

yield 2014

MANITOBA



YIELD MANITOBA / 2014

WWW.MMPP.COM

Manitoba's 2013 bumper crop / 5

Participatory plant breeding / 10

MASC database invaluable / 14

Crop rotation tables / 20

Climate maps & statistics / 28

MASC Management Plus yield data / 32

Compliments of
Manitoba Agriculture, Food & Rural Development
Manitoba Agricultural Services Corporation
and Manitoba Co-operator

TOUGH WEEDS?



MEET EXPRESS®!



The miracles of science™

GET RIGHT TO THE ROOT OF YOUR TOUGHEST WEED CHALLENGES!

Crank up the rate all you want, glyphosate alone still misses a number of hard-to-kill weeds like narrow-leaved hawk's-beard, flixweed, stinkweed, dandelion and volunteer canola. With hotter-than-hot systemic activity, DuPont™ Express® herbicides don't just control weeds, they smoke them from the inside out, getting right to the root of your toughest weed challenges with performance that glyphosate alone can't match. It's no wonder Express® goes down with glyphosate more than any other brand in Western Canada!

Visit expressvideo.dupont.ca to see Express® in action – torching tough weeds like dandelion and volunteer canola right down to the roots, so they can't grow back.

Express® brand herbicides. *This is going to be hot.*

Questions? Ask your retailer, call 1-800-667-3925 or visit express.dupont.ca

**DuPont™
Express®**

As with all crop protection products, read and follow label instructions carefully.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Express® are registered trademarks or trademarks of E. I. du Pont de Nemours and Company. E. I. du Pont Canada Company is a licensee. Member of CropLife Canada.

©Copyright 2014 E. I. du Pont Canada Company. All rights reserved.



contents

YIELD MANITOBA / 2014

A PLANNING TOOL FOR MANITOBA FARMERS

Manitoba's 2013 bumper crop shattered many yield records	5
Participatory plant breeding for organic production	10
Client contributions to the MASC database: valuing the invaluable	14
Crop rotation tables: back by popular demand.	20
Corn and soy — minimizing risk with smart choices	24
Seasonal variability makes every year a new chapter	28
MASC Risk Area Map	32

Variety Yield Tables

Manitoba	33
• Risk Area 1	37
• Risk Area 2	40
• Risk Area 3	42
• Risk Area 4	44
• Risk Area 5	46
• Risk Area 6	49
• Risk Area 7	50
• Risk Area 8	52
• Risk Area 9	54
• Risk Area 10	56
• Risk Area 11	58
• Risk Area 12	60
• Risk Area 14	64
• Risk Area 15	66
• Risk Area 16	68

Agroclimatic Maps

Per cent of normal accumulated precipitation	29
Total accumulation of precipitation	29
Per cent of normal accumulated Corn Heat Units	30
Total accumulation of Corn Heat Units	30
Per cent of normal accumulated of Growing Degree Days	31
Total accumulation of Growing Degree Days	31

Yield Manitoba is an annual publication of
Manitoba Agricultural Services Corporation

Correspondence may be addressed to:
400 - 50 24th St. NW, Portage la Prairie, MB R1N 3V9
Doug Wilcox, Ph.D., P.Ag.
Manager, Program Development — Insurance
Phone: 204-239-3269 Fax: 204-239-3401
dwilcox@masc.mb.ca
www.masc.mb.ca www.mmpp.com

Published by
Farm Business Communications
1666 Dublin Avenue
Winnipeg, MB R3H 0H1
Phone: 204-944-5765
Fax: 204-944-5562
news@fbcpublishing.com
www.agcanada.com

National Sales:
James Shaw
JSA Communications
Phone: 416-231-1812
Fax: 416-233-4858
jamesshaw@rogers.com

Cover photo from Thinkstock.com
Supplement to the Manitoba Co-operator, February 20, 2014

There's a lot of potential in these seeds.

Help realize it with the number one inoculant.



 **Nodulator® N/T**
the BioStacked inoculant

There's a reason Nodulator® N/T is the best-selling soybean inoculant in Canada. It's the only one that's BioStacked®. Unlike ordinary offerings, a BioStacked inoculant delivers multiple beneficial biologicals to enhance the performance of soybeans. These help increase root biomass, create more nodules and improve nitrogen fixation. Of course at the end of the day, all you have to know is what it does for your bottom line. Nodulator N/T out-yields non-BioStacked inoculants by 4-6%. So why settle for ordinary? Visit agsolutions.ca or contact **AgSolutions®** Customer Care at 1-877-371-BASF (2273) for more information.

 **BASF**
The Chemical Company

Always read and follow label directions.

AgSolutions is a registered trade-mark of BASF Corporation; NODULATOR and BIOSTACKED are registered trade-marks of BASF; all used with permission by BASF Canada Inc. © 2014 BASF Canada Inc.

The question now is whether it was a one-time event or a sign of things to come

Manitoba's 2013 bumper crop shattered many yield records

by Allan Dawson, *Manitoba Co-operator* staff

There are years with record-yielding crops and then there was 2013.

Last year five of the six major grains and oilseeds grown in Manitoba set new yield records. And the one that didn't — canola — tied the 43-bushels-an-acre record set in 2009.

Manitoba has never seen so many yield records smashed in a single year, said Doug Wilcox, manager of agronomy and program development for the Manitoba Agricultural Service Corporation's crop insurance division.

"It's shocking," he said. "It's probably the first year where the coffee shop talk actually matched reality and that's a surprise."

Using crop insurance data, the *Manitoba Co-operator* looked at 11 crops — seven set new yield records and two tied the record. (See Tables 1 and 2 for a summary.)

It was a "Goldilocks" year with yield records set in red spring (high-quality milling) wheat, feed wheat, soybeans, oats, barley, grain corn, flax and white pea beans.

Winter wheat and non-oil sunflowers didn't set records, but winter wheat, which averaged 67 bushels an acre, was a bushel above 2012's average yield and four per cent above the 10-year average.

Non-oil sunflowers averaged 1,943 pounds an acre, down six per cent from 2012, but half again better than the 10-year average.

(The data reviewed in early January, was 99.8 per cent complete. Final results could vary slightly. Much of the data is in this publication. It's also available online



University of Manitoba senior agronomy instructor Gary Martens says Manitoba crop yields in 2013 were astounding. PHOTO: ALLAN DAWSON

through MASC's Management Plus program at http://www.mmpp.com/mmpp.nsf/mmpp_index.html.)

Red Spring Wheat

Manitoba's red spring wheat averaged 61 bushels an acre, shattering the old record by an unprecedented 10 bushels an acre.

With such a high provincial average some individual farmers must have reaped very high yields.

Continued on page 6

Table 1: 2013 YIELDS OF SELECTED MANITOBA CROPS

Crop	2013 Yield bushels/acre	2012 yield	% change	10- year average	% change	New Record in 2013?	Old Record Yield	Year
Red Spring Wheat	61	48	+27	44	+39	Yes	51	2009
Winter Wheat	67	66	+2	64	+4	No	71	2008
Feed Wheat	78	56	+39	49	+59	Yes	58	2003
Argentine Canola	43	27	+59	32	+34	Tie	43	2009
Oats	106	83	+28	86	+23	Yes	101	2008
Barley	82	54	+52	61	+34	Yes	74	2009
Flax	28	16	+75	20	+4-	Tie	28	2009
Grain Corn	136	121	+12	93	+46	Yes	121	2012
Soybeans	38	36	+6	30	+27	Yes	37	2007
White Pea Beans lbs/a	2,211	1,793	+21	1,309	+69	Yes	1,853	2011
Non-Oil Sunflowers lbs/a	1,943	2,065	-6	1,300	+49	No	2,370	2012

Source: Manitoba Agricultural Services Corporation's Management Plus, necessary claculations

TABLE 2: SUMMARY OF BEST AND WORST 2013 YIELDS FOR SELECTED MANITOBA CROPS

Crop	Yield 2013 bushels per acre	Rural Municipality	2013 Manitoba average yield	2013 Manitoba acres	2012 Manitoba acres	10-year average acres	Variety	Acres
RED SPRING WHEAT			61	2.5 million	2.2 million	2.19 million		
Highest yield by RM	74	Shell River & Charleswood		2.1 million	1.7 million	2.2 million		
Lowest yield by RM	30	Kelsey						
Highest average yield by variety in an RM	87	Minto					CDC Utmost	1,618
Highest average yield by variety province wide	83						5400IP	595
WINTER WHEAT			67	408,625	550,540	298,114		
Highest yield by RM	94	Woodlands						
Lowest yield by RM	25	Pipestone						
Highest average yield by variety in an RM	83	St. Francis Xavier					Broadview	4,888
Highest average yield by variety province wide	77						Flourish	4,026
FEED WHEAT			78	134,721	46,041	40,590		
Highest yield by RM	95	Woodlands						
Lowest yield by RM	27	Grahamdale						
Highest average yield by variety in an RM	99	Woodlands					Pasteur	1,292
Highest average yield by variety province wide	91						No Name Given	525
ARGENTINE CANOLA			43	3.1 million	3.5 million	2.7 million		
Highest yield by RM	54	Louise						
Lowest yield by RM	17	Kelsey						
Highest average yield by variety in an RM	62	Minto					Invigor 5440	1051
Highest average yield by variety province wide	49						Invigor L154	121,413
OATS			106	334,463	444,954	592,803		
Highest yield by RM	156	Headingley						
Lowest yield by RM	32	Kelsey						
Highest average yield by variety in an RM	166	Morris					Summit	540
Highest average yield by variety province wide	115						Summit	39,838
BARLEY			80	423,935	484,221	600,967		
Highest yield by RM	108	Cartier						
Lowest yield by RM	24	Kelsey						
Highest average yield by variety in an RM	124	Woodlands					CDC Austenson	596
Highest average yield by variety province wide	116						Xena	1,947
FLAX			28	69,401	122,934	236,694		
Highest yield by RM	38	Elton						
Lowest yield by RM	12	Pipestone						
Highest average yield by variety in an RM	38	Elton					CDC Bethune	1,729
Highest average yield by variety province wide	38						Omega (Yellow seeded)	2,559
CORN			136	304,858	262,978	167,287		
Highest yield by RM	161	Ste. Anne						
Lowest yield by RM	57	Albert						
Highest average yield by variety in an RM	170	Ste. Anne					Pioneer 39D97	2,546
Highest average yield by variety province wide	158						Pioneer 39V05	6,446
SOYBEANS			38	1041,013	821,147	364,338		
Highest yield by RM	45	Headingley, Portage la Prairie						
Lowest yield by RM	21	Pipestone						
Highest average yield by variety in an RM	50	Grey					NSC Niverville RR2Y	833
Highest yield by variety province wide	47						NSC Tilston RR2Y	735
WHITE PEA BEANS			2211	27254	53655	63973		
Highest yield by RM	2,738	North Cypress						
Lowest yield by RM	1,258	North Norfolk						
Highest average yield by variety in an RM	2,738	North Cypress					Envoy	910
Highest yield by variety province wide	2,398						Portage	562
NON-OIL SUNFLOWERS			1,943	39,853	43,676	106,003		
Highest yield by RM	2788	Riverside						
Lowest yield by RM	875	Pipestone						
Highest average yield by variety in an RM	2955	Springfield					Seeds2000 6946 DMR	1039
Highest average yield by variety province wide	2744						Dahlgren D-9530	818

Source: Manitoba Agricultural Services Corporation's Management Plus, necessary claculations



Pencil it out anyway you want. Nexera™ canola makes you more, thanks to healthier premiums, performance and demand for heart-healthy Omega-9 Oils. See your Nexera crusher or retailer. Or visit healthierprofits.ca.

Nexera RR Hybrids rank HIGHEST in grower satisfaction.*

A large, dynamic splash of bright yellow canola oil is the central visual element. It originates from a black mechanical nozzle on the right side of the frame. The oil is captured mid-splash, with multiple droplets and a large, flowing mass. The background is a clear blue sky with scattered white clouds. In the lower right, a portion of a yellow agricultural machine, likely a canola harvester, is visible.

MAKE IT NEXERA™
**AND MAKE
MORE.**



Dow AgroSciences

Solutions for the Growing World

*According to Canola Evaluation and Intentions,
Canada, 2012, Stratus Agri-Marketing, Inc.

™Trademark of The Dow Chemical Company ("Dow")
or an affiliated company of Dow.
11/13-21849-02_36511-02 YM



Cory Martin (r) and his father Hal Martin after a severe storm including high winds and hail swept through the Reston and Pipestone area the evening of July 13. That and other storms in 2013 reduced yields in the RM of Pipestone.

PHOTO: LORRAINE STEVENSON

Continued from page 6

The Rural Municipalities of Shell River (Roblin area) and Charleswood (Winnipeg area) tied for the highest municipal red spring wheat yield at a whopping 74 bushels an acre.

The highest-yielding variety across a municipality was CDC Utmost, which averaged an amazing 83 bushels on 596 acres in the RM of Minto.

Carberry was the most popular red spring wheat in 2013 with almost 795,000 insured red spring acres, or 43 per cent of the market. It averaged a remarkable 62 bushels an acre, just above the provincial average.

Wheat

The story is even more dramatic for feed wheat, which covers varieties in the Canada Western General Purpose class. The provincial average was 78 bushels an acre — 20 bushels higher than the old record set in 2003 and 29 bushels more than the 10-year average.

There is growing interest in the general-purpose wheats and 2013's yields are sure to add to the buzz.

In the RM of Woodlands (Woodland, Warren area) Pasteur wheat averaged 99 bushels on 1,292 acres.

Feed wheat in a half-dozen municipalities averaged 80 bushels an acre or more.

Pasteur was the most grown variety at 63,064 acres, taking 47 per cent of the market. It averaged 79 bushels an acre province-wide.

Faller, an unregistered American Dark Northern Spring wheat, averaged 79 bushels on almost 41,000 acres.

Jenna, another unregistered U.S. variety, averaged 87 bushels on 7,454 acres.

"The numbers are completely astounding," said Gary Martens, a senior agronomy instructor at the University of Manitoba.

"The rainfall and the temperature must have been perfect because I don't see other variables being that different. Every year we fertilize to a really high yield. And we protect our crops from weeds, we protect them from diseases. So the only variables left in my mind are temperature and precipitation. And obviously those were in perfect harmony for wheat."

Grain corn

That worked for grain corn too. It averaged a bin-busting 136 bushels an acre, breaking the previous record of 121 set just the year before. The 10-year average is 93.

Corn and soybeans — both heat-loving crops — achieved record yields — but so did oats and barley, which yield better under cooler conditions.

Breaking so many records surprised Wilcox, given the growing season. Spring came late, following a long, cold winter with a lot of snow. Many areas received excessive rains at seeding time. West of Morden, for example, was swamped with 13 inches of rain at the end of May, forcing many farmers to reseed.

The RMs of Kelsey (The Pas area) and Pipestone (Reston area) suffered below-average yields because of excessive rain.

"We got a decent enough start," said Marnie McCracken, Manitoba Agriculture, Food and Rural Development's (MAFRD) farm production adviser in The Pas. "The crop was emerging OK, but we just got slammed with a heavy rainfall and the crop couldn't recover."

Too much rain, as well as hail, took its toll in the RM of Pipestone too.

Red spring wheat averaged 30 bushels an acre in Kelsey — the lowest average municipal red spring yield in Manitoba.

Kelsey also saw the lowest average yields for canola, oats and barley at 17, 32 and 24 bushels an acre respectively.

The RM of Pipestone saw the lowest average municipal yields for soybeans, flax and winter wheat at 21, 12 and 25 bushels an acre respectively and for non-oil sunflowers at 875 pounds an acre.

MAFRD weather data show most areas received above-normal crop heat units. But the last couple of weeks in July were unusually cold. Andy Nadler, an agricultural meteorologist with Weather Innovations based south of Morden, said above-normal temperatures in August and September made up for it.

"That probably helped the corn," he said. "Had September been cool it would have been a different situation but the fall was so open the July-August temperatures didn't affect it as much and it just seemed to work."

Most of the province was drier than normal too, with some dramatic exceptions including The Pas, Ethelbert and Reston, which received 191, 134 and 189 per cent of normal precipitation.

Canola

Much of this year's canola crop bloomed longer than normal due to late seeding and cool weather. The result was a crop that averaged 43 bushels an acre compared to just 27 in 2012 and the 10-year average of 32.

"Wheat has a wider range of growing conditions that it can do well under," Martens said. "Canola does not like wet, it does not like dry, it does not like hot."

Farmers in the RM of Louise (Pilot Mound, Crystal Creek area) aren't complaining. Their canola averaged 54 bushels an acre.

The highest municipal average yield by variety was in the RM of Minto where Invigor 5440 averaged 62 bushels on 1,061 acres.

5440 was Manitoba's most popular canola accounting for more than 514,000 acres or 25 per cent of the market. It averaged 46 bushels an acre.

The highest-yielding variety province-wide was Invigor L164, averaging 49 bushels on more than 121,000 acres.

Soybeans, which have been Manitoba's third-highest acreage crop behind wheat and canola for a couple years, yielded a record 38 bushels an acre. That's up a bushel from the previous record set in 2009.

A record 1.04 million acres of soybeans were seeded in 2013, up 26 per cent. Probably many of them were seeded by novices making the record yield more remarkable, Martens said.

However, Wilcox said a study he did in the 1990s showed new edible bean growers got higher yields than veterans. He suspects new growers might be more vigilant.

The RMs of Headingley and Portage la Prairie in south-central Manitoba had the highest municipal soybean yield at 45 bushels an acre.

The variety NSC Tilston RR2Y had the highest province-wide yield averaging 47 bushels from 735 acres.

"It's probably the first year where the coffee shop talk actually matched reality and that's a surprise."

— Doug Wilcox

The most popular variety was 24-10RY seeded on 121,000 acres, accounting for 12 per cent of the plantings. It averaged 40 bushels an acre.

2013 shows the potential for crop production in Manitoba when the weather co-operates, Martens said. He suspects this was a once-in-a-generation occurrence.

That's possible, said Wilcox, but he doesn't rule out the possibility history could repeat sooner than that.

Manitoba farmers are crossing their fingers.

allan@fbcpublishing.com



Fly with a Leader.

73-75 RR. One of the highest yielding canola hybrids in Manitoba.*

*2012 Monsanto Field Scale Trials.

ALWAYS FOLLOW GRAIN MARKETING AND ALL OTHER STEWARDSHIP PRACTICES AND PESTICIDE LABEL DIRECTIONS. Details of these requirements can be found in the Trait Stewardship Responsibilities Notice to Farmers printed in this publication ©2013 Monsanto Canada, Inc.

A unique program at the University of Manitoba helps farmers breed varieties suitable for their conditions and practices

Participatory plant breeding for organic production

by Anne Kirk and Martin Entz, Department of plant science, *University of Manitoba*

Since the beginning of agriculture farmers have been actively selecting the best-looking plants and seeds, making them the world's first and oldest plant breeders. Participatory plant breeding (PPB) aims to restore the place of farmers in crop variety development by bringing together farmers, plant breeders and other partners in the plant-breeding process.

The aim is to develop cultivars relevant to farmers' needs through selection in the farm environment. A second aim important to our PPB program is to give farmers more control over seed resources by helping them develop and maintain their own varieties. Most of the early selection takes place in a farmer's field and decisions are made mostly by the farmer.

PPB is particularly successful in production systems that are underserved by traditional plant-breeding programs

and for production systems with uniquely stressful growing conditions. Because of the relatively small number of organic acres, plant-breeding programs have generally overlooked organic production systems. Most varieties currently used in organic agriculture are bred for conventional, high-input production. Involving farmers is a good way to develop varieties suitable for organic growing conditions and unique growing environments. The most successful approach to PPB is getting farmers involved early in the process and having them remain partners throughout.

The PPB program at the University of Manitoba brings together farmers and plant breeders to develop wheat, oat and potato cultivars suitable to low-input production systems. Although the unique conditions found on each

Continued on page 12



A plot of potatoes near Neuberghal, Man. When making selections at harvest time each hill is dug individually so that tubers from different hills do not mix. ALL PHOTOS: UNIVERSITY OF MANITOBA



Growing Confidence

INNOVATIVE BREEDING

POWERFUL PERFORMANCE

A LEADER IN SEED. Investment in innovations that are transforming the landscape. Performance that was unimaginable just a few short years ago. That's business as usual for us, because every seed matters to you. ***Fly with a Leader.***

Talk to your **DEKALB®** dealer today, or visit DEKALB.ca



ALWAYS FOLLOW IRM, GRAIN MARKETING AND ALL OTHER STEWARDSHIP PRACTICES AND PESTICIDE LABEL DIRECTIONS. Details of these requirements can be found in the Trait Stewardship Responsibilities Notice to Farmers printed in this publication. ©2013 Monsanto Canada Inc.

farm lend themselves to different breeding goals for each farmer, the general goal is to develop disease- and pest-resistant germplasm which is competitive against weeds and effective at scavenging nutrients.

In 2013, 42 oat, 74 wheat and nine potato populations were distributed to 38 farms across the country. Most of the wheat and oat populations were grown on the Prairies. While 2013 was the first year of the participatory potato program, it was the third year of the wheat program and the second year of the oat program.

Like sire selection

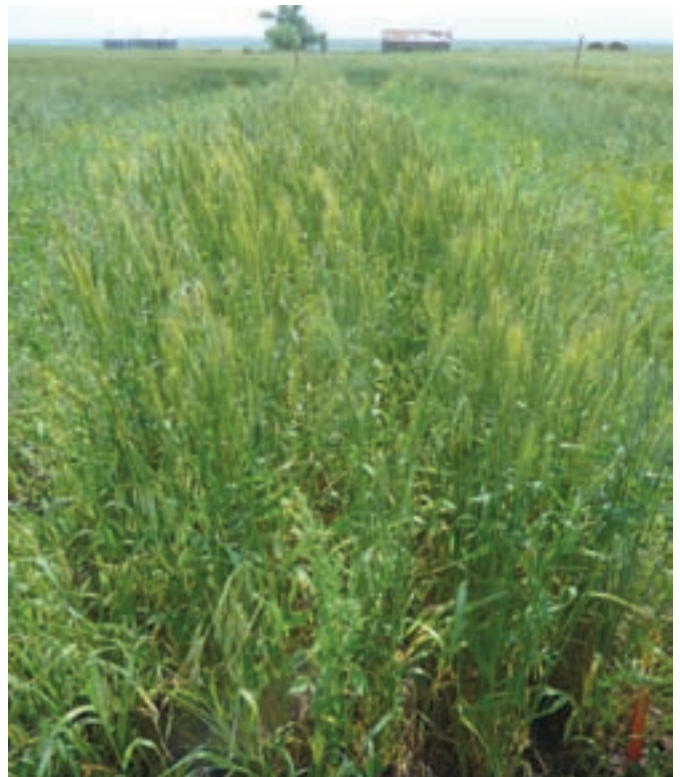
In this project an experienced plant breeder makes the crosses, with farmers having direct input into which parents are used. This makes the process similar to sire selection in on-farm beef breeding.

Based on the characteristics of the parental lines used to make the cross, participants will choose the populations that they would like to grow on their farm. The segregating populations are distributed to farmers who select within the same population for three years. After the period of on-farm testing, the populations are returned to the research station for further yield and quality testing.

The populations are planted within the farmer's normal crop rotation and production practices. Growing populations with a high level of genetic diversity allows the farmers to select genotypes that are well suited to their conditions.

Wheat and oat crosses are made at the AAFC Cereal Research Centre in Winnipeg, at the University of Manitoba, or by the farmers themselves. New wheat and oat participants receive F2 or F3 populations while returning participants grow populations that they had previously made selections in. Populations are planted by hand or with a push garden seeder using typical row spacing and seeding rates in plots that are approximately 20 square metres.

Selections can be made shortly before harvest or throughout the growing season using positive or negative selection. With positive selection, the participant selects 300-500 of the best spikes in each population at maturity. These spikes



Populations are planted by hand or with a push garden seeder using typical row spacing and seeding rates in plots that are approximately 20 square metres.

are then threshed together to form a bulk population for planting the following year.

With negative selection unwanted plants are removed from the population and the remaining plants are bulk harvested. Seed is returned to the University of Manitoba for threshing and cleaning then sent back to the participants for planting the next year.

Potato selection

In the potato program, initial crosses are made at the AAFC Potato Research Centre in Fredericton. Seed resulting from the initial cross is planted in a greenhouse to produce seed-



A potato selection plot near Delta, B.C.

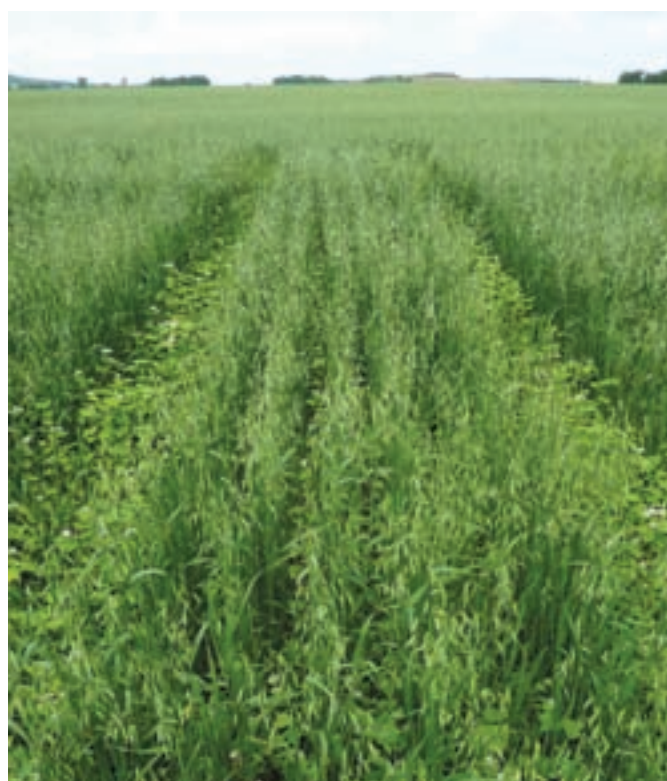
ALL PHOTOS: UNIVERSITY OF MANITOBA

ling tubers for planting in the field. Participants receive one or two potato populations, and each population consists of approximately 500 tubers.

Selections in the first year are mostly conducted at harvest time and will be based on tuber appearance. Selections can also be conducted throughout the growing season based on characteristics such as above-ground biomass, vigour, maturity and insect or disease resistance. When making selections at harvest time each hill is dug individually so that tubers from different hills do not mix. Once all hills are dug the farmer will choose 10-30 per cent of the original population to move forward to the next generation.

One tuber out of each selected hill is retained for planting in the next year. In the second year each tuber will be cut into four pieces and planted at a unit, which allows for more vigorous selection. In the third year of on-farm selection plots will be larger to allow for yield assessment and grading according to what the participating producer would typically do.

The University of Manitoba PPB project is entering its fourth year and has received new funding from The Bauta Family Initiative on Canadian Seed Security. This funding will help to build capacity of the program and increase the skills and knowledge of the farmers and research participants. The major strengths of this program are getting farmers to guide the breeding objectives and providing farmers the opportunity to have more control over their seeds.



This plot of oats near Brandon is one of 42 in the PPB program across Canada in 2013.

PROVEN
VR9562GC

Proven®
SEED

Top YIELDS

Unlock your field's potential.

Western Canadian farmers are choosing Proven VR 9562 GC as part of their long term plan for managing clubroot disease. With exceptionally high yield potential and excellent standability, this new canola hybrid will maximize your field's potential.

Contact your local CPS retail location and get the power to grow with Proven VR 9562 GC and the entire Proven Seed portfolio.



Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship. **ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity and Design®, Genuity®, Roundup Ready® and Roundup® are registered trademarks of Monsanto Technology LLC, Monsanto Canada, Inc. licensee. ©2013 Monsanto Canada Inc. **Pioneer®** and the Trapezoid symbol are registered trademarks of Pioneer Hi-Bred. Proven® Seed is a registered trademark of Crop Production Services (Canada) Inc. CPS CROP PRODUCTION SERVICES and Design is a registered trademark of Crop Production Services, Inc.

Farmers can use MASC data to help benchmark their yields against neighbouring fields without the risk of ‘coffee shop inflation’

Client contributions to the MASC database: valuing the invaluable

by Doug Wilcox, MASC

Producers may wonder, “What’s the point?” as they set about the annual task of filing seeded acreage and harvest reports to Manitoba Agricultural Services Corporation (MASC).

The value of anything depends on your perspective.

The value of MASC crop information is zero if you have no need for information on Manitoba’s crops or rural land use. But if you are an MASC client, and the provision of your crop information is essential to obtain a crop insurance benefit, then crop information is extremely valuable to you directly and immediately.

However, the value of the crop information you provide to MASC is so much more than that. In fact, the information you provide to MASC is invaluable, and MASC is grateful to all the producers who take the time and effort required to fill out all the MASC requests annually.

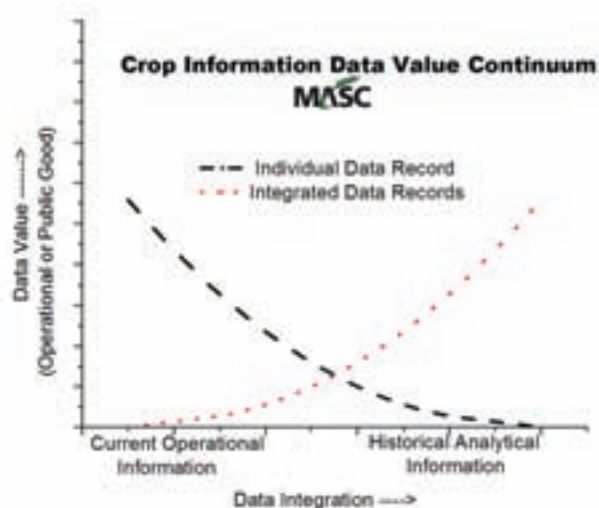
Some valuations

From a dollars and cents standpoint, it has been estimated that it costs MASC over \$500,000 a year to annually enter and maintain crop insurance information on the roughly 9.6 million acres insured in Manitoba. From a business standpoint, the value of the data collected should exceed the cost of entering and maintaining it. MASC crop insurance has claim payments averaging \$185 million a year, so it’s quite reasonable to allocate the equivalent of 0.3 per cent (\$500,000) of the payment amounts to ensure that public crop insurance funds are spent wisely in an unbiased fashion, and with an oversight that would hold up to client and public scrutiny.

However, there is also the potential public good value beyond crop insurance operational dollars and cents. For example, if Manitoba producers were to pick canola varieties or certain management practices as a result of reading the information in this *Yield Manitoba* publication, and those selections result in an average yield increase of one bushel per acre, the potential provincial economic benefit would be significant. If we assume there are three million acres of canola in Manitoba, and that every bushel of canola is worth \$13 per bushel, then three million acres at one bushel per acre at \$13 per bushel = \$39 million — a substantial benefit to the Manitoba economy.

Gone are the days when crop insurance information arrives, serves its function in program administration, and is then left idle in a database. Today crop insurance

Figure 1



information is leveraged on an ongoing basis. That means extracting the maximum information value from data at all points in a data record’s life — not just soon after the record is entered.

Figure 1 illustrates a model of the data value continuum. Just after they’re entered, individual records of MASC crop information have high value because they can be used in current context (used for claims, etc.). But over time the value of a single individual record declines. However, that record becomes a component of the integrated data, and its value increases as data insights can be obtained from the aggregated and historically integrated individual data records — to see trends, patterns and anomalies (e.g. crop rotations, most robust varieties, etc.). So as the MASC crop information ages, the nature of the actions taken on it and the derivation of value changes, but the value of the data record does not decrease.

