolerant
		NSMR2-EXP G4	RR2	2	2	—	—	98	5	GR	2510	1.3	2.4	Susceptible
		PS 0083 R2	RR2	1	1	—	—	102	5	BL	2950	1.1	2.5	Susceptible
		TH 33007R2Y	RR2	2	2	—	—	109	6	Br	2609	1.3	2.3	Semi Tolerant
		TH 33006R2Y	RR2	2	2	—	—	99	5	IY	2855	1.8	2.7	Susceptible
		Beurling R2	RR2	1	1	—	—	102	6	BL	2389	1.5	2.1	Semi Tolerant

Manitoba Variety Zones	Company Heat Unit	Variety	Type	Relative Days to Maturity				Yield % Check	Site Years Tested	Hilum Colour	Relative Seeds/lb	Lodging ¹ (1-5)	IDC	
				Average	+ / - Check								Rating (1-5)	Grouping
					2011	2010	2009							
Season Long Zone	2475	LS0065RR	RR1	1	1	1	1	101	28	BL	3400	1.2	1.7	Tolerant
	2500	25-10RY	RR2	2	2	—	—	110	12	BL	2300	1.2	1.7	Semi Tolerant
	2500	90M01	RR1	4	3	3	6	97	31	Y	2450	1.3	1.7	Tolerant
	2500	NSC OSBORNE RR2Y	RR2	2	3	2	—	112	8	BL	2830	1.0	2.0	Semi Tolerant
	2525	LS008R21	RR2	3	3	—	—	116	7	BL	2800	1.2	2.0	Semi Tolerant
	2575	S01-K8	RR2	5	5	—	—	98	5	GR	2575	1.0	2.6	Susceptible
	2600	LAKA R2	RR2	5	5	—	—	109	5	BL	2364	1.1	1.3	Tolerant
	2650	LS006R21	RR2	2	2	—	—	104	8	BL	2650	1.1	2.0	Semi Tolerant
	2475	900Y81	RR1	3	3	—	—	101	11	IY	2150	1.0	—	—
	Experimental lines that have been supported for registration in Canada													
	TH Astro R2	RR2	3	3	—	—	118	5	—	2800	1.1	1.7	Semi Tolerant	
	NSMR2-EXP G8A	RR2	4	4	—	—	109	5	BL	2800	1.3	2.7	Susceptible	
	PR11109A3R2	RR2	4	4	—	—	119	5	BL	2732	1.0	2.2	Semi Tolerant	
	PR1176020R2	RR2	3	3	—	—	104	5	BL	2597	1.0	2.1	Semi Tolerant	
	PSX 11R2001M	RR2	3	3	—	—	111	5	BL	2360	1.1	1.6	Semi Tolerant	
	Currie R2	RR2	3	3	—	—	111	6	BL	2850	1.1	1.2	Tolerant	
CHECK CHARACTERISTICS				120	110	127	122	51	45					
NSC Portage RR				days to maturity				bu/acre		site years				

¹ Lodging ratings are averaged across Morris and St. Adophe.

² varieties did not fully mature at 1 or more sites

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ROUNDUP READY SOYBEANS (continued)

Yield Comparisons

Manitoba Variety Zone	Variety	2011 Average Yield	Site Years Tested	2011 Yield: % of NSC Portage RR							
				Arborg	Beausejour	Carman	Morris	St. Adolphe	Rosebank	Morden	Stonewall
Short Season Zone	29002RR	77	5	34	—	91	98	75	—	—	79
	S00-W3	92	5	74	—	100	97	96	—	—	91
	900Y71	100	5	90	100	101	99	104	—	—	104
	Experimental lines that have been supported for registration in Canada										
	23-10RY	102	6	84	104	108	108	101	—	—	102
	Pekko R2	100	5	88	—	99	107	107	—	—	99
	Sampsa R2	109	5	—	—	111	113	112	110	101	—
	LS004R21	102	6	83	113	112	109	103	—	—	100
	NSC Anola RR2Y	104	5	94	—	109	107	105	—	—	101
	NSC Libau RR2Y	98	6	84	102	111	95	104	—	—	90
	PR1182713R2	98	5	80	—	108	103	102	—	—	93
	TH 33003R2Y	112	5	—	—	123	98	101	108	123	—
	Bishop	100	5	85	—	107	104	100	—	—	99
	TH 32004R2Y	111	6	—	118	107	122	107	108	114	—
Mid Season Zone	25-04R	100	8	80	104	112	91	103	98	110	98
	24-10RY	105	8	83	93	113	117	100	100	115	103
	Chadburn R2	102	5	89	—	113	103	98	—	—	105
	LS0036RR	97	6	90	80	108	102	97	—	—	84
	27005RR	104	4	—	95	102	95	—	107	112	—
	HS 006RYS24	106	5	92	—	115	114	110	—	—	96
	NSC PORTAGE RR	100	8	100	100	100	100	100	100	100	100
	900Y61	96	6	89	90	105	97	93	—	—	92
	NSC Balmoral RR2Y	109	5	103	—	113	111	113	—	—	104
	Experimental lines that have been supported for registration in Canada										
	LS003R22	104	6	77	128	110	110	112	—	—	104
	NSC Elie RR2Y	109	5	100	—	112	114	111	—	—	105
	NSC Richer RR2Y	114	5	97	—	123	113	121	—	—	110
	NSMR2-EXP G2	97	5	76	—	104	108	102	—	—	92
Long Season Zone	NSMR2-EXP G4	98	5	83	—	109	95	110	—	—	90
	PS 0083 R2	102	5	89	—	106	106	97	—	—	106
	TH 33007R2Y	109	6	—	111	113	102	113	105	111	—
	TH 33006R2Y	99	6	—	103	103	103	98	91	98	—
	Beurling R2	101	6	84	109	105	105	106	—	—	101
	LS0065RR	109	5	—	—	110	105	108	111	112	—
	LS006R21	103	8	85	112	115	113	108	95	103	96
	90M01	100	5	—	93	106	104	98	94	95	—
	25-10RY	112	5	—	—	116	99	108	108	125	—
	LS008R21	110	5	—	—	108	97	106	112	122	—
	S01-K8	98	5	—	—	96	101	109	93	92	—
	Laka R2	109	5	—	—	104	98	118	105	121	—
	NSC OSBORNE RR2Y	111	8	100	116	110	107	113	111	121	116
	900Y81	96	6	77	101	105	112	92	—	—	87
	Experimental lines that have been supported for registration in Canada										
	TH Astra R2	118	5	—	—	117	110	119	102	136	—
	NSMR2-EXP G8A	109	5	104	—	111	106	119	—	—	105
	PR11109A3R2	119	5	—	—	123	118	126	98	129	—
	PR1176020R2	104	5	—	—	108	93	112	102	102	—
	PSX 11R2001M	111	5	—	—	122	105	109	102	115	—
	Currie R2	111	6	99	115	115	116	107	—	—	113
CHECK YIELD		NSC Portage RR (bu/acre)		51	21	37	34	40	48	35	34
		CV%		6.1	6.4	6.5	6.4	7.1	6.3	7.7	9.2
		LSD%		11	11	11	11	12	12	12	13
		Sign Diff		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Comments:

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

All sunflower varieties currently available are susceptible to sclerotinia rot. Weather conditions and presence of sclerotinia inoculum play a major role in disease development and severity.

Variety Descriptions

Company	Variety	Herb Type	DMR	Yield (lb/acre)			% Nutmeat ¹	Days to Maturity ²	Height (inches) ²	Disease Resistance to:		
				2011		2010				Verticillium		Downy ⁴
				Minto	Morden	Summary				Rust ³	Wilt	Mildew
Seeds 2000	6946	—	N	1976	3150	2486	58	120	67	HS	MR	S
Seeds 2000	6946 DMR	—	Y	2063	3358	2639	56	119	68	S	MR	R
Seeds 2000	6950	—	N	2080	3270	2981	54	121	70	HS	MR	S
SYNGENTA Seed	IS 8135	—	N	2109	3326	—	45	119	70	HS	MS	S
Seeds 2000	Jaguar	CL	N	1961	2951	2659	48	118	67	HS	MR	S
Seeds 2000	Panther DMR	—	Y	2116	2939	3011	48	120	68	S	MS	R
Dow AgroSciences	8C451	—	N	—	4085	—	48	124	72	HS	MS	S
Varieties that are being tested or proposed for registration												
SYNGENTA Seed	F39018	—	N	1821	2638	—	52	123	72	HS	MR	S
CHS Sunflower	RH400 CL	CL	N	2309	3386	2343	44	118	71	HS	MS	S
Seeds 2000	Sundance DMR	—	Y	2149	3313	—	48	120	72	HS	MR	MR
Seeds 2000	X3213 DMR	—	Y	—	3233	—	51	122	73	HS	MS	R
Seeds 2000	X5913 DMR	—	Y	—	3648	—	52	118	71	HS	MS	R
Seeds 2000	X9180 EX DMR	ExSun	Y	—	3454	—	52	121	73	HS	MS	MR
Grand Mean (lbs/ac)				1991	3278	2544						
CV%				11.6	11.8							
LSD (lbs/ac)				394	—							
Sign Diff				Yes	No							
Site Years				1	1	4						

1 % Nutmeat measurement taken from samples harvested at Morden location trials. One year, one location only data.

2 Average height and maturity derived from data collected in the MCVET Sunflower trials in 2009-2011 and the MSC trials. Data from all sites accepted for yield.

3 Reaction indicated is to Races 2, 3, and 4 under controlled indoor conditions.

4 Reaction indicated is to Race 2.

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SUNFLOWERS - OIL TYPE

Comments:

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

All sunflower varieties currently available are susceptible to sclerotinia rot. Weather conditions and presence of sclerotinia inoculum play a major role in disease development and severity.

Variety Descriptions

Company	Variety	Oil Type	Herb Type	DMR	Yield (bu/acre)			Days to Maturity ¹	Height (inches) ¹	Resistance to:		
					2011 Minto	2010 Morden	Summary			Verticillium Rust ²	Downey Wilt	Mildew ³
SYNGENTA Seed	IS 3480 CL	NS	CL	Y	2478	2257	1973	126	67	HS	MR	R
Pioneer Hi-Bred	63M80	NS	—	Y	—	—	2609	127	66	S	MR	R
Pioneer Hi-Bred	63N82	NS	ExSun	N	—	2139	2171	130	68	HS	MR	S
Seeds 2000	Defender Plus DMR	NS	—	Y	2569	2144	2611	123	62	HS	MR	R
SYNGENTA Seed	IS 29-30 NS/DM	NS	—	Y	—	—	2454	123	69	HS	MR	R
SYNGENTA Seed	IS 3433 NS/DM	NS	—	Y	—	—	2305	127	64	HS	MR	MR
Varieties that are being tested or proposed for registration												
Elite Seeds	Balistic	Trad	CL	Y	2655	2076	—	127	72	HS	MR	R
Elite Seeds	Biba	Trad	—	Y	2766	2018	—	127	69	HS	MR	MR
Seeds 2000	Cobalt	HO	CL	Y	2786	2300	—	125	60	HS	MR	R
Elite Seeds	Ethic	Trad	—	N	2190	2116	—	127	76	HS	MR	S
Seeds 2000	Falcon	NS	ExSun	N	2369	2175	—	128	63	HS	MR	S
Pioneer HiBred	P63ME70	NS	ExSun	Y	2550	3099	—	127	67	HS	MR	MR
Pioneer HiBred	P63ME80	NS	ExSun	Y	1895	2246	—	126	68	R	MR	R
Elite Seeds	Pomar	Trad	—	Y	2703	2084	—	129	72	HS	MR	MR
Grand Mean (lbs/ac)					2387	2241	2334					
CV%					14.5	9.6						
LSD (lbs/ac)					606	312						
Sign Diff					Yes	Yes						
Site Years					1	1	3					

1 Average height and maturity derived from data collected in the MCVET Sunflower trials in 2009-2011 and the MSC trials. Data from all sites accepted for yield.

2 Reaction indicated is to Races 2, 3, and 4 under controlled indoor conditions.

3 Reaction indicated is to Race 2.

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Distributor Contacts for Varieties in Seed Manitoba 2012

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

AC Carnduff	SeCan
AC Emerson	SeCan
AC Watson	Viterra
CDC Arras	FP Genetics
CDC Bethune	SeCan
CDC Sanctuary	SeCan
CDC Sorrel	SeCan
CDC Valour	SeCan
Flanders	SeCan
Hanley	SeCan
Lightning	CANTERRA SEEDS
Macbeth	Viterra
NorLin	SeCan
Prairie Blue	SeCan
Prairie Grande	SeCan
Prairie Sapphire	Alliance Seed Corporation
Prairie Thunder	CANTERRA SEEDS
Taurus	FP Genetics
Vimy	SeCan

CONVENTIONAL SOYBEANS

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NATTO SOYBEANS

QGC 10N	Quarry Seeds Ltd.
QGC 12N	Quarry Seeds Ltd.

ROUNDUP READY SOYBEANS

24-60 RY	Monsanto Canada Inc.
25-04 RY	Monsanto Canada Inc.
25-10 RY	Monsanto Canada Inc.
27005RR	Quarry Seeds Ltd.
29002RR	Quarry Seeds Ltd.
90A06	Pioneer Hi-Bred Ltd.
90M01	Pioneer Hi-Bred Ltd.
900Y71	Pioneer Hi-Bred Ltd.

ROUNDUP READY SOYBEANS

Chadburn R2	Secan
HS 006RYS24	Hyland Seeds
LS 0028RR	Delmar Commodities
LS 0036RR	Delmar Commodities
LS 0065RR	Delmar Commodities
LS006R21	Delmar Commodities
LS008R21	Delmar Commodities
NSC Portage RR	North Star Genetics Manitoba
NSC Warren RR	North Star Genetics Manitoba
NSC OSBORNE RR2Y	North Star Genetics Manitoba
PS 0027 RR	PRIDE Seeds
RR Rosco	Hyland Seeds
S01-K8	Univar Canada Ltd.
S00-W3	Univar Canada Ltd.

SUNFLOWERS

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

DISTRIBUTOR

PHONE NUMBER

Alliance Seed Corporation	1-877-270-2890
Bayer CropScience	1-888-283-6847
Brett Young	1-800-665-5015
CANTERRA SEEDS	1-877-439-7333
Cargill	1-204-947-0141
CHS Sunflower	1-701-484-5313
Delmar Commodities	1-888-974-7246
Dow AgroSciences	1-800-667-3852
FP Genetics	1-877-791-1045
Hyland Seeds	1-204-745-7656
La Coop Federee	1-514-384-6450
Monsanto Canada Inc. (DEKALB)	1-800-667-4944
North Star Genetics Manitoba	1-701-454-6427
Pioneer Hi-Bred Ltd.	1-800-265-9435
PRIDE Seeds	1-800-265-5280
Quarry Seeds Ltd.	1-888-274-9243
SeCan	1-800-665-7333
Seeds 2000	1-877-841-7447
Syngenta Seeds Canada Inc.	1-877-964-3682
Univar Canada Ltd.	1-204-928-7248
Viterra	1-800-569-4411



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Growers List



CANOLA

S=Select; F=Foundation; R=Registered; C=Certified; ☼ Indicates Plant Breeders' Rights protected. Other varieties may have PBR protection pending.

1818☼

High Bluff; Lytle, Robert 204-857-9950 C

1918☼

Fannystelle; Nadeau, Brian 204-436-2469 C
High Bluff; Lytle, Robert 204-857-9950 C
Winnipeg; Canterra Seeds Ltd. 204-988-9750 C
Winnipeg; Canterra Seeds Ltd. 204-988-9750 C

997 RR

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

NX4-106RR

Calgary; Dow Agrosiences Canada 403-735-8838 C

NX4-107RR

Calgary; Dow Agrosiences Canada 403-735-8838 C

RED RIVER 1997

Regina; Viterra 306-569-5027 C

FLAX

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CDC BETHUNE☼

Carman; Elias, Isaac 204-745-3301 C
Crystal City; Buchanan, Kenneth S. & Dean K. 204-873-2661 C
Domain; Manness, Clayton & Scott & Alan 204-736-2922 R C
Fannystelle; Nadeau, Brian 204-436-2469 C
Notre Dame; Durand, Gabriel A. & Marc 204-248-2268 C
Oak Bluff; Anseeuw , Mark J. 204-895-8375 C
Oak River; Henry, Cameron & Mc Lean, Eric 204-566-2422 C
Rossburn; Mitchell, John 204-859-2431 C
Souris; Kohut, Anton 204-483-2004 C

CDC SORREL☼

Carman; Menold, Thomas 204-745-3377 C
Domain; Pitura, Carl & Calvin C. 204-736-2849 R C
Elie; Lachance, J.B. Adrien & Paul M. & Lionel 204-353-2694 C
Foxwarren; Graham, George Arthur 204-683-2367 C
Notre Dame; Durand, Gabriel A. & Marc 204-248-2268 R C
Portage; Pugh, William G. & B.M. 204-274-2179 C
Rosser; Krym, Lynden 204-467-5143 C
Sanford; Bergen, Edward Harry & Tim 204-736-2278 F
Sanford; Schlichting, Martin 204-736-4068 R
Somerset; Van Deynze, Marc 204-744-2384 C
Stonewall; Unger, Ronald K. & Darcy 204-467-8630 C
Wawanesa; Ellis, Warren P. & Simon 204-824-2290 C

Twist and Roll



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Plum Coulee, MB

FLAX

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HANLEY☼

Domain; Wiens, Robert Frank	204-736-2951	R
Elm Creek; Poulsen, Francis E.	204-436-2284	C
Killarney; Chatham, Don & Linda	204-523-8412	C
La Salle; Wiens, Edward & Ernie	204-736-2646	R
Sanford; Bergen, Edward Harry & Tim	204-736-2278	FR
St Leon; Labossiere, Luc N. & Rejean R.	204-744-2208	C
Winnipeg; James, David J. & Dorothy	204-222-8785	R

LIGHTNING☼

Holland; Patenaude, Donald & Robert	204-526-2391	C
Holland; Zeghers, Donald Edmond	204-526-2145	C
Somerset; Sierens, Joseph & Chris	204-744-2883	R

Praire Sapphire☼

Altamont; Madill, Douglas	204-435-2734	R
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TAURUS☼

Gladstone; Milne, Wilmot George	204-385-2486	C
Oak River; Henry, Cameron & Mc Lean, Eric	204-566-2422	C

VT50☼

Dauphin; Kaleta, James & Debra	204-638-8587	R
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SOYBEANS

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24-10RY

Dufrost; Catellier, Patrick Raymond	204-347-5503	C
Tillsonburg; Monsanto Canada Inc.	519-688-9888	S R C

25-10RY

St Norbert ; Brett-Young Seeds Limited	204-261-7932	R
Tillsonburg; Monsanto Canada Inc.	519-688-9888	R

27005RR

Stonewall; Quarry Seeds Ltd.	204-467-8877	C
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29002RR

Stonewall; Quarry Seeds Ltd.	204-467-8877	C
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900Y61☼

Chatham; Pioneer Hi-Bred Production Ltd.	800-265-0554	S F R C
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900Y71☼

Chatham; Pioneer Hi-Bred Production Ltd.	800-265-0554	S R C
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900Y81☼

Chatham; Pioneer Hi-Bred Production Ltd.	800-265-0554	S R
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CHADBURN R2

Carman; Menold, Thomas	204-745-3377	R
Carman; Menold, Ulrich	204-745-2822	S
Dufrost; Catellier, Patrick Raymond	204-347-5503	R
Hazelridge; Saramaga, Robert P. & Andrew	204-755-2817	S R
Oakville; Miller, Darcy Charles	204-267-2283	R
Plum Coulee; Janzen, Ken & Ernie A.	204-829-7749	S F
Portage; Askin, Raymond T. & Jeffrey S.	204-274-2417	R
Rosser; Krym, Lynden	204-467-5143	R
Sanford; Bergen, Edward Harry & Tim	204-736-2278	R
St Anne; Dueck, Jacob Eldon, Brian J. & Ken G.	204-355-4495	R
Stonewall; Unger, Ronald K. & Darcy	204-467-8630	R
Warren; Riddell, Clifford Royden & Craig Thomas	204-227-5679	S
Whitemouth; Klepatz, Wayne	204-348-2294	R

HS006RYS24

Plum Coulee; Janzen, Ken & Ernie A.	204-829-7749	R
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LS006R21

Sanford; Bergen, Edward Harry & Tim	204-736-2278	C
Winkler; Delmar Commodity Ltd.,		C
Winkler; Ens, Abram E. & Christopher & Friesen, Jake	204-325-4658	C

NSC BALMORAL RR2Y

Domain; Manness, Ronald & Patricia & Graeme	204-736-2622	R
Domain; Pitura, Carl & Calvin C.	204-736-2849	R
Homewood; Froebe, Earl W., Bruce D. & Murray	204-745-2868	R
Morris; Friesen, Rick & Lloyd	204-746-8325	R

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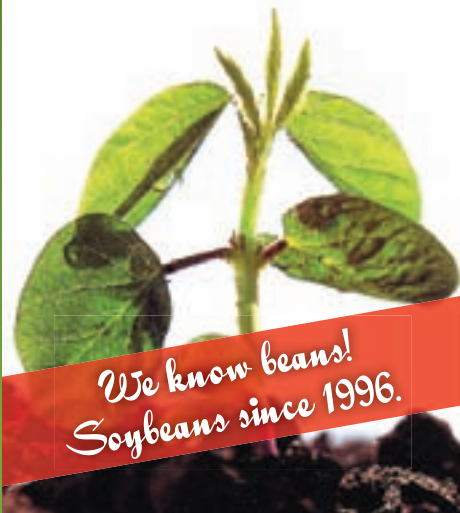
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Hybrid	Yield
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*DATA FROM 2010 VITERRA CANOLA TRIAL DATA.

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Guy Cadrain, Leask, Saskatchewan

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NSC OSBORNE RR2Y

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

OAC ERIN

Homewood; Froebe, Earl W., Bruce D. & Murray 204-745-2868 C

OAC PRUDENCE

Carman; Menold, Ulrich 204-745-2822 S
Morris; Hamblin, Donald & Bradley 204-746-8233 C

PS0027RR

Chatham; Agreliant Genetics Inc. 519-354-3210 R C

RR ROSCO

Plum Coulee; Janzen, Ken & Ernie A. 204-829-7749 R

S00-W3

Cottam; Syngenta Seeds Canada, Inc. 519-839-4851 C
Holland; Zeghers, Donald Edmond 204-526-2145 C



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PEAS

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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, # of site years, % protein and any other check attributes.

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

Resistance to 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. The more site years the more dependable the data.

Ⓒ Indicates a variety that is protected by Plant Breeders Rights or a variety where protection has been applied for but not yet granted at time of printing.

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

Key to 2011 Yield Tables

Yields derived over two or more growing seasons are the best indicator of variety performance. For new varieties, 2011 Average Yield over all sites is more reliable than data from a single location. Use single site year data with caution.

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

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

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

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Manitoba Agriculture, Food and Rural Initiatives Variety Guide

BUCKWHEAT

Comments:

Buckwheat was last tested in 2008.

Buckwheat data was partially sponsored by the Manitoba Buckwheat Growers Association.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Days to 50% Bloom +/- Check	Height +/- Check
AC Manisoba	106	31	-1	4
AC Springfield	98	33	1	1
Koma	101	9	2	6
Koto	105	20	0	3
Mancan	100	41	0	0
Manor	101	25	—	—
CHECK CHARACTERISTICS				
Mancan	1681 lb/acre	41 site years	45 days	39 inches

CANARY SEED

Comments:

Canary Seed 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.

GRAIN CORN

Comments:

The 2011 grain corn hybrid trials were tested and the data donated by the Manitoba Corn Committee.

The trial locations for 2011 were Carman, Reinland, MacGregor, St.Pierre and Melita. However, only Reinland and St.Pierre data was available for publication. Carman site data will be available online at www.seedmb.ca in January.

All hybrids are evaluated at a plant population of 26,000 plants per acre. Plots are planted at a higher rate and thinned to achieve the target population. Reinland was planted May 25 & St.Pierre May 20.

Reinland was harvested October 6 & St.Pierre October 15.

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

The Manitoba Corn Committee publishes the annual results with all locations along with long term data in their brochure, which is available at the Manitoba Corn Grower's Association office (204-745-6661) and at local Manitoba Agriculture, Food & Rural Initiatives offices.

CHU ¹	Hybrid	Traits ²	Distributor	Reinland		St. Pierre			
				Yield (bu/ac)	Moisture ³ (%)	Yield (bu/ac)	Moisture ³ (%)	Density (lb/bu)	Silking (50%)
2000	39F44	RR2	Pioneer Hi-Bred	111	21.1	80	16.2	59.8	63
2050	P7213R	RR2	Pioneer Hi-Bred	123	15.3	118	15.7	59.4	67
2075	A4022RR	RR2	PRIDE Seeds	123	20.0	122	17.1	55.8	73
2100	A4023BTRR	BT/RR2	PRIDE Seeds	122	18.8	126	16.1	56.0	74
2100	A4170RR	RR	PRIDE Seeds	133	20.2	139	16.7	56.5	71
2100	P7535R	RR2	Pioneer Hi-Bred	129	16.7	120	17.1	57.2	72
2100	P7443R	RR2	Pioneer Hi-Bred	146	14.6	132	15.5	58.1	72
2100	X0425	—	BrettYoung	134	16.1	—	—	—	—
2100	LR9074 RR	YGCB/RR	Delmar Commodities	124	19.4	121	16.7	57.0	74
2125	A4176BTRR	BT/RR2	PRIDE Seeds	111	21.7	134	17.2	55.7	72
2125	DKC26-25	—	Monsanto Canada	127	17.9	—	—	—	—
2125	LR9975 RR	RR2	Delmar Commodities	133	20.1	121	17.0	54.8	75
2125	LR9780 RR	RR2	Delmar Commodities	—	—	127	16.9	52.7	76
2150	30A27 RR	RR	BrettYoung	110	19.7	128	16.7	59.1	69
2150	P7535HR	HX1/LL/RR2	Pioneer Hi-Bred	109	20.1	132	17.1	57.5	69
2150	2304RR	RR2	PICKSEED	152	19.0	119	17.2	55.9	72
2175	DKC27-54	RR	Monsanto Canada	158	18.6	132	17.7	58.2	73
2175	39D95	RR2	Pioneer Hi-Bred	144	17.5	133	15.5	57.9	74
2200	A4240RR	RR	PRIDE Seeds	142	18.9	133	16.8	57.4	72
2200	MZ 1261RR	YGCB/RR2	Maizex Seeds Inc.	121	21.3	148	16.4	58.3	67
2200	2219RR	RR2	PICKSEED	131	20.1	117	16.8	54.6	75
2200	SiEx BTRR	YGCB/RR2	PICKSEED	132	26.4	151	18.0	55.9	72
2200	HL R208	RR	Hyland Seeds	134	18.2	102	15.6	58.3	71
2200	N04F-3000GT	GT/CB/LL/RW	Syngenta Seeds	136	17.4	116	15.8	57.9	73
2200	39B90	RR2	Pioneer Hi-Bred	139	17.0	116	15.6	58.2	70
2200	DKC28-76	—	Monsanto Canada	102	19.9	—	—	—	—
2200	PP EXP178	RR	Prairie Pacific Seeds	129	22.0	132	16.6	54.2	76
2250	LF 690R	RR2	Maizex Seeds Inc.	118	21.4	129	16.5	56.3	72
2250	HL B18R	YGBT/RR	Hyland Seeds	130	22.8	112	16.7	58.3	71
2250	BAXXOS RR	RR	Hyland Seeds	145	24.6	125	18.1	57.3	71
2250	HL B16R	YGCB/RR	Hyland Seeds	146	23.5	117	17.7	58.4	71
2250	39Z69	HX1/LL/RR2	Pioneer Hi-Bred	132	15.9	128	17.0	58.3	73
2250	39B94	HX1/LL/RR2	Pioneer Hi-Bred	127	18.2	123	15.2	59.5	73
2250	39D97	HX1/LL/RR2	Pioneer Hi-Bred	144	17.1	122	16.2	57.1	74
2250	EX1111	GT	Maizex Seeds Inc.	145	14.0	—	—	—	—
2300	A4632G3	VT3	PRIDE Seeds	125	21.2	121	17.8	56.5	75
2300	MZ 1440R	RR2	Maizex Seeds Inc.	141	18.0	122	16.9	58.8	72
2300	EX1104	GT	Maizex Seeds Inc.	139	21.3	—	—	—	—
2300	PP2146	RR	Prairie Pacific Seeds	138	24.5	142	17.3	56.0	69
2325	2411GT/CB/LL	GT/CB/LL	PICKSEED	118	20.9	107	17.0	55.5	76
2325	DKC30-20	RR/YGCB/YGRW	Monsanto Canada	151	16.8	136	16.3	56.8	74
2350	20T47 RR	RR	BrettYoung	136	20.2	113	17.8	55.3	74
2350	E50G27R	RR	BrettYoung	144	22.2	147	17.2	54.2	75
2350	A4880G3	VT3	PRIDE Seeds	138	21.4	140	16.3	53.6	76
2350	MZ 1445CBR	VT3/RR2	Maizex Seeds Inc.	133	18.0	119	17.3	57.5	73
2350	MZ 1677R	RR2	Maizex Seeds Inc.	124	21.0	116	16.6	56.9	72
2350	HL 3085	RR	Hyland Seeds	131	20.3	130	16.8	57.2	74
2350	HL B22R	YGCB/RR	Hyland Seeds	124	22.3	116	16.9	55.4	75
2350	N08-GT/CB/LL	GT/CB/LL	Syngenta Seeds	118	15.1	124	15.6	54.7	76
2350	N09T-3111	BL/GT/CG/LL/RW	Syngenta Seeds	111	23.4	120	17.8	55.6	76
2350	39V05	RR2	Pioneer Hi-Bred	136	14.6	132	15.8	57.5	73
2350	EX0152	—	Maizex Seeds Inc.	132	16.9	—	—	—	—

CHU ¹	Hybrid	Traits ²	Distributor	Reinland		St. Pierre			
				Yield (bu/ac)	Moisture ³ (%)	Yield (bu/ac)	Moisture ³ (%)	Density (lb/bu)	Silking (50%)
2350	EX1101	—	Maizex Seeds Inc.	127	16.0	—	—	—	—
2375	X8756	RR	BrettYoung	138	22.9	134	18.0	54.9	73
2380	2771 GT	GT	SEEDS 2000	140	21.4	126	16.5	54.4	73
2400	20T18 RR	RR	BrettYoung	131	25.7	136	17.6	55.7	71
2400	X2319	RR	BrettYoung	126	19.1	139	16.8	54.8	76
2400	N12R-3000GT	GT/CB/LL/RW	Syngenta Seeds	119	20.6	120	17.6	54.2	76
2400	P8107HR	HX1/LL/RR2	Pioneer Hi-Bred	132	19.7	143	16.9	55.1	71
2420	2781 RR	RR	SEEDS 2000	132	20.0	117	17.1	56.5	73
2450	MZ 1820R	GT	Maizex Seeds Inc.	110	18.6	119	16.7	55.5	76
2450	8105	SSTX	Hyland Seeds	140	17.8	131	15.5	57.0	76
2450	8098	SSTS	Hyland Seeds	117	26.1	124	17.6	54.1	79
2525	N16Z-3000GT	GT/CB/LL/RW	Syngenta Seeds	121	23.9	144	17.4	54.0	75
2575	DKC33-97	RR/YGCB/YGRW/SSTX	Monsanto Canada	117	20.7	114	15.9	56.0	77
2575	DKC35-43	RR/YGCB/YGRW	Monsanto Canada	125	22.1	135	16.9	55.8	78
2575	P8581R	RR2	Pioneer Hi-Bred	145	25.0	—	—	—	—
2600	N20Y-3000GT	GT/CB/LL/RW	Syngenta Seeds	126	21.5	133	17.3	53.0	76
2600	N19G-3000GT	GT/CB/LL/RW	Syngenta Seeds	112	22.8	148	18.8	53.2	78
2650	DKC37-41	RR/YGCB/YGRW/SSTX	Monsanto Canada	150	25.1	130	18.5	53.4	77
2650	DKC42-72	RR/YGCB/YGRW	Monsanto Canada	142	23.3	130	19.2	52.7	77
Site Average				130	20.1	126	16.9	56.3	73
CV				7.2	6.2	8.3	4.2	2.2	3.2
Sign				Yes	Yes	Yes	Yes	Yes	Yes
LSD				15	2.0	17	1.1	2.0	4

1 Each company assigns a corn heat unit (CHU) rating to each of their hybrids. The CHU rating is a measure of relative maturity and is one criteria for choosing a hybrid 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 Traits: BT, HX1, CB, YGCB, VT3 - resistance to European corn borer; RR, RR2 - Roundup herbicide tolerant; GT - glyphosate herbicide tolerant; LL - Liberty herbicide tolerant; YGRW, RW - resistance to rootworm; SSTX - SmartStax.