Producer contributions and MASC information

Like every business, MASC needs basic information on its clients and potential clients for operations, for the purposes of planning, and for the development and improvement of its products and services. Good crop insurance



The information clients are currently required to provide to MASC annually is less than the information the producers should have already available to manage their farm cropping systems.

programs are based on reliable, accurate and detailed crop information, both current and historical. Detailed crop information makes it possible for MASC to make insurance payments, design new programs, improve existing programs and solve problems. Clients are obligated to report their crop information to MASC annually under the “Requirement to File” sections under the terms of the AgriInsurance contract.

In its 54 years of providing crop insurance, MASC has collected a wide range of crop-related information from its clients. In recent years, this information has come from close to 90 per cent of the annual cropped acres planted in Manitoba, so it is very representative. The MASC database is likely one of the most detailed and continuous land-based crop information databases available anywhere, and can be analyzed at regional scales ranging from individuals to regions (e.g. townships, rural municipalities, risk areas) or by crop or farm type.

Crop management information is collected primarily through the Seeded Acreage Reports (June) and Harvested Production Reports (November). Most crop information is collected for immediate insurance needs and additional information is collected for research purposes. Information collected by MASC is done under

the authority of The Manitoba Agricultural Services Corporation Act.

Some producers say the amount of information they are required to provide to MASC is onerous. Crop information currently reported to MASC annually by clients includes the crops and varieties grown, field locations, pedigreed seed use, broadcast seeding use, seeding dates, fertilizers applied and rates, crop grade, and crop yields. However, these reporting requirements are much less onerous than in the past, when MASC also required clients to report all the chemicals applied, fertilizer application methods used, seeding methods used, tillage equipment used (including number of passes), straw management practices, drainage practices, if any soil tests were done, and major crop stresses and moisture conditions. Managing your farm is easier when you have the information you need to make decisions, and the information clients are currently required to provide to MASC annually is less than the information the producers should have already available to manage their farm cropping systems.

Continued on next page

Continued from previous page

Objectives and opportunities

The main objectives of MASC crop information data collection are to:

- Facilitate administration of the crop insurance programs; and to
- Provide accurate information for crop insurance research, including the development of new programs or to enhance existing programs.

The indirect opportunities arising from MASC crop information data collection are that MASC can assist Manitobans by:

- Producing accurate information that can serve clients and government in agricultural and rural decision-making;
- Producing accurate information that can serve the fields of agricultural education and research; and
- Provide unbiased commercially useful information to agriculture and rural businesses and for the agricultural media.

At the public level, everyone can access and use aggregated MASC crop information. The Manitoba Management Plus Program (MMPP) website at www.mmpp.com

has been running since 1996, and makes available crop and variety yield and acreage information by municipality, risk areas, and soil productivity index, as well as crop rotation and seeding date information. Other management information is available as well. A companion element to MMPP is the annual publication *Yield Manitoba*. *Yield Manitoba* provides risk-area yields by variety for the major crops in hard-copy format, to assist producers with variety selection.

On a limited basis, individuals and organizations can make special requests for aggregate research information from MASC. However, whether the information is provided generally depends on the scale of the data, the resources required to produce the data, and the potential value to MASC clients and the public.

At the private level, MASC clients are annually sent their individual crop field histories (for the last five years) in a Crop Management History (CMH) document sent with their MASC confirmation. The CMH is useful for producer benchmarking and crop rotation planning. Additionally for some producers, the MASC CMH is their only organized historical record of production, and is sometimes provided as background information for credit application risk assessment and for AgriStability reporting.

Privacy and accuracy

Generally crop insurance information is provided to external organizations only as statistical summaries, so that it is not possible to identify an individual's personal



The most critical stage in attaining a plant's yield potential is in **THE FIRST 30 DAYS®** of its growth.

Early season stresses (both biotic and abiotic) can significantly affect the health, vigour and productivity of a crop – setting back maturity and reducing yield.

The focus of Omex's research and development is to maximize yield potential with products that enhance and complement a well-balanced soil-applied fertilizer program. These products are applied at three key stages in **THE FIRST 30 DAYS**.



PRIMERS

OMEX PRIMERS add nutrients onto the seed, optimizing nutritional balance to maximize emergence and vigour. **PRIMERS** help the plant manage (or cope with) the stresses of early season conditions to get the crop off to a strong start.



Speak to an **Omex Plant Health Professional** today at **1-866-860-9660** or visit **omexcanada.com**.

Omex Agriculture Inc. is a market leader in the research, development and manufacturing of the most innovative line of plant nutrition products for the agriculture and horticulture sectors. Find out more at omexcanada.com. Always read and follow label directions / The First 30 Days® is a trademark of Omex Agriculture Inc.

information. Under the terms of the AgriInsurance contract, MASC may share information pertaining to clients when such personal information is combined with other information to form a larger database, such that clients' personal information is not identifiable.

Additionally, under the terms of the AgriInsurance contract, MASC may provide the Government of Canada, the Government of Manitoba and their respective Crown agencies with any personal information in the corporation's possession pertaining to clients on a confidential basis. In instances where MASC is required to provide these government agencies with personal information, it is only provided on a limited-use basis with strict confidentiality arrangements.

MASC data is collected from the producer at their leisure and keyed in by experienced staff, or by the clients directly, and may potentially be audited, so errors in data entry are usually few. Even so, keyed in data is further scrutinized electronically, or through comparative reports, and outlier data is revisited and corrected as required by MASC. Additionally, because most of the crop information is returned to producers on their CMH, producers have the opportunity to detect any remaining errors in the data entered and have them corrected. Historical continuity, accuracy and authentication is important in a dataset, and having a single data custodian (MASC) acting as a steward of the crop information offers a single point of truth, and in turn adds value to the data.

Information users and uses

The following sections briefly describe some of the users and main uses of the crop information contributed by producers to MASC. This is not a complete listing but provides a feel for who and how MASC data is being used.

MASC: Facilitate administration of the crop insurance programs

The crop information provided by clients helps MASC to maintain up-to-date actuarially sound coverage, premium rates and grade guarantees. For example, as yields trend upward MASC can offer higher probable yield protection because it has the data to defend such increases in probable yields to insurance actuaries and to the federal government. The information is also used operationally by MASC for determining claims by declaration, for underwriting coverage levels (IPI), and for logistics planning to facilitate the planning and provision of services according to needs. This knowledge reduces administrative costs and in turn saves the government money.

MASC: Provide accurate information for crop insurance research including the development of new programs or to enhance existing programs

The crop information provided by clients provides accurate detailed information to MASC decision makers which serve as a basis for developing and setting

Continued on next page



STARTERS

OMEX STARTERS are placed in the seed row to provide readily available phosphorus for maximum uptake into the plant. **STARTERS** promote rapid root growth and accelerated seedling emergence.



FOLIARS

OMEX FOLIARS are specialized liquid products formulated with specific nutrients to be applied with herbicides, fungicides and insecticides. **FOLIARS** boost a plant's metabolism during periods of biotic or abiotic stress to preserve yield potential.

Stronger start. Faster finish.

actuarially sound crop insurance programs. Some recent examples of how crop yield and variety information provided to MASC over the years was used to set probable yields and premium rates include breaking out dry edible beans into coloured types in 2002, separating rapeseed from canola in 2007, adding coverage for Proso Millet in 2004 and adding coverage for Tall Fescue Grass in 2007. If MASC hadn't been collecting crop information for research purposes, the development of these programs would have been more difficult and more uncertain, which could mean the programs may not have been offered at all or that producers would have to pay higher premiums.

PRODUCERS/PRODUCER GROUPS/MAFRD: Producing accurate information that can serve clients and government in agricultural and rural decision-making

The crop information provided by clients is returned to clients as CMH reports or analyzed or summarized in aggregate through extension materials. Producers use this information for benchmarking, marketing assessments, and improved farm management decision-making. For example, top producers are always looking for weaknesses in their enterprise to take corrective actions. Using *Yield Manitoba* data producers can compare their operations to their neighbours results without "coffee shop inflation." Also with *Yield Manitoba* information producers can pencil out realistic scenarios from growing new crops or varieties in their area or in new areas. Producer groups use MASC crop acreage by crop information to estimate likely checkoff incomes and for initiative analysis to support lobbying efforts.

Manitoba Agriculture and Food and Rural Development (MAFRD) has used MASC crop information to assist decision makers in setting policies according to the needs of various sectors, estimating program budgets, and to quantify the outcome effectiveness of various programs. MASC crop information also assists MAFRD in learning about the characteristics of sectors, and enables efficient channelling of budgets and infrastructure to specific areas. For example, the budgets for, and compensation amounts provided in, some programs have been based on acreage and yields reported to MASC in target sectors or regions. MASC crop information is also used by MAFRD extension staff as local background information for crop presentations and extension materials.

UNIVERSITIES/COLLEGES/SCIENTISTS/ECONOMISTS: Producing accurate information that can serve the fields of agricultural education and researchers

The crop information provided by clients is used by students for completing seminar projects, in research projects for graduate degrees, as data for GIS mapping projects, and simply as background info when writing papers for school. For example, the Crop Atlas information on the Manitoba Management Plus Program website was completed by a Red River College GIS student as a GIS project and agriculture students at the University of Manitoba and Assiniboine Community

College use *Yield Manitoba* data in some assignments (e.g. Manitoba yield increases over time analysis) and for farm business plan analysis.

The crop information provided by clients is also used by scientists and economists to research trends and distribution of crops and crop management practices and to correlate MASC data with other datasets (e.g. weather, economic, health, etc.). For example, previous issues of this *Yield Manitoba* publication have summarized MASC crop information on seeding date yield response, crop rotation impacts and climate change impacts on crop yields. Over the years there have also been many academic publications based on MASC crop information. Some recent examples include looking at GMO crop variety performance, pesticide risk, fertilizer run-off risk, weed resistance risk and habitat valuation.

AGRIBUSINESS/JOURNALISTS: Providing unbiased commercially useful information to agriculture and rural businesses and for agricultural media

The crop information provided by clients is used by journalists requiring background crop information for articles. For example, to increase industry market knowledge, journalists annually cite MASC seeded acreage data on crops grown in Manitoba (particularly for crops not surveyed by StatsCan) in summer articles in agricultural publications.

Additionally, the yield and acreage crop information provided by clients and summarized by MASC on the MMPP website is valuable commercial information which can serve as the basis for agribusiness market research, assessment of demand for products and services, and for assessment of personnel needs by region. Also lawyers, seed and chemical companies, oil companies, etc. use MASC crop information for establishing fair remediation compensation levels. Realtors also use MASC crop information as a source of unbiased regional cropping and yield information for prospective farm purchase clients. Financial lenders also use the crop information for benchmarking for loan risk assessment.

Too much data, not enough insight

Thousands of datasets exist, especially in the public sector, but very few of them are readily available to the public. MASC crop information is one of the notable exceptions. By increasing the availability of land-based crop information to the public, MASC has increased the value of the program data it needs to collect from clients for internal operational and research purposes.

Public-sector employees operate in environments with low levels of resources and administrative capacity constraints, which can minimize or eliminate the time and resources they can devote to actively extract additional public good from their operational data. However, as this article illustrates, there can be considerable benefit in having public dataset managers devoting time and resources to creating additional data value, and decision makers within government need to encourage this. Otherwise the public will end up with government bodies operating with "too much data and not enough insight."



CALL US FOR THE REST OF THE WORDS



CLEANING, SORTING & PACKAGING SEED
VISIT WWW.LEWISM CARTER.COM OR CALL 1-800-667-6924

SERVING THE CANADIAN AGRICULTURAL INDUSTRY FOR OVER 25 YEARS

Crop rotation tables: back by popular demand

by Anastasia Kubinec, oilseeds crop specialist, *Manitoba Agriculture, Food and Rural Development*

Farmers enjoy flirting with sexy new varieties and new or improved products, but when it comes to tried-and-true production strategies, crop rotation is the steady standby.

The tables on the following page are some of the most requested pieces of information that Manitoba Agricultural Service Corporation (MASC)/Manitoba Agriculture, Food and Rural Development (MAFRD) receives.

The popularity of these charts relates to the fact that they are useful agronomic 'real-life' management information. Over your fields and others in Manitoba, we consistently see some crops performing better when planted after others.

These charts provide trends that can be used to help with crop choice planning, whether it's deciding how to sequence your tried-and-true or new crops you are plugging into your field cycle.

The crop rotation charts in this article look at the

Regardless of the timeline for the crop rotation chart, these trends have stayed the same:

- **Crop on same crop stubble — yield lost 10-15 per cent** (see *Tables 1 and 2*)

Potential reasons: Diseases overwintering on crop stubble and then affecting the next perfect host crop. Examples are blackleg (canola), FHB (wheat, barley, oat, corn), wheat streak mosaic (winter wheat or spring wheat on winter wheat).

Exception: Soybean results were positive in 2000-12, but negative in 2008-12 dataset. The reasons the yield decline is not higher is soybean is a relatively new crop in many areas and the diseases overwintering on stubble may not be present yet. Another reason could be the benefits of black soil for a second soybean crop and potentially higher populations of rhizobium after the first crop, both making yield loss due to disease less obvious. Proceed with caution in the future, as the more soybean crops planted, more pests will occur and build up.

- **Influence of arbuscular mycorrhizal fungi on next crops — yield loss of two to 12 per cent** (*Tables 1 and 2*)

Potential reasons: Arbuscular mycorrhizal fungi (AMF) are those symbiotic fungi in the soil that greatly assist crops such as flax and corn with early-season phosphorus uptake,

which is needed to get the crop to a good start and yield potential. They help cereals as well, but not to the same extent. Canola though does not need the AMF and in a canola crop year, the AMF numbers decline.

This means the population of AMF is not there early on for the next crop and if they need it. The obvious result is yield loss, but also delayed maturity and higher moisture grain at harvest. So for the 20 per cent of fields in which Manitoba farmers are planting corn after canola, try another crop because this could be bumping up your drying costs in the fall!

The tables on the following page are some of the most requested pieces of information that Manitoba Agricultural Service Corporation (MASC)/Manitoba Agriculture, Food and Rural Development (MAFRD) receives.

yields and frequency of planting for a long period of 2000-12 and then the shortened 2008-12 timeline.

The reason for the split focus was the change in the composition crop types planted in Manitoba in 2008 and afterwards, specifically that of increased soybean-corn, and decreased peas-flax.

Both charts offer a snapshot of the impact of the previous year stubble type on present year crop yields. Average yields and acreages for the crop types have also been included to provide more information. Remember, these numbers are based on the information MASC contract holders provided back to MASC on the annual yields and previous crops planted. It only includes information on fields over 120 acres.

Continued on page 22

Genuity® Roundup Ready 2 Yield® Soybeans

**We know it
because
we grow it.**



**We're independent seed producers.
We grow Certified seed. We process it.
And we offer you the best value in RR2Y soybeans.**

Knowing we're just down the road means you can have confidence in the genes that fit *your* farm. We know it because we grow it.



www.secan.com

NEW McLeod R2 2375 HU

Bishop R2 2450 HU

NEW Gray R2 2450 HU

Chadburn R2 2475 HU

Currie R2 2500 HU

Genes that fit *your* farm® is a registered trademark of SeCan.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Always follow grain marketing and IRM requirements. Details of these requirements can be found in the Trait Stewardship Responsibilities Notice to Farmers printed in this publication.

Genes that fit *your* farm.®

Table 1: Relative Yield response (per cent of 2000-2012 average) of Manitoba crops sown on previous crops (stubble >120 acre)

Previous Crop	Crop Planted									
	Winter Wheat	Spring Wheat	Barley	Oat	Canola	Flax	Field Pea	Soybean	Sunflower	Grain Corn
Winter Wheat	67	83	102	101	95	106	99	103	98	84
Spring Wheat	89	88	100	101	104	103	103	102	100	96
Barley	88	90	87	93	100	98	97	95	99	87
Oat	88	89	87	84	92	95	95	104	101	97
Canola	104	103	105	104	84	88	92	102	84	97
Flax	86	96	106	99	100	77	89	89	101	NSD
Field Pea	NSD	103	104	106	102	117	82	NSD	NSD	NSD
Soybean	NSD	105	107	102	87	99	NSD	104	86	98
Sunflower	NSD	97	102	94	NSD	NSD	NSD	97	95	100
Grain Corn	NSD	NSD	102	108	104	NSD	NSD	98	103	89
Yield (bu/ac)	60	43	61	88	32	20		28	1389lb	89

Table 2: Relative Yield response (per cent of 2008-2012 average) of Manitoba crops sown on previous crops (stubble >120 acre)

Previous Crop	Crop Planted									
	Winter Wheat	Spring Wheat	Barley	Oat	Canola	Flax	Field Pea	Soybean	Sunflower	Grain Corn
Winter Wheat	78	74	106	100	97	107	107	101	97	87
Spring Wheat	86	85	98	101	104	104	103	103	101	100
Barley	83	89	84	93	100	96	101	100	97	99
Oat	76	90	86	82	92	95	97	99	100	93
Canola	104	102	103	104	85	88	92	101	95	95
Flax	102	98	110	97	104	73	101	96	98	NSD
Field Pea	NSD	100	104	98	104	124	NSD	NSD	NSD	NSD
Soybean	NSD	106	106	105	98	100	NSD	95	92	103
Sunflower	NSD	99	102	96	NSD	NSD	NSD	99	88	99
Grain Corn	NSD	NSD	101	106	104	NSD	NSD	107	112	87
Yield (bu/ac)	65	47	62	95	34	20		32	1521lb	95

Table 3: Previous crop (stubble) distribution (%) of large acreage fields (>120 acres) sown to the major field crops in Manitoba during the period 2000-2012

Previous Crop	Crop Planted									
	Winter Wheat	Spring Wheat	Barley	Oat	Canola	Flax	Field Pea	Soybean	Sunflower	Grain Corn
Winter Wheat	1	4	4	3	4	6	8	6	11	3
Spring Wheat	2	10	24	23	51	55	56	23	38	11
Barley	4	2	9	6	11	11	10	4	8	4
Oat	4	3	5	4	7	9	6	14	18	5
Canola	69	57	35	36	5	5	5	18	1	18
Flax	1	6	4	4	2	<1	1	1	2	NSD
Field Pea	NSD	3	1	1	5	NSD	1	NSD	NSD	NSD
Soybean	NSD	2	2	8	2	1	NSD	13	2	11
Sunflower	NSD	3	4	3	NSD	NSD	NSD	2	<1	4
Grain Corn	NSD	NSD	1	1	1	NSD	NSD	3	3	9
Yield (bu/ac)	268,600	2,316,700	676,700	617,900	2,488,900	266,400		309,700	148,600	152,400

Table4: Previous crop (stubble) distribution (%) of large acreage fields (>120 acres) sown to the major field crops in Manitoba during the period 2008-2012

Previous Crop	Crop Planted									
	Winter Wheat	Spring Wheat	Barley	Oat	Canola	Flax	Field Pea	Soybean	Sunflower	Grain Corn
Winter Wheat	1	4	6	4	5	3	10	7	14	4
Spring Wheat	1	5	17	14	48	50	45	22	31	10
Barley	3	1	7	4	9	9	9	3	8	4
Oat	3	2	5	3	7	11	9	14	20	5
Canola	71	63	41	42	7	8	10	21	2	22
Flax	1	4	4	3	2	<1	1	1	1	NSD
Field Pea	2	1	1	7	1	NSD	NSD	NSD	NSD	NSD
Soybean	NSD	4	3	14	3	2	NSD	15	4	16
Sunflower	NSD	3	5	4	NSD	NSD	NSD	2	<1	3
Grain Corn	NSD	NSD	1	1	1	NSD	NSD	3	4	8
Yield (bu/ac)	330,100	2,109,600	450,000	485,400	2,946,400	168,200		555,300	108,600	184,600

- **Oilseed-pulse on cereal and vice versa = a four per cent loss to 10 per cent gain**

Potential reasons: Rotating between a broadleaf crop to a grass and vice versa is one of the best options for year-after-year planting. Between the two plant types, diseases and other pests differ, which increases chances of yield boost as pests.

Exceptions: It's not only pests that cause an increase or decrease in yield. Other factors occurring in crop can carry over to the next crop such as herbicide residues, excess stubble trash reducing plant establishment the next spring.

The above are the obvious items we can explain that influence yields of the next crop on stubble. There are many less obvious ones that have a large contribution to the next crop as well that need to be managed:

- Trash remaining from last crop affecting emergence and establishment of next crop;
- Over- or underfertility in previous crop affecting the next crop;
- Herbicide carry-over in the soil affecting the next crop;
- Water use or depth of use impacting the next crop.

These too need to be considered before coming to the final conclusion of what crop you are going to plant on which stubble left over from the previous year.



PHOTO: THINKSTOCK.COM

MOVING AT THE SPEED OF TECHNOLOGY

1-800-265-7403
www.hylandseeds.com

DOW Dow AgroSciences

Hyland
Seeds

© 1999-2013 The Dow Chemical Company. "Dow" is a trademark of The Dow Chemical Company. "Dow" is an affiliated company of Dow. 09/13/2013-01 YM

Farmers should utilize CHU maps, or other similar systems, as a tool to ensure they are growing appropriate varieties

Corn and soy — minimizing risk with smart choices

by Karen Dunne Thiessen, *MASC*

The limiting factor for warm-season crops like corn and soybeans is often temperature. While environmental factors such as soil fertility and moisture influence crop performance, the rate at which these crops progress through developmental stages to maturity is often most influenced by the temperature.

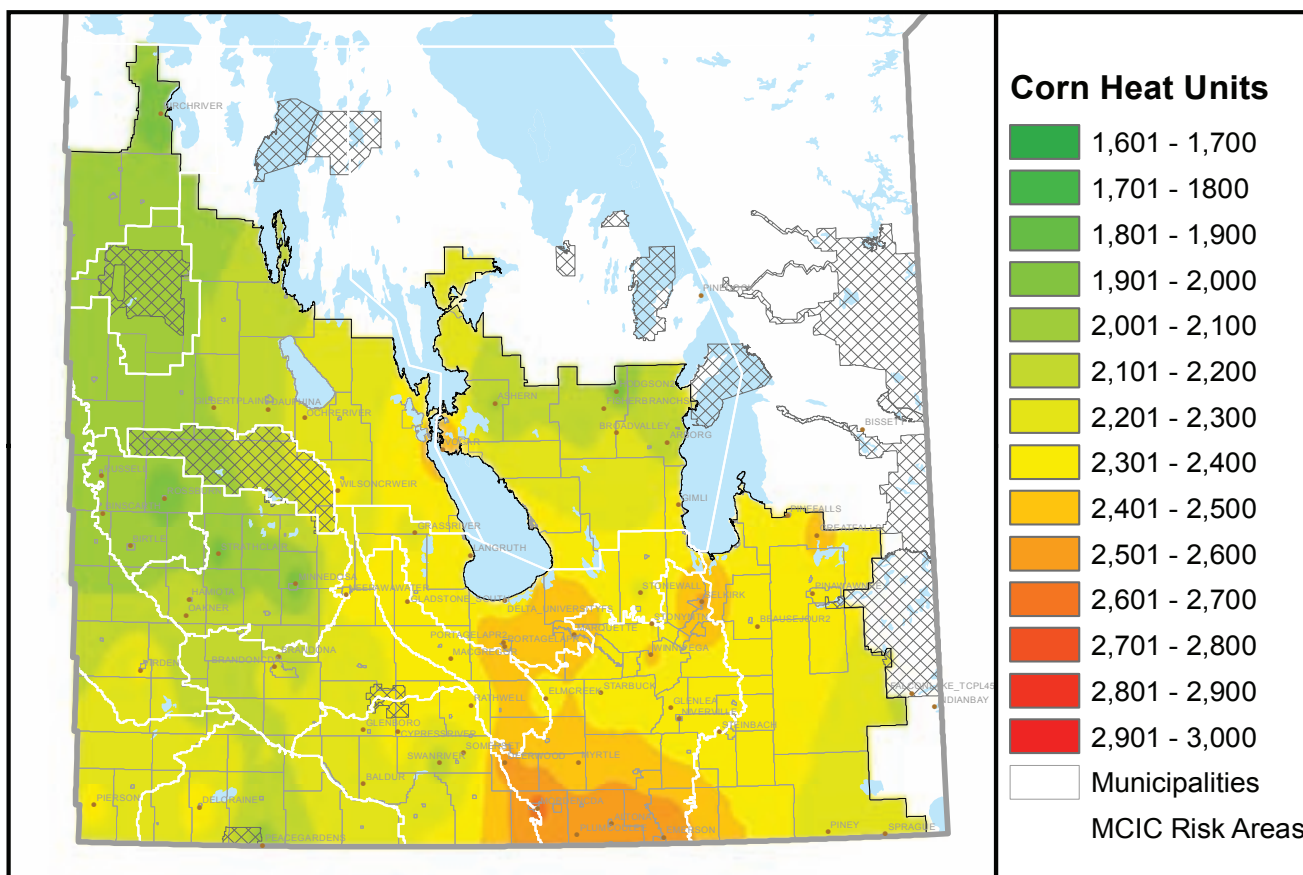
Looking at the insurance program in Manitoba, historic data from Manitoba Agricultural Services Corporation (MASC) shows that a lack of seasonal heat in 2004 and 2009 contributed to high crop losses in warm-season crops like soybeans and corn. Considering the heat unit

requirements of specific varieties and hybrids can be an important risk-limiting tool to help predict the likelihood of that crop reaching maturity in your area.

The corn heat unit (CHU) calculation is a standard formula that accounts for daily maximum and minimum air temperatures, and assumes the rate of growth increases with increasing temperatures. The calculation assumes no growth occurs with night temperatures below

Continued on next page

Figure 1: Annual accumulation of corn heat units at a 25 per cent risk



Normal Corn Heat Units: 25% Risk from May 15 to First Fall Frost of -2.2. Based on 1971 to 2000

Source: MAFRD

GET AHEAD AND STAY AHEAD

PEKKO^{R2}

MAKE YOUR MOVE EARLY WITH PEKKO R2 SOYBEANS

Blast out of the ground fast with Elite's Pekko R2 soybeans from BrettYoung, and stay ahead of the pack with industry leading performance. BrettYoung and Elite® brand soybeans bring a dynamic edge to Western Canadian soybean growers with varieties tailored to the specific needs of farmers.

Pekko R2 is one of the earliest maturing Genuity® Roundup Ready 2 Yield® soybean varieties on the market. It takes off early, displays high pod set and finishes strong. Choose Pekko R2 for impressive, reliable yields.

In the end, it all comes down to performance and BrettYoung brings a new standard of excellence to the field.

brettyoung.ca • 800-665-5015



CHEERING FOR
JON IN 2014

JON MONTGOMERY

2010 Olympic Gold Medalist – Skeleton

2008 World Championship Silver Medalist



BrettYoungTM

BrettYoungTM is a trademark of BrettYoung Seeds Limited. Elite® is a registered trademark of La Coop fédérée. Always follow grain marketing and all other stewardship practices and pesticide label directions. Details of these requirements can be found in the Trait Stewardship Responsibilities Notice to Farmers printed in this publication. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not glyphosate tolerant. Genuity®, Genuity and Design®, Genuity Icons, Roundup®, Roundup Ready®, and Roundup Ready 2 Yield® are trademarks of Monsanto Technology LLC used under license. 13028 10.13

4.4 C or day temperatures below 10 C, and that growth decreases above 30 C. Daily CHUs are calculated on a regional basis, usually represented by seasonal accumulations described on a risk basis (e.g. a map region with a 25 per cent risk basis means the accumulated CHU is expected to be lower than depicted in one out of four years).

When looking at CHU ratings for varieties and hybrids, it is important to note there are no agreed-upon standards or third-party scientific processes for their establishment. Companies typically base their ratings on check comparisons and a variety's genetic history. Grain corn hybrids may have several CHU ratings assigned, depending on the region in Canada and the company may occasionally revise ratings. Manitoba CHU ratings for corn hybrids are typically 150 to 200 less than Ontario. Unlike corn,

looking at varieties with a 2400 rating or less. Using company CHU ratings and variety data from MASC, it was examined whether farmers are doing just that — planting corn and soybean varieties that line up with the heat unit rating for their region.

From the MASC database, it is noted there has been more diversity for both soybean varieties and grain corn hybrids grown in recent years, including some with higher CHU ratings. In 2013, there were 90 grain corn hybrids ranging from 2050 to 2600 CHU. The top 10 corn hybrids represented 80 per cent of the seeded acres. For soybeans, there were approximately 125 different varieties seeded in 2013, ranging from 2300 to 2750 CHU, with the top 10 soybean varieties representing 65 per cent of the total seeded acres.

The general trend for soybeans is towards lower CHU-rated varieties in all regions of the province. Figure 2 is a chart illustrating how the weighted average soybean CHU rating for varieties grown in Manitoba has declined since 2004. Soybean breeding programs have focused on higher-yielding, earlier-maturing varieties, which is evident in the varietal selection.

The average CHU rating for grain corn has remained within a very narrow range over the past decade, with an average provincial CHU

rating of approximately 2200 CHU. MASC records demonstrate that as the acres of extreme CHU-rated varieties has diminished, over time more acres of moderate CHU-rated varieties have been grown. Figure 3 is a chart showing the increase in acreage of moderate CHU varieties of grain corn in MASC's Grain Corn Area 1 (Altona area) since 2004.

While varieties with higher CHU ratings have been grown in Manitoba, most farmers in fact do consider maturity and heat unit ratings in their decision-making processes, growing appropriate varieties in most cases. Choosing the right variety can not only result in higher yields and profits, but can also lead to lower crop losses (and, in turn, a stronger insurance program with lower premiums).

Choosing the right variety can not only result in higher yields and profits, but can also lead to lower crop losses (and, in turn, a stronger insurance program with lower premiums).

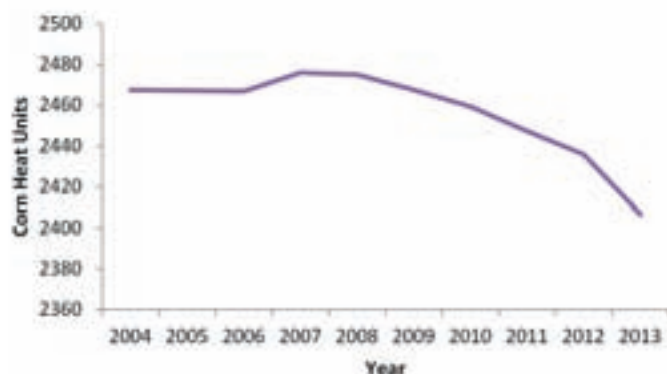
soybean varieties typically only have one CHU rating set across Canada. This can be problematic as well, since the ratings were likely developed outside of Manitoba conditions. This lack of standardization means that farmers have to be diligent in sourcing out information, and should consider multiple tools and sources for a variety's maturity data.

Pushing the boundaries?

Do farmers push the boundaries, or are they picking varieties suitable for their areas?

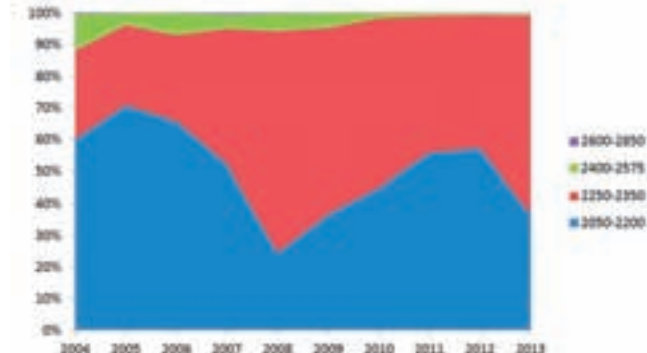
Farmers should utilize CHU maps (e.g. Figure 1), or other similar systems, as a tool to ensure they are growing appropriate varieties. For instance, Carman is a 2400 CHU area at 25 per cent risk, and farmers should be

Figure 2: Weighted average soybean CHU rating from 2004-2013



Source: MASC database, Seed Manitoba and various company sources for CHU ratings

Figure 3: Relative acres of grain corn by CHU ratings in MASC's Grain Corn Area 1 from 2004-2013



Source: MASC database, Seed Manitoba, Manitoba Corn Committee and various company sources for CHU ratings



SeCan

Canada's Seed Partner

You can have your oats and eat them too!