3 Moisture content at harvest.



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FABABEANS

Comments:

The fababean variety trial was tested and the data donated by Manitoba Pulse Growers Association.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Type ¹	Seed Size TKW (g)	Tannin ¹ 2011 Yield % of CDC Fatima		Zero Tannin ¹ 2011 Yield % of Snowbird	
					Arborg	Roblin	Arborg	Roblin
CDC Fatima	100	30	Tannin	523	100	100	—	—
Florent	103	8	Tannin	523	105	117	—	—
Taboar☉	95	10	Tannin	471	103	114	—	—
Snowbird☉	100	8	Zero Tannin	502	—	—	100	100
Varieties that have been supported for registration								
FB34-2	93	5	Zero Tannin	347	—	—	93	89
Divine	102	11	Tannin	551	109	111	—	—
Melodie	108	11	Tannin	516	122	128	—	—
CHECK CHARACTERISTICS					CDC Fatima (lb/acre)			
CDC Fatima	3628 lb/acre	30 site years			5363	4551		
					CV %	11.8	4.8	
					LSD%	13	13	
					Sign Diff	Yes	Yes	
					CDC Snowbird (lb/acre)			
CDC Snowbird	4927 lb/acre	8 site years					5457	4399
							CV %	11.8
							LSD%	4.8
							Sign Diff	17
								7
							Yes	Yes

1 Traditionally tannin fababean tan coloured seed coats contain tannins and can't be fed directly to livestock. Zero tannin fababeans have white seed coats and can be fed directly to livestock.

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.

Consult your local MASC agent for information on insurability of edible beans in your area.

Variety Descriptions

Bean Class	Variety	Years Tested					Check	Years Tested	Days to ¹ Maturity	Plant ² Type
		2011	2010	2008	2007	2006				
Small Seeded Types							% Envoy		+/- Envoy	
Navy	Envoy	x	x	x	x	x	100	30	0	I
Navy	Skyline	x	x				98	2	3	I
Navy	Lightning	x	x				142	2	3	II
Navy	OAC 05-1	x					141	2	-4	I
Navy	1190m-13	x					135	2	-2	II
Black	Carman	x					123	1	3	II
Black	CDC Jet	x	x	x	x	x	109	21	2	II
Black	CDC Blackcomb	x	x	x			107	7	3	II
Large Seeded Types							% CDC Pintium		+/- CDC Pintium	
Pinto	AC Ole	x	x	x			122	11	8	II
Pinto	CDC Pintium	x	x	x	x	x	100	30	0	I
Pinto	Island	x	x	x			114	7	1	II
Pinto	Mariah	x	x				162	2	5	II
Pinto	Winmor	x	x	x			134	4	3	II
Pinto	Wm-2	x	x				117	2	3	II
Pink	2171-2	x					113	2	1	I
Pale Yellow	CDC Sol	x					110	2	19	I
CHECK CHARACTERISTICS							Yield	Site	Days to	
	Bean Grouping	Check Varieties					(lbs/acre)	Years	Maturity	
	Small seeded	Envoy					1779	30	103	
	Large seeded	CDC Pintium					2016	30	101	

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

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FIELD BEANS — Wide Row Trials

Varieties or Lines Tested for the First Time in 2011

Navy: 07073,NA06-002

Pinto: 06185,06189,06185,06189,Sinaloa,PIN DJ09-1012,C6V-1237

Black: 04352,06253

Yellow: 08560863

Comments:

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

Long term yield data and days to maturity are from Manitoba Pulse Growers Association Trials conducted by Agriculture and Agri-food Canada. Results are from row crop trials located at Morden, Portage, Carman/Graysville, and Winkler/Plum Coulee sites.

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. Consult your local MASC agent for information on insurability of edible beans in your area.

Variety Descriptions¹

MARKET CLASS/Variety	Years Tested					Yield %	Site Years	Days to ² Maturity
	2011	2010	2009	2008	2007	Check	Tested	+/- Check
NAVY						% of Envoy		+/- Envoy
AC Cruiser	x	x	x	x	x	123	37	6
Cargo	x	x	x	x	x	104	33	-1
Envoy	x	x	x	x	x	100	53	0
Galley	x	x	x	x	x	113	22	3
GTS 546			x	x	x	90	12	0
HY4181	x	x	x			163	5	2
Lightning	x	x	x	x		128	13	1
Morden 003			x	x	x	97	17	-2
Octane	x	x		x		96	9	-3
Portage	x	x	x			130	9	1
Skyline	x	x		x		93	9	1
T9903	x	x	x	x	x	118	29	1
T9905	x	x	x			138	9	6
Varieties that are registered in the US or being tested or proposed for registration in Canada								
07073	x					100	4	4
H96048		x	x			176	5	6
HR177		x	x			178	5	2
Indy		x				228	1	5
N5039540		x				261	1	4
N5059541		x				231	1	1
NA06-002	x					80	4	5
OAC 05-1	x	x				103	13	-4
PINTO						% of Maverick		+/- Maverick
AC Ole	x	x	x	x	x	103	33	-1
AC Pintoba	x	x	x		x	108	36	0
Agrinto			x	x	x	94	12	-5
Island			x	x	x	90	11	-4
Mariah	x	x	x	x		98	13	-1
Maverick	x	x	x	x	x	100	40	0
Medicine Hat			x	x		93	12	-4
Pecos			x		x	97	8	-1
Winchester	x					97	14	-2
Windbreaker	x	x	x	x	x	111	22	0
Winmor		x	x	x	x	86	13	0
Varieties that are registered in the US or being tested or proposed for registration in Canada								
06185	x					104	4	3
06187		x				113	2	2
06189	x					105	7	2
cob 2824-99	x	x				105	6	-2
GTS 907	x	x				112	6	0
La Paz	x	x	x	x		105	14	1

MARKET CLASS/Variety	Years Tested					Yield %	Site Years	Days to ² Maturity
	2011	2010	2009	2008	2007	Check	Tested	+/- Check
Sinaloa	x					110	7	2
PIN DJ09-1012	x					119	4	-1
C6V-1237	x					108	4	-2
P7025613		x				74	2	-2
P7025615		x				84	2	-3
BLACK						% of Eclipse		+/- Eclipse
Black Violet	x	x	x	x	x	96	18	dfm ³
Carman Black	x	x	x	x		99	9	1
CDC Jet	x	x	x	x	x	93	18	0
Eclipse	x	x	x	x		100	18	0
CDC Superjet		x	x			87	6	0
Varieties that are registered in the US or being tested or proposed for registration in Canada								
04352	x					84	4	4
06252	x	x	x			84	9	3
06253	x					79	4	1
Bandit	x	x				75	6	dfm ³
Black Velvet		x				103	6	3
PINK						% of ROG 922		+/- ROG 922
Varieties that are registered in the US or being tested or proposed for registration in Canada								
Pink Floyd			x	x	x	109	8	0
ROG 922	x		x	x		100	12	0
SMALL RED						% of AC Earlired		+/- AC Earlired
AC Earlired	x		x	x	x	100	40	0
AC Redbond					x	104	5	3
AC Scarlet					x	114	20	8
Varieties that are registered in the US or being tested or proposed for registration in Canada								
09304	x					122	4	7
Red Ryder				x		94	4	6
GS780			x			126	4	7
SR05-008			x			106	4	1
CRANBERRY						% of Cran 09		+/- Cran 09
Cran 09	x	x	x	x	x	100	41	0
Etna	x	x	x	x	x	101	33	2
Red Rider	x	x				87	7	dfm ³
Varieties that are registered in the US or being tested or proposed for registration in Canada								
BRB-DJ09-1015		x				197	3	8
BRB-DJ09-1031		x				113	3	-2
GREAT NORTHERN						% of Beryl		+/- Beryl
AC Polaris				x	x	102	20	-1
Beryl			x	x	x	100	44	0
Varieties that are registered in the US or being tested or proposed for registration in Canada								
99118			x			104	4	5
99136			x			111	4	3
Gemini			x			97	4	0
HR 185				x		79	4	1
Orion				x	x	108	8	0
DARK RED KIDNEY						% of ROG802		+/- ROG802
OAC Redstar	x	x				105	7	dfm ³
ROG802		x	x	x		100	31	0
Varieties that are registered in the US or being tested or proposed for registration in Canada								
Cabernet		x		x		77	18	2
Majesty		x				104	3	4
Red Rover		x				67	3	1
LIGHT RED KIDNEY						% of Pink Panther		+/-Pink Panther
Foxfire	x	x	x	x		94	31	-3
Pink Panther	x	x	x	x		100	31	0

FIELD BEANS (*continued*)

MARKET CLASS/Variety	Years Tested					Yield %	Site Years	Days to ² Maturity
	2011	2010	2009	2008	2007	Check	Tested	+/- Check
Varieties that are registered in the US or being tested or proposed for registration in Canada								
Clouseau		x		x		108	3.0	3
L945138.1		x				84	3.0	1
Lyrik		x				97	3.0	0
White Kidney						% of ROG802		+/- ROG802
Gts 402	x					101	11	-3
YELLOW						% of Maverick		+/- Maverick
Varieties that are registered in the US or being tested or proposed for registration in Canada								
CDC Sol		x				99	6	dfm ³
8560863	x					66	4	dfm ³
			First Year Tested			Yield lbs/acre	Site Years Tested	Days to Maturity
Check Varieties	Bean Type							
Envoy	Navy		1994			2038	53	100
Maverick	Pinto		2005			2561	40	99
Eclipse	Black		2005			2281	18	100
ROG 922	Pink		2005			1964	12	100
AC Earlired	Small Red		1999			2282	40	95
Cran 09	Cranberry		2000			1892	41	101
Beryl	Great Northern		2002			2468	44	100
ROG802	Dark Red Kidney		1997			1728	31	101
Pink Panther	Light Red Kidney		2001			2052	31	100

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 the risk of frost damage and lower returns.

3 Variety did not fully mature at 1 or more sites.

INDUSTRIAL HEMP

Comments:

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

THC testing for some varieties is required.

Please check Health Canada's List of Approved Cultivars (www.hc-sc.gc.ca) to determine status of varieties.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	2011 Average Yield	2011 Yield: % of Alyssa		
				Carberry	Gilbert Plains	Melita
Alyssa	100	18	100	100	100	100
Anka	92	8	72	68	78	66
Canda	129	6	124	107	134	124
CFX-1	107	9	94	75	95	109
CFX-2	102	5	98	98	102	92
CRS-1	114	9	102	89	111	98
Delores	111	18	106	108	115	91
Finola	58	13	44	34	45	51
Joey	145	3	115	—	115	—
USO 14	74	16	69	72	68	67
CHECK CHARACTERISTICS				Alyssa (lb/acre)		
Alyssa	1179	18	CV%	15.2	14.1	16.7
	lb/acre	site years	LSD%	25	20	22
			Sign Diff	Yes	Yes	Yes

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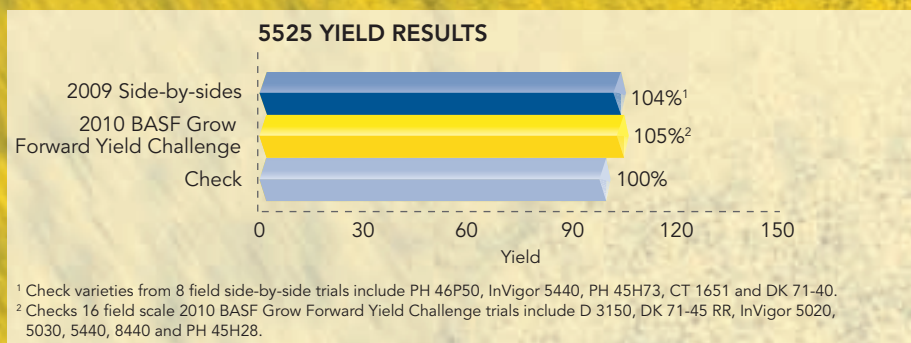
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LENTILS

Comments:

The lentil variety trials were tested by the Manitoba Pulse Growers Association. However, no sites were harvested as excess moisture early in the year impacted stand establishment.

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 ¹ Rating	Resistance to ¹		Seed ¹ Weight (TKW)	Cotyledon Colour
					Ascochyta Blight	Anthracnose Race		
Small green	CDC Invincible CL	94	8	Early	G	G	35	Yellow
	CDC Milestone	100	26	Early	G	VP	37	Yellow
	Eston	99	23	Early	VP	VP	33	Yellow
Medium green	CDC Imigreen CL	79	8	Medium	G	F	63	Yellow
	CDC Impress CL	85	10	Medium	G	P	52	Yellow
	CDC Richlea	106	23	Medium	VP	VP	51	Yellow
Large green	CDC Greenland	85	14	Med/Late	G	VP	64	Yellow
	CDC Impower CL	77	5	Medium	G	P	74	Yellow
	CDC Improve CL	89	13	Medium	F	VP	67	Yellow
	CDC Plato	95	23	Med/Late	G	P	62	Yellow
	Laird	83	23	Very Late	VP	VP	67	Yellow
French green	CDC Peridot CL	100	8	Early	G	P	40	Yellow
Extra small red	CDC Robin	102	26	Early	G	G	30	Red
	CDC Impala CL	102	10	Early	G	G	31	Red
	CDC Imperial CL	95	14	Early	G	G	30	Red
	CDC Redbow	108	8	Early/Med	G	G	42	Red
	CDC Rosebud	111	8	Early	G	G	29	Red
	CDC Rosetown	107	14	Early	G	G	31	Red
Small red	CDC Imax CL	103	8	Medium	G	G	50	Red
	CDC Impact CL	94	14	Early	G	P	34	Red
	CDC Maxim CL	125	10	Early/Med	G	G	40	Red
	CDC Red Rider	91	5	Early/Med	G	F	45	Red
	CDC Redberry	113	17	Early/Med	G	G	42	Red
	CDC Redcoat	101	8	Early	G	G	40	Red
Large red	CDC KR-1	98	9	Medium	G	G	56	Red
CHECK CHARACTERISTICS								
CDC Milestone		2322	26					
		lb/acre	site years					

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



MPGA has been a proud MCVET sponsor supporting pulse post-registration variety trials for the last 14 years.

MPGA and the Agri-Food Research and Development Initiative (ARDI) have worked together to evaluate dry bean, soybean, pea, faba bean and lentil at sites all across Manitoba.

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For more information on how your check-off dollars work for you visit www.manitobapulse.ca

Comments:

All varieties are rated resistant tolerance to blackleg.

Data is donated and approved for publication by the Prairie Recommending Committee for Oilseeds (PRCO).