If you're thinking about planting oats in 2014, grow what's in demand without giving up yield.

NEW



AC® Stride



- ✓ white hulled milling oat
- ✓ yield 107% of AC Leggett*
- ✓ medium height, very strong straw
- ✓ currently under milling evaluation
- ✓ R to crown rust

Developed by Agriculture & Agri-Food Canada, Winnipeg

NEW



CDC Big Brown



- ✓ brown hulled milling oat
- ✓ yield 105% of AC Leggett*
- ✓ large plump kernel
- ✓ R to crown rust
- ✓ on approved milling list for Richardson Milling Ltd

Developed by Crop Development Centre, University of Saskatchewan

Genes that fit *your* farm.®
800-665-7333

www.secan.com



*Based on Coop trials
Genes that fit *your* farm® is a registered trademark of SeCan



Seasonal variability makes every year a new chapter in the weather story

by Mike Wroblewski, weather specialist, MAFRD Crops Knowledge Center

Seasonal variability continues to be a common story for producers in southern Manitoba. In 2013, a long winter with lots of snow stood in stark contrast to what producers experienced the year previously.

If we look back to March of 2012, air temperatures were reaching the mid-teens in most regions, and producers were looking at snow-free fields. In contrast, many regions in 2013 began April with over half a metre of snow still on the ground, with lows in the -20 C range. With the possibility of flooding in the forecast for spring, a delay in seeding seemed imminent. Conditions became favourable soon after with strong winds, sunny skies and dry air masses which allowed a substantial portion of our snow cover to sublimate its moisture back into the atmosphere. Other factors in April such as minimal precipitation, daytime maximum air temps around 2 C to 4 C with minimums in the -5 C to -10 C prevented any risk of a fast melt. By the middle of May, for most regions, the thermometer remained above 0 C and fields were snow free with sufficient moisture to begin the 2013 growing season.

With some south-central and southeastern regions experiencing relatively dry conditions the last couple of seasons, the second half of May brought weekly storms to close out the month, well above normal in terms of precipitation (e.g. stations in Somerset, Manitou, Winkler and Morden recorded above 200 per cent of normal by end of May). Temperatures cooled for the first half of June, which was followed by some warming along with a few consecutive and severe thunderstorms in the extreme southwest of the province.

Within a six-day period in Reston, over 250 mm (10 inches) fell, concluding with close to 100 mm during the super-time hour June 25. As can be seen on the seasonal summary map for precipitation, this event provided the majority of the precipitation for the entire growing season. A cooling trend settled in from the middle of July through the middle of August with maximum temperatures rarely above 25 C with below-normal, intermittent rain to most areas.

The second half of August saw daily maximum temperatures return to the lower

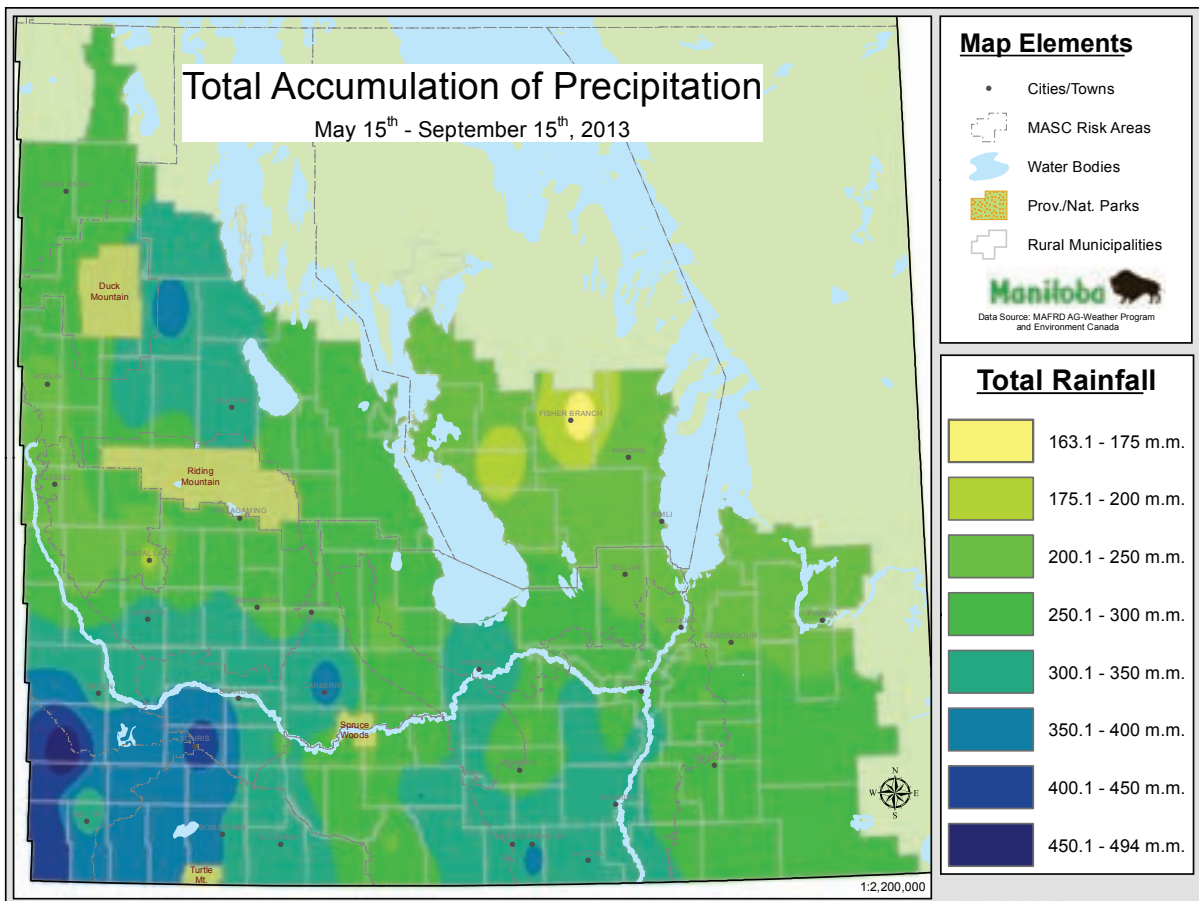
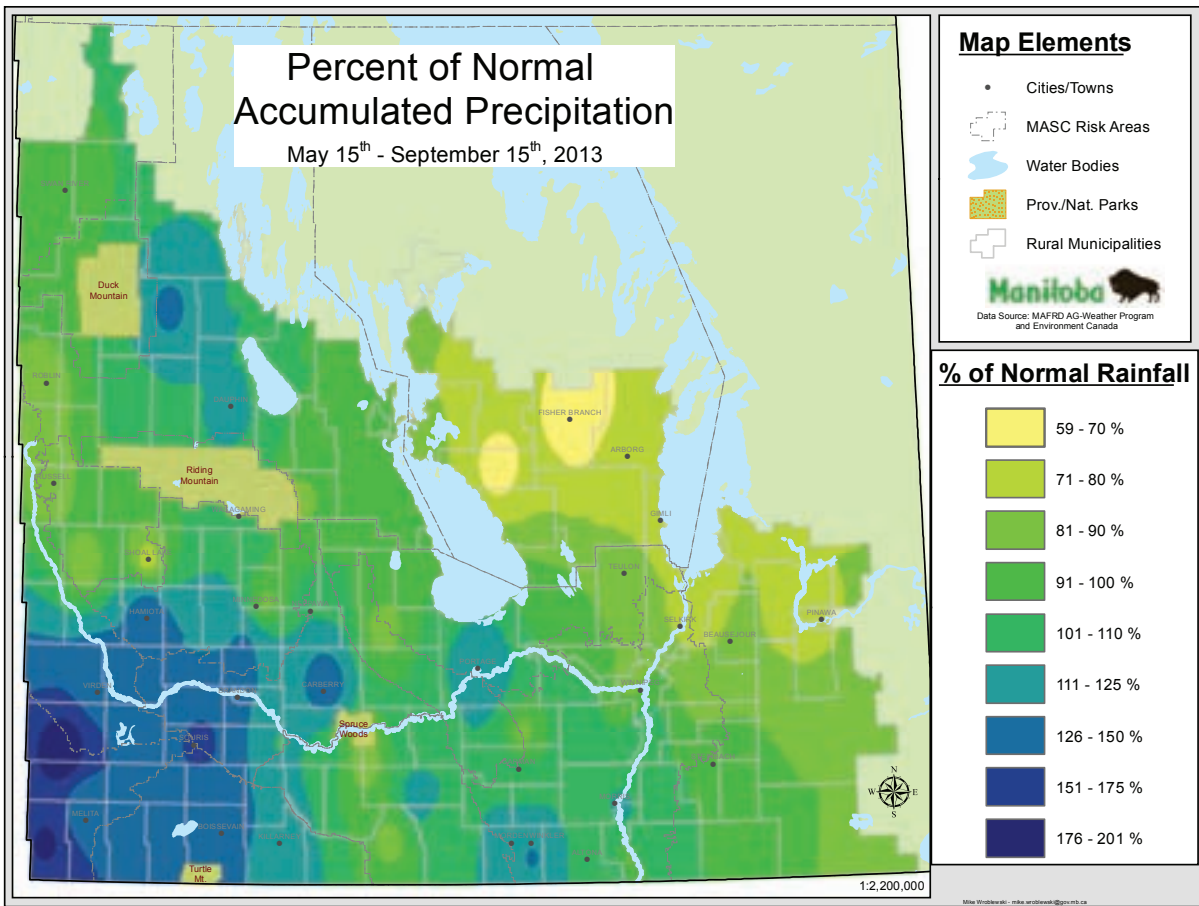
30s C along with relative dry conditions through to the first week of September. Although our convective weather season was more evident than the past couple of years, for most regions, August and early September precipitation amounts were below normal. Favourable conditions continued through September until the third week when isolated areas started to record below-zero temperature minimums. There were no widespread reports of frost until Sept. 25, which was right on time in terms of normal.

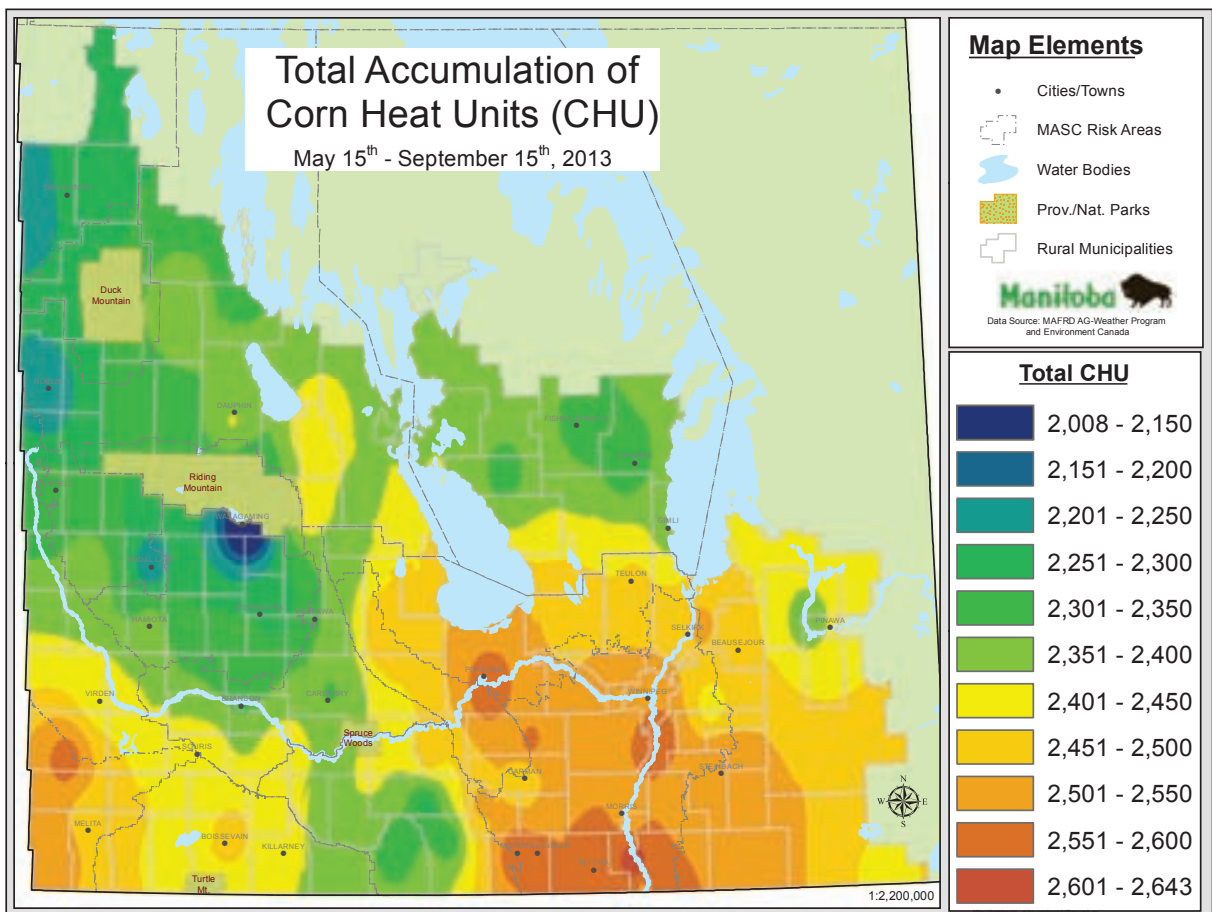
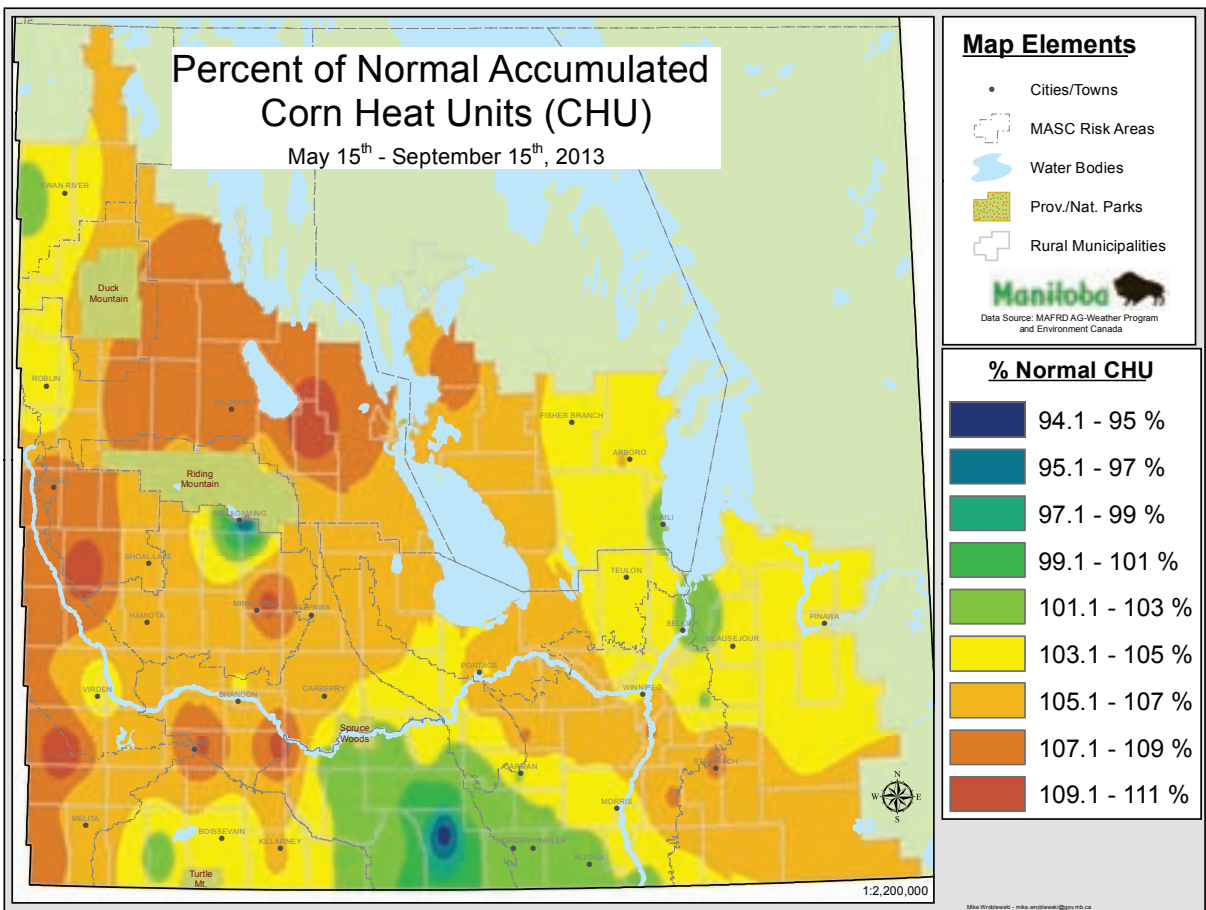
Included are the seasonal summary maps for precipitation and degree days for the period of May 15 through

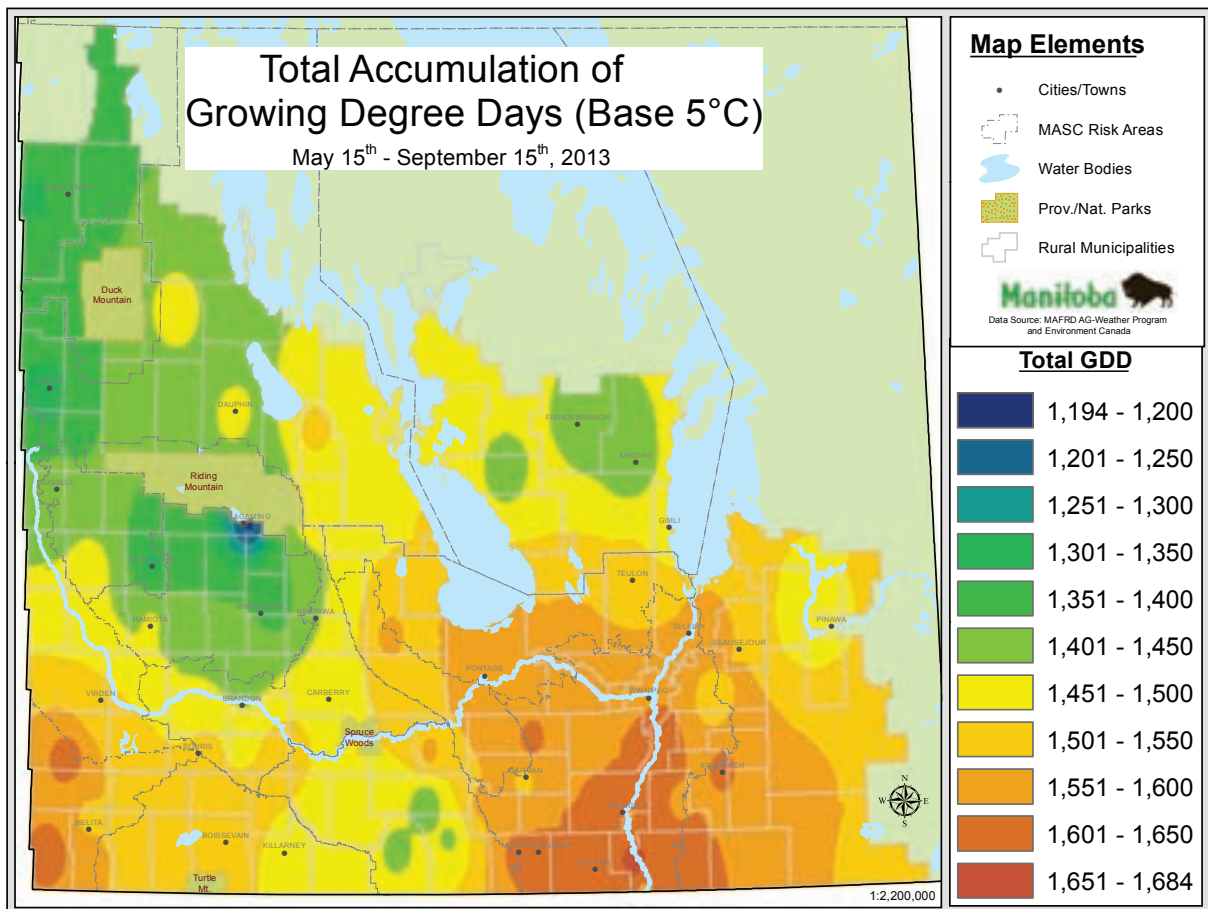
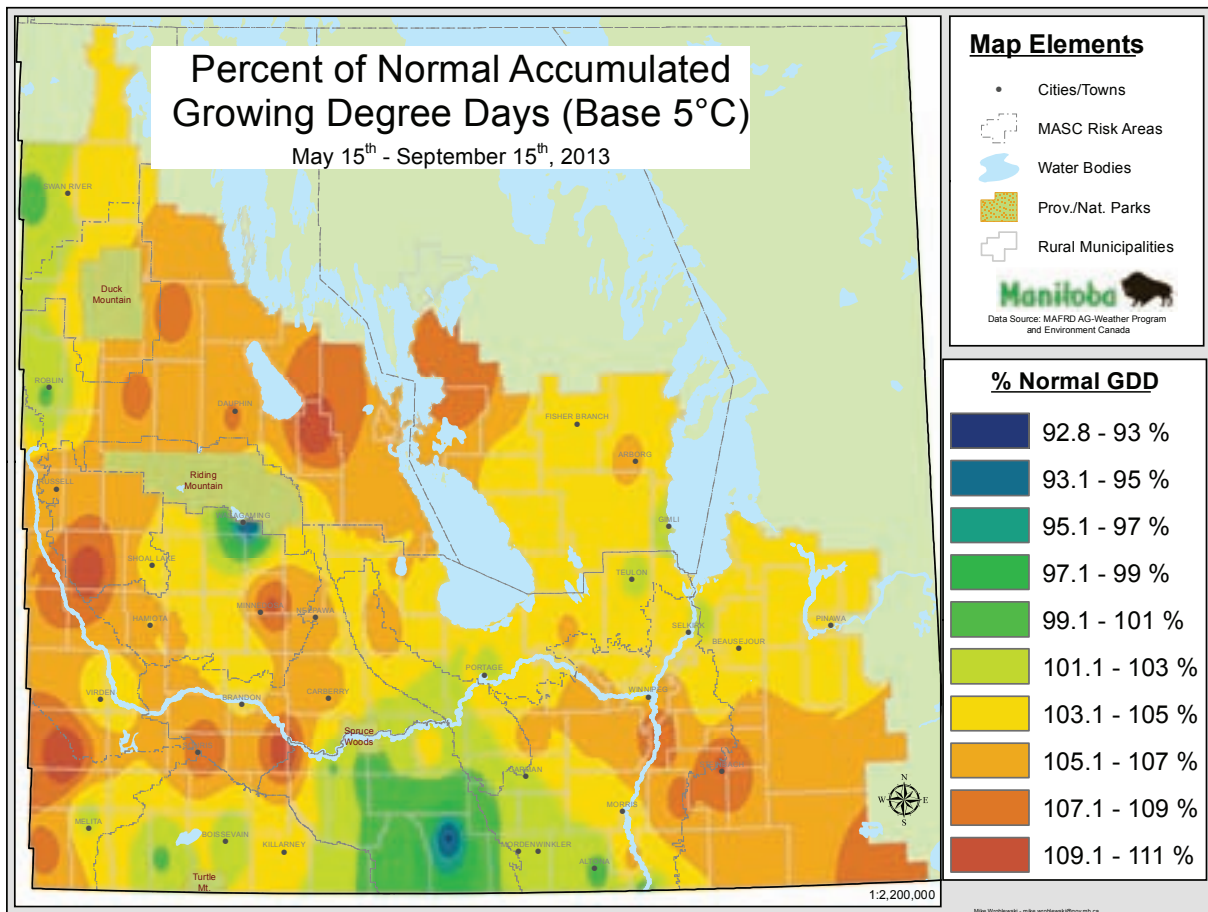
In 2013, a long winter with lots of snow stood in stark contrast to what producers experienced the year previously.

September 2013. After this period an additional 25 to 50 mm of precipitation was received in the central, Interlake and eastern regions, with 50 to 100 mm deposited in the southwest and northwest prior to freeze-up.

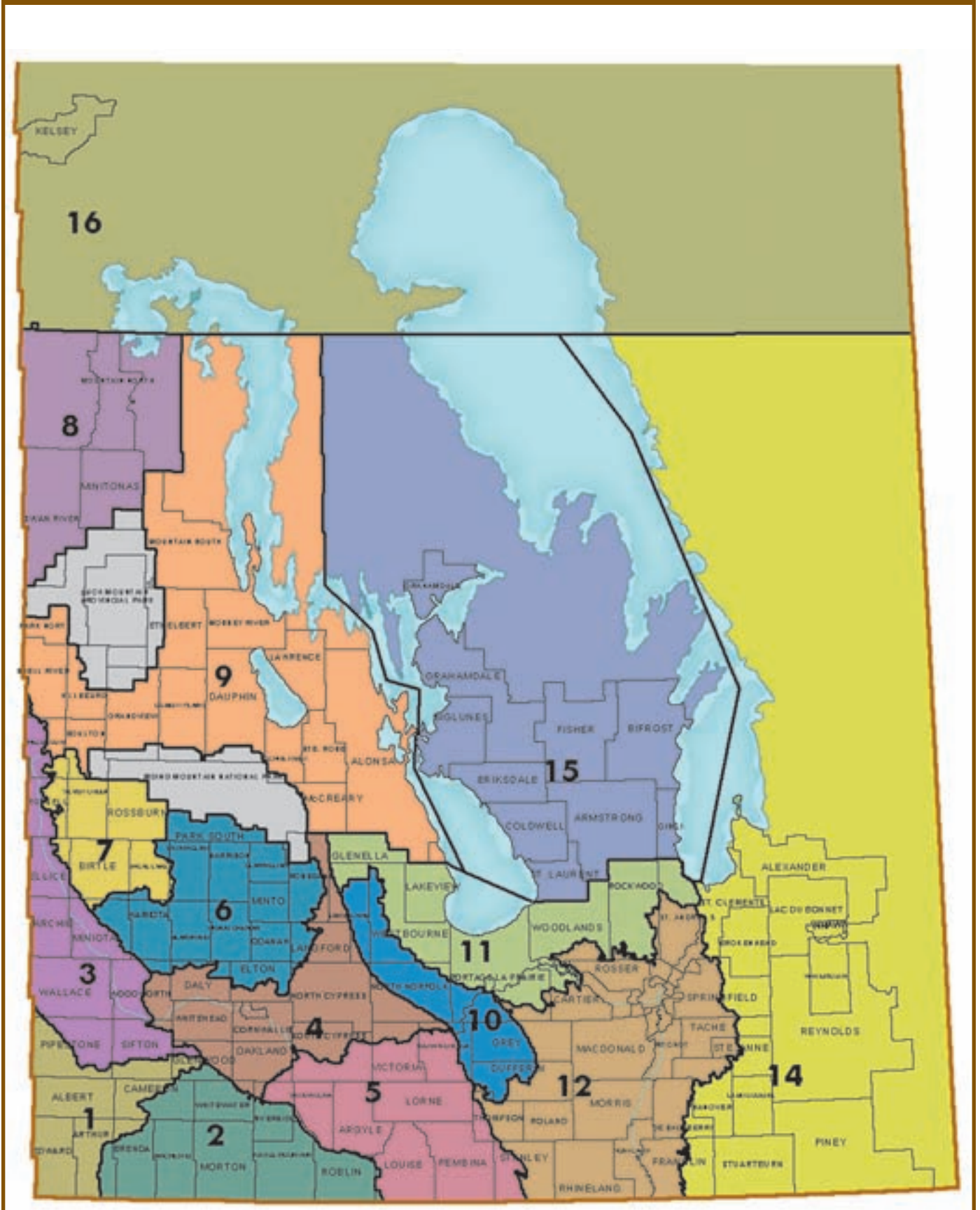
A very cold December in southern Manitoba has everyone remembering winters past and with our first warming break in early January before heading into another inevitable cold period, the rest of the winter is forecasted to be much the same. For southern Manitoba, Canadian models are indicating colder and drier than normal through March, with the Americans forecasting similar temperatures but normal precipitation. Regardless of the eventual weather conditions that prevail for the upcoming 2014 growing season, producers have grown accustomed to dealing with extremes which inevitably affect some of our regions in any given year. There is a good possibility of having another "Reston" event during the 2014 growing season. Let's just hope it's not anywhere near Reston or Pipestone!







RISK AREAS



MANITOBA

WHEAT YIELDS BY VARIETY 2009–2013† MANITOBA

Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CARBERRY (RS)	—	43	42	53	293,876	62	820,892
GLENN (RS)	55	41	39	51	401,898	61	427,286
CDC FALCON (W)	64	65	60	70	391,636	69	352,064
HARVEST (RS)	57	47	44	46	394,386	66	343,930
KANE (RS)	53	41	37	48	312,007	58	164,147
WR 859 CL (RS)	52	43	38	53	90,466	64	134,326
AC DOMAIN (RS)	49	39	38	42	151,904	56	105,380
CDC STANLEY (RS)	—	—	—	49	9,470	60	102,271
CDC UTMOST (RS)	—	—	48	47	30,745	62	69,805
PASTEUR (GP) (F)	—	—	52	57	13,620	79	62,991
AC BARRIE (RS)	50	37	35	45	122,593	56	53,610
CDC GO (RS)	60	48	42	55	60,656	63	52,211
MUCHMORE (RS)	—	42	49	50	12,849	71	44,936
5604HR CL (RS)	—	—	—	43	11,715	56	44,414
FALLER (F)	—	39	42	66	12,896	79	40,955
5603 HR (RS)	—	45	39	43	72,396	51	26,771
CDC BUTEO (W)	54	58	45	56	103,695	50	26,517
5602HR (RS)	49	37	39	42	56,411	51	21,362
UNITY VB (RS)	58	45	41	46	38,134	55	19,557
AC WASKADA (RS)	56	39	31	40	28,613	54	19,162
VESPER VB (RS)	—	—	—	50	1,787	62	17,033
FLOURISH (W)	—	—	—	75	780	72	13,969
CARDALE (RS)	—	—	—	69	585	73	12,897
MCKENZIE (RS)	50	39	28	41	30,358	54	12,187
SNOWSTAR (HWS)	58	48	38	52	17,259	63	11,256
MCCLINTOCK (W)	56	52	43	58	17,560	58	8,166
BROADVIEW (W)	—	—	—	62	2,603	67	7,681
JENNA (F)	—	—	—	74	1,610	87	7,454
AC INTREPID (RS)	50	39	38	40	13,757	50	6,872
AC ANDREW (F)	60	42	44	49	3,818	65	6,519
SUPERB (RS)	51	37	33	38	7,195	59	5,612
CDC TEAL (RS)	45	45	37	36	6,222	48	5,195
GOODEVE (RS)	57	42	42	44	12,753	65	5,095
AC SPLENDOR (RS)	52	39	46	39	6,391	55	4,983
WFT 409 (F)	—	39	38	43	3,658	66	4,671
ACCIPITER (W)	—	—	47	55	7,500	52	4,344
CDC VR MORRIS (RS)	—	—	—	—	—	67	4,100
CDC IMAGINE (RS)	48	39	34	42	4,490	55	3,602
INFINITY (RS)	52	45	44	40	6,097	51	3,520
ALVENA (RS)	53	40	40	46	2,934	62	3,209
AC CADILLAC (RS)	42	30	38	29	6,074	29	3,152
CDC ABOUND (RS)	56	38	39	43	4,895	57	3,112
5601HR (RS)	46	34	35	46	4,829	64	2,768
SADASH (F)	—	44	—	63	2,365	85	2,731
AC CORA (RS)	48	38	26	38	4,666	37	2,679
SNOWBIRD (HWS)	47	38	—	49	14,397	43	2,677
CDC PTARMIGAN (W)	64	77	69	69	22,658	52	2,643
WHITEHAWK (HWS)	—	—	—	—	—	60	2,140
PROSPER (F)	—	—	—	—	—	85	2,060
SY985 (PS)	—	—	—	—	—	38	1,993
BRIGGS (F)	63	41	39	45	1,312	61	1,949
CDC KERNEN (RS)	—	—	—	—	—	57	1,587
FIELDSTAR VB (RS)	—	49	39	49	3,680	65	1,372
AC VISTA (PS)	43	27	37	52	1,288	66	1,330
SUNRISE (W)	—	—	—	66	7,562	49	1,302
SOMERSET (RS)	49	43	29	35	1,685	52	1,270
BARLOW (F)	—	—	—	—	—	73	1,268
PEREGRINE (W)	—	—	33	61	8,546	36	1,169
CDC KESTREL (W)	—	67	46	50	1,923	55	1,096
SY433 (RS)	—	—	—	—	—	46	1,050
CDC ALSASK (RS)	50	34	39	51	3,165	55	1,048
AAC ICEBERG (HWS)	—	—	—	—	—	71	831
EMERSON (W)	—	—	—	—	—	67	628
5400IP (RS)	49	40	38	—	—	83	595
AAC BRANDON (RS)	—	—	—	—	—	69	511
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§					62.7	3,139,932	

CANOLA YIELDS BY VARIETY 2009–2013†

Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
5440 (LT)	46	34	30	27	596,528	46	511,838
INVIGOR L130 (LT)	—	—	30	28	419,032	45	428,375
1012RR (RT)	—	—	30	30	242,717	41	380,940
INVIGOR L150 (LT)	—	—	32	27	873,387	44	258,807
73-75 RR (RT)	—	—	30	28	124,079	42	189,856

CANOLA YIELDS BY VARIETY 2009–2013†

Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
INVIGOR L154 (LT)	—	—	—	32	38,068	49	120,924
L156H (LT)	—	—	—	—	—	44	115,930
INVIGOR L159 (LT)	—	—	—	25	18,807	42	101,331
VT500 (RT)	—	—	26	25	91,605	37	99,115
45H29 (RT)	—	34	28	29	105,350	43	90,082
INVIGOR L120 (LT)	—	—	—	26	39,719	42	76,523
2012CL (ST)	—	—	24	26	122,400	39	76,034
6060RR (RT)	—	—	28	27	37,197	40	48,823
VR 9560 CL (ST)	—	—	—	28	27,134	43	46,293
CANTERRA 1990 (RT)	—	—	—	27	12,040	45	40,273
VICTORY V2045 (RT)	—	—	—	26	767	41	38,271
46H75 (ST)	—	—	—	30	19,749	43	34,745
45H31 (RT)	—	—	—	27	23,929	42	34,714
73-45RR (RT)	—	34	28	26	75,634	40	32,371
74-44BL (RT)	—	—	—	26	1,750	40	29,908
1145 (LT)	—	33	30	28	62,549	47	25,288
PIONEER 45S54 RR (RT)	—	—	—	26	882	41	24,928
VICTORY V12-1 (RT)	—	—	—	25	5,954	40	23,967
D3153 (RT)	—	—	—	27	13,457	41	21,920
2016 CL	—	—	—	32	5,972	36	19,369
PIONEER 45S52 (RT)	—	—	26	25	24,100	37	16,271
CANTERRA 1970 (RT)	—	—	27	28	27,706	43	14,877
CANTERRA 1918 (RT)	—	—	22	22	5,615	36	11,739
VR 9559 G (RT)	—	—	—	26	9,657	40	11,399
72-65 (RT)	41	32	25	24	29,216	40	10,801
DEKALB 74-44 BL (RT)	—	—	—	—	—	38	9,952
5525 CL (ST)	—	28	24	29	7,342	41	9,679
1016 (RT)	—	—	—	28	1,668	39	9,139
45H73 (ST)	42	31	28	29	7,874	33	8,527
45H28 (RT)	43	32	23	25	3,227	37	7,346
73-55RR (RT)	—	33	27	29	11,516	40	5,184
9557S (RT)	—	33	26	34	3,154	41	5,176
46A76 (ST)	31	15	16	18	3,904	24	5,137
DEKALB 75-45 (RT)	—	—	—	23	3,376	41	4,297
94H04 (RT)	—	—	30	21	5,057	38	4,050
CANTERRA 1950 (RT)	—	28	22	24	2,503	34	3,669
PIONEER 45S53 (RT)	—	—	—	23	4,514	41	3,042
5030 (LT)	45	32	27	27	42,582	43	2,867
1014RR (RT)	—	—	26	29	33,771	43	2,795
PIONEER 46S53 (RT)	—	—	—	26	6,687	44	2,772
NX4 105 RR	44	33	25	26	7,801	28	2,730
43E02 (RT)	—	—	—	—	—	34	2,644
45H75 (CL)	—	—	—	—	—	47	2,625
6040RR (RT)	—	34	31	25	4,451	34	2,247
997RR (RT)	38	23	19	13	3,500	24	2,218
45H76 (ST)	—	—	—	29	2,953	41	2,142
6050 RR (RT)	—	—	—	—	—	42	2,124
9553 (RT)	40	32	24	27	6,582	48	2,086
VICTORY 1010RR (RT)	—	—	—	19	1,326	39	2,012
VT REMARKABLE	—	30	19	26	2,580	36	2,010
5770 (LT)	—	36	29	26	86,531	49	1,935
D3154S (RT)	—	—	—	33	691	42	1,822
5535CL (ST)	—	—	19	27	3,333	26	1,704
CNX01	—	—	—	—	—	41	1,497
73-65RR (RT)	—	33	31	21	11,316	33	1,493
CANTERRA 1999 (RT)	—	—	—	—	—	35	1,446
1818 (RT)	38	27	19	25	7,488	27	1,384
NEXERA NX4-106RR (RT)	35	32	28	24	4,083	37	1,382
SW WIZZARD	39	9	2	30	1,138	17	1,330
NX4 101 RR	42	42	25	27	1,516	41	1,197
9550 (RT)	39	30	29	—	—	45	1,147
NEX 500	—	—	—	27	1,237	40	1,050
6130RR (RT)	—	19	—	15	1,251	37	907
73-77RR (RT)	—	—	—	—	—	44	878
45A54 (RT)	—	—	—	—	—	28	876
VT 520 G (RT)	—	—	—	—	—	45	860
1140 (LT)	—	—	—	26	864	40	785
INVIGOR 2153 (LT)	—	—	—	—	—	47	755
45H26 (RT)	41	34	28	26	1,922	35	730
VICTORY V1040 (RT)	—	34	23	19	25,297	23	685
VT 530 G (RT)	—	—	—	—	—	48	681
PROVEN 9350 (RT)	—	—	14	—	—	44	657
46A65	—	—	—	—	—	29	656
30120-B6 CL (ST)	—	—	—	—	—	32	623
5020 (LT)	40	30	28	12	4,618	41	610
74-54 RR (RT)	—	—	—	—	—	45	586
4434 RR (RT)	—	—	—	—	—	28	515
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§					42.9	3,095,562	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

§ Weighted Average Yield and Total Acreage include acres not reported in the table.

¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;

* Assuming 48 lbs./bu.



SOYBEAN YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
24-10RY	—	—	39	37	40,288	40	120,507	
THUNDER 32004R2Y	—	—	—	37	20,696	38	92,449	
900Y61	—	—	26	35	70,922	37	81,987	
PEKKO R2 (RT)	—	—	—	36	44,477	36	71,823	
25-10RY	—	—	31	38	128,885	42	63,955	
23-10RY	—	—	—	37	7,163	35	60,923	
NSC LIBAU RR2Y	—	—	—	36	50,700	37	54,855	
LS004R21	—	—	30	36	39,725	37	47,293	
NSC RICHER RR2Y (RT)	—	—	—	38	30,966	43	40,922	
900Y71 (RT)	—	33	25	35	58,507	36	37,086	
NSC ELIE RR2Y (RT)	—	—	—	37	51,318	42	30,487	
NSC ANOLA RR2Y	—	—	—	36	9,696	38	27,594	
THUNDER 33003R2Y (RT)	—	—	—	39	1,433	37	24,442	
LS 005R22	—	—	32	36	25,386	42	23,665	
OAC PRUDENCE	29	30	21	29	27,150	34	22,201	
LS003R22	—	—	—	37	15,159	37	21,849	
PS 0027RR (RT)	—	34	30	39	8,503	39	20,984	
CHADBURN R2	—	—	28	37	12,205	37	19,132	
24-61 RY(RT)	—	—	—	41	677	42	13,227	
LS006R21	—	—	—	39	23,931	41	12,241	
NSC NIVERVILLE RR2Y	—	—	—	—	—	40	9,962	
SAMPSA R2	—	—	—	40	4,661	41	9,378	
LS 005R21	—	—	—	35	9,586	42	8,062	
LS 002R23	—	—	—	—	—	38	7,723	
NSC RESTON RR2Y	—	—	—	—	—	42	6,152	
VITO R2	—	—	—	—	—	39	4,575	
PRIDE SEEDS EXP003 R2	—	—	—	—	—	38	4,171	
HS 006RYS24	—	—	—	40	5,955	39	4,067	
NSC BALMORAL RR2Y (RT)	—	—	—	35	15,264	41	3,851	
NSC OSBORNE RR2Y (RT)	—	37	28	34	8,170	42	3,711	
90Y71	—	—	—	—	—	34	3,681	
GENTLEMAN	26	30	23	41	1,931	36	3,453	
LS 006R22	—	—	—	35	3,610	42	3,093	

SOYBEAN YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
THUNDER 33005R2Y	—	—	—	—	—	42	3,009	
90Y61 (RT)	—	—	—	—	—	39	2,992	
ASTRO R2 (RT)	—	—	—	33	827	43	2,787	
TUNDRA	—	29	—	12	1,258	21	2,621	
PS 0083 R2 (RT)	—	—	—	40	1,028	41	2,452	
90M01 (RT)	32	33	24	35	16,598	40	2,443	
900Y81	—	—	26	37	6,475	43	2,408	
BISHOP R2	—	—	—	—	—	41	2,288	
THUNDER 24004 RR (RT)	—	—	—	—	—	41	2,037	
THUNDER 23005RR (RT)	—	—	—	—	—	37	1,774	
LS 0045RR (RT)	39	41	—	40	1,037	36	1,773	
THUNDER 29002RR (RT)	—	—	22	35	1,378	30	1,731	
90Y01	—	—	—	—	—	41	1,661	
PRO 2525R2R	—	—	—	36	1,400	43	1,523	
90A06 (RT)	26	27	21	33	1,003	36	1,305	
LS 0036RR (RT)	26	29	28	36	1,993	29	1,286	
S00-B7	—	—	—	—	—	38	1,092	
NSC MOOSOMIN RR2Y	—	—	—	—	—	35	1,077	
S00-T9 (RT)	—	—	—	—	—	42	1,064	
THUNDER 27003RR (RT)	—	—	—	44	712	32	1,038	
24-60RY (RT)	—	—	29	—	—	45	1,021	
HS 006R37 (RT)	—	—	—	—	—	41	1,008	
MCLEOD R2	—	—	—	—	—	41	995	
LS 007R22	—	—	—	—	—	44	969	
NSC WARREN RR (RT)	26	27	21	37	1,367	30	765	
25-04R (RT)	33	36	28	44	831	43	738	
NSC TILSTON RR2Y	—	—	—	—	—	47	735	
MKZ612A2	—	—	—	—	—	40	723	
NSC EXP 1209N R2	—	—	—	—	—	45	720	
CURRIE R2	—	—	38	—	—	47	678	
THUNDER 2505RR (RT)	—	—	—	30	595	45	602	
OAC ERIN	42	35	36	38	548	42	549	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							38.3 1,035,664	

BARLEY* YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CONLON	76	56	42	62	113,071	82	119,933	
NEWDALE	78	57	36	54	56,176	83	51,255	
CELEBRATION	—	64	51	71	39,854	86	49,480	
CDC AUSTENSON	—	—	50	63	11,840	102	31,473	
CHAMPION	90	60	46	59	40,245	91	27,391	
TRADITION	74	47	35	54	37,056	84	25,367	
AC METCALFE	70	50	32	42	37,439	73	21,948	
CDC COPELAND	74	45	23	45	21,850	77	13,421	
STELLAR-ND	68	51	38	55	21,228	73	13,071	
BENTLEY	—	55	53	42	6,784	77	12,347	
CDC MEREDITH	—	—	—	49	9,773	89	11,186	
CDC COWBOY	68	46	34	31	11,925	63	8,477	
LEGACY	77	56	33	53	14,007	77	7,885	
ROBUST	66	49	44	41	8,525	75	5,373	
CDC MINDON	79	37	38	48	5,984	78	4,223	
MAJOR	—	—	—	45	568	87	3,847	
LACEY	72	54	42	51	8,143	82	3,350	
DESPERADO	—	21	—	57	1,929	63	2,494	
CDC COALITION	104	74	47	55	3,417	93	2,427	
CDC YORKTON	67	50	47	37	3,046	71	2,416	
CDC TREY	65	51	36	45	7,135	70	2,050	
XENA	71	37	—	68	1,273	116	1,947	
SUNDRE	78	39	26	37	1,622	59	1,149	
AC RANGER	63	65	52	51	4,158	95	1,083	
EXCEL	67	32	—	45	735	57	856	
CONQUEST	59	—	—	—	—	59	851	
CDC BATTLEFORD	66	25	—	40	679	61	641	
CDC STRATUS	66	33	15	30	2,246	80	531	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							82.7 436,521	

OATS YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SOURIS	120	93	74	93	123,759	115	118,005	
SUMMIT	—	97	61	96	46,222	123	41,692	
FURLONG	103	79	66	84	64,006	108	36,512	
PINNACLE	99	80	66	72	46,019	97	30,518	
LEGGETT	103	71	67	70	39,739	89	25,173	
TRIACTOR	124	108	84	92	47,120	116	23,215	
RONALD	101	80	76	88	28,411	119	17,484	

Taking care of the world's most important business.

Steinbach Credit Union

Expertise, Experience and Trust!

scu.mb.ca
1 800 728.6440

Steinbach:
305 Main

Winnipeg:
2100 McGillivray
1575 Lagimodiere




† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
 * Assuming 48 lbs./bu.



What's the **BIG** **HAIRY** **DEAL?**



Dual inoculation for even **bigger** yields

Supercharge your soybean crop for maximum yields, especially in new ground, with **TagTeam®** and **Optimize®**. Two products, one bin busting team. **TagTeam** promotes root hair growth, increasing sites for nodulation, and **Optimize** starts the nodulation process earlier.

The result? Your soybean crop gets nitrogen earlier, for a longer period which ultimately drives yields. **And that's the big hairy deal.**

Working together for even better yields

TagTeam®
MultiAction® Legume Fertility

AND

Optimize®
LCO Promoter Technology®



WinThisBin.ca

For more information on how to increase your yields,
visit useTagTeam.ca and useOptimize.ca

Novozymes is the world leader in bioinnovation. Together with customers across a broad array of industries we create tomorrow's industrial biosolutions, improving our customers' business and the use of our planet's resources. Read more at www.novozymes.com.

Contest is open to commercially active farmers in Western Canada (namely the provinces of Manitoba, Saskatchewan, Alberta and the Peace River region of British Columbia). Full contest details at WinThisBin.ca.

© TagTeam, MultiAction, Optimize and LCO Promoter Technology are registered trademarks of Novozymes A/S. All rights reserved. Meridian Trademarks used with permission. 13018 09.13

OATS YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013 Acres	2013‡
CDC DANCER	106	83	58	74	7,971	95	6,927	
TRIPLE CROWN	90	77	75	64	6,759	85	5,830	
AC ASSINIBOIA	90	55	64	63	9,130	79	4,891	
AC MORGAN	—	89	85	81	3,409	110	4,360	
JORDAN	108	63	50	69	3,866	77	3,076	
ROBERT	70	28	29	54	1,812	67	2,906	
GEHL (HULLESS)	61	62	30	53	923	56	2,851	
DERBY	81	68	74	57	719	77	1,471	
RIEL	97	47	46	96	3,627	91	1,217	
STRIDE	—	—	—	—	—	128	878	
CDC SO-I	—	—	—	53	917	81	859	
AC PRAIRINESS	70	45	47	—	—	94	801	
DUMONT	54	48	33	50	1,644	34	609	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							107.3	342,970

CORN YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013 Acres	2013‡
PIONEER 39D95 (RT)	37	107	96	123	63,310	135	67,271	
PIONEER 39D97 (BT)(LT)(RT)	37	120	100	130	42,816	149	50,980	
PIONEER P7443R (RR)	—	—	91	122	41,631	132	47,101	
PIONEER 39V05 (RT)	—	—	122	138	11,812	151	25,024	
DEKALB DKC26-28RIB (RT)	—	—	—	—	—	133	16,521	
PIONEER P7213R (RT)	47	93	83	102	16,810	106	14,389	
DEKALB DKC30-07 (RT)	—	—	—	—	—	154	7,332	
DEKALB DKC 27-54	—	—	—	122	7,297	134	6,482	
PIONEER 39V07 (BT)(LT)(RT)	—	—	120	128	878	158	6,446	
PIONEER 39Z69 (BT)(RT)	57	124	101	127	7,465	142	4,064	
HYLAND 3093 (RT)	—	—	—	—	—	129	3,836	
PIONEER 39B94 (BT)(LT)(RT)	52	118	96	121	6,438	132	3,682	
DEKALB DKC 27-55 (LT)(RT)	—	—	—	—	—	129	3,602	
LEGEND LR9975R (RT)	—	127	87	120	3,099	130	3,469	
MAIZEX MZ 1261BR (BT)(RT)	—	—	—	111	1,671	125	3,207	

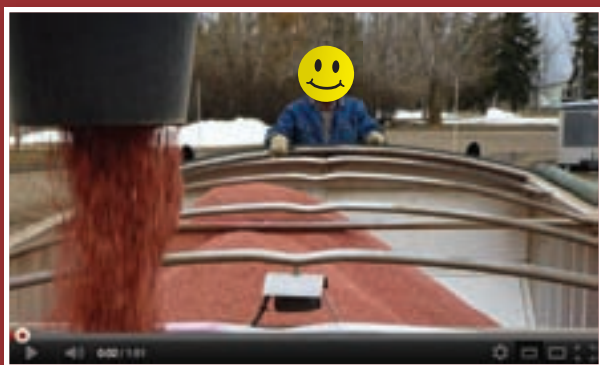
CORN YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013 Acres	2013‡
PRIDE A4176 (BT)(RT)	40	103	76	111	2,012	122	3,112	
P7632HR (BT)(RT)	—	—	—	—	—	142	2,984	
DEKALB DKC26-79(RT)	59	104	100	114	22,153	131	2,971	
PRIDE A4023 (BT)(RT)	—	—	—	125	702	118	2,909	
PRIDE A4240RR	—	—	72	105	3,504	112	2,495	
A4631G2 RIB (RT)	—	—	—	—	—	135	2,325	
DEKALB DKC 30-23	—	—	113	142	2,145	155	2,182	
DEKALB DKC26-25 (RT)	—	—	—	120	1,816	129	1,854	
HYLAND HL 3085 (RT)	—	—	—	114	1,354	121	1,730	
DEKALB DKC26-78 (RT)	54	93	82	109	4,442	127	1,493	
LR 9074 RB	—	—	98	—	—	129	918	
HYLAND HL B18R (BT)(RT)	—	—	114	110	737	136	696	
SYNGENTA N04F-GT (RT)	—	—	—	—	—	144	650	
4093 (BT) (LT)(RT)	—	—	—	—	—	134	588	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							136.3	301,354

DRY BEAN YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013 Acres	2013‡
WINDBREAKER (PINTO)	1,819	1,653	2,068	1,989	41,361	2,293	30,801	
T9905 (WHITE PEA)	—	2,046	2,194	2,002	10,256	2,213	12,078	
ECLIPSE (BLACK)	1,647	1,541	1,859	1,881	11,406	1,986	8,481	
ENVOY (WHITE PEA)	1,486	1,327	2,057	1,764	16,766	2,310	8,338	
PINK PANTHER (KIDNEY)	1,854	1,424	1,592	1,444	6,606	1,993	6,426	
T9903 (WHITE PEA)	1,770	1,563	1,706	1,777	9,634	2,083	4,710	
PINK FLOYD (OTHER)	—	—	—	—	—	2,099	2,889	
ROG 312 (OTHER)	1,131	—	—	—	—	2,551	1,704	
CDC SOL (OTHER)	—	—	—	—	—	2,220	1,620	
CARGO (WHITE PEA)	1,459	1,362	1,532	1,784	6,042	1,982	1,474	
MAVERICK (PINTO)	1,528	1,343	1,737	1,964	2,763	2,200	1,114	
WHITE MOUNTAIN (PINTO)	—	—	—	—	—	1,407	898	
CLOUSEAU (KIDNEY)	—	—	—	—	—	2,427	740	
BERYL (OTHER)	1,861	—	—	—	—	2,886	688	
CDC JET (BLACK)	1,565	1,442	1,755	1,241	1,901	1,321	603	
SEQUOIA (PINTO)	—	—	—	1,735	1,074	2,231	582	
PORTAGE (WHITE PEA)	—	—	—	—	—	2,399	562	
ETNA (CRANBERRY)	—	1,032	1,739	1,475	731	1,036	529	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							2166.3	90,771

FLAX YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013 Acres	2013‡
CDC BETHUNE	27	18	14	16	40,645	28	25,134	
CDC SORREL	27	18	15	14	34,214	29	15,977	
LIGHTNING	30	22	21	16	11,744	32	7,323	
HANLEY	25	17	14	14	12,679	31	6,591	
PRAIRIE THUNDER	28	19	11	21	4,401	19	3,083	
OMEGA	26	24	20	20	2,070	38	2,559	
AC EMERSON	29	15	14	7	1,056	21	2,385	
NULIN VT 50	—	21	13	18	5,007	31	1,682	
PRAIRIE SAPPHIRE	—	—	—	—	—	27	1,630	
TAURUS	27	17	16	19	5,173	27	987	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							28.3	72,560

SUNFLOWER YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013 Acres	2013‡
SEEDS2000 6946 DMR (C)	—	1,184	1,321	2,284	6,755	2,227	12,502	
P63ME70 (O)	—	—	—	—	—	2,679	10,068	
SEEDS2000 6946 (C)	1,526	1,151	1,552	2,101	11,890	1,819	7,347	
PIONEER 63N82 (O)	—	1,347	1,254	1,925	12,757	2,048	6,263	
8N270CLDM (O)	—	—	1,693	1,956	6,512	2,075	5,251	
SEEDS2000 JAGUAR (ST)(C)	1,464	1,091	1,653	2,229	9,116	1,351	4,931	
SEEDS2000 JAGUAR DMR (C)1,111	—	—	1,656	—	—	2,127	4,440	
CHS RH 400CL (CL) (C)	—	948	1,224	2,061	6,009	1,482	3,699	
SEEDS2000 FALCON (O)	—	—	—	1,700	2,939	1,905	1,908	
RH400CL (C)	—	—	—	—	—	1,724	1,775	
MYCOGEN SF270 (O)	1,102	1,735	—	2,293	1,780	1,387	1,456	
MYCOGEN 8N270 (MO) (O)	1,841	1,193	1,565	2,013	2,470	2,132	912	
SEEDS2000 6950 (C)	—	—	1,702	1,997	1,048	1,834	867	
DAHLGREN D-9530 (C)	—	1,087	—	2,317	908	2,745	818	
SEEDS2000 PANTHER (C)	1,184	1,076	—	2,399	4,184	2,260	720	
COBALT II (CL) (O)	—	—	—	—	—	1,953	620	
SEEDS2000 DEFENDER PLUS (O)1,299	1,299	1,270	961	1,594	4,215	1,750	565	
3495 NS/CL/DM (O)	—	—	—	2,068	2,107	1,400	562	
COBRA NS (O)	—	—	1,210	1,922	4,950	2,438	528	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							2047.4	69,097

THIS GUY JUST picked up
44MT of perfectly treated
wheat in **38 minutes!**



Search “G40 Seed Treater”
on **YouTube** and see for yourself.

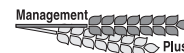
www.seedtreating.com

Brian Ellis
Phone: 403-556-2846
Fax: 403-556-6604
gseed@telusplanet.net



† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
§ Weighted Average Yield and Total Acreage include acres not reported in the table.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
* Assuming 48 lbs./bu.



FIELD PEA YIELDS BY VARIETY 2009–2013†							MANITOBA	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC MEADOW	52	34	28	40	22,068	47	20,524	
AGASSIZ	48	38	35	44	8,936	57	8,038	
CDC STRIKER	50	31	20	38	3,042	42	3,322	
CDC PATRICK	—	—	—	38	1,344	43	2,694	
4010	37	22	21	20	2,095	27	2,137	
LIVIOLETTA	44	24	27	35	1,662	37	1,603	
CDC GOLDEN	49	31	24	39	2,621	49	1,176	
CROMA	67	51	—	48	880	59	1,038	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							46.8	44,627

RISK AREA 1

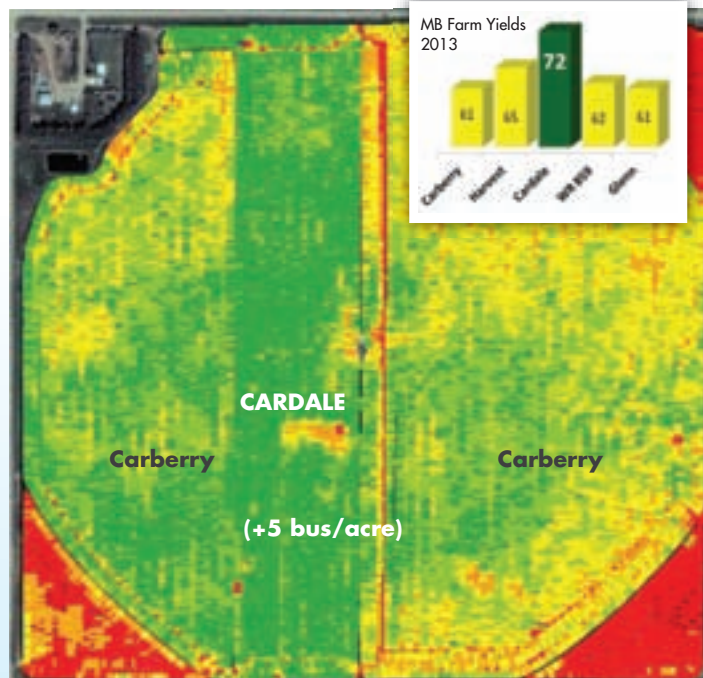
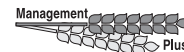
WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CARBERRY (RS)	—	—	—	37	5,343	41	41,423	
GLENN (RS)	51	31	19	42	21,251	35	19,054	
CDC FALCON (W)	46	51	28	56	14,369	43	8,836	
CDC STANLEY (RS)	—	—	—	—	—	43	7,266	
CDC GO (RS)	54	33	17	42	4,634	42	6,211	
5604HR CL (RS)	—	—	—	—	—	35	5,437	
CDC BUTEO (W)	48	53	34	59	14,254	37	4,025	
MCCLINTOCK (W)	50	51	38	52	5,381	52	3,948	
KANE (RS)	46	33	20	35	12,138	43	3,564	
5603 HR (RS)	—	—	—	37	7,230	27	3,391	
WR 859 CL (RS)	—	23	—	37	2,090	39	2,496	
AC CADILLAC (RS)	40	33	—	32	3,470	27	2,308	
5602HR (RS)	49	37	—	36	11,903	32	2,003	
PASTEUR (GP) (F)	—	—	—	—	—	36	1,902	
AC WASKADA (RS)	—	25	25	37	3,711	52	1,563	
AC BARRIE (RS)	43	39	—	35	4,340	21	1,341	
PEREGRINE (W)	—	—	42	58	6,047	37	1,144	
MCKENZIE (RS)	46	33	19	35	7,461	41	1,034	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
§ Weighted Average Yield and Total Acreage include acres not reported in the table.
‡ For additional characteristic codes, see the key at the end of the Risk Area tables.

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
HARVEST (RS)	52	32	—	36	1,771	54	885	
BROADVIEW (W)	—	—	—	—	—	24	678	
WFT 409 (F)	—	—	—	—	—	42	544	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							39.3	123,393

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
5440 (LT)	41	29	16	27	15,599	30	12,583	
INVIGOR L130 (LT)	—	—	16	27	13,292	28	12,076	
1012RR (RT)	—	—	—	28	7,693	27	9,841	
INVIGOR L159 (LT)	—	—	—	—	—	26	8,742	
L156H (LT)	—	—	—	—	—	35	7,577	
INVIGOR L150 (LT)	—	—	15	24	31,683	28	7,025	
6060RR (RT)	—	—	—	24	3,096	27	6,128	
73-75 RR (RT)	—	—	—	25	4,904	31	5,689	
VT500 (RT)	—	—	—	28	3,033	22	5,422	
VICTORY V12-1 (RT)	—	—	—	—	—	37	5,156	
45H29 (RT)	—	34	14	27	4,190	32	3,361	
74-44BL (RT)	—	—	—	—	—	24	3,360	
INVIGOR L120 (LT)	—	—	—	—	—	25	2,756	
45H31 (RT)	—	—	—	—	—	26	1,895	
2012CL (ST)	—	—	—	25	5,159	21	1,725	
46H75 (ST)	—	—	—	—	—	16	1,648	
VR 9560 CL (ST)	—	—	—	23	1,900	31	1,606	
INVIGOR L154 (LT)	—	—	—	25	530	31	1,267	
73-55RR (RT)	—	—	—	25	1,045	37	983	
73-45RR (RT)	—	—	—	24	5,859	25	957	
6040RR (RT)	—	24	—	23	1,525	31	886	
2016 CL	—	—	—	—	—	16	790	
CANTERRA 1970 (RT)	—	—	—	—	—	18	770	
PIONEER 45S54 RR (RT)	—	—	—	—	—	14	604	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							27.8	108,084

† On system as of January 7, 2014;
* Assuming 48 lbs./bu.



This is Will Van Rossel's Cardale vs Carberry results with this year's actual MB farm experience on the graph.

The current market situation is very difficult. We very much appreciate your business! Whatever variety you choose, please consider investing in certified seed.

John M. Smith
(204) 825-2000

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

- ✓ More Protein
- ✓ Great Disease Package
- ✓ Easier harvest with Less Straw
- ✓ Less Fusarium

Working hard to earn your trust!