Variety Descriptions¹

Variety	Yield % Check	Site Years Tested	Days to Maturity +/- Check	Height +/- Check	Mucilage ² cS* ml/g	Fixed Oil % Seed	Protein % Seed
Yellow - <i>Sinapis alba</i>	% of AC Pennant				+/- AC Pennant		
AC Pennant	100	94	0	0	42.0	29.4	34.7
AC Base	100	94	+1	+3	38.3	29.2	34.7
Ace	98	94	+2	+5	46.7	29.0	35.3
Adante	100	94	+1	+5	51.9	28.2	35.6
Oriental - <i>Brassica juncea</i>	% of Cutlass				+/- Cutlass		
AC Vulcan	98	85	0	+1	—	40.6	29.6
Cutlass	100	85	0	0	—	41.1	29.2
Forge	97	85	+2	+10	—	38.8	29.7
Brown - <i>Brassica juncea</i>	% of Commercial Brown				+/- Commercial Brown		
Centennial Brown	102	85	0	+4	—	36.6	30.0
Commercial Brown	100	85	0	0	—	38.1	28.8
Duchess	103	85	0	+1	—	38.2	28.8
CHECK CHARACTERISTICS							
Yellow - AC Pennant	1716	94	91	96			
Oriental - Cutlass	2078	85	91	114			
Brown - Commercial Brown	1890	85	92	111			
	lb/ac	site years	days	cm			

1 All varieties are tested at all locations (Co-operative Mustard Test location) from a 10 year period of 1999-2008.

2 Mucilage is a measure of viscosity.

FIELD PEA**New for 2012**

Variety	Code	Type	Distributor	Seed Availability
CDC Horizon	1681-11	Forage	Saskatchewan Pulse Growers	2013
CDC Mosaic	1816-4	Maple	Saskatchewan Pulse Growers	2013
CDC Dakota	2098-20	Dun	Saskatchewan Pulse Growers	2013

Comments:

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

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Maturity Rating	Vine Length	Seed Size	Resistance to:								Seed Coat Breakage	Seed ³ Coat Dimpling
						Green ¹ Seed Coats	Lodging	Powdery Mildew	Mycos- phaerella Blight	Fusarium ² Wilt	Bleaching				
Yellow															
Agassiz🌀	111	27	M	M	230	n/a	G	VG	F	F	n/a	G	n/a		
Argus 🌀	109	8	M	M	230	n/a	G	VG	F	F	n/a	F	n/a		
Canstar🌀	105	18	E	M	240	n/a	G	VG	P	G	n/a	G	n/a		
CDC Bronco	91	26	M	M	230	G	G	VG	F	F	n/a	G	G		
CDC Centennial	107	16	E	M	270	F	F	VG	F	F	n/a	G	G		
CDC Golden	102	33	M	M	230	G	G	VG	F	F	n/a	G	G		
CDC Hornet	102	21	M	M	220	G	G	VG	F	F	n/a	F	G		
CDC Meadow	110	36	E	M	220	G	G	VG	F	F	n/a	G	G		
CDC Minuet	96	5	M	M	190	F	F	VG	F	F	n/a	F	G		
CDC Mozart	108	17	M	S	220	F	F	VG	F	F	n/a	G	G		
CDC Prosper	93	27	E	M	150	G	G	VG	F	G	n/a	G	F		
CDC Treasure	105	27	E	M	210	G	G	VG	F	G	n/a	F	F		

FIELD PEAS (continued)

Variety	Yield % Check	Site Years Tested	Maturity Rating	Vine Length	Seed Size	Resistance to:							
						Green ¹ Seed Coats	Lodging	Powdery Mildew	Mycos- phaerella Blight	Fusarium ² Wilt	Bleaching	Seed Coat Breakage	Seed ³ Coat Dimpling
Cutlass	100	52	M	M	220	G	G	VG	F	F	n/a	F	F
DS-Admiral	105	7	E	M	240	G	G	VG	F	F	n/a	G	G
Eclipse	106	43	M	M	250	G	G	VG	F	F	n/a	G	F
FUSION	99	18	M	M	245	n/a	G	VG	P	P	n/a	F	n/a
Hugo	104	8	M	M	220	n/a	G	VG	F	G	n/a	G	n/a
Noble	94	12	M	M	250	n/a	G	VG	F	F	n/a	F	n/a
Polstead	103	32	M	S	280	n/a	G	VG	P	P	n/a	F	n/a
Reward	103	18	M	M	240	n/a	G	VG	F	F	n/a	G	n/a
SW Carousel	102	16	E	M	250	G	G	VG	F	F	n/a	F	G
SW MIDAS	103	24	E	M	220	G	G	VG	F	F	n/a	G	G
SW SALUTE	100	11	M	M	220	F	F	VG	F	P	n/a	F	F
Sorento	104	22	M	M	260	n/a	F	VG	F	F	n/a	G	n/a
Thunderbird	106	24	M	M	220	n/a	G	VG	F	F	n/a	G	n/a
Tudor	101	16	M	M	270	F	G	VG	P	F	n/a	F	G
Green													
BLUEBIRD	90	15	E	S	250	n/a	F	VG	P	P	n/a	n/a	n/a
Camry	101	16	M	S	260	n/a	G	VG	F	F	F	F	G
CDC Montero	104	4	L	M	230	n/a	F	VG	F	F	F	G	F
CDC Patrick	103	26	M	M	190	n/a	G	VG	F	G	G	G	F
CDC Pluto	106	8	M	M	160	n/a	F	VG	F	F	G	G	n/a
CDC Sage	85	16	M	M	220	n/a	G	VG	F	G	G	G	F
CDC Striker	95	49	M	M	230	n/a	G	P	F	G	G	VG	G
CDC Tetris	105	14	L	M	210	n/a	G	VG	F	G	G	G	G
COOPER	104	42	L	M	270	n/a	G	VG	F	F	G	F	G
Nitouche	98	10	M	M	250	n/a	G	P	P	P	G	F	F
Stratus	100	15	M	S	270	n/a	F	VG	F	P	P	G	G
SW Sergeant	93	15	M	M	200	n/a	G	VG	F	F	G	G	F
TAMORA	90	18	M	M	290	n/a	G	VG	F	P	F	F	n/a
Other Pea Types													
CDC Rocket (Maple)	92	18	M	M	210	G	F	VG	F	n/a	n/a	n/a	G
CDC Dakota (Dun)	122	8	M-L	M	205	n/a	G	VG	F	n/a	n/a	n/a	G
CDC Mosaic (Maple)	79	8	M-L	M	180	n/a	G	VG	F	n/a	n/a	n/a	G
CDC Horizon (Silage)	88	8	M	M	170	F	G	VG	F	n/a	n/a	n/a	G
CDC Leroy (Silage)	89	19	M	M	150	F	G	VG	F	n/a	n/a	n/a	G
CDC Tucker (Silage)	93	18	M	M	170	F	G	VG	F	n/a	n/a	n/a	G
40-10 (Silage)	72	17	L	T	140	n/a	P	P	P	n/a	n/a	n/a	G
Stella (Silage)	90	8	L	M	220	n/a	G	VG	F	F	n/a	G	n/a
CHECK CHARACTERISTICS													
Cutlass	70	52	99	34	220g/								
	bu/acre	site years	days	inches	1000 seeds								

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

			2011 Yield: % of Cutlass		
Variety	2011 Average Yield	Site Years Tested	Arborg	Melita	Thornhill
Yellow					
Agassiz🌾	108	3	100	135	101
Argus🌾	100	3	102	115	89
CDC Golden	101	3	86	146	89
CDC Hornet	111	3	106	125	107
CDC Meadow	104	3	100	122	98
CDC Prosper	103	3	107	102	100
CDC Treasure	101	3	93	106	106
Cutlass	100	3	100	100	100
Hugo🌾	117	3	118	128	110
Polstead🌾	97	3	86	141	83
Sorento🌾	102	3	97	127	92
Green					
CDC Patrick	105	3	115	112	91
CDC Pluto	110	3	114	115	104
CDC Striker	94	3	94	107	86
CDC Tetris	96	3	102	85	97
Cooper🌾	108	3	107	128	96
Other					
CDC Dakota	117	3	102	145	116
CDC Mosaic	96	3	100	114	82
CDC Horizon	90	3	94	89	88
Stella🌾	84	3	83	84	86
4010	94	3	76	127	93
CHECK YIELD		Cutlass (bu/ac)	60	34	61
		CV %	12.1	11.4	8.9
		LSD %	20	22	14
		Sign Diff	Yes	Yes	Yes

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Seed Interactive allows you to select varieties suited to the agronomic and management practices on your farm. Use the **Variety Characteristics Report** to generate an overall summary using all data, or to compare disease resistance and general agronomic performance.

Use the **Yield Comparison Report** to compare two varieties at the same location. With both reports, choose your own check variety. It's easy and informative. Log on to customize selections for your farm. www.seedinteractive.ca


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Distributor Contacts for Varieties in Seed Manitoba 2012

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 Inc.
Koma	Springfield Inc.
Koto	Springfield Inc.
Mancan	SeCan
Manor	SeCan

CANARY SEED

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

GRAIN CORN

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

FABABEANS

CDC Fatima	Roy Legumex
Florent	Roy Legumex
Snowbird	Bob Park
Taboar	Terramax Holding Corp.

FIELD BEANS

NAVY (WHITE)	
AC Cruiser	Hensall District Coop
Cargo	Various Bean Dealers
Envoy	Various Bean Dealers
Galley	AAFC - Harrow
GTS 546	Hensall District Coop
HY4181	Hyland Seeds - Beans
Lightning	Hensall District Coop
Morden 003	Viterra - BSC
Octane	Saskcan Pulse Trading
Portage	CANTERRA SEEDS
Skyline	Saskcan Pulse Trading
T9903	Hyland Seeds - Beans
T9905	Hyland Seeds - Beans
PINTO	
AC Ole	Various Bean Dealers
AC Pintoba	CANTERRA SEEDS

FIELD BEANS

Agrinto	Viterra - BSC
CDC Pintum	Various Bean Dealers
Island	AAFC - Harrow
Maverick	Various Bean Dealers
Mariah	CANTERRA SEEDS
Medicine Hat	CANTERRA SEEDS
Pecos	AAFC - Harrow
Winchester	Various Bean Dealers
Windbreaker	CANTERRA SEEDS
Winmor	Viterra - BSC
BLACK	
Black Violet	Viterra - BSC
Carman Black	Agriculture and AgriFood Canada
CDC Jet	Ben Martens Charlois & Seed
Eclipse	Duncan Seeds
CDC SuperJet	Ben Martens Charlois & Seed
PINK	
Early Rose	Viterra - BSC
SMALL RED	
AC Earlired	Saskcan Pulse Trading
AC Redbond	Viterra - BSC
AC Scarlet	CANTERRA SEEDS
CRANBERRY	
Cran 09	Various Bean Dealers
Etna	Seminis Vegetable Seeds
Red Rider	Secan
GREAT NORTHERN	
AC Polaris	Viterra - BSC
Beryl	Various Bean Dealers
DARK RED KIDNEY	
ROG802	Various Bean Dealers
OAC Redstar	Secan
LIGHT RED KIDNEY	
Foxfire	Various Bean Dealers
Pink Panther	Various Bean Dealers

INDUSTRIAL HEMP

Alyssa	Parkland Industrial Hemp Growers Coop Ltd.
Anka	Ontario Hemp Alliance
Canda	Parkland Industrial Hemp Growers Coop Ltd.
CFX-1	Hemp Genetics International Inc.

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CFX-2	Hemp Genetics International Inc.
CRS-1	Hemp Genetics International Inc.
Delores	Parkland Industrial Hemp Growers Coop Ltd.
Finola	Hemp Oil Canada Inc.
Joey	Parkland Industrial Hemp Growers Coop Ltd.
USO 14	Hemp Genetics International Inc.

LENTILS

CDC Greenland	Saskatchewan Pulse Growers
CDC Imax	Saskatchewan Pulse Growers
CDC Imigreen	Saskatchewan Pulse Growers
CDC Impact CL	Saskatchewan Pulse Growers
CDC Impala CL	Saskatchewan Pulse Growers
CDC Imperial CL	Saskatchewan Pulse Growers
CDC Impower	Saskatchewan Pulse Growers
CDC Impress CL	Saskatchewan Pulse Growers
CDC Improve CL	Saskatchewan Pulse Growers
CDC Invincible	Saskatchewan Pulse Growers
CDC KR-1	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 Red Rider	Saskatchewan Pulse Growers
CDC Redberry	Saskatchewan Pulse Growers
CDC Redbow	Saskatchewan Pulse Growers
CDC Redcoat	Saskatchewan Pulse Growers
CDC Robin	Saskatchewan Pulse Growers
CDC Rosebud	Saskatchewan Pulse Growers
CDC Rosetown	Saskatchewan Pulse Growers
CDC SB-1	Saskatchewan Pulse Growers

MUSTARD

Sinapis alba	
AC Base	Trade
AC Pennant	Trade
Ace	Viterra
Andante	Trade
Tilney	Viterra
Brassica juncea	
AC Vulcan	Trade
Centennial Brown	Trade
Cutlass	Trade
Duchess	Viterra
Forge	Viterra

PEAS

Agassiz	CANTERRA SEEDS
Argus	SeCan
BLUEBIRD	Bob Park
Camry	FP Genetics
Canstar	Canseed (Canada) Ltd.
CDC Bronco	Saskatchewan Pulse Growers
CDC Centennial	Saskatchewan Pulse Growers
CDC Dakota	Saskatchewan Pulse Growers
CDC Golden	Saskatchewan Pulse Growers

PEAS

CDC Hornet	Saskatchewan Pulse Growers
CDC Horizon	Saskatchewan Pulse Growers
CDC Leroy	Saskatchewan Pulse Growers
CDC Meadow	Saskatchewan Pulse Growers
CDC Minuet	Saskatchewan Pulse Growers
CDC Montero	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 Rocket	Saskatchewan Pulse Growers
CDC Sage	Saskatchewan Pulse Growers
CDC Striker	Saskatchewan Pulse Growers
CDC Tetris	Saskatchewan Pulse Growers
CDC Tucker	Saskatchewan Pulse Growers
CDC Treasure	Saskatchewan Pulse Growers
COOPER	CANTERRA SEEDS
Cutlass	Saskatchewan Pulse Growers
DS-Admiral	FP Genetics
Eclipse	FP Genetics
FUSION	CANTERRA SEEDS
Hugo	Alliance Seed Corporation
Nitouche	FP Genetics
Noble	FP Genetics
Polstead	FP Genetics
Reward	SeCan
Sorento	FP Genetics
Stella	Alliance Seed Corporation
Stratus	CANTERRA SEEDS
SW Carousel	FP Genetics
SW MIDAS	FP Genetics
SW SALUTE	FP Genetics
SW Sergeant	FP Genetics
TAMORA	FP Genetics
Thunderbird	CANTERRA SEEDS
Tudor	FP Genetics
40-10	FP Genetics

DISTRIBUTOR**PHONE NUMBER**

AAFC - Harrow	1-519-738-2251
Agriculture and Agri-Food Canada	1-613-773-1000
Alliance Seed Corporation	1-877-270-2890
Ben Martens Charolais & Seed	1-204-534-6952
Bob Park	1-403-782-4821
Brett-Young Seeds Ltd.	1-800-665-5015
Canseed (Canada) Ltd.	1-780-674-2595
CANTERRA SEEDS	1-877-439-7333
Crop Development Center	1-306-966-5855
Delmar Commodities	1-204-331-3696
Duncan Seeds	1-204-822-6629
FP Genetics	1-877-791-1045
Hansen Seeds	1-306-465-2525
Hemp Genetics International Inc.	1-604-607-4953
Hemp Oil Canada Inc.	1-800-289-4367
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Hyland Seeds - corn	1-204-745-7656
Hyland Seeds - beans	1-204-745-7179
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Ontario Hemp Alliance	1-519-655-6277
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Pioneer Hi-Bred Ltd.	1-800-265-9435
Prairie Pacific Seeds Ltd.	1-604-319-0376
PRIDE Seeds	1-800-265-5280
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Saskatchewan Pulse Growers	1-306-668-5556
Saskcan Pulse Trading	1-306-525-4490
SeCan	1-800-665-7333
Seeds 2000	1-877-841-7447
Seminis Vegetable Seeds	1-519-351-7640
Springfield Inc.	1-204-362-1524
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AC MANISOBA

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HORIZON

Morden; Mancan Genetics Ltd 204-822-4396 C
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Dauphin; Fisher, Roderick Allan & Douglas James..... 204-622-8800 S
Notre Dame; Durand, Gabriel A. & Marc..... 204-248-2268 S
Oak Bank; Kyle, Lorne C. & John Lawrence 204-444-3522 S

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FIELD BEANS

AC PINTOBA

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CDC SUPERJET

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

ENVOY

Hensall; Hensall District Co-Operative Inc. 519-262-3002 C

OAC REDSTAR

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Regina; Saskcan Pulse C

WINDBREAKER

Altona; Wiebe, Henry D. & Lloyd 204-324-8036 C
Portage; Sissons, Grant G., Donald Angus & Blye 204-857-7341 C

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CRS-1

Saskatoon; Hemp Genetics International Inc..... 604-882-4936 C

FINOLA

Ste Agathe; Hemp Oil Canada Inc 204-882-2480 R C
Ste Agathe; Hemp Oil Canada Inc 204-882-2480 R C

LENTILS

CDC MAXIM

Rivers; Redsper Ent. Ltd..... 204-328-5346 C

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AGASSIZ

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

CDC MEADOW

Boissevain; Froese, Wesley A.J. & Ian 204-534-6846 C
Brandon; Whetter, Rodney & Darren 204-727-0045 C
Foxwarren; Graham, George Arthur..... 204-683-2367 C
Holland; Marginet, Reginald 204-526-2544 C
Holland; Patenaude, Donald & Robert 204-526-2391 C
Oak Lake; Smith, Gerald R. & L.E..... 204-855-2808 C
Rivers; Redsper Ent. Ltd..... 204-328-5346 C

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How can my farm benefit from **Seed Interactive**?