Agassiz Seed Farm Ltd.	745-2868	Nickel Bros.	773-6734
Avondale Seed Farm Ltd.	877-3813	Parent Bros. Inc.	737-3000
Boisvein Select Seeds	534-6846	Pitura Seed Service Ltd.	736-2849
Catellier Seeds	347-5588	Pugh Seeds Ltd.	274-2179
Clearview Acres Ltd.	748-2666	David Hamblin	746-4779
Court Seeds	386-2354	Redsper Enterprises	328-5346
Dauphin Plains Seeds Ltd.	638-7800	Riddel Seed Co	227-5679
David Kohut Ltd.	483-3063	RJP Seeds	745-3304
Durand Seeds Inc.	745-7577	Rutherford Farms Ltd.	467-5613
Ellis Farm Supplies Ltd.	824-2290	Bob Wiens	736-2951
Ens Quality Seeds	325-4658	Seine River Seed	355-4495
Fisher Seeds Ltd.	622-8800	Sierens Seed Service	744-2883
Friesen Seeds Ltd.	746-8325	Smith Seeds	873-2248
Gagnon Seed Service	447-2118	Southern Seeds Ltd	776-2333
Gerrard Family Seeds	759-2213	Swan Valley Seeds	734-2526
HB Agri Seed	523-7464	T&S Seeds	548-2117
Hulme Agri Products Inc.	685-2627	Timchishen Seeds	376-5116
Inland Seed Corp.	683-2316	Triple "S" Seeds Ltd.	546-2590
J.S. Henry & Sons Ltd.	566-2422	Unger Seed Farm Ltd.	467-8630
Jeffries Seed Service	827-2102	Westman Aerial Spray	763-8998
Keating Seed Farms	773-3854	Wheat City Seeds	727-3337
Kletke Seed Farms	886-2822	Wilson Seeds Ltd.	246-2388
L&L Farms	324-5798	Zeghers Seed Farm	526-2145
MB Seeds	746-4652		
Miller Agritec	267-2363		

seeddepot.ca

Runs in the family.

Scott and Ron Tibble,
SWAN RIVER, MB.



BayerCropScience.ca/InVigor or 1 888-283-6847 or contact your Bayer CropScience representative.

Always read and follow label directions. InVigor® is a registered trademark of the Bayer Group. Bayer CropScience is a member of CropLife Canada.



InVigor®

There's no stronger tie than the family who works together on the same land. For them, farming's a tradition.

And although each new generation has their own ideas, there are some things they will be reluctant to change, the things that have consistently performed for them, the things that aren't broken.

InVigor® – proud to be part of your family farm for over 17 years.



Bayer CropScience

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PEKKO R2 (RT)	—	—	—	28	2,024	29	3,948	
NSC LIBAU RR2Y	—	—	—	28	803	27	2,964	
23-10RY	—	—	—	—	—	28	1,277	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							25.6	13,592

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC COPELAND	76	39	16	41	5,256	63	3,856	
CELEBRATION	—	—	—	56	2,671	59	3,826	
TRADITION	64	33	—	46	3,925	46	2,618	
BENTLEY	—	—	—	41	557	49	2,083	
STELLAR-ND	—	40	—	45	921	49	1,720	
CHAMPION	—	41	—	45	2,329	61	1,406	
NEWDALE	70	—	—	50	1,176	40	983	
CDC COWBOY	66	38	—	35	635	38	703	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							53.7	18,404

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PINNACLE	89	71	42	77	7,799	66	5,931	
LEGGETT	89	74	77	58	5,458	65	3,168	
SOURIS	—	—	—	81	1,900	97	2,891	
TRIACTOR	—	—	—	54	2,824	64	1,571	
SUMMIT	—	—	—	—	—	113	948	
JORDAN	—	84	—	76	596	88	507	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							71.5	16,576

CORN YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER P7213R (RT)	—	—	—	92	743	90	3,659	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							88.2	6,881

FLAX YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC BETHUNE	26	12	—	11	5,144	22	2,600	
AC EMERSON	—	—	—	—	—	20	1,307	
CDC SORREL	24	15	—	12	521	18	1,157	
TAURUS	25	16	—	—	—	27	533	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							21.0	6,844

SUNFLOWER YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SEEDS2000 JAGUAR (ST) (C)	1,660	1,193	—	2,059	2,949	1,321	2,956	
MYCOGEN SF270 (O)	—	—	—	—	—	1,385	1,436	
SEEDS2000 6946 (C)	1,653	1,182	—	1,519	1,907	906	1,026	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							1343.3	7,970

FIELD PEA YIELDS BY VARIETY 2009–2013†							RISK AREA 1	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC MEADOW	—	33	—	43	1,473	18	2,248	
CDC STRIKER	31	23	—	—	—	18	817	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							21.2	3,581

RISK AREA 2

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 2	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CARBERRY (RS)	—	—	33	51	35,710	60	88,699	
HARVEST (RS)	61	48	31	49	69,110	64	52,828	
GLENN (RS)	62	43	30	52	33,074	60	39,907	
CDC GO (RS)	60	49	35	54	25,799	61	31,490	
WR 859 CL (RS)	—	57	32	49	10,129	61	16,977	
KANE (RS)	57	44	27	43	25,357	53	16,344	
CDC STANLEY (RS)	—	—	—	40	1,168	60	10,999	
MUCHMORE (RS)	—	—	40	54	2,012	67	9,142	
PASTEUR (GP) (F)	—	—	—	52	4,130	71	6,486	
MCKENZIE (RS)	54	44	30	43	13,045	53	6,239	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 2	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
VESPER VB (RS)	—	—	—	45	715	59	5,230	
5602HR (RS)	54	42	30	42	9,355	51	4,089	
5604HR CL (RS)	—	—	—	39	2,230	55	3,443	
SNOWSTAR (HWS)	60	53	28	53	4,576	69	2,876	
UNITY VB (RS)	—	48	37	47	6,162	62	2,827	
AC WASKADA (RS)	59	42	23	40	4,069	51	2,284	
FALLER (F)	—	—	—	—	—	73	2,082	
AC BARRIE (RS)	59	47	30	46	14,269	57	1,935	
CDC FALCON (W)	71	66	54	65	30,236	54	1,841	
CDC UTMOST (RS)	—	—	—	38	664	57	1,824	
5603 HR (RS)	—	50	31	43	12,056	53	1,569	
SNOWBIRD (HWS)	43	43	—	—	—	36	1,317	
SUNRISE (W)	—	—	—	67	6,248	48	821	
CDC VR MORRIS (RS)	—	—	—	—	—	61	787	
AC CORA (RS)	48	32	21	29	1,513	25	610	
CDC BUTEO (W)	56	65	41	59	11,857	50	605	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							60.3	317,623

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 2	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
5440 (LT)	48	39	22	31	72,707	44	65,696	
INVIGOR L130 (LT)	—	—	26	31	53,482	43	65,088	
73-75 RR (RT)	—	—	—	30	22,657	41	35,550	
1012RR (RT)	—	—	—	31	18,675	37	26,017	
VT500 (RT)	—	—	21	28	15,824	38	23,177	
INVIGOR L150 (LT)	—	—	27	28	109,783	42	12,974	
6060RR (RT)	—	—	—	34	2,617	44	12,404	
INVIGOR L154 (LT)	—	—	—	34	5,815	46	11,861	
L156H (LT)	—	—	—	—	—	40	11,345	
45H29 (RT)	—	37	23	32	5,915	40	11,011	
INVIGOR L120 (LT)	—	—	—	32	1,077	40	9,778	
INVIGOR L159 (LT)	—	—	—	30	1,068	44	8,317	
2012CL (ST)	—	—	—	27	15,936	36	7,879	
73-45RR (RT)	—	—	19	29	7,961	43	5,463	
CANTERRA 1990 (RT)	—	—	—	29	609	44	5,372	
74-44BL (RT)	—	—	—	—	—	41	5,069	
45H31 (RT)	—	—	—	35	1,294	42	4,639	
VR 9560 CL (ST)	—	—	—	28	5,549	42	3,420	
1145 (LT)	—	37	—	24	9,504	38	3,059	
VR 9559 G (RT)	—	—	—	22	1,093	36	2,292	
PIONEER 45S52 (RT)	—	—	13	29	3,285	26	2,287	
PIONEER 45S54 RR (RT)	—	—	—	—	—	39	2,165	
46H75 (ST)	—	—	—	—	—	45	1,899	
45H28 (RT)	44	31	12	25	1,724	34	1,167	
CANTERRA 1918 (RT)	—	—	—	—	—	38	1,080	
6040RR (RT)	—	—	—	26	528	40	723	
9557S (RT)	—	32	—	—	—	49	704	
2016 CL	—	—	—	28	665	33	615	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							41.3	352,391

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 2	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
23-10RY	—	—	—	—	—	36	7,424	
PEKKO R2 (RT)	—	—	—	37	2,387	39	6,628	
THUNDER 32004R2Y	—	—	—	42	1,126	43	3,908	
NSC LIBAU RR2Y	—	—	—	38	1,262	36	3,897	
900Y61	—	—	—	30	2,368	38	2,445	
NSC ANOLA RR2Y	—	—	—	41	1,583	41	1,964	
LS004R21	—	—	—	32	1,295	39	1,645	
THUNDER 33003R2Y (RT)	—	—	—	—	—	35	1,469	
900Y71 (RT)	—	—	—	28	548	37	676	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							38.4	32,525

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 2	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CELEBRATION	—	—	40	70	4,877	87	8,469	
CONLON	80	78	60	71	6,525	89	7,546	
CHAMPION	—	75	40	73	4,927	95	4,919	
NEWDALE	90	67	29	50	9,999	71	4,828	
TRADITION	82	57	29	56	7,052	95	3,983	
CDC AUSTENSON	—	—	—	69	842	104	2,831	
LEGACY	94	57	—	62	1,795	76	1,891	
CDC COPELAND	88	58	23	48	1,200	84	1,712	
STELLAR-ND	—	54	29	63	4,262	83	1,648	

‡ On system as of January 7, 2014;
 * Assuming 48 lbs./bu.



**QUALITY SEED
QUALITY SERVICE
QUALITY AGRONOMY**



Developed by Thunder Seed, Supplied by Quarry Seed Ltd. Thunder Seed top yielding corn and soybeans are some of the earliest maturities in all of western Canada. These seeds are backed by years of research, development and field testing, and the proven results for your operation are higher yields compared to other brands.

Linking today's corn and soybean producers to tomorrow's technology with top genetics in Genuity Roundup Ready 2 Yield®. ***We know it, we grow it.***



**ACT NOW TO LOCK IN YOUR GENETICALLY
SUPERIOR SOYBEAN SEEDS!**

Book Now Call: 1-888-274-9243

www.thunderseed.ca

Seed Now Pay Later

With AgriCard's
"Seed Now, Pay Later" program,
you can purchase your seed and
enjoy no payments, no interest
until November 2014*.

See your seed dealer for more information.
Visit agricard.ca for details.

*Due date dependent on seed purchase date.
Some conditions may apply. See in-store for details.

AgriCard
agricard.ca

BARLEY* YIELDS BY VARIETY 2009–2013†						RISK AREA 2	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CDC MEREDITH	—	—	—	48	1,470	92	999
BENTLEY	—	—	—	—	—	85	772
AC METCALFE	71	62	19	40	1,500	60	688
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						87.0	41,514

OATS YIELDS BY VARIETY 2009–2013†						RISK AREA 2	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
PINNACLE	128	105	73	77	14,211	113	9,874
SOURIS	135	116	80	100	3,482	117	3,441
TRIACTOR	—	—	63	—	—	104	1,429
SUMMIT	—	—	—	—	—	116	1,309
FURLONG	130	97	—	91	2,897	119	1,164
LEGGETT	101	99	90	70	3,105	106	1,062
JORDAN	97	94	70	73	1,218	101	866
STRIDE	—	—	—	—	—	106	522
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						111.0	20,860

CORN YIELDS BY VARIETY 2009–2013†						RISK AREA 2	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
DEKALB DKC26-28RIB (RT)	—	—	—	—	—	121	2,290
PIONEER P7443R (RR)	—	—	—	132	1,594	133	1,711
PIONEER P7213R (RT)	—	97	—	119	1,222	110	1,314
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						119.2	7,537

FLAX YIELDS BY VARIETY 2009–2013†						RISK AREA 2	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CDC BETHUNE	31	21	11	19	6,623	24	5,602
CDC SORREL	27	18	11	17	4,431	26	1,372
HANLEY	26	25	24	15	1,081	36	1,182
AC EMERSON	29	20	15	—	—	26	671
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						27.2	10,645

SUNFLOWER YIELDS BY VARIETY 2009–2013†						RISK AREA 2	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
SEEDS2000 6946 DMR (C)	—	—	—	2,141	1,841	1,486	2,317
SEEDS2000 6946 (C)	1,922	1,281	1,420	2,220	4,397	1,671	2,065
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						1716.5	6,485

FIELD PEA YIELDS BY VARIETY 2009–2013†						RISK AREA 2	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CDC MEADOW	58	36	—	41	4,327	46	2,018
CROMA	67	50	—	48	880	59	1,038
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						45.8	4,782

RISK AREA 3

WHEAT YIELDS BY VARIETY 2009–2013†						RISK AREA 3	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CARBERRY (RS)	—	—	—	48	6,069	55	29,708
GLENN (RS)	55	38	27	39	16,475	50	24,180
HARVEST (RS)	44	36	27	42	8,128	61	13,515
5604HR CL (RS)	—	—	—	47	1,753	57	8,494
UNITY VB (RS)	—	43	35	41	10,605	44	6,752
5603 HR (RS)	—	—	36	43	6,095	58	6,298
AC BARRIE (RS)	47	38	36	41	8,549	58	4,903
CDC STANLEY (RS)	—	—	—	—	—	55	4,700
CDC UTMOST (RS)	—	—	—	46	1,207	63	4,596
KANE (RS)	51	37	31	43	13,105	56	3,737
WR 859 CL (RS)	—	—	—	52	2,317	61	3,505
CDC BUTEO (W)	50	62	30	56	11,808	45	2,432
5602HR (RS)	47	40	—	37	7,372	45	1,845
PASTEUR (GP) (F)	—	—	—	—	—	63	1,761
SNOWSTAR (HWS)	—	—	—	—	—	59	1,602
AC WASKADA (RS)	—	40	28	30	2,526	45	1,499
ACCIPITER (W)	—	—	47	58	3,450	37	1,378
VESPER VB (RS)	—	—	—	—	—	66	1,105
AC ANDREW (F)	—	27	—	—	—	45	570
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						55.1	131,550

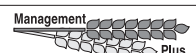
† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

§ Weighted Average Yield and Total Acreage include acres not reported in the table.

¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;

* Assuming 48 lbs./bu.



**If your fungicide doesn't
maximize plant health at flag leaf,
that's a red flag.**

Twinline®
Fungicide

Every crop has its moment to shine. For cereals it's at the flag-leaf stage, where up to 65% of the crop's yield potential is determined. That's where Twinline® fungicide comes in. It controls key diseases in wheat like septoria leaf spot, tan spot and rust at this critical stage. And Twinline goes beyond protecting plant health by actually boosting it with the unique benefits* of **AgCelence®**—greener leaves and stronger stems resulting in higher yield potential**. Find out how a healthier flag leaf can lead to a banner year at harvest time. Visit agsolutions.ca/twinline or call **AgSolutions®** Customer Care at 1-877-371-BASF (2273).

 **BASF**
The Chemical Company

*AgCelence benefits refer to products that contain the active ingredient pyraclostrobin. **All comparisons are to untreated, unless otherwise stated.

Always read and follow label directions.

AgSolutions is a registered trade-mark of BASF Corporation; AgCelence, and TWINLINE are registered trade-marks of BASF SE, all used with permission by BASF Canada Inc. TWINLINE should be used in a preventative disease control program. © 2014 BASF Canada Inc.

CANOLA YIELDS BY VARIETY 2009–2013†						RISK AREA 3	
Variety†	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013† Acres
1012RR (RT)	—	—	23	26	16,271	39	23,336
5440 (LT)	44	34	23	23	18,743	39	17,607
INVIGOR L130 (LT)	—	—	20	26	9,319	40	14,864
INVIGOR L150 (LT)	—	—	22	24	37,943	41	8,107
45H29 (RT)	—	35	23	25	10,508	42	7,966
INVIGOR L159 (LT)	—	—	—	25	2,739	37	7,956
73-75 RR (RT)	—	—	—	23	6,350	39	4,958
6060RR (RT)	—	—	28	24	4,278	34	4,534
45H31 (RT)	—	—	—	28	1,314	39	3,708
46H75 (ST)	—	—	—	22	1,077	39	3,482
INVIGOR L120 (LT)	—	—	—	24	2,315	35	3,363
VR 9560 CL (ST)	—	—	—	28	974	32	3,261
INVIGOR L154 (LT)	—	—	—	25	682	45	2,963
VICTORY V12-1 (RT)	—	—	—	—	—	46	2,754
PIONEER 45S54 RR (RT)	—	—	—	—	—	41	2,733
VT500 (RT)	—	—	21	26	2,875	35	2,591
2012CL (ST)	—	—	11	22	9,085	39	2,422
2016 CL	—	—	—	—	—	30	2,314
PIONEER 45S52 (RT)	—	—	—	18	2,218	38	2,118
L156H (LT)	—	—	—	—	—	39	1,801
VICTORY V2045 (RT)	—	—	—	—	—	32	1,646
74-44BL (RT)	—	—	—	—	—	33	1,628
5525 CL (ST)	—	17	—	—	—	35	1,451
45H28 (RT)	42	34	27	—	—	38	1,450
CANTERRA 1918 (RT)	—	—	—	—	—	36	1,279
73-45RR (RT)	—	—	20	25	2,961	37	1,251
VR 9559 G (RT)	—	—	—	28	1,702	39	1,143
VT REMARKABLE	—	27	—	25	1,345	30	868
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						38.6	139,884



Harvest Your Potential

Virtually eliminate defects and salvage high-value grain. Imagine being able to deliver a consistent product to customers, every time.

You're no longer limited to simply sorting seed by size or shape. With the CF-Series Color Sorter, you can scan grain based on pre-set characteristics, such as color, and separate unwanted seeds from high value grain, delivering huge returns for your operation. Imagine a field with several grain types, and at harvest, being able to sort them with incredible ease and accuracy. It's now possible with our family of color sorters.



Oakville Manitoba | 1-204-955-5901 | Intelseed.ca

SOYBEAN YIELDS BY VARIETY 2009–2013†						RISK AREA 3	
Variety†	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013† Acres
THUNDER 32004R2Y	—	—	—	33	895	24	1,757
THUNDER 33003R2Y (RT)	—	—	—	—	—	28	1,256
PEKKO R2 (RT)	—	—	—	—	—	13	759
NSC LIBAU RR2Y	—	—	—	—	—	22	728
900V61	—	—	—	—	—	23	548
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						23.5	6,487

BARLEY* YIELDS BY VARIETY 2009–2013†						RISK AREA 3	
Variety†	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013† Acres
CONLON	64	38	32	41	2,251	72	5,563
NEWDAL	64	52	25	49	1,732	79	4,431
BENTLEY	—	—	—	—	—	74	3,002
AC METCALFE	66	47	22	38	5,274	70	2,849
CDC AUSTENSON	—	—	—	—	—	94	2,764
CHAMPION	—	68	—	45	4,123	66	2,467
CDC COPELAND	68	47	22	43	3,319	71	1,344
CDC MEREDITH	—	—	—	48	1,210	61	1,006
CDC COWBOY	62	38	21	28	2,371	58	994
SUNDRE	73	35	—	34	1,126	58	601
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						72.7	28,641

OATS YIELDS BY VARIETY 2009–2013†						RISK AREA 3	
Variety†	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013† Acres
SOURIS	95	99	49	66	2,728	103	3,933
TRIACOR	—	—	72	49	1,856	89	2,915
PINNACLE	64	72	—	47	3,319	69	2,123
LEGGETT	86	86	26	46	1,083	80	1,741
RONALD	47	—	—	42	682	104	1,634
AC MORGAN	—	—	—	79	864	111	973
CDC DANCER	52	61	44	42	859	86	848
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						88.6	17,445

CORN YIELDS BY VARIETY 2009–2013†						RISK AREA 3	
Variety†	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013† Acres
PIONEER P7213R (RT)	—	—	—	—	—	91	852
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						96.1	1,947

FLAX YIELDS BY VARIETY 2009–2013†						RISK AREA 3	
Variety†	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013† Acres
PRAIRIE THUNDER	32	21	—	18	1,395	14	2,149
CDC SORREL	22	15	—	11	1,567	27	1,905
CDC BETHUNE	28	16	15	13	2,027	20	1,310
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						22.9	6,401

FIELD PEA YIELDS BY VARIETY 2009–2013†						RISK AREA 3	
Variety†	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013† Acres
CDC MEADOW	48	30	25	32	1,381	45	2,115
AGASSIZ	—	40	19	40	887	48	885
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						43.5	4,784

RISK AREA 4

WHEAT YIELDS BY VARIETY 2009–2013†						RISK AREA 4	
Variety†	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013† Acres
CARBERRY (RS)	—	—	—	49	21,062	59	51,410
GLENN (RS)	56	46	40	49	28,451	60	33,108
KANE (RS)	52	42	38	38	22,814	55	19,378
HARVEST (RS)	56	51	41	46	22,003	68	17,459
CDC STANLEY (RS)	—	—	—	—	—	59	12,856
WR 859 CL (RS)	—	34	37	47	4,643	62	9,838
MUCHMORE (RS)	—	—	—	—	—	73	8,667
AC DOMAIN (RS)	52	49	41	39	7,764	57	7,824
AC BARRIE (RS)	49	41	41	36	11,106	58	6,688
CDC FALCON (W)	68	70	60	63	19,477	59	5,390
PASTEUR (GP) (F)	—	—	—	57	1,695	71	5,111
SNOWSTAR (HWS)	58	47	38	52	4,031	58	3,017
CDC UTMOST (RS)	—	—	—	38	929	55	2,998
CDC BUTEO (W)	50	52	51	54	8,524	58	2,930

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
 * Assuming 48 lbs./bu.

The ultimate team to supercharge your yields

■ You can never have too much of a good thing, and in the case of Novozymes *MultiAction*® TagTeam® and Optimize® you can have two good things working for you at the same time. These two products together are the ultimate team to supercharge your soybean crop for maximum yields, especially in new ground. With Optimize applied on-seed you get the advantage of the LCO Promoter Technology®, which enhances your soybeans' nutritional capabilities meaning you will get earlier and increased nodule development for better nitrogen fixation and an enhanced root system for improved nutrient and water uptake. Add TagTeam, the world's only phosphate and nitrogen inoculant, to the equation and you have the makings for extremely healthy plants and a full, rich soybean crop that will deliver incredible yield.

The advantage of using both of these products is the formulations start to work almost immediately. Seed-applied inoculants like Optimize tend to form nodules closer to where the seed is located (closer to the primary root), while in-furrow applied granular inoculants such as TagTeam form nodules on the secondary or lateral roots, ultimately allowing for wider distribution of nodules along the whole root system.

Land that has been through some rough times or has not had soybeans for a few years requires special attention when it comes to inoculation. The goal is to

supercharge the soil with a heavy load of rhizobia to ensure the best possible nodulation and soybean performance. Land with no history or many years between soybean crops and land that has been flooded or had longer periods of drought, is not conducive to rhizobia survival. It is in these soils that farmers will benefit most from the application of both Optimize and TagTeam.

Optimize® with LCO Promoter Technology®

Combining LCO Promoter Technology with the bradyrhizobia bacteria in Optimize helps to shortcut the natural process by enhancing your soybean's nutritional capabilities, helping nodulation to get off to a faster start. The roots of the soybean plant send out signals to the nitrogen-fixing bacteria in the soil, and the bradyrhizobia bacteria communicate back that they are safe to absorb. Once the plant receives this confirmation, natural growth processes such as root and shoot development are stimulated, and gateways are opened to allow bradyrhizobia bacteria to infect the root, resulting in the formation of nitrogen-fixing nodules.

Barriers to this natural process include temperature, moisture stress and high levels of nitrogen in the soil. With Optimize, the communication between the soybean root and nitrogen-fixing bacteria happens sooner, resulting in earlier nodulation and faster root development regardless of growing conditions.



Get more with *MultiAction*® TagTeam®

MultiAction TagTeam contains a naturally occurring soil fungus, *Penicillium bilaii* (*P. bilaii*), which enhances phosphate use efficiency, and a high performing, nitrogen-fixing bacteria. The synergy of the two micro-organisms provides balanced nutrition for better use of soil and fertilizer phosphate, maximum nitrogen fixation and higher yields.

One of the benefits of *P. bilaii* is the development of more root hairs. Each root hair is a potential infection point for rhizobia. More infection points mean more nodules, more nodules mean more fixed nitrogen, and more fixed nitrogen equals higher yields.

To learn how you can maximize your yields with TagTeam and Optimize call 1-888-744-5662.

What's the
**BIG
HAIRY
DEAL?**



Dual inoculation for even **bigger** yields

TagTeam® AND **Optimize®**
MultiAction® Legume Fertility LCO Promoter Technology®

For more information on how to increase your yields, visit useTagTeam.ca and useOptimize.ca

Novozymes is the world leader in bioinnovation. Together with customers across a broad array of industries we create tomorrow's industrial biosolutions, improving our customers' business and the use of our planet's resources. Read more at www.novozymes.com.



WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
AC ANDREW (F)	63	38	31	—	—	58	2,428	
5604HR CL (RS)	—	—	—	—	—	64	1,648	
AC WASKADA (RS)	—	45	34	43	4,443	54	1,384	
CDC GO (RS)	57	48	42	56	5,977	65	1,369	
UNITY VB (RS)	60	38	42	52	5,311	57	1,154	
MCKENZIE (RS)	52	34	—	47	2,353	55	1,094	
5602HR (RS)	47	36	36	38	1,607	50	1,053	
CDC VR MORRIS (RS)	—	—	—	—	—	49	810	
5603 HR (RS)	—	—	45	39	10,065	56	757	
CARDALE (RS)	—	—	—	—	—	64	514	
SUPERB (RS)	53	42	38	43	985	56	508	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							60.4	204,964

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
INVIGOR L130 (LT)	—	—	30	31	22,280	47	26,993	
5440 (LT)	48	40	30	31	48,281	47	26,064	
1012RR (RT)	—	—	23	30	18,974	41	23,236	
INVIGOR L150 (LT)	—	—	30	29	57,605	46	14,655	
73-75 RR (RT)	—	—	—	31	7,239	42	14,491	
VT500 (RT)	—	—	19	26	7,380	40	10,368	
INVIGOR L159 (LT)	—	—	—	30	612	45	9,219	
2012CL (ST)	—	—	30	32	4,900	38	9,049	
L156H (LT)	—	—	—	—	—	46	6,863	
VICTORY V2045 (RT)	—	—	—	—	—	38	6,454	
INVIGOR L154 (LT)	—	—	—	27	942	50	5,839	
45H29 (RT)	—	33	22	33	5,425	40	5,507	
45H31 (RT)	—	—	—	29	1,584	42	5,399	
INVIGOR L120 (LT)	—	—	—	30	1,115	49	4,709	
73-45RR (RT)	—	—	24	29	4,486	41	2,800	
PIONEER 45S54 RR (RT)	—	—	—	—	—	41	2,610	
CANTERRA 1970 (RT)	—	—	—	29	2,095	38	2,046	
1145 (LT)	—	43	23	31	5,135	41	1,652	
46H75 (ST)	—	—	—	—	—	46	1,620	
6060RR (RT)	—	—	24	31	1,361	43	1,536	
CANTERRA 1990 (RT)	—	—	—	—	—	48	1,517	
CANTERRA 1918 (RT)	—	—	—	—	—	34	1,392	
VR 9560 CL (ST)	—	—	—	33	1,112	40	1,139	
VICTORY V12-1 (RT)	—	—	—	—	—	42	1,115	
1016 (RT)	—	—	—	—	—	40	975	
74-44BL (RT)	—	—	—	—	—	42	959	
PIONEER 45S52 (RT)	—	—	—	26	1,756	47	919	
D3153 (RT)	—	—	—	—	—	40	810	
VR 9559 G (RT)	—	—	—	—	—	47	777	
DEKALB 74-44 BL (RT)	—	—	—	—	—	43	620	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							43.5	198,291

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
23-10RY	—	—	—	—	—	38	5,120	
THUNDER 32004R2Y	—	—	—	41	1,815	40	5,003	
PEKKO R2 (RT)	—	—	—	—	—	35	2,773	
NSC LIBAU RR2Y	—	—	—	34	1,683	36	2,291	
NSC ANOLA RR2Y	—	—	—	34	737	40	2,082	
THUNDER 33003R2Y (RT)	—	—	—	—	—	43	1,717	
900Y61	—	—	—	11	633	38	1,686	
LS004R21	—	—	—	36	2,431	37	1,434	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							38.0	25,730

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CONLON	73	68	53	56	11,058	67	12,499	
NEWDALE	80	50	32	53	10,865	75	9,056	
CHAMPION	—	—	—	48	2,741	74	3,266	
CELEBRATION	—	—	—	—	—	72	2,801	
CDC MEREDITH	—	—	—	47	2,835	90	1,896	
CDC AUSTENSON	—	—	—	66	2,184	87	1,322	
CDC COWBOY	53	56	50	20	1,150	40	1,217	
AC METCALFE	77	59	47	41	4,193	65	1,164	
LEGACY	73	61	—	58	1,629	84	804	
BENTLEY	—	—	—	43	785	58	699	
LACEY	72	53	55	49	1,724	72	653	

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
STELLAR-ND	—	—	58	51	2,442	76	580	
CDC COPELAND	64	51	—	48	1,974	83	533	
TRADITION	72	47	48	31	1,310	54	525	
SUNDRE	—	42	—	—	—	61	520	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							70.3	40,921

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SOURIS	106	109	64	63	4,869	104	5,472	
PINNACLE	66	73	75	54	1,853	83	1,229	
CDC DANCER	93	—	—	—	—	77	909	
FURLONG	75	82	69	42	1,815	92	794	
LEGGETT	89	70	66	40	2,163	102	676	
TRIACTOR	—	—	—	68	849	99	547	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							91.8	12,163

CORN YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER P7443R (RR)	—	—	—	105	3,335	120	6,945	
DEKALB DKC26-28RIB (RT)	—	—	—	—	—	134	3,564	
PIONEER P7213R (RT)	—	85	88	94	4,537	113	3,285	
PIONEER 39D95 (RT)	—	89	89	102	1,203	124	2,262	
MAIZEZ MZ 1261BR (BT)(RT)	—	—	—	—	—	126	1,162	
PRIDE A4176 (BT)(RT)	—	—	—	—	—	110	1,024	
DEKALB DKC26-78 (RT)	—	—	78	110	1,443	127	757	
DEKALB DKC26-79(RT)	90	97	100	105	5,310	128	601	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							121.7	22,996

DRY BEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
ENVOY (WHITE PEA)	—	—	—	—	—	2,509	1,410	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							2665.1	3,207

FLAX YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC BETHUNE	29	20	23	18	6,384	32	4,861	
LIGHTNING	29	26	23	17	1,475	30	1,982	
CDC SORREL	27	19	15	18	2,401	26	1,656	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							31.5	9,073

SUNFLOWER YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
P63ME70 (O)	—	—	—	—	—	2,072	1,214	
8N270CLDM (O)	—	—	—	1,477	1,388	2,141	1,023	
SEEDS2000 JAGUAR DMR (C)	—	—	—	—	—	2,357	755	
SEEDS2000 6946 DMR (C)	—	—	—	2,061	1,030	1,962	535	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							1946.8	5,086

FIELD PEA YIELDS BY VARIETY 2009–2013†							RISK AREA 4	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC MEADOW	48	31	28	40	4,043	50	2,906	
AGASSIZ	—	53	—	33	540	58	735	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							50.1	4,012

RISK AREA 5

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CARBERRY (RS)	—	—	46	50	40,133	62	115,179	
HARVEST (RS)	66	59	45	50	111,867	67	82,662	
GLENN (RS)	64	50	42	51	23,089	64	20,378	
CDC FALCON (W)	73	72	65	63	38,315	54	15,194	
KANE (RS)	61	50	39	45	38,995	59	14,216	
WR 859 CL (RS)	—	—	39	53	5,110	63	10,960	
AC DOMAIN (RS)	59	50	37	44	31,321	52	8,391	
5604HR CL (RS)	—	—	—	52	2,525	60	7,307	
PASTEUR (GP) (F)	—	—	—	58	516	74	5,054	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
§ Weighted Average Yield and Total Acreage include acres not reported in the table.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
* Assuming 48 lbs./bu.