Fusarium resistance is a big consideration in choosing wheat for my farm in the Red River Valley. Seed Manitoba tells me which varieties are moderately resistant (MR). Can I compare long-term yield of those varieties along with other agronomic or **disease resistance** information?



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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 or a variety where protection has been applied for but not yet granted at time of printing.

* Seed sources can be found at the back of the forage section.

Key to 2011 Yield or Quality Tables

Numbers in brackets indicate site years. Site Years Tested is the number of locations added up over the years that a 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 small % CV is desirable.

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

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Manitoba Agriculture, Food and Rural Initiatives Variety Guide

FORAGE CULTIVAR EVALUATION

The Manitoba Forage Council operates the Forage Cultivar Evaluation Program. Management of the program is through an industry team approach. Producers, seed trade, extension and researchers are involved in the forage evaluation management committee.

The perennial forage cultivar evaluation is coordinated with similar programs in Saskatchewan and Alberta, allowing for sharing of test data. The annual forage testing is coordinated with other testing facilities and producer organizations.

The testing sites are Arborg, Melita, Rosebank (formerly Neepawa), Roblin and St. Adolphe (formerly St. Pierre Jolys). Cooperation and support from program partners have allowed the efficient operation of testing in 2011.

The objective of the evaluation program is to provide information to Manitoba's forage producers and industry partners on the performance of annual and perennial forage cultivars under Manitoba conditions. The program measures dry matter yields of perennials under a three-cut system

over three production years and annuals under a one-cut system over 3 years. The program has also developed test procedures to evaluate persistence, winter-hardiness and grazing tolerance.

The Manitoba Forage Council publishes results from the forage evaluation trials with detailed information on forage production. These reports are available from Manitoba Agriculture, Food and Rural Initiatives (MAFRI) offices, MAFRI Forage specialists, Rangeland and Pasture specialists, and the Manitoba Forage Council.

Support for Forage Cultivar Evaluation was obtained from various sectors of the agricultural industry. In appreciation of their partnership in this program, the following sponsors are acknowledged:

Manitoba Agriculture, Food and Rural Initiatives
Agricultural Sustainability Initiative
Green Cover Program – Agriculture and Agri-Food Canada
Viterra

The Western Forage Variety Testing System
Manitoba Forage Council
Manitoba Forage Seed Association
Parkland Crop Diversification Foundation
Prairies East Sustainable Agricultural Initiative
S.S. Johnson Seeds

Westman Agricultural Diversification Org.
Manitoba Corn Growers Association
Crop Diversification Center - University of Saskatchewan with funding from Saskatchewan Pulse Growers and Saskatchewan Agriculture and Food

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	Widely adapted to most Manitoba soils but will not tolerate areas that have periodic flooding.
Alsike Clover	Hay & Pasture	Short	Fair	Poor	Moderate	Low	Prefers low-lying moist areas.
Birdsfoot Trefoil	Pasture	Long	Good	Moderate	High	Low to Moderate	Prefers moist areas.
Cicer Milkvetch	Pasture	Long	Good	Moderate to High	Low	Moderate	Widely adapted but exhibits its creeping 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 & Silage	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.

FORAGE ADAPTATION & COMPARISON GUIDE — 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 2-3 years	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.

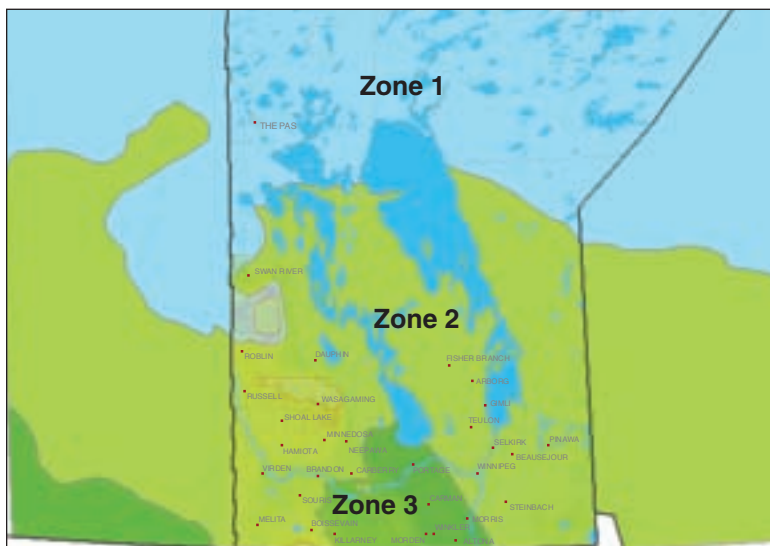
NATIVE GRASSES

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	3-5 years	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 Initiatives – Forage Adaptation & Comparison Guide

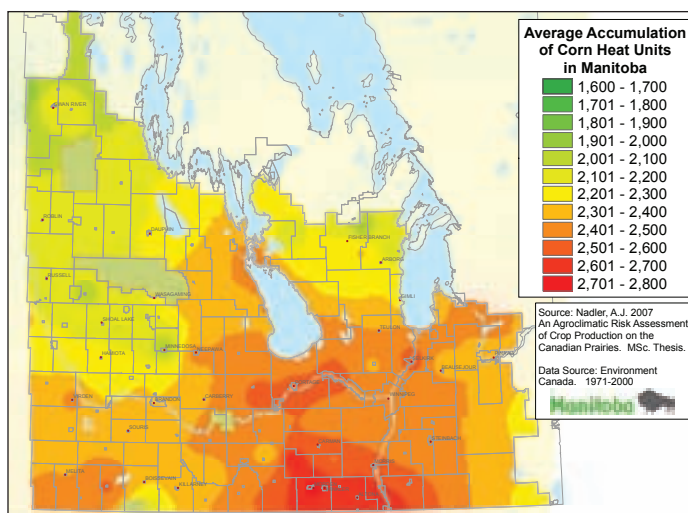
ALFALFA WINTER HARDINESS

This Plant Hardiness Zones (2000) map outlines the different zones within Manitoba where various types of plants (including alfalfa) will likely survive the winter. It is based on 30-year average climatic conditions of each area (min. and max. temperatures, frost-free period, summer and January rainfall, snow cover, wind speed, elevation). Hardiness Zone ratings are to be used only as guideline when selecting varieties as many factors influence overwintering ability (such as snow cover, timing of cold weather, location of plants in the landscape, relative health of plants as they enter winter). Always use optimum management techniques to ensure winter survival when choosing a variety with slightly poorer overwintering rating.



CORN HEAT UNIT ACCUMULATION

Corn heat units (CHU) are closely related to corn development. CHU is better than calendar days or growing degree days because CHU's only accumulate when night temperatures are above 4.4°C and day temperatures above 10°C, and maximum growth occurs at 30°C and decreases with higher temperatures. The map above indicates 30-year average accumulation of CHU in varying regions in the province.



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Manitoba

ANNUAL FORAGE — Variety Descriptions

Disease Resistance Ratings ³												
Variety ¹	Seed Source	Awned or Hooded	Rough or Smooth Awns	Days to Maturity (Robust) ²	Lodging	Stem Rust	Loose Smut	Surface borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch
BARLEY												
AC Lacombe (6)☼	17	A	S	-1	G	MR	MS	MR	MS	MS	MR	I
AC Ranger (6F)	5	A	S	0	G	MR	MS	I	MR	I	MR	MR
AC Rosser (6)☼	17	A	S	+2	F	MR	MS	MR	MR	I	MR	MR
Binscarth (6F)	21	A	R	-2	G	MR	I	MR	MR	I	n/a	MR
CDC Austenson	17	A	R	0	G	I	S	R	I	MS	R	MR
CDC Cowboy (2F)☼	17	A	R	0	G	MR	MS	MR	I	I	MR	I
CDC Mindon (2)☼	17	A	R	0	G	I	R	R	n/a	S	MR	I
Champion (2)☼	20	A	R	-1	G	I	S	R	n/a	S	I	MS
Chigwell	17	A	S	1	G	S	MS	R	S	I	MR	MR
Desperado	22	A	S	0	G	MR	MS	R	MR	S	MR	MR
Lacey (6W)☼	22	A	SS	0	G	MR	I	MR	MR	S	I	MR
Robust (6W)	4	A	S	89 days	G	MR	I	I	I	S	MS	MR
Sommerville (6F)	7	A	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Viriden (6F)	17	A	SS	+2	VG	MR	MS	I	MR	MS	MR	MR
Vivar (6)☼	17	A	R	-1	VG	MR	I	R	MR	R	MR	I
Xena (2)☼	20	A	R	0	G	MR	MS	MS	MR	S	I	S
Hulless												
AC Bacon (6)	17	A	S	-1	F	I	MS	I	I	MS	n/a	I
CDC Freedom (2)	17	A	R	-1	G	I	MS	MR	I	MR	n/a	I
Falcon (6) ☼	14	A	S	-1	VG	MR	MS	MR	I	I	n/a	I
Variety ⁴	Seed Source	Days to Maturity (AC Assiniboia) ²			Disease Resistance Level ³							
		Lodging	Stem Rust	Crown Rust	Smut	BYDV						
OATS												
AC Assiniboia☼	20			95 days	VG	I	S	R	I			
AC Medallion	4			+1	F	I	I	R	MS			
AC Mustang	23			-5	G	S	S	MS	MS			
CDC Baler	5			+5	G	S	S	R	MS			
CDC Boyer	17			-2	G	I	I	MS	MS			
CDC Pacer	5			0	F	S	MS	MR	MS			
Dumont	17			+1	F	I	MS	R	MS			
Furlong☼	3			0	G	I	S	R	MR			
Jordan☼	17			3	VG	I	I	R	MR			
Murphy☼	17			+5	G	S	MS	MS	MS			
Pinnacle☼	5			+4	G	I	S	R	MS			
Triactor☼	3			0	VG	S	MR	I	MS			
Triple Crown☼	5			-3	VG	S	MS	MR	MS			
Variety	Seed Source	Days to Maturity (Banjo) ²			Disease Resistance Level ³							
		Lodging	Stem Rust	Leaf Rust	Bunt	Fusarium						
TRITICALE												
AC Alta	14			-1	G	R	R	R	n/a			
AC Certa	14			-3	G	R	R	R	I			
Banjo	5			100 days	G	R	R	R	n/a			
Bumper ☼	17			-3	G	R	R	R	n/a			
Bunker☼	5			3	G	R	R	R	n/a			
Pronghorn	14			-4	G	R	R	R	MR			
SANDRO	5			-3	G	R	R	R	n/a			
Tyndal☼	17			-3	G	R	R	R	MS			



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ANNUAL FORAGE — Variety Descriptions (continued)

Variety	Seed Source	Leaf Type	Vine Length (cm)	Maturity Rating ²	Disease Resistance Level ³		
					Lodging	Powdery Mildew	Mycosphaerella Blight
PEAS							
40-10	5	Normal	100	Long	P	P	P
CDC Leroy	16	SemiLeafless	80	Medium	G	VG	F
CDC Minuet	16	SemiLeafless	70	Medium	F	VG	F
CDC Sonata	16	Normal	85	Long	F	VG	F
CDC Tucker	16	SemiLeafless	80	Medium	G	VG	F
Trapper	17	Normal	100	Long	P	P	P
	Seed Source	Seed Color	Seed Size (seeds/lb)	Days to Maturity ²	Days to Head		
FOXTAIL MILLET							
Yellow (Golden German)	15	Yellow	160-170,000	95-110	75-90		
Red (Siberian)	15	Red	169-170,000	70-90	55-70		
PROSO MILLET							
Green (Crown)	15	Gray/Green	70-90,000	85-90	50-60		
Red (Cerise)	15	Red	70-90,000	85	50-60		
Yellow (AC Prairie Gold)	20	Yellow	70-90,000	75	50-60		

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

2 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.

3 Resistance to leaf diseases can improve forage quality and yield: (R) Resistant; (MR) Moderately Resistant; (I) Intermediate;

(MS) Moderately Susceptible; (S) Susceptible; (n/a) = not available. See cereal & special crop section in of this guide for more detail of crop tolerances.

4 All varieties are susceptible to new races of NA67 and NA76. These races caused moderate damage to crops in the Red Valley in 2001 & 2002.



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ANNUAL FORAGE — Yield Comparisons

Variety	Manitoba Mean ¹ % of Virden % of Ranger		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	
	BARLEY												
AC Lacombe (6)☼	98 (13)	— —	107 (3)	102 (4)	91 (4)	— —	— —	— —	— —	— —	— —	— —	— —
AC Ranger (6F) ☼	105 (12)	100 (24)	100 (6)	100 (6)	— —	100 (6)	100 (6)	123	9.8	65	1011	(6)	
AC Rosser (6)☼	— —	104 (12)	99 (3)	109 (3)	— —	101 (3)	99 (3)	108	10.2	66	920	(6)	
Binscarth	— —	98 (20)	96 (5)	96 (5)	— —	102 (5)	98 (5)	115	10.1	65	974	(5)	
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)	
Robust (6W)	95 (12)	— —	105 (2)	94 (4)	95 (4)	— —	— —	— —	— —	— —	— —	— —	
Sommerville	95 (12)	— —	106 (1)	95 (4)	95 (4)	— —	94 (1)	146	11.0	66	948	(1)	
Virden (6F)	100 (28)	99 (13)	100 (7)	100 (7)	100 (4)	100 (3)	100 (3)	103	10.4	63	910	(3)	
Vivar(6)☼	— —	99 (12)	97 (3)	97 (3)	— —	96 (3)	106 (3)	127	9.2	63	1068	(3)	
Xena (2)☼	— —	101 (16)	92 (4)	110 (4)	— —	100 (4)	101 (4)	120	9.5	63	1064	(4)	
Hulless	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	
AC Bacon (6)	97 (11)	— —	140 (1)	97 (4)	92 (4)	— —	— —	136	11	65	1066	(1)	
CDC Freedom (2)	93 (11)	— —	106 (1)	85 (4)	93 (4)	— —	— —	— —	— —	— —	— —	— —	
Falcon (6) ☼	102 (2)	— —	102 (1)	— —	— —	— —	— —	— —	— —	— —	— —	— —	
Variety	Manitoba Mean ¹ % of Triple Crown		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	
	OATS												
AC Assiniboia☼	88 (30)		93 (6)	95 (9)	91 (4)	83 (4)	97 (5)	107	10.2	62	936	(5)	
Furlong☼	95 (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)	
AC Medallion☼	88 (11)		92 (1)	90 (4)	89 (4)	— —	— —	— —	— —	— —	— —	— —	
AC Mustang	93 (20)		91 (5)	94 (5)	— —	96 (5)	92 (5)	102	10.8	62	985	(5)	
CDC Baler	99 (15)		106 (4)	99 (4)	— —	94 (3)	98 (4)	104	11.0	62	1051	(4)	
CDC Bell	110 (4)		108 (1)	130 (1)	— —	100 (1)	100 (1)	100	10.3	61	1117	(1)	
CDC Boyer	— —		— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	
CDC Pacer	94 (11)		99 (1)	94 (4)	96 (4)	— —	— —	— —	— —	— —	— —	— —	
Dumont	90 (11)		95 (1)	94 (4)	88 (4)	— —	— —	— —	— —	— —	— —	— —	
Murphy	99 (11)		98 (3)	100 (3)	— —	93 (2)	103 (3)	97	11.6	59	940	(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)	

ANNUAL FORAGE (continued)

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)
Bumper	91 (4)	82 (1)	87 (1)	— —	99 (1)	97 (1)	105	10.1	60	1051	(1)
Bunker	89 (8)	80 (2)	91 (2)	— —	94 (2)	92 (2)	100	9.5	60	903	(3)
Pronghorn	108 (3)	108 (2)	— —	— —	— —	— —	—	—	—	—	—
SANDRO	101 (1)1	81 (1)	108 (4)	98 (4)	— —	— —	—	—	—	—	—
TR-196	88 (4)	92 (1)	72 (1)	— —	97 (1)	89 (1)	106	9.0	61	856	(2)
Tyndal	87 (8)	88 (2)	79 (2)	— —	92 (2)	92 (2)	106.66	10.0	61	900	(3)
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 Dry Matter 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 Dry Matter yield 4639 lb/ac (5195 kg/ha) over 10 site years.											

1 Check varieties for cereal crops depends on the year tested. Virden: 8788 lb/ac (9841 kg/ha) over 28 site years; AC Ranger yield: 6292 lb/ac (7046 kg/ha) over 24 site years; Triple Crown 9927 lb/ac (11,117 kg/ha) over 34 site years; Banjo 10,148 lb/ac (11,366 kg/ha) over 14 site years. Forage Pea check 40-10 with an average yield of 9192 lb/ac (10,320 kg/ha) on 22 site years. Data collected over 6 years (2003-2008) on six sites: Arborg, Roblin (MB), Sutherland, Floral (SK), Lacombe, Edmonton (AB).

2 Forage quality: Barley, Oats, Triticale average values from a Manitoba Forage Council test from 2005-2010 on 4 sites (Arborg, Melita, Roblin, Rosebank). Peas average values from 2006-2007 on 2 sites (Roblin and Arborg).

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.

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*Some restrictions apply.

ALFALFA — Variety Descriptions

Variety	Root Type ¹	Use ²	Type ³	Fall ⁴	Winter	Disease Resistance Ratings: ⁷			Year		Notes ⁸	Seed Source
				Dormancy	Hardiness ⁵	Maturity ⁶	BW	VW	PRR	Registered		
3010	Sunken	H,P	F,V	3.6	1.8	Medium	HR	HR	HR	2010	Sunken crown	2
4010 BR	Branch	H	F	3.6	1.6	Medium	HR	HR	HR	2010	Branch root	2
4020 MF	Taproot	H	F	4	1.8	Medium	HR	HR	HR	2010	Multifoliate	2
53Q60	Taproot	H,P	F,V	3	3.0	Early	HR	R	HR	1999		12
54H91	Taproot	H	—	4	3.0	—	HR	HR	HR	—		12
54Q25	Taproot	H,P	V	4	—	—	HR	HR	HR	2003		12
54V46	Taproot	H	—	4	3.0	—	R	R	R	2004		12
54V54	Taproot	H	V	4	2.5	—	HR	HR	HR	2000		12
Able	Taproot	H,P	F,V	2.5	2.9	Early	HR	HR	HR	1995		11
AC Blue J	Taproot	H	F	—	—	Medium	HR	R	R	1994		17
AC Caribou	Taproot	H	F,V	3	1.9	Early	HR	R	MR	1990		2
AC Grazeland Br	Taproot	P,H	V	2	—	Medium	R	S	—	1998	Bloat reduced	11
AC Longview	Taproot	H	F	3	2.9	Medium	HR	R	—	1999		11
Algonquin	Taproot	H,P	V	2	2.1	Medium	HR	S	S	1973		15
AmeriStand 201+Z	Taproot	H	F	2	1.7	—	HR	HR	HR	2002	Sunken crown	20
Apica	Taproot	H	F	3	2.3	Early	R	S	S	1982		18
Approved	Taproot	H	F	—	—	Medium	HR	HR	HR	2004	Multifoliate	11
Atomic	Taproot	H	F,V	3.8	—	—	HR	R	HR	2000		18
Beaver	Taproot	H,P	V	2	2.1	Medium	R	S	S	1961		15
Concept	Taproot	H,P	P,V	3	2.0	Medium	HR	HR	HR	2004		2
Equinox	Taproot	H	V	3.5	—	Medium	HR	HR	HR	2006		20
Forerunner	Taproot	H	F,V	2	—	Early	HR	HR	HR	1995	Multifoliate	6
Gala	Taproot	H	V	2	2.7	Early	HR	HR	HR	1996	Multifoliate	20
Halo	—	—	—	—	—	—	—	—	—	—		20
HayGrazer	Branch	P,H	V	3	3.5	Early-Medium	HR	R	R	2002	Sunken crown	9
Heinrichs	Creeping	P,H	V	1	2.1	Medium-Late	R	—	—	1981		20
Hornet	Taproot	H	F	—	—	Medium	HR	R	HR	1997		11
Hybriforce 400	Taproot	H,P	—	4	3.0	Medium	HR	R	HR	2003	Hybrid	2
Hybriforce 2410	Taproot	H	—	3.6	1.6	Medium	HR	HR	HR	2010	Hybrid	2
Leader	Taproot	H	—	3.7	1.3	—	HR	HR	HR	2007	Multifoliate	11
Magnum 3801 Wet	Tap/Branch	H	F	3	—	Medium	HR	R	HR	2004		2
Matrix	Creeping	P,H	—	2	—	Medium	HR	MR	R	2004	Resistant pea aphid	8
Multi5301	Taproot	H	V	3	2.9	Early-Medium	HR	R	R	2002	Multifoliate	8,10
Pickseed 2065MF	Taproot	H	V	3.7	2.0	—	HR	R	HR	2000	Multifoliate	11
Pickseed 3006	Creeping	P,H	F,V	2	—	—	HR	MR	MR	1999		11
Quattro HR	Taproot	H	V	—	2.6	Early	HR	R	HR	1996		11
Rambler	Creeping	P,H	V	1	—	Late	MR	S	S	1995		15
Rangelander	Creeping	P,H	V	1	2.0	Late	S	S	S	1978		17
RHINO	Taproot	H	V	3	—	Medium	HR	R	R	2002		9
Runner	Creeping	P,H	V	2	2.6	Medium-Late	HR	S	—	1995		9
Spredor 4	Creeping	P,H	F,V	1.5	—	Medium	HR	HR	HR	2002		20
Spyder	Creeping	P,H	F,V	1	1.0	Medium	HR	R	R	2009		2
Starbuck	Taproot	H	F	3.7	—	—	HR	R	HR	2001	Multifoliate	11
Stealth SF	Taproot	H	V	4	1.9	Early	HR	R	HR	2004		9
Survivor	Taproot	H	F	3	—	Medium	HR	R	HR	1999	Sunken Crown	2
Tophand	Taproot	H	V	4	—	Medium	HR	HR	HR	2004	Multifoliate	9
Trident II	Taproot	H	F,V	3	—	Early	—	—	—	1993		3
Ultra	Taproot	H	F	3	—	Medium	—	—	R	1988		6
Vision	Taproot	H	—	4.4	1.5	—	HR	HR	HR	2009	Multifoliate	11

Check - Beaver Average Dry Matter Yield 8980 lb/ac (10,058 kg/ha) over 149 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 - varieties are low growing, higher grazing tolerance. First letter is preferred use.
- 3 Type: F-Flemish type, purple flowered & early-growing. V-Varietated type, derived from flemish & falcata type crosses. F,V-Mixed type, exhibits both characteristics.
- 4 FD: indicates the varieties characteristic to go dormant in fall. FD 9: will grow vigorously in fall; IFD 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.
- 5 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 winterhardiness was more influential than grazing tolerance to stand persistence under grazing.

ALFALFA — Yield Comparisons

Variety	% Manitoba Mean ⁹						Manitoba Mean		Yield at test sites % of Beaver							
	1st Cut		2nd Cut		3rd Cut		% of Beaver		Arborg		Brandon ¹⁰		Neepawa-Rosebank		Steinbach-St. Pierre ¹¹	
3010	104	(6)	116	(5)	—	—	108	(6)	—	—	—	—	105	(4)	99	(2)
4010 BR	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4020 MF	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
53Q60	92	(6)	103	(6)	—	—	97	(6)	—	—	—	—	96	(3)	98	(3)
54H91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
54Q25	97	(8)	104	(6)	87	(1)	96	(8)	101	(3)	—	—	84	(3)	104	(2)
54V46	95	(9)	107	(8)	106	(4)	100	(9)	98	(3)	—	—	102	(3)	99	(3)
54V54	97	(9)	104	(7)	—	—	102	(9)	102	(3)	—	—	103	(3)	100	(3)
Able	94	(2)	106	(2)	—	—	97	(2)	—	—	—	—	97	(2)	—	—
AC Blue J	97	(69)	108	(62)	112	(21)	101	(74)	98	(23)	105	(5)	101	(26)	100	(20)
AC Caribou	105	(13)	110	(13)	143	(10)	108	(13)	107	(5)	104	(4)	113	(3)	111	(1)
AC Grazeland Br ⁶	97	(9)	107	(9)	110	(4)	99	(9)	97	(3)	—	—	96	(3)	104	(3)
AC Longview	98	(17)	101	(16)	114	(9)	98	(17)	101	(8)	—	—	95	(3)	98	(6)
Algonquin	102	(28)	106	(27)	126	(19)	103	(28)	108	(12)	111	(3)	97	(8)	98	(5)
AmeriStand 201+Z	100	(6)	98	(6)	115	(1)	99	(12)	—	—	—	—	100	(9)	95	(3)
Apica	101	(18)	102	(17)	147	(14)	106	(18)	104	(6)	102	(9)	114	(3)	—	—
Approved	102	(6)	104	(6)	112	(1)	103	(6)	—	—	—	—	103	(3)	103	(3)
Atomic	95	(9)	106	(9)	134	(4)	100	(9)	98	(3)	—	—	94	(3)	108	(3)
Beaver	100	(141)	100	(132)	100	(56)	100	(149)	100	(48)	100	(14)	100	(48)	100	(35)
Concept	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Equinox	94	(7)	94	(7)	109	(2)	100	(13)	95	(2)	—	—	104	(9)	99	(2)
Forerunner	125	(5)	119	(5)	154	(1)	117	(5)	127	(2)	—	—	108	(3)	—	—
Gala	94	(10)	110	(10)	163	(10)	104	(10)	100	(7)	106	(1)	—	—	109	(2)
Halo	—	—	—	—	—	—	107	(1)	—	—	—	—	107	(1)	—	—
HayGrazer	102	(7)	108	(7)	108	(1)	105	(7)	—	—	—	—	107	(4)	103	(3)
Heinrichs	100	(37)	98	(37)	119	(27)	98	(37)	96	(15)	98	(9)	103	(8)	95	(5)
Hornet	100	(13)	117	(12)	210	(8)	110	(13)	116	(6)	—	—	95	(3)	114	(4)
Hybriforce 400	97	(9)	107	(8)	124	(1)	100	(9)	98	(3)	—	—	93	(3)	108	(3)
Hybriforce 2410	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Leader	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Magnum 3801 Wet	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Matrix	92	(9)	101	(8)	108	(1)	95	(9)	95	(3)	—	—	85	(3)	104	(3)
Multi5301	100	(8)	101	(8)	—	—	100	(8)	—	—	—	—	97	(5)	104	(3)
Pickseed 2065MF	97	(9)	108	(8)	129	(1)	100	(9)	97	(3)	—	—	92	(3)	110	(3)
Pickseed 3006	95	(9)	99	(9)	112	(4)	95	(9)	91	(3)	—	—	94	(3)	101	(3)
Quattro HR	115	(10)	110	(10)	132	(2)	111	(10)	131	(2)	—	—	104	(5)	106	(3)
Rambler	99	(130)	93	(121)	68	(44)	94	(138)	98	(43)	92	(13)	96	(46)	92	(32)
Rangelander	98	(74)	92	(67)	75	(24)	94	(80)	99	(26)	92	(7)	96	(26)	94	(19)
RHINO	105	(5)	120	(5)	118	(1)	111	(5)	—	—	—	—	109	(2)	113	(3)
Runner	95	(8)	102	(8)	91	(5)	101	(8)	110	(2)	93	(4)	100	(2)	—	—
Spredor 4	97	(12)	101	(6)	—	—	102	(12)	—	—	—	—	104	(9)	96	(3)
Spyder	96	(8)	94	(8)	98	(3)	95	(8)	105	(3)	—	—	94	(3)	86	(2)
Starbuck	92	(9)	96	(9)	97	(1)	93	(9)	99	(3)	—	—	83	(2)	97	(3)
Stealth SF	107	(8)	111	(8)	96	(3)	119	(8)	107	(3)	—	—	121	(3)	100	(2)
Survivor	95	(9)	108	(7)	129	(4)	99	(9)	87	(3)	—	—	102	(3)	109	(3)
Tophand	97	(9)	111	(7)	—	—	102	(9)	99	(3)	—	—	105	(3)	102	(3)
Trident II	105	(12)	108	(11)	152	(3)	106	(12)	109	(4)	—	—	105	(8)	—	—
Ultra	125	(5)	116	(5)	125	(1)	115	(5)	122	(2)	—	—	108	(3)	—	—
Vision	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Check - Beaver Average Dry Matter Yield 8980 lb/ac (10,058 kg/ha) over 149 site years.																

Check - Beaver Average Dry Matter Yield 8980 lb/ac (10,058 kg/ha) over 149 site years.

- 6 Maturity rating indicates relative comparison of first flowering dates. Early varieties will bloom before late varieties, may provide more cuts/year.
7 Disease Resistance:(HR) highly resistant; (R) resistance; (MR) moderately resistant; (S) no resistance. Bacterial Wilt (BW), Verticillium Wilt (VW) Phytophthora Root Rot (PRR).
8 Multifoliate varieties have genetic potential to produce 4 or more leaflets per leaf. This trait is influenced by environmental conditions.
9 These numbers represent the long term average yields as a percent of Beaver, on a per cut basis.
10 Brandon was discontinued in 1995 as a forage variety testing site
11 The Neepawa site was moved to Rosebank in 2004.
12 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	Year Registered	Seed Source
BIRDSFOOT TREFOIL									
AC Langille	95	(5)	P	G	Good	Early	non-bloating	n/a	20
Bull	97	(3)	P	G	Good	—	non-bloating	1991	11
Empire	87	(4)	P	F	Medium	—	non-bloating	<1963	15
Leo	100	(19)	P	G	—	Early	non-bloating	1963	15
OAC Bright	96	(3)	P	E	Medium	—	non-bloating	n/a	11
Upstart	102	(5)	P	G	—	—	non-bloating	1986	11
Check - Leo average Dry Matter Yield 5610 lb/ac (6299 kg/ha) over 19 site years.									
ALSIKE CLOVER									
Frida	—	—	—	—	—	—	—	n/a	11
CICER MILKVETCH									
AC Oxley II	—	—	—	—	—	—	non-bloating	n/a	2
Oxley	100	(11)	P	E	—	—	non-bloating	n/a	11
Windsor	119	(6)	P	E	—	—	non-bloating	n/a	20
Check - Oxley average Dry Matter Yield 4544 lb/ac (5102 kg/ha) over 11 site years.									
RED CLOVER									
Belle	—	—	H,P	—	—	—	double-cut	n/a	11
Concorde	—	—	H,P	—	—	—	double-cut	1992	11
Juliet	—	—	H,P	—	—	—	double-cut	n/a	2
Prima	—	—	H,P	—	—	—	double-cut	n/a	11
Wildcat	—	—	—	—	—	—	—	—	2
YELLOW SWEET CLOVER									
Norgold	100	(1)	H	—	—	Very Early	low coumarin	1981	17
Yukon	102	(1)	H	—	—	Early	—	1970	15
Check - Norgold average Dry Matter Yield 4254 lb/ac (4772 kg/ha) over 1 site year.									
SAINFOIN									
Nova	100	(11)	H,P	—	—	—	non-bloating	n/a	17
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									8,20

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	Year Registered	Notes ²	Seed Source
ANNUAL RYEGRASS							
Italian							
Barmultra	101	(3)		—	1981		20
Fabio	—	—		—	—		2
Maris Ledger	100	(8)		—	1979		15
Max	—	—		—	n/a		11
Nabucco	99	(3)		Early/medium	2008		9
Check - Maris Ledger average Dry Matter yield 7597 lb/ac (8536 kg/ha) over 8 site years.							
Westerwold							
Aubade	100	(9)		Early	1982		2
Elunaria	101	(3)		—	2008		9
SW Botrus	—	—		—	n/a		11
Sabroso	105	(3)		—	n/a		20
Check - Aubade average Dry Matter yield 7913 lb/ac (8891 kg/ha) over 9 site years.							
CREEPING FOXTAIL							
Garrison	100	(3)	P		n/a		11
Check - Garrison Dry Matter Average yield 2650 lb/ac (2973 kg/ha) over 3 site years.							
CREEPING RED FESCUE							
Boreal	100	(10)	P	Early	1966		15
Check - Boreal average Dry Matter yield 4739 lb/ac (5321kg/ha) over 10 site years.							
CRESTED WHEATGRASS							
AC Goliath	—	—		—	n/a	—	17
AC Parkland	—	—	P	—	n/a	—	11
Fairway	93	(17)	H, P	—	1932	Diploid	15
Kirk	100	(35)	H, P	—	1987	Tetraploid	17
Nordan	93	(17)	H, P	—	1958	Tetraploid	15
Parkway	91	(17)	H, P	—	1969	Diploid	11
Check - Kirk average Dry Matter Yield 5724 lb/ac (6416 kg/ha) over 35 site years.							