How do you grow a 58+ bushel soybean crop in Manitoba?

*"People, Products and Service good enough to be called **LEGEND.**"*



It all starts with the SEED.....

in 2012, Darcy Miller averaged 58.5 bushels per acre on the family farm in Oakville Manitoba growing the newest variety of Legend Seeds soybeans.

The Millers have been in the pedigreed seed business for 21 years and have been growing soybeans for the past 15 years.

As a Legend Seeds grower, processor and dealer, Darcy brings the experience and expertise that delivers results.

Darcy Miller.....is a Seedsman not a Salesman.



WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
FALLER (F)	—	—	—	—	—	87	4,454	
CDC STANLEY (RS)	—	—	—	53	1,450	66	4,201	
VESPER VB (RS)	—	—	—	—	—	52	2,350	
FLOURISH (W)	—	—	—	—	—	61	2,015	
5603 HR (RS)	—	57	35	43	7,131	60	1,834	
5602HR (RS)	57	47	43	45	3,173	51	1,602	
CARDALE (RS)	—	—	—	—	—	80	1,577	
SNOWSTAR (HWS)	60	55	60	58	2,160	69	1,291	
AC BARRIE (RS)	58	45	34	43	3,999	50	1,109	
CDC ABOUND (RS)	61	52	39	51	1,175	65	970	
SNOWBIRD (HWS)	57	—	—	39	758	56	839	
MUCHMORE (RS)	—	—	—	43	1,582	78	820	
MCKENZIE (RS)	49	41	25	51	2,159	59	717	
CDC BUTEOW (W)	67	73	68	57	2,386	42	683	
CDC UTMOST (RS)	—	—	—	56	1,480	57	580	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						63.3	309,212	

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
INVIGOR L130 (LT)	—	—	35	33	48,863	50	64,792	
5440 (LT)	50	46	36	31	51,305	51	39,454	
73-75 RR (RT)	—	—	—	32	17,733	47	37,833	
1012RR (RT)	—	—	32	32	33,855	44	35,854	
INVIGOR L159 (LT)	—	—	—	30	2,352	45	17,488	
INVIGOR L120 (LT)	—	—	—	31	5,209	49	17,453	
VT500 (RT)	—	—	27	31	15,861	43	16,452	
VICTORY V2045 (RT)	—	—	—	—	—	44	15,109	
45H29 (RT)	—	48	36	33	20,385	48	14,438	
INVIGOR L150 (LT)	—	—	37	31	63,705	48	9,607	
L156H (LT)	—	—	—	—	—	51	8,777	
INVIGOR L154 (LT)	—	—	—	34	5,594	52	7,721	
VR 9560 CL (ST)	—	—	—	29	1,999	40	7,712	



ALLIANCE SEED CORPORATION





1.877.270.2890
allianceseed.com

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CANTERRA 1990 (RT)	—	—	—	30	2,062	48	7,501	
73-45RR (RT)	—	30	35	29	11,717	44	6,657	
6060RR (RT)	—	—	38	29	5,639	50	6,090	
2016 CL	—	—	—	34	3,031	44	4,318	
2012CL (ST)	—	—	27	27	8,951	41	3,983	
CANTERRA 1970 (RT)	—	—	37	32	3,138	49	3,643	
VR 9559 G (RT)	—	—	—	30	2,702	43	3,522	
74-44BL (RT)	—	—	—	—	—	48	3,457	
PIONEER 45S54 RR (RT)	—	—	—	—	—	47	2,811	
72-65 (RT)	47	41	33	26	5,550	43	2,522	
PIONEER 45S52 (RT)	—	—	31	25	5,516	44	2,396	
NX4 105 RR	44	40	30	26	1,756	35	1,787	
DEKALB 74-44 BL (RT)	—	—	—	—	—	49	1,686	
1145 (LT)	—	48	—	33	823	50	1,480	
45H31 (RT)	—	—	—	31	2,998	49	1,461	
DEKALB 75-45 (RT)	—	—	—	—	—	49	1,280	
D3153 (RT)	—	—	—	29	1,207	49	1,207	
46H75 (ST)	—	—	—	—	—	56	1,010	
VICTORY 1010RR (RT)	—	—	—	—	—	39	946	
CANTERRA 1918 (RT)	—	—	—	—	—	43	907	
73-65RR (RT)	—	—	35	27	2,473	46	808	
PIONEER 46S53 (RT)	—	—	—	30	973	45	635	
1016 (RT)	—	—	—	—	—	44	602	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						47.3	363,505	

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
23-10RY	—	—	—	—	—	35	4,361	
900Y61	—	—	—	31	3,457	39	3,361	
PEKKO R2 (RT)	—	—	—	35	1,476	41	2,213	
LS003R22	—	—	—	30	730	24	2,079	
NSC ELIE RR2Y (RT)	—	—	—	—	—	39	1,905	
LS004R21	—	—	—	35	1,653	42	1,878	
THUNDER 32004R2Y	—	—	—	—	—	33	1,839	
24-10RY	—	—	—	—	—	38	1,779	
NSC LIBAU RR2Y	—	—	—	29	1,117	35	1,374	
900Y71 (RT)	—	—	28	34	2,343	42	1,319	
NSC ANOLA RR2Y	—	—	—	—	—	37	742	
90Y61 (RT)	—	—	—	—	—	35	605	
THUNDER 23005RR (RT)	—	—	—	—	—	43	601	
LS 002R23	—	—	—	—	—	44	518	
HS 006RYS24	—	—	—	—	—	40	507	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						36.5	29,248	

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CONLON	85	77	50	64	23,832	88	26,642	
NEWDAL	91	76	51	61	7,233	91	7,941	
BENTLEY	—	—	60	48	2,032	94	3,929	
ROBUST	84	75	49	43	2,848	90	3,497	
TRADITION	84	67	54	63	3,291	94	2,991	
CDC MEREDITH	—	—	—	55	2,456	82	2,626	
CELEBRATION	—	—	—	66	1,386	86	2,599	
CDC AUSTENSON	—	—	—	—	—	99	915	
AC METCALFE	80	69	—	58	1,419	83	737	
CHAMPION	—	83	47	58	2,125	94	630	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						89.1	54,565	

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SOURIS	117	110	96	89	5,869	120	7,398	
FURLONG	108	106	85	77	7,769	117	5,380	
SUMMIT	—	—	—	—	—	110	586	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						116.2	15,636	

CORN YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER 39D95 (RT)	47	117	108	111	2,494	127	4,067	
PIONEER P7443R (RR)	—	—	—	119	1,745	122	2,829	
PIONEER P7213R (RT)	—	—	78	88	919	120	1,066	
DEKALB DKC26-28RIB (RT)	—	—	—	—	—	134	889	
PRIDE A4023 (BT) (RT)	—	—	—	—	—	128	686	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
 * Assuming 48 lbs./bu.



CORN YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER 39V05 (RT)	—	—	—	—	—	129	654	
HYLAND 3093 (RT)	—	—	—	—	—	107	546	
HYLAND HL B18R (BT)(RT)	—	—	—	—	—	137	541	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						125.6	14,753	

DRY BEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
T9905 (WHITE PEA)	—	2,233	2,216	2,004	3,424	2,366	1,754	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						2343.3	3,013	

FLAX YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC BETHUNE	28	22	19	21	2,071	32	1,831	
LIGHTNING	33	26	24	17	3,432	38	1,797	
HANLEY	29	23	21	18	1,417	26	687	
CDC SORREL	26	19	22	17	2,464	28	510	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						33.6	5,936	

SUNFLOWER YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER 63N82 (O)	—	1,486	1,257	1,770	2,845	1,929	2,891	
SEEDS2000 6946 (C)	1,418	1,396	1,843	1,881	1,060	1,967	928	
SEEDS2000 6946 DMR (C)	—	—	—	—	—	1,958	847	
8N270CLDM (O)	—	—	—	1,847	507	2,028	655	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						1949.4	8,781	

FIELD PEA YIELDS BY VARIETY 2009–2013†							RISK AREA 5	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC MEADOW	—	46	42	44	1,476	56	1,871	
AGASSIZ	—	42	53	57	752	55	765	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						58.4	3,429	

RISK AREA 6

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 6	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CARBERRY (RS)	—	—	44	56	26,649	66	78,093	
GLENN (RS)	52	44	41	52	65,584	65	71,593	
HARVEST (RS)	56	41	41	52	27,139	75	24,523	
WR 859 CL (RS)	—	48	40	53	12,674	65	21,903	
KANE (RS)	53	41	37	48	29,400	61	20,285	
CDC UTMOST (RS)	—	—	—	57	6,880	70	16,006	
CDC STANLEY (RS)	—	—	—	52	932	66	11,747	
AC DOMAIN (RS)	48	39	35	45	12,338	59	8,844	
PASTEUR (GP) (F)	—	—	—	59	1,486	79	8,683	
MUCHMORE (RS)	—	—	—	—	—	72	6,265	
5602HR (RS)	52	41	42	47	10,378	60	5,406	
CDC GO (RS)	57	47	45	59	11,433	75	3,033	
WFT 409 (F)	—	41	34	55	2,128	74	2,891	
SADASH (F)	—	—	—	66	2,084	85	2,571	
5604HR CL (RS)	—	—	—	46	998	65	2,471	
5603 HR (RS)	—	42	48	48	5,539	56	2,411	
AC BARRIE (RS)	49	39	41	40	2,999	52	2,272	
VESPER VB (RS)	—	—	—	—	—	65	2,148	
GOODEVE (RS)	—	40	34	45	2,264	61	2,021	
AC INTREPID (RS)	56	42	38	49	5,203	58	1,974	
AC ANDREW (F)	58	41	50	58	1,718	72	1,637	
UNITY VB (RS)	—	36	37	48	6,542	61	1,631	
CDC BUTEO (W)	55	57	51	55	13,638	53	1,296	
SOMERSET (RS)	48	—	30	—	—	53	1,177	
WHITEHAWK (HWS)	—	—	—	—	—	67	1,163	
CDC KERNEN (RS)	—	—	—	—	—	57	1,159	
SNOWSTAR (HWS)	58	43	38	52	4,050	78	1,060	
BRIGGS (F)	75	52	39	47	905	68	1,007	
CDC FALCON (W)	58	70	63	59	16,308	43	988	
JENNA (F)	—	—	—	—	—	103	950	
CARDALE (RS)	—	—	—	—	—	72	821	
SUPERB (RS)	54	45	37	34	1,085	60	813	
AC WASKADA (RS)	53	36	29	44	1,897	43	737	
CDC PTARMIGAN (W)	—	80	67	69	5,996	77	573	
MCKENZIE (RS)	51	43	34	41	1,050	51	532	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						66.3	316,703	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 6	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
1012RR (RT)	—	—	27	36	30,927	46	56,238	
INVIGOR L130 (LT)	—	—	28	33	36,823	50	43,089	
5440 (LT)	50	38	27	33	32,313	50	33,776	
INVIGOR L150 (LT)	—	—	30	32	80,904	49	27,287	
73-75 RR (RT)	—	—	28	32	15,383	44	24,046	
45H29 (RT)	—	37	25	33	18,339	46	17,590	
L156H (LT)	—	—	—	—	—	49	10,745	
VT500 (RT)	—	—	27	31	10,161	41	10,395	
INVIGOR L154 (LT)	—	—	—	35	1,699	52	10,350	
46H75 (ST)	—	—	—	34	5,394	45	7,944	
D3153 (RT)	—	—	—	29	2,670	42	6,981	
45H31 (RT)	—	—	—	32	4,796	48	6,440	
2012CL (ST)	—	—	18	29	9,430	44	6,263	
INVIGOR L159 (LT)	—	—	—	—	—	47	6,215	
6060RR (RT)	—	—	25	34	6,213	47	6,174	
PIONEER 45S54 RR (RT)	—	—	—	—	—	44	4,491	
CANTERRA 1990 (RT)	—	—	—	30	1,282	46	4,373	
VR 9560 CL (ST)	—	—	—	31	4,472	41	3,937	
73-45RR (RT)	—	—	26	30	13,313	41	3,730	
74-44BL (RT)	—	—	—	—	—	46	3,182	
VICTORY V12-1 (RT)	—	—	—	31	2,856	41	2,979	
INVIGOR L120 (LT)	—	—	—	31	5,581	42	2,757	
9557S (RT)	—	35	27	33	2,243	44	2,370	
46A76 (ST)	26	19	12	16	1,418	28	1,856	
CANTERRA 1970 (RT)	—	—	—	29	3,961	45	1,806	
43E02 (RT)	—	—	—	—	—	36	1,760	
VICTORY V2045 (RT)	—	—	—	—	—	37	1,694	
72-65 (RT)	42	35	26	27	3,545	45	1,502	
9553 (RT)	44	31	23	29	1,980	52	1,495	
DEKALB 74-44 BL (RT)	—	—	—	—	—	45	1,256	
94H04 (RT)	—	—	28	30	2,173	39	1,217	
1016 (RT)	—	—	—	—	—	39	1,205	
2016 CL	—	—	—	—	—	49	1,152	
45H28 (RT)	48	37	29	—	—	38	1,139	

Trusted CONLON



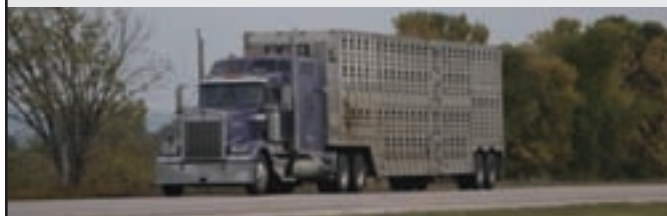
*"The bankable
high energy
barley that
get's hogs to
market faster"*



"I grew that new barley that was supposed to yield so good...sprayed it three times with fungicide. Now I have 250,000 bushels of 4% fusarium barley that we can't feed our hogs. We got a problem! We're going back to CONLON"

Harry Wipf, Souris Valley Colony.

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



The shortest road to market is down the CONLON road!

For a dealer near you seeddepot.ca

‡ On system as of January 7, 2014;
 * Assuming 48 lbs./bu.

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 6	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CANTERRA 1999 (RT)	—	—	—	—	—	36	924	
CANTERRA 1918 (RT)	—	—	—	—	—	33	870	
45H73 (ST)	48	34	20	28	638	36	846	
VR 9559 G (RT)	—	—	—	28	853	50	701	
45H75 (CL)	—	—	—	—	—	56	693	
5525 CL (ST)	—	—	—	28	991	39	542	
SW WIZZARD	—	—	—	—	—	20	509	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						46.3	330,443	

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 6	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
THUNDER 32004R2Y	—	—	—	—	—	34	1,599	
PEKKO R2 (RT)	—	—	—	—	—	31	1,338	
NSC LIBAU RR2Y	—	—	—	—	—	30	1,161	
900Y61	—	—	—	—	—	31	1,123	
23-10RY	—	—	—	—	—	34	925	
NSC ANOLA RR2Y	—	—	—	—	—	34	652	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						32.6	8,028	

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 6	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
NEWDALE	74	50	29	52	11,185	91	8,600	
AC METCALFE	71	50	38	46	11,639	76	5,995	
CONLON	85	45	47	55	4,791	94	5,287	
CDC AUSTENSON	—	—	—	63	979	103	4,859	
CELEBRATION	—	—	—	68	740	92	3,429	
CHAMPION	—	77	—	71	6,299	96	2,751	
CDC MEREDITH	—	—	—	40	775	94	2,169	
MAJOR	—	—	—	—	—	87	1,885	
STELLAR-ND	—	—	43	59	3,050	108	1,874	
CDC COWBOY	77	36	31	48	1,338	62	1,421	
CDC TREY	67	48	35	44	2,741	61	1,267	
LEGACY	81	55	32	56	2,534	74	1,009	
CDC COPELAND	77	54	—	50	2,111	100	890	
CDC COALITION	—	—	34	—	—	102	669	
BENTLEY	—	—	—	45	699	77	591	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						89.7	44,490	

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 6	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SOURIS	—	79	71	87	6,071	119	7,403	
SUMMIT	—	—	—	94	3,234	133	2,973	
CDC DANCER	118	105	68	82	2,953	97	2,338	
TRIACTOR	—	—	—	85	2,665	121	2,105	
LEGGETT	102	87	65	71	3,158	113	1,772	
TRIPLE CROWN	108	107	96	95	1,798	103	1,433	
PINNACLE	112	105	77	70	2,192	118	676	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						108.2	22,339	

FLAX YIELDS BY VARIETY 2009–2013†							RISK AREA 6	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC BETHUNE	28	20	20	21	5,401	32	3,905	
CDC SORREL	29	21	19	19	5,340	32	2,751	
LIGHTNING	29	—	—	25	1,671	29	1,933	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						31.1	9,271	

FIELD PEA YIELDS BY VARIETY 2009–2013†							RISK AREA 6	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC MEADOW	55	36	23	44	3,866	51	4,158	
AGASSIZ	—	40	—	44	739	59	1,409	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						51.9	7,010	

RISK AREA 7

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 7	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CARBERRY (RS)	—	—	49	54	11,832	70	51,072	
GLENN (RS)	55	43	41	50	22,414	66	24,473	
HARVEST (RS)	52	42	39	44	21,957	69	18,843	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 7	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
WR 859 CL (RS)	—	48	42	52	6,553	69	15,507	
CDC UTMOST (RS)	—	—	—	54	7,157	70	12,933	
UNITY VB (RS)	50	48	42	46	6,867	65	4,830	
VESPER VB (RS)	—	—	—	—	—	71	4,312	
KANE (RS)	50	44	39	46	9,248	64	3,998	
AC BARRIE (RS)	48	43	41	47	8,586	65	3,022	
AC DOMAIN (RS)	45	37	33	44	5,224	60	2,916	
GOODEVE (RS)	—	49	39	44	7,198	70	2,458	
MUCHMORE (RS)	—	—	—	—	—	69	1,870	
CARDALE (RS)	—	—	—	—	—	70	1,713	
CDC TEAL (RS)	52	51	46	49	1,538	53	1,592	
AC ANDREW (F)	58	56	62	62	704	74	1,221	
ALVENA (RS)	—	—	40	58	758	57	1,055	
5603 HR (RS)	—	—	48	47	643	54	1,023	
CDC STANLEY (RS)	—	—	—	—	—	70	843	
PASTEUR (GP) (F)	—	—	—	57	830	79	777	
AC WASKADA (RS)	—	—	—	40	1,848	61	697	
INFINITY (RS)	54	45	44	45	1,548	43	603	
SNOWSTAR (HWS)	55	52	38	38	780	62	514	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						68.0	161,289	

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 7	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
1012RR (RT)	—	—	35	32	27,183	45	42,003	
5440 (LT)	49	41	29	30	18,022	49	16,985	
INVIGOR L130 (LT)	—	—	27	31	22,258	49	16,691	
INVIGOR L150 (LT)	—	—	29	29	41,271	47	12,700	
45H29 (RT)	—	39	33	28	9,350	43	9,219	
INVIGOR L154 (LT)	—	—	—	31	2,377	50	8,349	
D3153 (RT)	—	—	—	31	3,396	41	8,279	
73-75 RR (RT)	—	—	—	30	6,923	45	7,610	
2012CL (ST)	—	—	—	31	4,665	43	6,742	
CANTERRA 1990 (RT)	—	—	—	21	627	49	3,811	
46H75 (ST)	—	—	—	34	1,270	46	3,678	
PIONEER 45S54 RR (RT)	—	—	—	—	—	40	2,596	
74-44BL (RT)	—	—	—	—	—	49	2,550	
L156H (LT)	—	—	—	—	—	52	2,531	
6060RR (RT)	—	—	27	28	5,167	40	2,375	
72-65 (RT)	45	38	28	25	3,618	42	1,854	
VICTORY V12-1 (RT)	—	—	—	26	1,223	55	1,541	
45H31 (RT)	—	—	—	—	—	47	1,280	
5525 CL (ST)	—	—	—	—	—	37	1,191	
VT500 (RT)	—	—	22	25	2,874	40	1,143	
INVIGOR L120 (LT)	—	—	—	25	1,619	47	939	
2016 CL	—	—	—	—	—	48	899	
5030 (LT)	46	39	19	—	—	26	829	
DEKALB 74-44 BL (RT)	—	—	—	—	—	48	826	
73-45RR (RT)	—	—	30	24	5,645	45	760	
CANTERRA 1918 (RT)	—	—	—	—	—	38	623	
PIONEER 45S52 (RT)	—	—	32	32	1,896	50	569	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						45.8	164,795	

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 7	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
NEWDALE	—	78	38	54	3,352	93	6,409	
AC METCALFE	71	56	27	43	6,057	75	4,843	
CDC AUSTENSON	—	—	—	—	—	99	2,472	
CDC COPELAND	73	63	27	46	3,488	90	2,383	
CELEBRATION	—	—	—	—	—	99	2,298	
CDC COWBOY	66	54	12	42	2,232	90	2,026	
STELLAR-ND	—	—	47	66	1,376	91	929	
BENTLEY	—	—	—	—	—	57	569	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						89.3	24,704	

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 7	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
FURLONG	91	120	89	103	3,502	131	4,466	
SOURIS	—	99	80	92	1,954	131	2,579	
TRIACTOR	—	—	91	82	2,568	134	2,131	
PINNACLE	97	101	79	85	2,616	108	1,596	
CDC DANCER	111	102	52	80	1,178	126	1,545	
RONALD	—	—	32	—	—	98	712	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						123.3	15,539	

‡ On system as of January 7, 2014;
 * Assuming 48 lbs./bu.

get Richer™

NSC Richer RR2Y

Never has a name meant so much.

Our NSC Richer RR2Y is the test-plot proven highest yielder. You get a mid-season bean and wide rows, not to mention...a bit richer.

At NorthStar Genetics, we know beans!
www.weknowbeans.com



© NorthStar Genetics 2013

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity and Design®, Genuity Icons, Genuity®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup WeatherMAX®, and Roundup® are trademarks of Monsanto Technology LLC. Monsanto Canada, Inc. licensee. Respect the Refuge and Design is a registered trademark of the Canadian Seed Trade Association. Used under license. ©2012 Monsanto Canada, Inc.



FLAX YIELDS BY VARIETY 2009–2013†						RISK AREA 7	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CDC SORREL	31	24	15	20	2,173	36	1,281
CDC BETHUNE	30	23	—	20	1,441	37	1,106
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						36.7	4,900

FIELD PEA YIELDS BY VARIETY 2009–2013†						RISK AREA 7	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CDC MEADOW	46	44	22	41	2,849	59	2,345
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						49.2	5,180

RISK AREA 8

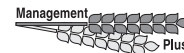
WHEAT YIELDS BY VARIETY 2009–2013†						RISK AREA 8	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
HARVEST (RS)	57	47	52	41	55,723	66	64,686
CDC STANLEY (RS)	—	—	—	47	2,568	60	19,515
CDC UTMOST (RS)	—	—	51	36	8,505	59	18,024
AC DOMAIN (RS)	49	36	42	32	21,421	53	16,838
MUCHMORE (RS)	—	—	—	50	5,532	74	12,606
CARBERRY (RS)	—	—	48	40	9,056	63	12,419
AC SPLENDOR (RS)	56	43	49	40	5,540	57	4,398
GLENN (RS)	—	—	61	49	4,334	66	3,481
5604HR CL (RS)	—	—	—	30	1,482	56	3,150
CDC GO (RS)	62	48	58	53	2,772	71	2,417
5603 HR (RS)	—	—	49	42	3,788	56	2,317
KANE (RS)	56	45	46	37	2,552	52	1,454
AC INTREPID (RS)	45	31	35	35	3,186	41	1,391
CDC IMAGINE (RS)	52	34	38	43	1,211	62	1,382
ALVENA (RS)	54	39	38	34	1,385	54	748

WHEAT YIELDS BY VARIETY 2009–2013†						RISK AREA 8	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CARDALE (RS)	—	—	—	—	—	64	678
FALLER (F)	—	—	—	—	—	59	508
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						62.8	168,392

CANOLA YIELDS BY VARIETY 2009–2013†						RISK AREA 8	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
5440 (LT)	51	36	42	17	83,675	43	65,497
1012RR (RT)	—	—	—	16	15,338	38	34,294
INVIGOR L130 (LT)	—	—	44	16	48,388	39	22,407
73-75 RR (RT)	—	—	—	15	9,741	37	11,121
INVIGOR L159 (LT)	—	—	—	14	2,124	37	9,717
2012CL (ST)	—	—	—	17	3,219	37	7,682
VT500 (RT)	—	—	32	12	7,795	31	7,634
INVIGOR L150 (LT)	—	—	45	15	16,130	41	7,477
VICTORY V12-1 (RT)	—	—	—	13	644	42	6,631
L156H (LT)	—	—	—	—	—	38	5,508
INVIGOR L120 (LT)	—	—	—	14	1,650	35	3,540
45H31 (RT)	—	—	—	16	4,982	46	2,855
6060RR (RT)	—	—	—	13	2,197	41	2,156
CANTERRA 1990 (RT)	—	—	—	—	—	38	1,918
73-45RR (RT)	—	—	35	16	3,231	37	1,672
PIONEER 45S52 (RT)	—	—	37	—	—	14	1,585
46H75 (ST)	—	—	—	—	—	43	1,460
94H04 (RT)	—	—	—	—	—	36	1,361
INVIGOR L154 (LT)	—	—	—	—	—	37	1,309
PIONEER 45S54 RR (RT)	—	—	—	—	—	42	1,253
1016 (RT)	—	—	—	—	—	39	1,138
72-65 (RT)	—	32	37	12	2,673	36	940
D3153 (RT)	—	—	—	—	—	50	697
45H29 (RT)	—	37	44	17	1,083	50	592
VR 9559 G (RT)	—	—	—	16	1,271	34	579
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						39.3	206,044

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
§ Weighted Average Yield and Total Acreage include acres not reported in the table.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

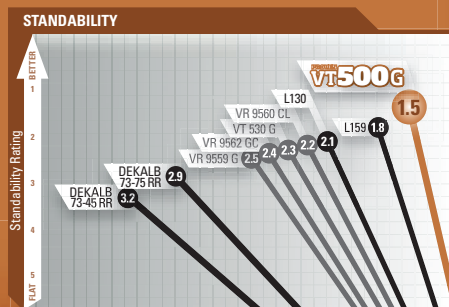
‡ On system as of January 7, 2014;
* Assuming 48 lbs./bu.



PROVEN
VT500G

Proven
SEED

Yields BIG Stands STRONG



#1 for World Class Standability!

Maximize your yield with the best standability of any hybrid on the market. Proven VT 500 G is #1 for standability allowing you to swath and combine at faster speeds than ever before, saving you time and money during harvest.

Contact your local CPS retail location and get the power to grow with Proven VT 500 G and the entire Proven Seed portfolio.

Crop
Production
Services



Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity and Design®, Genuity®, Roundup Ready® and Roundup® are registered trademarks of Monsanto Technology LLC, Monsanto Canada, Inc. licensee. ©2013 Monsanto Canada Inc. Proven® Seed is a registered trademark of Crop Production Services (Canada) Inc. CPS CROP PRODUCTION SERVICES and Design is a registered trademark of Crop Production Services, Inc.

**A little bit of fusarium can
affect an entire harvest.**

**Luckily, so can one
treatment of Caramba.**



Caramba®
Fungicide

For cereal growers with high production goals, Caramba® is the fungicide that best optimizes grade, yield and quality. It defends against fusarium head blight (FHB) and is proven to reduce deoxynivalenol (DON) contamination in grain. Caramba provides unparalleled prevention and control of late season leaf diseases. Plus, growers who use Caramba have experienced yield increases of up to 3 to 4 bushels per acre versus untreated wheat. So don't leave the fate of your harvest up to chance – trust it to Caramba. Prepare now at agsolutions.ca/caramba or call **AgSolutions®** Customer Care at 1-877-371-BASF (2273).

 **BASF**
The Chemical Company

Always read and follow label directions.

AgSolutions is a registered trade-mark of BASF Corporation; and **CARAMBA** is a registered trade-mark of BASF Agro B.V., all used with permission by BASF Canada Inc. CARAMBA should be used in a preventative disease control program. © 2014 BASF Canada Inc.

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 8	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
900Y71 (RT)	—	—	—	—	—	33	1,939	
PEKKO R2 (RT)	—	—	—	—	—	27	1,566	
23-10RY	—	—	—	—	—	25	662	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						28.1	5,144	

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 8	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC AUSTENSON	—	—	—	—	—	104	1,406	
AC METCALFE	—	—	—	—	—	66	861	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						75.4	4,916	

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 8	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SUMMIT	—	—	—	—	—	138	2,668	
SOURIS	88	99	110	36	668	109	2,283	
TRIPLE CROWN	84	54	34	36	677	73	1,723	
RONALD	84	73	63	49	1,159	80	1,439	
AC MORGAN	—	—	—	—	—	84	573	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						106.9	10,106	

RISK AREA 9

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 9	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
GLENN (RS)	48	31	42	46	34,489	59	57,148	
HARVEST (RS)	48	37	46	39	62,471	68	55,454	
CARBERRY (RS)	—	—	—	47	13,088	59	54,161	
AC DOMAIN (RS)	42	28	32	36	42,506	57	45,529	
KANE (RS)	46	30	34	40	25,181	52	15,107	
CDC STANLEY (RS)	—	—	—	53	1,937	63	13,575	
CDC BUTEO (W)	46	45	41	53	26,349	53	12,334	
WR 859 CL (RS)	—	35	38	41	4,240	61	10,754	
AC WASKADA (RS)	54	32	36	44	8,280	59	10,224	
AC BARRIE (RS)	44	25	29	44	17,691	56	8,946	
CDC UTMOST (RS)	—	—	—	42	2,096	64	6,920	
5604HR CL (RS)	—	—	—	—	—	53	4,587	
MUCHMORE (RS)	—	—	—	54	1,620	64	3,761	
SUPERB (RS)	47	32	31	37	4,017	59	3,527	
CDC TEAL (RS)	42	47	37	38	2,011	50	2,612	
AC INTREPID (RS)	43	44	45	31	2,924	50	2,536	
UNITY VB (RS)	—	59	51	42	1,386	56	2,363	
5603 HR (RS)	—	39	36	43	3,890	49	2,282	
CDC FALCON (W)	—	27	—	57	3,108	57	2,041	
5602HR (RS)	45	32	—	40	816	52	1,691	
PASTEUR (GP) (F)	—	—	—	—	—	77	1,534	
FALLER (F)	—	—	—	—	—	70	1,438	
AC VISTA (PS)	53	26	37	52	1,288	66	1,330	
CARDALE (RS)	—	—	—	—	—	70	1,248	
BRIGGS (F)	66	17	—	—	—	49	525	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						59.9	330,685	

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 9	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
1012RR (RT)	—	—	35	25	29,132	36	66,199	
5440 (LT)	45	25	31	22	66,048	39	61,989	
INVIGOR L150 (LT)	—	—	34	19	124,512	37	44,350	
INVIGOR L130 (LT)	—	—	33	21	36,214	37	37,678	
73-75 RR (RT)	—	—	—	23	11,906	38	13,120	
L156H (LT)	—	—	—	—	—	33	12,239	
45H29 (RT)	—	45	32	22	14,464	41	11,469	
INVIGOR L120 (LT)	—	—	—	20	7,083	36	8,510	
2012CL (ST)	—	—	—	19	10,342	33	8,378	
VR 9560 CL (ST)	—	—	—	21	2,827	39	6,782	
INVIGOR L154 (LT)	—	—	—	26	1,055	43	6,549	
74-44BL (RT)	—	—	—	—	—	37	6,152	
CANTERRA 1990 (RT)	—	—	—	23	601	43	4,989	
6060RR (RT)	—	—	25	21	3,417	36	4,826	
45H31 (RT)	—	—	—	26	773	32	4,449	
VT500 (RT)	—	—	33	19	7,682	32	3,891	
CANTERRA 1970 (RT)	—	—	22	22	2,122	43	3,333	

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 9	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
INVIGOR L159 (LT)	—	—	—	15	3,181	32	3,167	
72-65 (RT)	44	31	23	20	4,230	37	2,876	
VICTORY V12-1 (RT)	—	—	—	—	—	31	2,738	
D3153 (RT)	—	—	—	23	1,713	33	2,588	
46H75 (ST)	—	—	—	18	1,877	31	2,416	
PIONEER 45S52 (RT)	—	—	28	16	3,471	44	2,315	
DEKALB 74-44 BL (RT)	—	—	—	—	—	31	1,984	
CANTERRA 1918 (RT)	—	—	—	20	3,055	36	1,883	
CANTERRA 1950 (RT)	—	28	24	22	1,333	30	1,540	
2016 CL	—	—	—	—	—	20	1,537	
1145 (LT)	—	19	26	20	8,694	35	1,534	
73-45RR (RT)	—	—	33	18	8,307	32	1,499	
PIONEER 45S54 RR (RT)	—	—	—	—	—	41	1,486	
45H73 (ST)	—	45	48	—	—	5	1,480	
73-55RR (RT)	—	38	30	19	677	39	1,330	
5525 CL (ST)	—	—	—	16	702	40	1,214	
45H76 (ST)	—	—	—	—	—	39	1,135	
6050 RR (RT)	—	—	—	—	—	45	1,120	
1016 (RT)	—	—	—	—	—	37	907	
94H04 (RT)	—	—	—	13	1,786	38	852	
45H28 (RT)	44	26	—	—	—	41	850	
NX4 105 RR	44	24	26	20	1,017	14	813	
VICTORY V2045 (RT)	—	—	—	—	—	33	657	
CANTERRA 1999 (RT)	—	—	—	—	—	35	522	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						36.5	357,666	

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 9	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PEKKO R2 (RT)	—	—	—	39	1,655	35	12,403	
THUNDER 32004R2Y	—	—	—	36	847	38	7,600	
23-10RY	—	—	—	35	570	33	5,371	
THUNDER 33003R2Y (RT)	—	—	—	—	—	35	4,731	
LS003R22	—	—	—	40	770	34	3,665	
LS004R21	—	—	—	—	—	33	1,810	
900Y71 (RT)	—	—	—	31	1,732	25	1,529	
NSC ANOLA RR2Y	—	—	—	—	—	30	1,162	
24-10RY	—	—	—	—	—	42	806	
THUNDER 29002RR (RT)	—	—	—	35	1,212	30	792	
LS 002R23	—	—	—	—	—	37	760	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						34.5	42,982	

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 9	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CONLON	61	31	40	38	3,836	51	5,255	
AC METCALFE	68	29	32	29	4,560	73	4,246	
CELEBRATION	—	—	—	50	1,508	65	2,869	
STELLAR-ND	—	—	35	35	1,689	67	2,329	
LEGACY	70	42	34	33	2,309	74	2,164	
CDC AUSTENSON	—	—	—	—	—	88	2,078	
CDC YORKTON	77	56	47	36	2,544	74	1,946	
NEWDALE	—	—	41	42	2,889	68	1,937	
CHAMPION	—	—	—	—	—	73	1,580	
CDC COPELAND	—	—	—	—	—	71	1,016	
TRADITION	78	52	31	39	2,936	77	903	
BENTLEY	—	—	45	31	2,000	98	702	
CDC COWBOY	65	34	50	16	1,529	102	521	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						66.8	31,479	

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 9	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SOURIS	89	77	71	72	8,933	99	11,526	
LEGGETT	94	54	47	56	3,357	78	3,526	
TRIACTOR	—	66	78	69	1,085	101	3,365	
PINNACLE	89	—	—	43	887	80	2,322	
AC MORGAN	—	—	97	92	2,016	117	2,298	
TRIPLE CROWN	71	58	69	55	1,499	83	1,913	
RONALD	83	76	68	65	2,842	69	1,826	
DERBY	71	—	—	36	527	71	1,235	
FURLONG	75	64	34	45	1,542	78	1,185	
SUMMIT	—	—	—	—	—	71	1,130	
AC ASSINIBOIA	86	—	—	—	—	96	617	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						86.3	35,912	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
§ Weighted Average Yield and Total Acreage include acres not reported in the table.
‡ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
* Assuming 48 lbs./bu.



Extended early season control in soybeans.

Valtera™ has shown to boost yield by up to 6.7 bushels/acre.*

Eliminating early weed pressure is the secret to better soybeans. Adding Valtera™ herbicide to your burndown will give IP and Roundup Ready® soybeans a huge leg up.

Valtera is a Group 14 residual pre-emergent product. It remains in the soil to provide safe, extended (4 to 6 week) control of tough weeds, including:

- Pigweed
- Lamb's-quarters
- Seedling dandelions
- Nightshade

Innovative solutions. Business made easy.
1.800.868.5444 Nufarm.ca

*Results from trials across 5 States, comparing yields in fields using a glyphosate burndown versus a Valtera + glyphosate burndown. Valtera™ is a trademark of Valent U.S.A. Corporation. All other products are trademarks of their respective owners.
22536-1113





FLAX YIELDS BY VARIETY 2009–2013†							RISK AREA 9	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC BETHUNE	24	12	16	7	1,404	17	1,281	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							22.6	2,136

FIELD PEA YIELDS BY VARIETY 2009–2013†							RISK AREA 9	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC MEADOW	—	—	—	38	1,713	55	1,076	
LIVIOLETTA	42	12	27	27	992	29	1,003	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							40.6	2,409

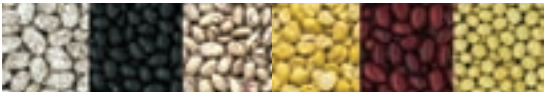
RISK AREA 10

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 10	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC FALCON (W)	70	67	54	54	19,101	57	25,662	
CARBERRY (RS)	—	—	—	37	3,312	52	10,015	
GLENN (RS)	67	46	40	44	16,144	53	9,543	
KANE (RS)	59	43	27	42	5,803	49	4,258	
BROADVIEW (W)	—	—	—	55	1,037	62	4,072	
WR 859 CL (RS)	—	—	42	45	4,589	60	2,292	
PASTEUR (GP) (F)	—	—	—	—	—	71	2,277	
AC BARRIE (RS)	55	42	31	42	4,719	48	1,884	
ACCIPITER (W)	—	—	—	—	—	49	1,380	
HARVEST (RS)	—	49	—	46	2,017	57	1,357	
FLOURISH (W)	—	—	—	—	—	60	951	
CDC BUTEO (W)	76	—	31	46	3,204	59	886	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							55.9	65,511





BUYERS AND CONTRACTORS OF DRY EDIBLE BEANS, SUNFLOWERS AND MILLETS, BROWN AND GOLDEN FLAX.



Winkler **204-325-9555**
 Plum Coule **204-829-2326**
 St Jean SAB plant **204-758-3595**

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 10	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
5440 (LT)	49	31	35	28	20,787	43	16,179	
INVIGOR L130 (LT)	—	—	35	27	11,496	44	11,004	
1012RR (RT)	—	—	—	29	4,471	39	8,331	
INVIGOR L150 (LT)	—	—	34	26	25,339	43	7,972	
INVIGOR L154 (LT)	—	—	—	26	1,495	43	6,408	
L156H (LT)	—	—	—	—	—	44	5,182	
73-75 RR (RT)	—	—	—	27	4,281	38	5,089	
INVIGOR L120 (LT)	—	—	—	29	1,039	46	4,213	
2012CL (ST)	—	—	—	24	593	36	1,898	
45H29 (RT)	—	46	34	30	1,341	34	1,684	
VICTORY V2045 (RT)	—	—	—	—	—	36	1,632	
1145 (LT)	—	28	34	27	1,771	45	1,522	
73-45RR (RT)	—	—	27	26	1,247	40	1,241	
PIONEER 45S52 (RT)	—	—	—	—	—	34	1,133	
45H73 (ST)	45	42	31	—	—	30	1,115	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							41.3	80,314

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 10	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
900Y61	—	—	—	36	7,822	36	7,172	
THUNDER 32004R2Y	—	—	—	—	—	36	4,176	
23-10RY	—	—	—	—	—	38	3,931	
LS 005R22	—	—	—	29	2,313	40	3,618	
NSC LIBAU RR2Y	—	—	—	31	1,476	33	3,523	
LS004R21	—	—	—	28	3,070	34	3,285	
24-10RY	—	—	—	36	1,896	36	2,576	
NSC ELIE RR2Y (RT)	—	—	—	38	2,320	37	1,751	
PS 0027RR (RT)	—	—	35	—	—	35	1,646	
LS 005R21	—	—	—	—	—	45	1,626	
PEKKO R2 (RT)	—	—	—	32	1,678	31	1,550	
THUNDER 33003R2Y (RT)	—	—	—	—	—	38	1,525	
900Y71 (RT)	—	—	30	31	5,741	32	1,441	
25-10RY	—	—	—	37	3,146	42	1,404	
NSC RICHER RR2Y (RT)	—	—	—	37	1,171	45	1,246	
NSC ANOLA RR2Y	—	—	—	—	—	41	999	
PS 0083 R2 (RT)	—	—	—	—	—	41	729	
OAC PRUDENCE	—	38	—	—	—	30	674	
CHADBURN R2	—	—	—	—	—	30	665	
HS 006RYS24	—	—	—	38	625	33	572	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							36.6	48,676

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 10	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CONLON	76	42	32	53	8,162	68	9,476	
TRADITION	78	30	—	44	1,015	73	2,177	
CELEBRATION	—	—	—	—	—	68	1,917	
DESPERADO	—	14	—	—	—	47	894	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							67.3	16,171

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 10	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SOURIS	118	84	70	71	9,154	100	7,921	
FURLONG	109	83	81	71	4,854	99	3,804	
LEGGETT	98	68	73	62	2,148	78	3,556	
PINNACLE	104	80	—	60	2,708	121	786	
SUMMIT	—	—	—	79	653	88	609	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							95.4	18,182

CORN YIELDS BY VARIETY 2009–2013†							RISK AREA 10	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER 39D95 (RT)	72	113	95	121	14,461	126	14,560	
PIONEER 39D97 (BT)(LT)(RT)	66	114	89	124	6,578	135	6,554	
PIONEER P7443R (RR)	—	—	84	115	4,629	122	6,192	
PIONEER 39V05 (RT)	—	—	—	—	—	136	1,712	
PIONEER 39B94 (BT)(LT)(RT)	85	113	98	129	2,142	126	1,541	
PIONEER P7213R (RT)	—	86	80	100	2,401	112	1,236	
DEKALB DKC26-28RIB (RT)	—	—	—	—	—	129	1,043	
PRIDE A4240RR	—	—	—	107	702	113	973	
DEKALB DKC 27-55 (LT)(RT)	—	—	—	—	—	84	724	
A4631G2 RIB (RT)	—	—	—	—	—	116	673	
P7632HR (BT)(RT)	—	—	—	—	—	130	560	
HYLAND 3093 (RT)	—	—	—	—	—	117	541	
DEKALB DKC 27-54	—	—	—	130	840	144	524	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							125.4	40,715

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
 * Assuming 48 lbs./bu.

“OTHERS TALK, BUT V-CLASS™ DELIVERS HIGHER RETURNS. PERIOD.”

Only **VICTORY® V-Class™ V12-1 Canola** finished #1 in returns for the Genuity® Roundup Ready® category in the 2011 and 2012 Canola Performance Trials. And **V12-2** offers even higher yields along with the same simple program that's easy to execute. Get more for your canola with **VICTORY® V-Class™** hybrids.



VICTORY®
HYBRID CANOLA



*The Cargill logo, *VICTORY and *VICTORY Hybrid Canola logo are registered trademarks of Cargill Incorporated, used under license. Genuity®, Genuity and Design®, Genuity Icons, Roundup Ready®, and Roundup® are trademarks of Monsanto Technology LLC, used under license. Always follow grain marketing and all other stewardship practices and pesticide label directions. Details of these requirements can be found in the Trait Stewardship Responsibilities Notice to Farmers printed in this publication.
©2013 Cargill, Incorporated. All rights reserved.



www.victorycanola.com
www.cargill.ca

DRY BEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 10	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
T9905 (WHITE PEA)	—	—	—	1,986	1,383	1,973	5,701	
WINDBREAKER (PINTO)	2,143	1,420	—	1,861	4,018	2,072	1,754	
ECLIPSE (BLACK)	1,781	1,757	—	2,328	572	1,739	1,396	
PINK PANTHER (KIDNEY)	1,995	1,076	1,030	950	1,144	1,151	1,290	
ENVOY (WHITE PEA)	1,526	1,063	941	1,653	5,318	1,821	988	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						1809.0	13,341	

SUNFLOWER YIELDS BY VARIETY 2009–2013†							RISK AREA 10	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SEEDS2000 JAGUAR DMR (C)	—	—	—	—	—	1,510	665	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						2018.8	3,979	

RISK AREA 11

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CARBERRY (RS)	—	—	40	55	25,131	66	63,142	
CDC FALCON (W)	69	64	67	65	56,479	71	53,442	
KANE (RS)	58	43	39	51	38,704	61	25,265	
GLENN (RS)	61	43	39	49	22,051	66	22,246	
WR 859 CL (RS)	—	59	39	49	12,149	63	18,826	
PASTEUR (GP) (F)	—	—	—	61	1,561	88	6,568	
FALLER (F)	—	51	34	68	3,542	84	5,880	
AC BARRIE (RS)	53	35	33	43	11,566	55	5,682	
CDC STANLEY (RS)	—	—	—	—	—	66	5,098	
5604HR CL (RS)	—	—	—	35	940	76	2,128	
BROADVIEW (W)	—	—	—	—	—	88	2,098	
FLOURISH (W)	—	—	—	—	—	74	1,695	
CARDALE (RS)	—	—	—	—	—	75	1,590	
CDC GO (RS)	69	58	—	—	—	79	1,504	
AC DOMAIN (RS)	52	42	42	57	2,101	67	1,344	
5603 HR (RS)	—	—	33	46	4,784	43	1,223	
CDC BUTEO (W)	—	—	—	56	4,007	53	906	
ACCIPITER (W)	—	—	—	—	—	72	760	
MUCHMORE (RS)	—	—	—	—	—	67	688	
MCCLINTOCK (W)	68	—	—	—	—	60	581	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						67.5	223,402	

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
5440 (LT)	47	33	29	28	40,240	48	33,486	
1012RR (RT)	—	—	—	28	21,821	44	26,488	
INVIGOR L150 (LT)	—	—	31	27	70,139	45	25,947	
INVIGOR L130 (LT)	—	—	29	30	23,007	47	22,401	
INVIGOR L154 (LT)	—	—	—	32	2,714	51	19,116	
73-75 RR (RT)	—	—	—	30	7,560	40	11,624	
L156H (LT)	—	—	—	—	—	44	8,675	
2012CL (ST)	—	—	—	25	5,367	42	7,176	
CANTERRA 1990 (RT)	—	—	—	27	2,086	48	4,610	
VT500 (RT)	—	—	19	23	4,495	41	4,307	
VICTORY V2045 (RT)	—	—	—	—	—	36	3,310	
INVIGOR L120 (LT)	—	—	—	28	1,039	48	3,185	
1145 (LT)	—	26	—	28	3,414	47	2,480	
73-45RR (RT)	—	—	26	23	4,867	42	2,414	
INVIGOR L159 (LT)	—	—	—	—	—	48	2,153	
74-44BL (RT)	—	—	—	—	—	41	1,943	
45H31 (RT)	—	—	—	—	—	42	1,842	
45H29 (RT)	—	27	29	23	2,893	43	1,788	
CANTERRA 1918 (RT)	—	—	25	24	989	37	1,661	
VR 9560 CL (ST)	—	—	—	30	1,767	45	1,487	
6060RR (RT)	—	—	25	19	1,169	25	1,407	
CANTERRA 1970 (RT)	—	—	28	29	5,075	48	1,400	
46H75 (ST)	—	—	—	36	1,443	41	1,380	
2016 CL	—	—	—	—	—	19	1,131	
PIONEER 45S52 (RT)	—	—	—	18	598	39	984	
DEKALB 74-44 BL (RT)	—	—	—	—	—	39	982	
997RR (RT)	38	—	—	—	—	18	898	
73-55RR (RT)	—	—	34	32	1,225	37	661	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						44.9	201,484	

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
NSC LIBAU RR2Y	—	—	—	38	11,282	38	10,757	
THUNDER 32004R2Y	—	—	—	43	970	39	9,141	
900Y61	—	—	—	32	7,065	38	8,250	
NSC ANOLA RR2Y	—	—	—	38	2,162	42	5,961	
LS 005R22	—	—	—	41	1,353	46	5,920	
24-10RY	—	—	—	44	1,458	42	5,615	
NSC ELIE RR2Y (RT)	—	—	—	41	4,159	47	5,293	
23-10RY	—	—	—	35	725	41	5,036	
LS004R21	—	—	—	32	3,494	40	4,521	
CHADBURN R2	—	—	—	36	3,106	40	4,179	
THUNDER 33003R2Y (RT)	—	—	—	—	—	41	3,256	
VITO R2	—	—	—	—	—	45	1,826	
LS 005R21	—	—	—	—	—	45	1,593	
PEKKO R2 (RT)	—	—	—	38	2,388	40	1,410	
LS003R22	—	—	—	—	—	39	1,385	
LS 002R23	—	—	—	—	—	44	1,211	
900Y71 (RT)	—	33	24	31	2,990	36	736	
NSC RICHER RR2Y (RT)	—	—	—	—	—	42	651	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						40.9	87,789	

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CONLON	86	62	38	63	22,419	83	20,822	
CDC AUSTENSON	—	—	—	61	2,461	105	6,155	
CELEBRATION	—	—	—	67	3,116	99	4,963	
TRADITION	82	50	20	52	3,402	91	2,665	
STELLAR-ND	—	45	—	54	4,985	65	2,408	
CDC MINDON	—	54	30	46	1,928	68	1,553	
DESPERADO	—	—	—	63	1,140	75	1,092	
CDC COPELAND	83	36	—	55	970	90	782	
NEWDAL	73	23	20	58	823	89	597	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						88.6	46,606	

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
SUMMIT	—	107	56	81	7,553	127	6,224	
SOURIS	—	111	76	87	5,463	121	5,956	
FURLONG	100	79	62	73	10,759	93	4,755	
LEGGETT	113	76	59	71	3,404	93	4,367	
TRIACTOR	—	81	71	89	3,103	138	983	
RONALD	84	89	45	64	1,133	151	925	
AC ASSINIBOIA	88	65	113	37	1,117	67	728	
PINNACLE	111	60	—	34	859	110	664	
GEHL (HULLESS)	—	—	—	—	—	51	619	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						110.6	26,278	

CORN YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER P7443R (RR)	—	—	—	121	889	125	2,840	
PIONEER 39D95 (RT)	—	—	—	134	706	155	1,688	
PIONEER P7213R (RT)	—	—	76	114	590	93	734	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						126.9	8,353	

DRY BEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
ENVOY (WHITE PEA)	1,550	1,528	2,282	1,839	9,996	2,425	5,370	
WINDBREAKER (PINTO)	2,299	2,143	2,295	1,786	3,686	2,231	4,266	
T9905 (WHITE PEA)	—	2,202	2,297	1,967	3,312	2,452	4,086	
T9903 (WHITE PEA)	1,709	1,755	1,806	1,691	4,037	1,967	2,998	
PINK PANTHER (KIDNEY)	2,066	1,612	1,920	1,400	3,742	2,443	2,456	
CARGO (WHITE PEA)	1,579	1,539	1,876	1,757	3,973	2,310	1,068	
ECLIPSE (BLACK)	2,030	1,892	2,339	1,812	2,244	2,176	655	
PINK FLOYD (OTHER)	—	—	—	—	—	2,355	583	
PORTAGE (WHITE PEA)	—	—	—	—	—	2,399	562	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						2293.2	25,438	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
§ Weighted Average Yield and Total Acreage include acres not reported in the table.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
* Assuming 48 lbs./bu.

Vibrant roots fuel better performance.

Crops thrive with Cruiser Maxx® Vibrance®. When the Vigor Trigger® effect meets Rooting Power™, you get enhanced crop establishment from stronger, faster-growing plants, above and below the ground. It also protects your wheat and barley crops against a broad range of insects and diseases and delivers best-in-class *Rhizoctonia* control.



 **CruiserMaxx® Vibrance®**
Cereals

syngenta®



Visit SyngentaFarm.ca or contact our Customer Resource Centre at 1-87-SYNGENTA (1-877-964-3682).

Always read and follow label directions. Cruiser Maxx® Vibrance® Cereals, Rooting Power™, Vigor Trigger®, the Alliance Frame, the Purpose Icon and the Syngenta logo are trademarks of a Syngenta Group Company. © 2014 Syngenta.



FLAX YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC SORREL	30	16	17	9	3,693	29	1,842	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							27.0	3,192

SUNFLOWER YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
P63ME70 (O)	—	—	—	—	—	2,705	755	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							2573.2	2,983

FIELD PEA YIELDS BY VARIETY 2009–2013†							RISK AREA 11	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
AGASSIZ	—	39	—	45	1,659	62	880	
CDC MEADOW	—	—	—	—	—	28	869	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							45.6	2,279

RISK AREA 12

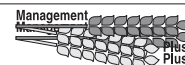
WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 12	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CARBERRY (RS)	—	—	43	62	83,835	66	191,590	
CDC FALCON (W)	61	66	63	82	138,092	75	187,206	
GLENN (RS)	56	40	39	62	90,244	67	74,931	
KANE (RS)	52	41	36	59	76,591	63	28,598	
WR 859 CL (RS)	—	42	36	62	23,327	69	18,712	
PASTEUR (GP) (F)	—	—	—	75	1,706	88	18,547	
FALLER (F)	—	41	47	70	4,900	83	12,294	
AC BARRIE (RS)	49	37	34	54	24,880	61	9,734	
FLOURISH (W)	—	—	—	—	—	79	7,440	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 12	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
AC DOMAIN (RS)	55	50	45	60	17,098	59	7,102	
JENNA (F)	—	—	—	—	—	84	6,504	
CDC STANLEY (RS)	—	—	—	—	—	64	6,040	
5604HR CL (RS)	—	—	—	62	621	67	4,581	
CDC GO (RS)	62	61	48	65	5,925	79	4,135	
CARDALE (RS)	—	—	—	—	—	77	3,402	
MCCLINTOCK (W)	—	—	—	83	1,160	71	1,860	
5602HR (RS)	45	32	37	50	3,054	54	1,410	
HARVEST (RS)	60	57	48	60	2,724	61	1,402	
5603 HR (RS)	—	45	40	55	8,184	60	1,399	
BARLOW (F)	—	—	—	—	—	74	1,240	
CDC KESTREL (W)	—	—	—	—	—	65	625	
BROADVIEW (W)	—	—	—	—	—	82	595	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							70.2	595,584

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 12	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
5440 (LT)	40	30	27	32	103,482	50	107,040	
INVIGOR L130 (LT)	—	—	26	32	62,446	49	73,014	
INVIGOR L150 (LT)	—	—	28	30	175,915	49	67,472	
INVIGOR L154 (LT)	—	—	—	33	12,667	51	35,738	
L156H (LT)	—	—	—	—	—	51	31,408	
INVIGOR L159 (LT)	—	—	—	32	4,811	47	19,288	
VR 9560 CL (ST)	—	—	—	34	3,506	51	14,080	
73-75 RR (RT)	—	—	—	34	7,736	48	13,950	
1145 (LT)	—	33	29	34	22,151	51	13,101	
1012RR (RT)	—	—	21	34	7,375	49	10,172	
2012CL (ST)	—	—	24	29	29,652	43	9,402	
VICTORY V2045 (RT)	—	—	—	—	—	42	7,021	
46H75 (ST)	—	—	—	32	5,137	47	6,867	
INVIGOR L120 (LT)	—	—	—	28	2,270	48	6,226	
2016 CL	—	—	—	32	1,278	42	4,319	

‡ On system as of January 7, 2014;
 * Assuming 48 lbs./bu.



More BUSHELS More EFFICIENCY

Top yielding and easy to grow.

Proven VT 530 G, the new high performance, Genuity® Roundup Ready® canola hybrid. With resistance to Fusarium Wilt, medium maturity, and excellent standability, you'll swath faster and combine more efficiently, while putting more bushels in your bin.

Contact your local CPS retail location and get the power to grow with Proven VT 530 G and the entire Proven Seed portfolio.



Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity and Design®, Genuity®, Roundup Ready® and Roundup® are registered trademarks of Monsanto Technology LLC, Monsanto Canada, Inc. licensee. ©2013 Monsanto Canada Inc. Proven® Seed is a registered trademark of Crop Production Services (Canada) Inc. CPS CROP PRODUCTION SERVICES and Design is a registered trademark of Crop Production Services, Inc.



The miracles of science™

Today's smart choice for preventing weed resistance.
Herbicides with different modes of action

NOTHING GETS PAST BARRICADE® II.

When tough broadleaf weeds invade your cereal crops, it's no time for half-measures. You need action *now*. With a new and more concentrated formulation, DuPont™ Barricade® II herbicide leverages the strength of three active ingredients from 2 different groups (Group 2 and Group 4) to keep broadleaf weeds far away from your crop. Powered by Solumax® soluble granules, Barricade® II also delivers one-hour rainfastness and easier, more consistent sprayer cleanout. It's no wonder growers made it Western Canada's premier broadleaf herbicide for cereals.

DuPont™
Barricade® II

Barricade® II. Raise the bar on your broadleaf weed control.

**Questions? Ask your retailer, call 1-800-667-3925 or
visit barricade.dupont.ca**

powered by Solumax®
soluble granules, combined

narrow-leaved hawk's beard, kochia, cleavers,
flixweed, lamb's-quarters, cow co
volunteer canola

cereal crops

multiple modes of action from two groups
– Group 2 and Group 4.

An effective, time-saving
formulation. Barricade® II

As with all crop protection products, read and follow label instructions carefully.

The DuPont Oval Logo, DuPont™, The miracles of science™, Barricade® and Solumax® are registered trademarks or trademarks of E. I. du Pont de Nemours and Company. E. I. du Pont Canada Company is a licensee. Member of CropLife Canada.
© Copyright 2014 E. I. du Pont Canada Company. All rights reserved.





The miracles of science™

Today's smart choice for preventing weed resistance.
Herbicides with different modes of action

NOTHING GETS PAST BARRICADE® II.

When tough broadleaf weeds invade your cereal crops, it's no time for half-measures. You need action *now*. With a new and more concentrated formulation, DuPont™ Barricade® II herbicide leverages the strength of three active ingredients from 2 different groups (Group 2 and Group 4) to keep broadleaf weeds far away from your crop. Powered by Solumax® soluble granules, Barricade® II also delivers one-hour rainfastness and easier, more consistent sprayer cleanout. It's no wonder growers made it Western Canada's premier broadleaf herbicide for cereals.

DuPont™
Barricade® II

Barricade® II. Raise the bar on your broadleaf weed control.

**Questions? Ask your retailer, call 1-800-667-3925 or
visit barricade.dupont.ca**

powered by Solumax®
soluble granules, combined

narrow-leaved hawk's beard, kochia, cleavers,
flixweed, lamb's-quarters, cow co
volunteer canola

cereal crops

multiple modes of action from two groups
– Group 2 and Group 4.

An effective, time-saving
formulation. Barricade® II

As with all crop protection products, read and follow label instructions carefully.

The DuPont Oval Logo, DuPont™, The miracles of science™, Barricade® and Solumax® are registered trademarks or trademarks of E. I. du Pont de Nemours and Company. E. I. du Pont Canada Company is a licensee. Member of CropLife Canada.
© Copyright 2014 E. I. du Pont Canada Company. All rights reserved.



CANOLA YIELDS BY VARIETY 2009–2013†						RISK AREA 12	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
VT500 (RT)	—	—	24	27	1,037	41	3,758
CANTERRA 1990 (RT)	—	—	—	24	2,666	43	3,487
5525 CL (ST)	—	29	22	31	3,737	47	3,295
45H73 (ST)	37	27	27	30	1,663	45	2,816
73-45RR (RT)	—	—	14	27	3,215	40	2,639
45H29 (RT)	—	23	21	29	7,403	50	2,544
5770 (LT)	—	32	27	30	23,641	52	1,114
CANTERRA 1918 (RT)	—	—	—	—	—	38	1,075
5030 (LT)	40	31	23	35	13,398	51	1,042
74-44BL (RT)	—	—	—	—	—	43	970
PIONEER 45S52 (RT)	—	—	22	—	—	42	956
45H28 (RT)	36	27	20	—	—	39	893
CANTERRA 1970 (RT)	—	—	22	32	2,981	41	755
45H75 (CL)	—	—	—	—	—	46	674
45H76 (ST)	—	—	—	—	—	45	576
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						49.0	455,263

SOYBEAN YIELDS BY VARIETY 2009–2013†						RISK AREA 12	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
24-10RY	—	—	38	37	32,230	41	90,695
25-10RY	—	—	31	37	112,640	42	56,555
900Y61	—	—	26	36	38,294	39	41,212
NSC RICHER RR2Y (RT)	—	—	—	38	28,125	43	37,672
THUNDER 32004R2Y	—	—	—	37	11,999	40	37,566
PEKKO R2 (RT)	—	—	—	37	24,151	40	25,388
NSC LIBAU RR2Y	—	—	—	36	19,031	40	22,809
900Y71 (RT)	—	32	25	36	33,678	38	19,785
NSC ELIE RR2Y (RT)	—	—	—	37	42,926	42	19,586
LS004R21	—	—	—	32	10,756	38	18,343
PS 0027RR (RT)	—	—	28	39	5,446	38	15,789
LS 005R22	—	—	32	37	20,945	42	13,725



*Most of us had great
oat yields in 2013.
This field of Souris
averaged 185
bushels/acre*

SOURIS OAT DEALERS

John M. Smith
Agassiz Seed Farm Ltd.
Bergen Seed Farm
Boissevain Select Seeds
Clearview Acres*
Court Seeds*
Darcey Miller*
Durand Seeds Inc.*
Ellis Seeds*
ENS Farm Ltd.*
Fisher Seeds
Friesen Seeds Ltd.*
Gagnon Seed Service*
HB Agro*
Hulme Agri Products Inc.*
James Farms Ltd.
Jeffries Seeds*
L&L Farms
Manness Seeds*
MB Seeds*
Nickel Bros.
Pitura Seed Service*
Pugh Seeds Ltd.*
Redsper Ent.
RJP Seeds
R-Way Ag. Ltd.*
Sask-Can Parent
Seine River Seeds*
Shanawan Farms Ltd.
Smith Seeds*
Southern Seeds Ltd.
Swan Valley Seeds*
Timchishen Seeds
Triple "S" Seeds*
Westman Aerial Spray
Wheat City Seeds
Wilson Seeds Ltd.*
* CONLON Dealers

Seed Depot
Homewood, MB
Sanford, MB
Boissevain, MB
Virden, MB
Plumas, MB
Oakville, MB
Notre Dame, MB
Wawanesa, MB
Winkler, MB
Dauphin, MB
Morris, MB
Ste. Rose Dulac, MB
Killarney, MB
MacGregor, MB
Winnipeg, MB
Glenboro, MB
Altona, MB
Domain, MB
Lowe Farm, MB
Solsgrith, MB
Domain, MB
Portage, MB
Rivers, MB
Carman, MB
St. Claude, MB
St. Joseph
St. Anne, MB
Domain, MB
Crystal City, MB
Minto
Swan River, MB
Arborg, MB
Grandview, MB
Brandon, MB
Brandon, MB
Darlingford, MB

825-2000
745-2868
736-2278
534-6846
748-2666
386-2354
267-2363
248-2268
824-2290
325-4658
622-8800
746-8325
447-2118
523-2464
685-2627
222-8785
827-2102
324-5798
736-2622
746-2187
842-3786
736-2849
274-2179
328-5346
745-3304
379-2582
737-3004
355-4495
736-2951
873-2248
776-2333
734-2526
376-5116
546-2590
763-8998
727-3337
246-2388

**Trusted
SOURIS
Oats**

Heavier • Shorter • Earlier

Trusted & Accepted:

- By all **millers**
- By **farmers** who have grown Souris.