Variety	Manitoba Mean % of check		Use ¹	Maturity	Year Registered	Notes ²	Seed Source
INTERMEDIATE WHEATGRASS							
Chief	100	(9)	H	—	1961		17
Clarke	97	(5)	H	—	1980		10
Check - Chief average Dry Matter Yield 5329 lb/ac (5978 kg/ha) over 9 site years.							
MEADOW BROME							
Fleet	100	(40)	P,H	—	1987		17
Montana	99	(15)	P,H	—	n/a		20
MBA	—	—	—	—	n/a		11
Paddock	101	(10)	P,H	Early	1987		17
Check - Fleet average Dry Matter Yield 4807 lb/ac (5383 kg/ha) over 40 site years.							
MEADOW x SMOOTH BROMEGRASS							
AC Success	—	—	P,H	—	n/a	Hybrid	11
Bigfoot	—	—	P,H	—	n/a	Hybrid	2
Knowles ☼	103	(12)	P,H	—	n/a	Hybrid	20
Check - Fleet average Dry Matter Yield 4498 lb/ac (5054 kg/ha) over 12 site years.							
MEADOW FESCUE							
Ensign	100	(25)	P,H	—	1944		11
Epic	—	—	P,H	Early-Medium	n/a		2
Prevail	—	—	—	—	n/a		9
Sigmund	—	—	P,H	Early-Medium	n/a		11
Check - Ensign average Dry Matter Yield 4157 lb/ac (4667 kg/ha) over 25 site years.							
MEADOW FOXTAIL							
Mountain	127	(5)	P	—	1989		15
Check - Dan average Dry Matter Yield 4696 lb/ac (5272 kg/ha) over 7 site years.							
ORCHARDGRASS							
AC Nordic	97	(6)	P,H	Late	1992	Winter Hardiness - VG	2
Arctic	114	(10)	P,H	Medium-Late	1989	Winter Hardiness - E	9
Baridana	—	—	P,H	Late	n/a		20
Early Arctic	—	—	P,H	Medium	n/a	Winter Hardiness - E	9
Kay	100	(53)	P,H	Late	1970	Winter Hardiness - G	11
Killarney	—	—	—	—	n/a		20
Kootaney	—	—	—	—	n/a		20
Okay	—	—	H,P	Very Late	1992	Winter Hardiness - VG	11
Check - Kay average Dry Matter Yield 4487 lb/ac (5029 kg/ha) over 59 site years.							
PUBESCENT WHEATGRASS							
Greenleaf	—	—	P,H	—	1966		20
QUACKGRASS x BLUEBUNCH WHEATGRASS							
NewHy	—	—	P,H	—	n/a		20
REED CANARYGRASS3							
Bellevue	—	—	P, H	Early	1993	Low alkaloid	11
Marathon	—	—	P,H	Medium	n/a	Low alkaloid	9,20
Rival	100	(21)	P,H	—	1985	Low alkaloid	2
Vantage	112	(21)	P,H	Early	1981	Low alkaloid	12
Venture	108	(21)	P,H	Very Early	1987	Low alkaloid	9
Check - Rival average Dry Matter Yield 4746 lb/ac (5324 kg/ha) over 21 site years.							
RUSSIAN WILD RYEGRASS							
Swift	100	(6)	P,H	—	1978		17
Check - Swift average Dry Matter yield 3951lb/ac (4432 kg/ha) over 6 site years.							
SLENDER WHEATGRASS							
Revenue	100	(6)	P,H	—	1970		11
Check - Revenue average Dry Matter yield 3928 lb/ac (4407 kg/ha) over 6 site years.							
SMOOTH BROMEGRASS							
AC Rocket ☼	105	(15)	H	—	2001		20
Baylor	98	(17)	H, P	—	1969		11
Bravo	98	(7)	H, P	Early	1983		11
Carlton	100	(65)	H, P	—	1961		15
Magna	99	(26)	H, P	—	1968		17
Peak	—	—	H, P	—	n/a		11
Signal	—	—	H,P	—	1983		17,20
Check - Carlton average Dry Matter Yield 5857 lb/ac (6559 kg/ha) over 66 site years.							
TALL FESCUE							
Barcel	—	—	H,P	Late	1988		20
Courtenay	100	(28)	P,H	Late	1987	Winter Hardiness - G	9
Dovey	—	—	P,H	—	n/a	Winter Hardiness - G	11
Fuego	—	—	P,H	—	1990		11
Kokanee	96	(9)	P,H	—	n/a	Winter Hardiness - G	2
Maximize	92	(7)	P,H	Late	1990		11
Check - Courtenay average Dry Matter Yield 5751 lb/ac (6441 kg/ha) over 28 site years.							

GRASS SPECIES (continued)

Variety	Manitoba Mean % of check		Use ¹	Maturity	Year Registered	Notes ²	Seed Source
TALL WHEATGRASS							
Orbit	100	(6)	P,H	—	1966		17
Check - Orbit Average Dry Matter yield 4216 lb/ac (4730 kg/ha) over 6 site years.							
TIMOTHY							
Basho	99	(18)	H	Medium	1974		17
Champ	98	(25)	H,P	Early	1967		15
Climax	100	(88)	H,P	Medium-Late	1947		15
Drummond	96	(14)	H	Very Late	1940		11
Farol	74	(10)	H	Late	1985		11,20
Grindstad	99	(9)	H,P	Early	2000		20
Itasca	103	(20)	H,P	Medium	1972		11
Richmond	103	(23)	H,P	Very Early	1976		11
Tuukka	99	(11)	H	Late	1997		19
Limited data for the following marketed varieties.							
Alexander	85	(6)	H	Late	1987		19
Alma	96	(3)	H	Medium	1990		11
Argus	92	(1)	H	Medium-Early	1998		11
Aurora	—	—	—	Late	n/a		2
Bottnia II	104	(5)	H,P	Medium	1985		20
Carola	—	—	H	—	1990		11
Colt	100	(3)	H	Medium	1995		20
Comtal	—	—	H,P	Medium-late	n/a		11
Derby	—	—	—	—	n/a		20
Express	112	(6)	H,P	Medium-Late	n/a		9
Joliette	85	(2)	H	Medium	n/a		11
Mariposa	106	(7)	H,P	Late	1984		11
Nike	101	(3)	H,P	—	1989		11
Promesse	100	(6)	H,P	Medium	1993		2
TimPro	—	—	H	Early	2001		11
Check - Climax average Dry Matter 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							1,2,8,9
Sideoats, Grama, Blue Gramma, Switchgrass and Prairie Cordgrass, Western Wheatgrass.							11,13,19,20
Limited data for the following marketed Cool Season Native Grass Species							
Canada Wildrye, Green Needlegrass, Western Wheatgrass							1,2,8,9
Northern Wheatgrass, Streambank Wheatgrass and, Needle and Thread grass.							11,13,19,20

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

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135		
Riverton; Einarson, Kelvin	204-378-5207	F
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Winnipeg; Pickseed Canada Inc.	204-633-0088	C
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Beausejour; Horosko, Patrick B.	204-268-3583	F
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Neepawa; Northstar Seed Ltd.	204-476-5241	F
FORECAST 1001		
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E-MAIL..... ruthfarm@mts.net

REGISTERED SEED MERCHANTS

Alexander; Thomson Forage and Grass Seeds; RR1; R0K 0A0.....	328-7149
Altona; Froese Seed Service Ltd.; PO Box 1447; R0G 0B0	324-6180
Altona; Sawatzky Seed Farms Inc.; Box 1827; R0G 0B0.....	324-4018
Arborg; Floyd Seeds; Box 606; R0C 0A0	364-2308
Arborg; S.S. Johnson Seeds Ltd.; Box 3000; R0C 0A0.....	376-5228
Arborg; Timchishen Seeds; Box 776; R0C 0A0.....	376-5116
Arborg; Triple "B" Seeds; Box 972; R0C 0A0	376-3078
Arborg; Viterra - Arborg; Box 219; R0C 0A0.....	376-5990
Baldur; David Desrochers; Box 149; R0K 0B0	535-2090
Beausejour; Agritel Grain Ltd.; Box 808; R0E 0C0	268-1415
Beausejour; Viterra - Beausejour; Box 1789; R0E 0C0.....	268-3497
Binscarth; Cochran Seeds; Box 272; R0J 0G0	532-2005
Binscarth; Inland Seed Corp.; Box 218; R0J 0G0	683-2316
Binscarth; Paterson Global Foods Inc.-Binscarth; Box 190; R0J 0G0	532-2121
Binscarth; Viterra - Binscarth; Box 410; R0J 0G0	532-5200
Birtle; Birtle Seed Plant; Box 326; R0M 0C0.....	842-3427
Birtle; Stan M. Yaskiw; Box 580; R0M 0C0	842-5252
Boissevain; Armstrong Seeds; Box 1076; R0K 0E0	534-2566
Boissevain; Boissevain Select Seeds Ltd.; Box 957; R0K 0E0	534-6846
Boissevain; Latimer, Kevin; Box 339; R0K 0E0	534-6631
Boissevain; Martens, Ben and John; Box 374; R0K 0E0	534-6952
Boissevain; Viterra - Boissevain; Box 1327; R0K 0E0	534-7246
Boissevain; West-Gro Seeds Service Ltd.; Box 1060; R0K 0E0	534-6692
Brandon; Kowall Seed Cleaning; RR#1 Box 49; R7A 5Y1	728-2605
Brandon; Westman Aerial Spray (1994) Ltd.; Box 56 site 50 RR 5; R7A 5Y5.....	763-8998
Carberry; Chris Robinson; Box 789; R0K 0H0	834-2620
Carberry; Viterra - Carberry; Box 9; R0K 0H0.....	834-2180
Carman; Bud McKnight Seeds Ltd.; Box 309; R0G 0J0.....	745-2310
Carman; Elias Seeds; RR3 Box 65; R0G 0J0	745-3301
Carman; Ronlin Farms Ltd.; Box 1164; R0G 0J0	745-3415
Cartwright; Viterra - Cartwright; PO Box 311; R0K 0L0	529-2674
Clearwater; Chewings Seed Service; Box 151; R0K 0M0	873-2644
Crandall; Neil Doupe Farms; Box 9; R0M 0H0.....	562-3932
Cromer; Bartel Seeds; RR1 Box 53; R0M 0J0	662-4484
Crystal City; Buchanan Seeds; Box 363; R0K 0N0.....	873-2661
Crystal City; Maxwell Marketing Inc.; Box 154; R0K 0N0.....	873-2655
Crystal City; Smith Seeds; Box 89; R0K 0N0	873-2248
Darlingford; Dudgeon's Upper Lye Seeds; Box 10; R0G 0L0.....	246-2357
Darlingford; Viterra - Darlingford; Box 102; R0G 0L0	246-2500
Darlingford; Wilson Seeds Ltd.; RR1; R0G 0L0.....	246-2119
Dauphin; Bonnie Banks Seed Farm; RR4; R7N 2T7.....	638-7623
Dauphin; Dauphin Plains Seed Ltd.; Box 448; R7N 2V3.....	638-7800
Dauphin; Fisher Seeds Ltd.; RR 5 - Compartment 111; R7N 2T8.....	622-8800
Dauphin; Ritchie Seeds; RR4 Comp 6; R7N 2T7.....	638-7543
Decker; Murray Farms Inc.; Box 4; R0M 0K0	764-2733
Deloraine; Bolduc & Bell Farms; Box 482; R0M 0M0.....	747-2913
Deloraine; Viterra - Deloraine; Box 760; R0M 0M0	747-2877
Domain; Manness Seeds; Box 58; R0G 0M0.....	736-2622
Domain; Pitura Seed Service; Box 2; R0G 0M0.....	736-2849
Domain; Shanawan Farms Ltd.; Box 1; R0G 0M0.....	736-2951
Dufrost; Catellier Seed Service Inc.; Box 25; R0A 0K0.....	347-5588
Dufrost; Viterra - Dufrost; Box 26; R0A 0K0	347-5988
Dunrea; Viterra - Dunrea; Box 6; R0K 0S0.....	776-2051
East Selkirk; Kuzminski Seed Farm; Box 8 Group 35 RR1; R0E 0M0.....	482-5475
Elie; Dyck Forages and Grasses Ltd.; Box 275; R0H 0H0	353-2885
Elie; Gervais Seeds Ltd.; Box 126; R0H 0H0.....	353-2152
Elie; Lachance Seeds; Box 431; R0H 0H0	353-2694
Elm Creek; James Runne; Box 187; R0G 0N0	436-2352
Elm Creek; Pouslen, Francis; Box 252; R0G 0N0	436-2284
Fannystelle; Nadeau Seeds Inc.; Box 40; R0G 0P0.....	436-2469
Fannystelle; Viterra - Fannystelle; Box 143; R0G 0P0.....	436-2625
Fisher Branch; George & Harvey Danelak; Box 308; R0C 0Z0	372-6236
Fisher Branch; Interlake Agri Ltd.; Box 190; R0C 0Z0	372-6720
Fisher Branch; Viterra - Fisher Branch; Box 72; R0C 0Z0	372-6600
Fork River; Viterra - Fork River; Box 145; R0L 0V0	657-2366
Forrest; Viterra - Brandon North; Box 43; R0K 0W0	727-6669
Foxwarren; George Graham Seed Farms; Box 193; R0J 0R0	847-2000
Foxwarren; West-Fox Farms; Box 97; R0J 0R0.....	683-2247
Franklin; Viterra - Franklin; Box 25; R0J 0S0.....	476-2668
Gilbert Plains; T & S Seeds; RR3; R0L 0X0	548-2805
Gilbert Plains; Viterra - Gilbert Plains; PO Box 667; R0L 0X0	548-2281
Gladstone; Milne Farms Ltd.; Box 258; R0J 0T0.....	385-2486
Gladstone; Viterra - Gladstone; Box 67; R0J 0T0	385-2349
Glenboro; Jefferies Seeds; Box 582; R0K 0X0	827-2102
Glenboro; Viterra - Glenboro; Box 640; R0K 0X0	827-2842
Glenella; Waldersee Seeds; Box 114; R0J 2G0	352-2242
Glenlea; Bartmanovich Bros.; Box 6; R0G 0S0.....	736-4638

REGISTERED SEED MERCHANTS

Grandview; Grand Valley Acres Seed Farm; RR2; ROL 0Y0.....	546-2505
Grandview; Triple "S" Seeds Ltd.; RR4; ROL 0Y0.....	546-2590
Gretna; Viterra - Gretna Ag Retail; Box 429; R0G 0V0	327-5343
Griswold; Viterra - Griswold; Box 128; R0M 0S0	855-2218
Grosse Isle; Rutherford Farms Ltd.; Box 100; R0C 1G0	467-5613
Grosse Isle; Viterra - Grosse Isle; Box 160; R0C 1G0	467-8026
Hamiota; Cargill Ltd. - Oakner; Box 549; R0M 0T0	764-2012
Hamiota; Knight Seeds; Box 306; R0M 0T0	764-2450
Hamiota; Viterra - Hamiota; Box 460; R0M 0T0	764-2111
Hargrave; Viterra - Hargrave; General Delivery; R0M 0W0	748-1126
Hazelridge; Robert and Andrew Saramaga; Box 100; R0E 0Y0	755-2817
Headingley; Boychuk Farms; 11 Boychuk Road; R4H 1C1	837-1111
Holland; Marginets Farm; PO Box 45; R0G 0X0	526-2544
Holland; Viterra - Holland; Box 9; R0G 0X0	723-2423
Holland; Zeghers Seed Inc.; Box 426; R0G 0X0	526-2145
Homewood; Agassiz Seed Farm Ltd.; Box 54; R0G 0Y0	745-2868
Homewood; Pembina Consumers Coop (2000) Ltd; Box 26; R0G 0Y0	745-2868
Inglis; Jackson Seeds Ltd.; Box 142; R0J 0X0	564-2293
Kenton; R&E Stevenson; Box 206; R0M 0Z0	838-2012
Kenville; Carmichael Seed Farm; Box 68; R0L 0Z0	734-3913
Killarney; Chatham Seed Cleaning; Box 211; R0K 1G0	523-8112
Killarney; HB Agriseed; Box 1870; R0K 1G0	523-7464
Killarney; Paterson Global Foods Inc.; Box 1230; R0K 1G0	523-8936
Killarney; Richardson Pioneer - Killarney; Box 98; R0K 1G0	523-7035
La Salle; Wiens Bros.; 81 Kingswood Drive; R0G 0A1	736-4204
Landmark; Richardson Pioneer - Landmark; Box 70; R0A 0X0	355-4061
Landmark; Willow Ridge Seed Farm; Box 63 RR 1; R0A 0X0	388-4877
Laurier; LaurEx Seeds Ltd.; Box 55; R0J 1A0	447-2622
Letellier; BBF Enterprises Ltd.; Box 327; R0F 1C0	737-2605
Letellier; Seed-Ex Inc.; Box 238; R0K 1C0	737-2000
Lowe Farm; Pedigreed by Penner; RR1 Box 19; R0G 1E0	829-3556
MacDonald; Adrain Ltd.; Box 12; R0H 0S0	274-2251
MacGregor; Hulme Agra Products Inc.; Box 68; R0H 0R0	685-2627
Manitou; Sanders Seed Farm; RR1; R0L 1G0	242-2576
Marquette; Paul Friesen; Box 16 Group 40; R0H 0V0	322-5773
Mather; McLennan Farms Ltd.; Box 67; R0K 1L0	529-2372
McCreary; Musgrave Enterprises Ltd.; Box 369; R0J 1B0	835-2527
Medora; Vandaele Seeds Ltd.; Box 144; R0M 1K0	665-2384
Melita; Cargill Ag Horizons - Elva; Box 148; R0M 1L0	522-8588
Miami; Viterra - Miami; Box 176; R0G 1H0	435-2223
Miniota; Walker's Seed Service; Box 144; R0M 1M0	567-3647
Minitonas; Viterra - Minitonas; Box 85; R0C 1G0	525-2090
Minnedosa; Gugin Seeds; Box 789; R0J 2E0	867-3411
Minto; Fraser Seeds Ltd.; Box 85; R0K 1M0	776-2047
Minto; Southern Seed; Box 203; R0K 1M0	776-2333
Morden; Duncan Seeds Ltd.; 301 South Railway; R6M 1G7	822-6629
Morden; Duncan Seeds Ltd. - Elias Site; SW-22-4-5; R6M 1V9	829-6629
Morden; Philip and Norman Hildebrand; 901 Wardrop Street; R6M 1K2	362-0322
Morris; Dakedo Ventures Inc.; Box 612; R0G 1K0	746-6403
Morris; Friesen Seeds Ltd.; RR1 Box 16; R0G 1K0	746-8325
Morris; Horizon Agro; Box 59 RR1; R0G 1K0	746-2026
Neepawa; Northstar Seed Ltd.; Box 2220; R0J 1H0	476-5241
Newdale; Warehamdale Seeds Ltd.; Box 56; R0J 1J0	849-2029
Niverville; Terraflex Ag Services Inc.; Box 356; R0A 1E0	388-6565
Notre Dame; Durand Seeds; Box 60; R0G 1M0	248-2268
Oak Bluff; Derek Erb Seeds Inc.; Box 272; R0G 1N0	736-2933
Oak Bluff; Gousseau Seed Farms; Box 123; R0G 1N0	895-1357
Oak Lake; Gerlyn Acres Ltd.; Box 329; R0M 1P0	855-3128
Oak River; Henry, J.S. & Son Ltd.; Box 67; R0K 1T0	566-2422
Oak River; Stewart Bros. Seeds; Box 156; R0K 1T0	566-2155
Oakville; Blight Native Seeds Ltd.; Box 244; R0H 0Y0	267-2687
Oakville; Miller Agritec Inc.; Box 83; R0H 0Y0	267-2283
Petersfield; Viterra - Petersfield; Box 340; R0C 2L0	738-2455
Pilot Mound; Cavers Farms Inc.; Box 90; R0G 1P0	825-2012
Pilot Mound; John M. Smith; Box 208; R0G 1P0	825-2715
Pilot Mound; Viterra - Pilot Mound Ag Retail; Box 419; R0G 1P0	873-2059
Plum Coulee; Giesbrecht Seed Farms Ltd.; Box 60; R0G 1R0	829-3365
Plum Coulee; Janzen Seeds Ltd.; Box 43; R0G 1R0	829-7749
Plum Coulee; Viterra - Plum Coulee Ag Retail; Box 71; R0G 1R0	829-3810
Plumas; Court Seeds and Greenhouses; Box 280; R0J 1P0	386-2354
Plumas; Tonn Seeds; Box 5; R0J 1P0	386-2206
Portage La Prairie; Jamor Farms Ltd.; RR1 Box 47; R1N 3A1	857-8274
Portage La Prairie; Lake Manitoba Seed Co. Ltd.; RR1 Box 64; R1N 3A1	857-8708
Portage La Prairie; McCallister Farms Ltd.; RR1 Box 68; R1N 3A1	857-8444
Portage La Prairie; New Gen Seed Service Ltd.; RR4 Box 9; R1N 3A4	274-2417
Portage La Prairie; Pugh Seeds Ltd.; RR4 Box 32; R1N 3A4	274-2179
Portage La Prairie; Sanderson, Garry; RR1 Box 61; R1N 3A1	857-8406

REGISTERED SEED MERCHANTS

Portage La Prairie; Sissons Farms Ltd.; Box 822; R1N 3C3.....	857-7341
Rathwell; Viterra - Rathwell; Box 28; R0G 1S0	749-2212
Reston; Avondale Seed Farm Ltd.; Box 190; R0M 1X0	877-3813
Reston; Viterra - Reston; Box 416; R0M 1X0	877-3128
Rivers; Redsped Enterprises Ltd.; Box 579; R0K 1X0	328-5346
Roblin; G M Seed Cleaning; RR 1; R0L 1P0	937-2739
Roblin; Viterra - Roblin; Box 1270; R0L 1P0	937-6370
Rosburn; Sunny Acres Seed Farm; Box 245; R0J 1V0	859-2431
Rosser; Krym Farms Ltd.; Box 56; R0H 1E0	467-9081
Rosser; Mei-West Enterprises Inc.; Box 87; R0H 1E0	467-5922
Russell; Keating Seed Farms Inc.; Box 820; R0J 1W0	773-3854
Russell; Woroneski's Seed Plant; Box 1328; R0J 1W0	773-3262
Sandy Lake; Gerrard Family Seeds; Box 178; R0J 1X0	759-2213
Sanford; Bergen Seed Farm; Box 205; R0G 2J0	736-2278
Shoal Lake; Richardson Pioneer - Shoal Lake; Box 446; R0J 1Z0	759-2917
Solsgrith; Nickel Bros.; Box 52; R0J 2B0	842-3786
Somerset; Sierns Seed Service; Box 35; R0G 2L0	744-2883
Somerset; Van Deynze Farms Ltd.; Box 205; R0G 2L0	744-2384
Souris; Kohut Seed Farms Ltd.; Box 98; R0K 2C0	483-3063
Souris; Viterra - Souris Dist.; Box 520; R0K 2C0	483-2945
Springstein; Wiebe Seeds; Box 82; R0G 2N0	735-2750
St. Claude; R-Way Ag Ltd.; Box 388; R0G 1Z0	379-2582
St. Jean Baptiste; Viterra - St. Jean Baptiste Ag Retail; Box 369; R0G 2B0	758-3125
St. Joseph; Remillard Seed Farm; Box 45; R0G 2C0	737-2376
St. Joseph; Saskcan Pulse Trading - Parent Division; PO Box 36; R0G 2C0737-2625	
St. Leon; Labossiere, Luc N.; CP 5106; R0G 2E0	744-2208
Starbuck; Richardson Pioneer - Starbuck; Box 9; R0G 2P0	735-2302
Ste. Anne; Seine River Seed Farm; Box 6-A, RR1; R5H 1R1	355-4495
Ste. Rose Du Lac; Gagnon Seed Service Ltd.; RR2; R0L 1S0	447-2118
Ste-Agathe; Viterra - Ste-Agathe; Box 68; R0G 1Y0	882-2567
Steinbach; Marc Hutlet Seeds Ltd.; Box 3023; R5G 1P4	422-5805
Steinbach; South East Seeds; Box 40005; R5G 0N8	371-2898
Ste-Rose du Lac; Hansen Creek Farms Ltd.; PO Box 434; R0L 1S0	447-2024
Stonewall; Quarry Grain Commodities Inc.; Box 1840; R0C 2Z0	467-8877
Stonewall; Unger Seed Farm Ltd.; Box 471; R0C 2Z0	467-8630
Strathclair; Oliver Farm Seed; Box 366; R0J 2C0	625-2080
Strathclair; Parrish & Heimbecker - Glossop; Box 426; R0J 2C0	365-5282
Swan River; Oterlin Farms & Seed Service Inc.; Box 132; R0L 1Z0	734-2292
Swan River; Swan Valley Seeds; Box 2256; R0L 1Z0	734-2526
Teulon; Kletke Seed Farm Ltd.; Box 23; R0C 3B0	886-2822
Treherne; Stinson Seeds; Box 1; R0G 2V0	723-2319
Virde; Clearview Acres Ltd.; Box 1060; R0M 2C0	748-2666
Warren; C.T. Riddell Farm (2000) Ltd.; Box 334; R0C 3E0	227-5679
Warren; Jones Farm Seeds; Box 37; R0C 3E0	322-5604
Waskada; Boissevain Select Seeds/Shur -Gro Farm Services;	
Box 159; R0M 2E0	534-6846
Wawanessa; Ellis Farm Supplies Ltd.; Box 208; R0K 2G0	824-2290
Westbourne; Richardson Pioneer - Dundonald; Box 114; R0H 1P0	274-2301
Whitemouth; Oldenburg Inc.; Box 147; R0E 2G0	348-2294
Winkler; Ens Farms Ltd.; Box 218 RR1 Group 16; R6W 4A1	325-4658
Winkler; Viterra - Winkler; RR 1 Box 72; R6W 4A1	325-6498
Winkler; Winkler Co-op; Box 1120; R6W 4B2	327-6424
Winnipeg; Brett Young; PO Box 99 St. Norbert Postal Stn; R3V 1L5	478-2212
Winnipeg; DL Seeds Inc.; PO Box 98 St. Norbert Postal Stn; R3V 1L5	261-1178
Winnipeg; Imperial Seed (1979) Ltd.; 1038 Arlington Street; R3E 2G1	786-8457
Winnipeg; James Farms Ltd.; Box 16 Group 620 SS 6; R2C 2Z3	222-8785
Winnipeg; Parrish & Heimbecker - Transcona; Box 199 B RR 5; R2C 2Z2	222-7171
Winnipeg; PickSeed Canada Inc.; Box 4 Group 200 RR1; R3C 2E6	633-0088

ACCREDITED PRIVATE SEED TESTING LABS

Lab Name and Address	Contact	Scope of Accreditation		Other
		Purity & Germination	Disease	
Manitoba				
Accu-Test Seed Laboratory Box 579 2nd Ave. E Rivers, Manitoba R0K 1X0	Dorothy Ward Tel: (204) 328-5313 Fax: (204) 328-7400	Crop kinds in Grade Tables 1 to 11 (except orchardgrass), 13 to 20	Pulses: Ascochyta, Anthracnose, Botrytis Vomitoxin	
BioVision Seed Labs (Winnipeg) B17-1391 St.James Street. Winnipeg, Manitoba R3H 0Z1	Patrick Greer Tel: 1-877-721-2365 Fax: (204) 775-6614	none	None	Grain inspection and analysis
Integrity Seed Lab Ltd. 1038 Arlington Street Winnipeg, Manitoba R3E 2G1	Glen Green Tel: (204) 774-1882 Fax: (204) 774-1881	Crop kinds in Grade Tables 1 to 11 (except orchardgrass), 13 to 20	None	Herbicide tolerance testing in RR Canola and LL Canola and RR Soybeans
SGS Canada Inc. 103-136 Portage Ave. E Winnipeg, Manitoba R3C 0A1	Yan Li Tel: (204) 942-8557 Fax: (204) 942-8599	Crop kinds in Grade Tables 1 to 11 (except orchardgrass), 13 to 20	Pulses: Ascochyta, Anthracnose, Botrytis. Cereals: Fusarium, Vomitoxin	
Saskatchewan				
AG Seed Laboratory Box 998 Carrot River, Saskatchewan S0E 0L0	Janet Stoner Tel: (306) 768-2662 Fax: (306) 768-3337	Purity: Crop kinds in Grade Tables 1 to 11 (except orchardgrass), 13 to 20 Germ: Crop kinds in Grade Tables 1 to 11 (except orchardgrass), 12 (except bluegrass and Agrostis spp.), 13 to 20.	Cereals: Fusarium, True Loose Smut, Pulses: Ascochyta, Anthracnose, Botrytis, Sclerotinia Canola: Blackleg, Alternaria, Sclerotinia	
Discovery Seed Lab 450 Melville St. Saskatoon, Saskatchewan S7J 4M2	Bruce Carriere Tel: (306) 249-4484 Fax: (306) 249-4434	Crop kinds in Grade Tables 1 to 11 (except orchardgrass), 13 to 20	Cereals: Fusarium, True Loose Smut, Pulses: Ascochyta, Anthracnose, Botrytis, Sclerotinia Canola: Blackleg, Alternaria, Sclerotinia	Flax - Tiffid detection
Prairie Diagnostics Seed Lab Inc. 1105 Railway Ave. Weyburn, Saskatchewan S4H 3H5	Bonnie Ernst Tel: (306) 842-7375 Fax: (306) 842-7376	Crop kinds in Grade Tables 1 to 7	None	
Seed Solutions Seed Labs Inc. Box 1420 Swift Current, Saskatchewan S9H 3G6	Shanna Spolhandske-Dale Tel: (306) 741-9309 Fax: (306) 773-4460	Purity: None Germ: Crop kinds in Grade Tables 1 to 6	Cereals: Barley True Loose Smut	
Alberta				
20/20 Seed Labs Inc. Suite 201, 509-11th Ave. Nisku, Alberta T9E 7N5	Sarah Foster Tel: (780) 955-3435 Fax: (780) 955-3428	All Crop Kinds	Cereals: Loose Smut, Pulses for Ascochyta spp.	Flax - Triffid detection
BioVision Seed Labs 7225 B Roper Road Edmonton, Alberta T6B 3J4	Ken Penner Tel: (877) 721-2365 Fax: (780) 437-6875	All Crop Kinds	Cereals: Loose Smut, Fusarium spp, Root Rot, Fungal Scan. Pulses: Ascochyta, Botrytis, Anthracnose.	Flax - Triffid detection CLEARFIELD confirm in wheat & lentils
BioVision Seed Labs (Grande Prairie) Suite C, 12803 - 100 St. Grande Prairie, Alberta T8V 4H3	Michelle Kulba Tel: (780) 532-8890 Fax: (780) 513-0115	Crop kinds in Grade Tables 1 to 11 (except orchardgrass), 13 to 20	None	
Parkland Laboratories 5410 Gaetz Avenue Red Deer, Alberta T4N 4B7	Walter Pitz Tel: (403) 342-0404 Fax: (403)358-3836	Crop kinds in Grade Tables 1 to 7	Cereals: Fusarium	
Precision Seed Testing Box 210 Beaverlodge, Alberta T0H 0C0	Sherry Corvalan Tel: (780) 354-2259 Fax: (780) 354-8955	Crop kinds in Grade Tables 1 to 11 (except orchardgrass), 13 to 20	Cereals: Fusarium, Peas: Ascochyta spp., Canola: Blackleg	
Seed Check Technologies Lab 101, 5906 - 50 Street Leduc, Alberta T9E 0R6	Morgan Webb Tel: (780) 980-8324 Fax: (780) 980-8375	All Crop Kinds	All	

Source: Canadian Seed Institute June 24, 2011

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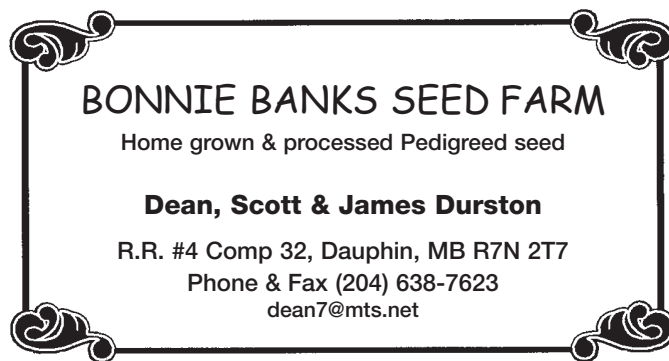
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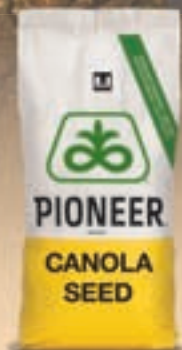


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