**FOR BEST RESULTS,
USE CERTIFIED SEED.**



Working hard to earn your trust!

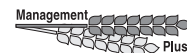
SOYBEAN YIELDS BY VARIETY 2009–2013†						RISK AREA 12	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
24-61 RY(RT)	—	—	—	42	582	43	11,774
LS006R21	—	—	—	38	11,670	42	11,175
OAC PRUDENCE	30	33	22	31	14,225	35	10,788
CHADBURN R2	—	—	29	36	7,456	37	9,924
23-10RY	—	—	—	38	4,789	35	9,561
NSC ANOLA RR2Y	—	—	—	38	1,670	39	9,473
NSC NIVERVILLE RR2Y	—	—	—	—	—	40	9,286
SAMPSA R2	—	—	—	39	4,401	41	9,101
LS003R22	—	—	—	38	6,824	39	6,041
THUNDER 33003R2Y (RT)	—	—	—	—	—	41	4,783
LS 005R21	—	—	—	35	8,905	42	4,541
NSC OSBORNE RR2Y (RT)	—	38	28	35	7,985	42	3,711
NSC RESTON RR2Y	—	—	—	—	—	44	3,553
PRIDE SEEDS EXP003 R2	—	—	—	—	—	37	3,265
90Y71	—	—	—	—	—	35	3,132
NSC BALMORAL RR2Y (RT)	—	—	—	34	9,835	41	2,983
ASTRO R2 (RT)	—	—	—	33	827	43	2,787
LS 006R22	—	—	—	32	2,272	42	2,784
90M01 (RT)	33	33	24	36	11,243	41	2,335
THUNDER 33005R2Y	—	—	—	—	—	45	2,185
900Y81	—	—	26	37	4,991	42	1,895
VITO R2	—	—	—	—	—	37	1,840
GENTLEMAN	24	33	20	—	—	37	1,788
HS 006RYS24	—	—	—	36	2,678	43	1,783
LS 002R23	—	—	—	—	—	41	1,741
PS 0083 R2 (RT)	—	—	—	—	—	41	1,626
90Y01	—	—	—	—	—	42	1,581
PRO 2525R2R	—	—	—	36	1,400	43	1,523
BISHOP R2	—	—	—	—	—	40	1,130
S00-B7	—	—	—	—	—	38	1,092
S00-T9 (RT)	—	—	—	—	—	42	1,064
LS 0045RR (RT)	38	—	—	—	—	38	1,024
LS 007R22	—	—	—	—	—	44	969
90Y61 (RT)	—	—	—	—	—	42	936
HS 006R37 (RT)	—	—	—	—	—	42	910
24-60RY (RT)	—	—	23	—	—	46	866
NSC MOOSOMIN RR2Y	—	—	—	—	—	36	760
LS 0036RR (RT)	26	29	23	31	645	34	670
CURRIE R2	—	—	38	—	—	48	644
25-04R (RT)	35	36	29	44	831	46	618
NSC EXP 1209N R2	—	—	—	—	—	42	590
OAC ERIN	42	36	36	38	548	43	522
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						40.3	563,917

BARLEY* YIELDS BY VARIETY 2009–2013†						RISK AREA 12	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CONLON	77	49	35	74	23,747	96	22,167
CELEBRATION	—	70	56	81	21,267	94	14,553
TRADITION	69	44	31	66	8,431	95	6,571
NEWDAL	71	46	41	76	5,353	93	5,344
CDC AUSTENSON	—	—	—	78	3,130	115	4,954
CDC MINDON	—	31	48	51	3,217	84	2,480
CHAMPION	—	53	47	79	5,448	112	2,088
CDC MEREDITH	—	—	—	—	—	101	1,855
XENA	—	—	—	—	—	121	1,214
CDC COPELAND	63	20	21	56	2,473	81	595
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						96.8	64,178

OATS YIELDS BY VARIETY 2009–2013†						RISK AREA 12	
Variety¶	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
SOURIS	129	94	72	108	60,806	129	45,115
SUMMIT	—	89	58	105	26,472	133	17,614
FURLONG	115	79	63	106	20,161	123	9,412
RONALD	113	86	82	107	17,341	151	8,618
TRIACOTOR	133	111	87	110	22,948	144	5,278
PINNACLE	113	69	48	91	4,059	124	3,333
LEGGETT	112	67	70	93	10,868	118	2,747
RIEL	107	50	46	106	2,968	102	947
AC ASSINIBOIA	123	66	61	87	3,150	85	746
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						130.7	95,841

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
§ Weighted Average Yield and Total Acreage include acres not reported in the table.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
* Assuming 48 lbs./bu.





The Next Generation.

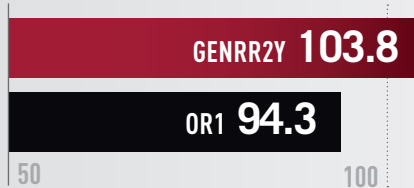
Soybean technology that changes everything.

More beans per pod, more bushels per acre. That's what you can expect from Genuity® Roundup Ready 2 Yield® soybeans, the next generation of the trait technology you trust for safe, simple, dependable weed control.

Genuity® Roundup Ready 2 Yield® soybeans are the natural choice for growers who want game-changing technology that will be the foundation for future Genuity® innovations, such as dicamba-tolerant soybeans.

Manitoba Pulse Field Grower Assoc. 2012 field trials: Genuity® Roundup Ready 2 Yield® soybean varieties outperform all Original Roundup Ready® varieties*

9.5%
yield advantage



GENRR2Y = Genuity® Roundup Ready 2 Yield®
OR1 = Original Roundup Ready Soybean

Why Certified Seed makes sense:

Certified seed means better quality seed, new marketing opportunities, and access to new varieties that are bred for success. It's one of your farm's best management tools.

Certified seed means†:

- Varietal purity
- Guaranteed quality assurance
- Today's most advanced traits
- Clean seed with minimal weed seeds and other matter
- Assurance to grain buyers that you're delivering what you say



* Source: Manitoba Pulse Grower Association 2012 field trials † http://www.seedgrowers.ca/pdfs/top_10.pdf

Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity and Design®, Genuity®, Roundup Ready 2 Yield®, Roundup Ready® and Roundup® are trademarks of Monsanto Technology LLC, Monsanto Canada, Inc. licensee. ©2014 Monsanto Canada Inc.

CORN YIELDS BY VARIETY 2009–2013†							RISK AREA 12	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER 39D97 (BT)(LT)(RT)	31	124	103	133	31,137	150	37,822	
PIONEER 39D95 (RT)	27	113	99	128	37,373	140	36,265	
PIONEER P7443R (RR)	—	—	93	127	25,235	141	22,398	
PIONEER 39V05 (RT)	—	—	127	140	10,807	152	21,955	
DEKALB DKC30-07 (RT)	—	—	—	—	—	154	6,753	
DEKALB DKC26-28RIB (RT)	—	—	—	—	—	144	6,698	
PIONEER 39V07 (BT)(LT)(RT)	—	—	119	145	651	161	6,076	
DEKALB DKC 27-54	—	—	—	123	5,480	136	4,543	
PIONEER 39Z69 (BT)(RT)	25	128	104	128	6,490	141	3,448	
LEGEND LR9975R (RT)	—	133	89	119	3,014	134	3,204	
DEKALB DKC 27-55 (LT)(RT)	—	—	—	—	—	144	2,224	
DEKALB DKC 30-23	—	—	113	142	2,145	155	2,182	
P7632HR (BT)(RT)	—	—	—	—	—	146	2,136	
HYLAND 3093 (RT)	—	—	—	—	—	135	2,083	
PIONEER 39B94 (BT)(LT)(RT)	38	121	99	123	3,454	137	2,041	
MAIZEX MZ 1261BR (BT)(RT)	—	—	—	120	1,003	132	1,658	
A4631G2 RIB (RT)	—	—	—	—	—	145	1,443	
PIONEER P7213R (RT)	49	97	84	117	4,433	137	1,378	
HYLAND HL 3085 (RT)	—	—	—	129	750	137	902	
DEKALB DKC26-79(RT)	37	118	96	120	8,998	139	880	
PRIDE A4176 (BT)(RT)	35	114	79	99	734	148	871	
LR 9074 RB	—	—	—	—	—	145	773	
PRIDE A4023 (BT)(RT)	—	—	—	—	—	126	752	
PRIDE A4240RR	—	—	67	110	1,997	119	536	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						144.9	173,573	



Speaking of crops...

Join Crop Chatter.

Are you dealing with issues in managing disease, insects, harvesting or storage?

If you are looking for advice, look no further than CropChatter.com. You can ask questions, post photos or just share your crop-management problems – and solutions – with other farmers.

Visit CropChatter.com today and be part of the conversation.



Unbiased crop management advice
www.cropchatter.com

- Receive updates when new information is posted.
- See something you can't identify? Post a photo and Crop Chatter's team of experts can help. The answer will be shared with others.
- Add your thoughts and share your solutions with fellow farmers.

DRY BEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 12	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
WINDBREAKER (PINTO)	1,735	1,658	2,041	2,026	33,350	2,321	24,661	
ECLIPSE (BLACK)	1,512	1,462	1,806	1,850	8,194	2,033	6,286	
PINK PANTHER (KIDNEY)	1,556	1,323	1,261	1,722	1,400	2,229	2,065	
PINK FLOYD (OTHER)	—	—	—	—	—	2,081	1,665	
T9903 (WHITE PEA)	1,797	1,177	1,574	1,828	2,306	2,447	1,047	
WHITE MOUNTAIN (PINTO)	—	—	—	—	—	1,409	820	
ROG 312 (OTHER)	—	—	—	—	—	1,960	642	
T9905 (WHITE PEA)	—	1,788	—	2,064	2,137	2,469	537	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						2187.5	43,777	

FLAX YIELDS BY VARIETY 2009–2013†							RISK AREA 12	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
HANLEY	25	15	11	15	6,280	31	3,308	
CDC SORREL	27	17	13	14	6,836	34	2,666	
CDC BETHUNE	24	15	10	15	7,469	27	2,091	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						30.5	9,205	

SUNFLOWER YIELDS BY VARIETY 2009–2013†							RISK AREA 12	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
P63ME70 (O)	—	—	—	—	—	2,892	6,127	
SEEDS2000 6946 DMR (C)	—	1,160	1,556	2,579	2,584	2,630	5,656	
PIONEER 63N82 (O)	—	974	1,263	2,282	3,684	2,130	2,297	
SEEDS2000 JAGUAR DMR (C)	—	—	—	—	—	2,297	2,150	
SEEDS2000 6946 (C)	1,250	869	1,521	2,531	1,366	2,621	1,246	
RH400CL (C)	—	—	—	—	—	1,609	1,165	
8N270CLDM (O)	—	—	1,733	2,410	2,763	2,535	960	
SEEDS2000 FALCON (O)	—	—	1,671	1,489	2,346	954		
CHS RH 400CL (CL) (C)	—	—	—	2,425	1,789	1,629	880	
DAHLGREN D-9530 (C)	—	—	—	—	—	2,524	658	
MYCOGEN 8N270 (MO) (O)	1,442	—	1,312	1,986	1,630	2,110	545	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						2461.7	25,272	

FIELD PEA YIELDS BY VARIETY 2009–2013†							RISK AREA 12	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
AGASSIZ	—	36	—	45	2,074	63	1,329	
CDC STRIKER	38	13	18	37	1,520	45	1,033	
CDC MEADOW	—	—	—	—	—	63	558	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						55.9	3,910	

RISK AREA 14

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 14	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CDC FALCON (W)	49	52	62	70	25,072	70	32,191	
GLENN (RS)	41	27	49	54	15,121	58	19,423	
CARBERRY (RS)	—	—	—	48	3,807	54	13,307	
KANE (RS)	31	23	43	45	10,233	52	5,635	
CDC STANLEY (RS)	—	—	—	—	—	59	3,187	
AC DOMAIN (RS)	26	24	46	51	4,338	58	2,679	
PASTEUR (GP) (F)	—	—	—	—	—	78	2,488	
FALLER (F)	—	—	54	—	—	77	2,484	
AC BARRIE (RS)	29	23	39	43	3,104	58	1,930	
5602HR (RS)	28	21	38	42	1,016	47	1,443	
CDC ALSASK (RS)	—	21	50	53	1,868	57	860	
WR 859 CL (RS)	—	—	—	—	—	41	633	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						62.3	88,080	

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 14	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
INVIGOR L150 (LT)	—	—	30	21	16,977	45	10,114	
INVIGOR L130 (LT)	—	—	26	18	10,194	44	7,477	
5440 (LT)	31	18	28	26	15,617	50	6,273	

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
§ Weighted Average Yield and Total Acreage include acres not reported in the table.
‡ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
* Assuming 48 lbs./bu.



A photograph of two men standing in a lush green cornfield. The man on the left is wearing a light blue button-down shirt and blue jeans. The man on the right is wearing a dark blue polo shirt. They are both looking towards the right side of the frame. The corn plants are tall and healthy, with bright green leaves. The sky is a clear, bright blue with some light clouds. The sun is visible in the upper left corner, creating a lens flare effect.


ALL OF OUR SEED IS FIELD-TESTED.
JUST LIKE OUR REPS.



Your Pioneer Hi-Bred sales representative is out there every day, working the same ground you are. Which gives them the unique expertise needed to recommend the right seed for your acres. They know your weather, your soil conditions and your challenges because they've faced them too. It's this type of deep knowledge that makes the DuPont Pioneer team both industry leaders and trusted local advisors. Talk to your local Pioneer Hi-Bred sales representative or visit pioneer.com for more information.

Our experts are grown locally

Pioneer® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents.
The DuPont Oval Logo is a registered trademark of DuPont.
®, TM, SM Trademarks and service marks licensed to Pioneer Hi-Bred Limited. © 2013, PHL.

 [@PioneerWCanada](https://twitter.com/PioneerWCanada)

CANOLA YIELDS BY VARIETY 2009–2013†							RISK AREA 14	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
INVIGOR L159 (LT)	—	—	—	21	1,166	42	4,522	
INVIGOR L120 (LT)	—	—	—	21	1,073	41	3,291	
2012CL (ST)	—	—	—	20	3,887	48	1,553	
VT500 (RT)	—	—	28	18	2,230	42	1,275	
2016 CL	—	—	—	—	—	41	1,156	
46H75 (ST)	—	—	—	—	—	41	875	
VR 9560 CL (ST)	—	—	—	22	696	35	758	
L156H (LT)	—	—	—	—	—	50	745	
73-75 RR (RT)	—	—	—	—	—	39	701	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							43.9	43,087

SOYBEAN YIELDS BY VARIETY 2009–2013†							RISK AREA 14	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
24-10RY	—	—	—	39	3,915	36	16,645	
LS004R21	—	—	—	42	12,943	37	12,805	
THUNDER 32004R2Y	—	—	—	39	1,765	35	12,732	
23-10RY	—	—	—	—	—	32	9,689	
900Y61	—	—	—	37	4,684	33	9,357	
OAC PRUDENCE	26	21	23	29	9,707	32	8,956	
LS003R22	—	—	—	40	4,959	39	7,256	
900Y71 (RT)	—	—	26	37	8,347	39	6,100	
25-10RY	—	—	28	45	11,842	40	5,309	
CHADBURN R2	—	—	—	40	871	34	4,249	
PEKKO R2 (RT)	—	—	—	32	2,930	35	3,903	
THUNDER 33003R2Y (RT)	—	—	—	—	—	37	3,189	
NSC ANOLA RR2Y	—	—	—	—	—	34	2,472	
NSC ELIE RR2Y (RT)	—	—	—	41	1,825	37	1,952	
NSC LIBAU RR2Y	—	—	—	38	7,316	36	1,752	
GENTLEMAN	27	30	24	42	1,854	35	1,665	
LS 002R23	—	—	—	—	—	36	1,650	
HS 006RYS24	—	—	—	44	2,640	37	1,085	
24-61 RY(RT)	—	—	—	—	—	37	1,005	
NSC BALMORAL RR2Y (RT)	—	—	—	38	2,968	42	868	
NSC RICHER RR2Y (RT)	—	—	—	41	965	42	600	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							35.4	120,709

BARLEY* YIELDS BY VARIETY 2009–2013†							RISK AREA 14	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CHAMPION	—	—	71	45	5,717	98	2,320	
CONLON	55	28	52	34	1,436	78	1,790	
CELEBRATION	—	—	63	56	885	78	1,293	
TRADITION	44	19	28	46	709	78	534	
NEWDALE	—	—	—	36	766	54	510	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							81.8	6,962

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

OATS YIELDS BY VARIETY 2009–2013†							RISK AREA 14	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
FURLONG	65	46	62	82	7,567	89	4,784	
SOURIS	—	63	78	77	4,727	95	4,221	
SUMMIT	—	—	80	87	3,853	109	2,740	
AC ASSINIBOIA	64	26	52	67	1,822	77	1,518	
LEGGETT	73	44	60	68	3,101	86	1,486	
ROBERT	28	11	—	66	786	25	787	
RONALD	64	47	65	52	2,538	51	748	
TRIACTOR	—	—	84	83	1,682	114	610	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							88.1	17,708

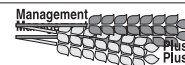
CORN YIELDS BY VARIETY 2009–2013†							RISK AREA 14	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER 39D95 (RT)	21	81	86	114	6,781	136	8,147	
PIONEER 39D97 (BT)(LT)(RT)	22	90	91	116	3,881	157	6,089	
PIONEER P7443R (RR)	—	—	78	105	3,702	135	3,019	
PIONEER 39V05 (RT)	—	—	—	113	826	171	613	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							144.2	22,051

FLAX YIELDS BY VARIETY 2009–2013†							RISK AREA 14	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
HANLEY	18	8	12	11	3,024	29	1,174	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							26.3	1,319

SUNFLOWER YIELDS BY VARIETY 2009–2013†							RISK AREA 14	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
PIONEER 63N82 (O)	—	—	—	2,189	1,566	2,280	895	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							2579.1	2,656

RISK AREA 15

WHEAT YIELDS BY VARIETY 2009–2013†							RISK AREA 15	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres	
CARBERRY (RS)	—	—	—	43	7,518	59	20,674	
CDC FALCON (W)	—	42	61	58	18,897	54	16,256	
FALLER (F)	—	—	—	54	2,733	70	10,345	
GLENN (RS)	20	19	34	41	9,177	58	7,821	
AC BARRIE (RS)	27	16	34	39	6,745	49	4,134	
KANE (RS)	22	20	32	40	1,886	51	2,308	
CDC STANLEY (RS)	—	—	—	—	—	62	1,854	
PASTEUR (GP) (F)	—	—	—	—	—	79	1,803	
5603 HR (RS)	—	—	33	32	1,995	42	1,518	
AC DOMAIN (RS)	27	21	36	44	864	61	1,156	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							58.2	73,332





Introductory Offer

\$150.00 per bag for Profit Ready
Non-GMO De Dell Seed Corn.

Our performance will bring you back for more!

This limited time "Introductory Offer" is only available until New Year's Eve!

Happy New Year!

from De Dell Seeds

697 Valetta St., London, ON, N6H 2Z7
P: (519) 473-6175 F: (519) 473-2970 www.dedellseeds.com

De Dell Seeds

Trait Stewardship Responsibilities – Notice to Farmers

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

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Acceleron® seed treatment technology for corn is a combination of four separate individually-registered products, which together contain the active ingredients metalaxyl, trifloxystrobin, ipconazole, and clothianidin. Acceleron® seed treatment technology for canola is a combination of two separate individually-registered products, which together contain the active ingredients difenoconazole, metalaxyl (M and S isomers), fludioxonil, thiamethoxam, and *Bacillus subtilis*. Acceleron and Design®, Acceleron®, DEKALB and Design®, DEKALB®, Genuity and Design®, Genuity Icons, Genuity®, RIB Complete and Design®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup Transorb®, Roundup WeatherMAX®, Roundup®, SmartStax and Design®, SmartStax®, Transorb®, VT Double PRO®, YieldGard VT Rootworm/RR2®, YieldGard Corn Borer and Design and YieldGard VT Triple® are trademarks of Monsanto Technology LLC. Used under license. LibertyLink® and the Water Droplet Design are trademarks of Bayer. Used under license. Herculex® is a registered trademark of Dow AgroSciences LLC. Used under license. Respect the Refuge and Design is a registered trademark of the Canadian Seed Trade Association. Used under license. ©2013 Monsanto Canada Inc.



Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Monsanto Technology Stewardship Agreement that you sign by opening and using a bag of seed, you are confirming your obligation to comply with the most recent stewardship requirements.





Liberty®

Unsung hero.

Mentor, trusted advisor, and the mainstay of the operation, he is also their forefather, uncle and friend. Within the next generation of the family, he has instilled a strong work ethic and taught them the rewards of perseverance.

Just as Liberty® has paved the way for every top performing InVigor® hybrid for over 17 years*. Because powerful Liberty herbicide is the backbone of the LibertyLink® system and together, they're partners.



Bayer CropScience

Pat Goodman,
SWAN RIVER, MB

BayerCropScience.ca/Liberty or 1 888-283-6847 or contact your Bayer CropScience representative.

Always read and follow label directions. InVigor®, Liberty® and LibertyLink® are registered trademarks of the Bayer Group.
Bayer CropScience is a member of CropLife Canada.

*Source: 1996 – 2012 WCC/RRC trials

C-61-01/14-BCS13105-E

CANOLA YIELDS BY VARIETY 2009–2013†						RISK AREA 15	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
1012RR (RT)	—	—	—	31	10,652	41	16,661
5440 (LT)	29	13	25	25	6,306	48	6,896
VT500 (RT)	—	—	19	23	6,738	35	6,608
INVIGOR L130 (LT)	—	—	25	25	13,687	47	5,632
73-75 RR (RT)	—	—	—	26	1,353	45	4,074
INVIGOR L120 (LT)	—	—	—	23	5,169	46	3,926
PIONEER 45S54 RR (RT)	—	—	—	—	—	37	3,168
INVIGOR L154 (LT)	—	—	—	35	1,799	50	2,743
INVIGOR L159 (LT)	—	—	—	—	—	46	2,734
45H29 (RT)	—	11	23	31	3,118	44	2,643
INVIGOR L150 (LT)	—	—	23	25	18,333	45	2,299
VR 9560 CL (ST)	—	—	—	22	1,999	44	1,367
2012CL (ST)	—	—	—	25	9,386	33	1,120
VR 9559 G (RT)	—	—	—	—	—	34	849
CANTERRA 1990 (RT)	—	—	—	—	—	41	803
73-45RR (RT)	—	—	24	23	605	39	667
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						41.9	70,096

SOYBEAN YIELDS BY VARIETY 2009–2013†						RISK AREA 15	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
PEKKO R2 (RT)	—	—	—	36	5,125	34	7,452
23-10RY	—	—	—	—	—	35	6,821
THUNDER 32004R2Y	—	—	—	—	—	34	6,651
900Y61	—	—	—	34	4,786	31	6,188
NSC LIBAU RR2Y	—	—	—	36	5,967	31	3,143
24-10RY	—	—	—	—	—	39	2,271
NSC ANOLA RR2Y	—	—	—	33	2,761	32	1,676
THUNDER 33003R2Y (RT)	—	—	—	—	—	36	1,354
LS 002R23	—	—	—	—	—	33	1,251
NSC RESTON RR2Y	—	—	—	—	—	36	1,177
LS004R21	—	—	—	31	2,233	32	892
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						32.0	49,608

TAKE YOUR AG NEWS, PLEASE

Stay up to date on the latest ag news, market stats, livestock numbers and weather with the complete set of apps from **AGReader Mobile**.

It's all the great content and regional insight you'd find in the ag titles you know, in a convenient digital format. Stay effortlessly informed on all the news and data that matters to you – on your phone.



- ▶ Set your local weather
- ▶ Set subjects relevant to your farm
- ▶ Set notices on the futures contract prices of your choice
- ▶ **FREE to Download** – scan the code below to download now
- ▶ Available for Android, iPhone and Blackberry smartphones
- ▶ Visit agreader.ca to download the apps

Standard text messaging rates apply.

Sponsored by   



Manitoba Co-OPERATOR **MOBILE**  **Cattlemen MOBILE**

AlbertaFarmer **MOBILE**  **Grainnews MOBILE**

CountryGuide **MOBILE**  **AGReader MOBILE network**

BARLEY* YIELDS BY VARIETY 2009–2013†						RISK AREA 15	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
CHAMPION	—	23	49	52	2,807	104	4,217
CONLON	25	20	37	48	4,165	74	2,317
CDC AUSTENSON	—	—	—	—	—	94	1,410
TRADITION	57	13	—	51	1,489	71	992
CDC COWBOY	62	—	—	—	—	50	711
ROBUST	39	—	—	39	1,316	64	517
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						83.5	11,892

OATS YIELDS BY VARIETY 2009–2013†						RISK AREA 15	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
SOURIS	—	56	76	73	6,765	94	7,423
SUMMIT	—	—	69	75	2,588	86	3,487
PINNACLE	62	33	58	66	4,591	91	1,473
TRIACTOR	—	—	89	84	2,439	105	575
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						88.6	17,495

FIELD PEA YIELDS BY VARIETY 2009–2013†						RISK AREA 15	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
AGASSIZ	—	—	—	46	1,005	56	1,266
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						60.0	1,676

RISK AREA 16

WHEAT YIELDS BY VARIETY 2009–2013†						RISK AREA 16	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
HARVEST (RS)	54	40	35	24	9,386	28	10,161
CDC UTMOST (RS)	—	—	—	29	1,232	32	5,694
AC DOMAIN (RS)	55	45	41	28	4,238	28	2,619
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						30.5	21,938

CANOLA YIELDS BY VARIETY 2009–2013†						RISK AREA 16	
Variety‡	2009 Yield	2010 Yield	2011 Yield	2012 Yield	2012 Acres	2013 Yield	2013‡ Acres
INVIGOR L130 (LT)	—	—	19	18	7,283	17	5,169
L156H (LT)	—	—	—	—	—	15	2,534
5440 (LT)	44	37	27	22	3,403	30	2,313
1012RR (RT)	—	—	—	—	—	14	2,160
VT500 (RT)	—	—	23	19	3,424	18	1,944
INVIGOR L120 (LT)	—	—	—	27	1,795	9	1,877
INVIGOR L159 (LT)	—	—	—	—	—	20	1,210
2012CL (ST)	—	—	—	21	1,828	18	762
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						17.5	24,215

ADDITIONAL CHARACTERISTICS KEY

WHEAT

- (D) Durum
- (ES) Extra Strong
- (F) Feed
- (HWS) Hard White Spring
- (PS) Prairie Spring
- (RS) Red Spring
- (W) Winter

SUNFLOWER

- (C) Confectionary
- (O) Oilseed

CANOLA & SOYBEAN

- (LT) Liberty Link (LL)- (Glufosinate Ammonium); Invigor varieties
- (ST) Pursuit Smart, Odyssey (Imazethapyr) (~IMI) ; Clearfield varieties
- (RT) Roundup Ready - (Glyphosate Tolerant)
- (BT) Compas (Bromoxynil) Tolerant (BX), Navigator Varieties
- (TT) Triazine Tolerant

CORN

- (LT) Liberty Link (LL)- (Glufosinate Ammonium); Invigor varieties
- (ST) Pursuit Smart, Odyssey (Imazethapyr) (~IMI) ; Clearfield varieties
- (RT) Roundup Ready - (Glyphosate Tolerant)
- (BT) Contains Bacillus thuringiensis (Bt) insecticidal protein
- (TT) Triazine Tolerant

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ‡ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 7, 2014;
 * Assuming 48 lbs./bu.



Business Directory

Please support our advertisers by contacting these fine companies for all your seed needs.

**Armstrong
Seeds Ltd**
Pedigreed Seed Sales
AJ Armstrong
Boissevain, MB, 204-534-2566

CEREALS • OILSEEDS • SOYBEANS
CUSTOM TREATING WITH USC TREATER



Adam McKnight
Cell: 204.771.2595

Bud McKnight
Cell: 204.745.8707

Jason Voogt
Cell: 204.750.3772

Homewood, Manitoba Office: 204.745.2310

Confection Sunflower Hybrids



FOR ALL YOUR PEDIGREED SEED NEEDS
FRED GREIG 204-877-3813



BOX 25
DUFROST, MANITOBA
ROA OK0
Bus.: 204-347-5588
Fax: 204-347-5890
E-mail: info@catellierseed.com



GLEN Cell: 746-0123
PATRICK Cell: 746-4546
Res: 204-347-5503

PEDIGREED SEED GROWER/PROCESSOR

**Better seed in
so many weighs**
www.pioneer.com

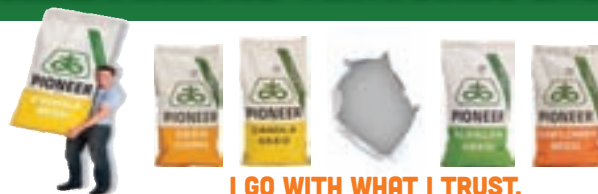


B.B.F. Enterprises Ltd
Allan Calder
Letellier Manitoba
204-737-2605



The DuPont Oval Logo is a registered trademark of DuPont.
©, TM, SM Trademarks and service marks licensed to Pioneer Hi-Bred Limited. © 2012 PHL.

CHAPPELL AG VENTURES INC.



I GO WITH WHAT I TRUST.

Hamiota, MB 204-764-2844
Barry 365-7571 • Randy 365-7388

www.chappellseeds.ca



Adam McKnight
Cell: 204.771.2595

Bud McKnight
Cell: 204.745.8707

Jason Voogt
Cell: 204.750.3772

Homewood, Manitoba Office: 204.745.2310

• Seed Corn • Soybeans and Inoculants • Confection and Oil Sunflowers • Canola •
Alfalfa • Silage • Forage Inoculants • Winter Wheat • Turf Grass • Hay Blends •
Precision Trailers • Seed Tenders and Belt Conveyors • Portable Grain Moisture Tester

**CLEARVIEW
ACRES LTD.**

Walter Heaman & Sons

Ph: 204-748-1354

Virden, MB

dheaman@rfnw.com

MASTIN SEEDS



SeCan



Court Seeds

Certified Seed

Quality Cereals, Oilseeds and Specialty crops
State-of-the-Art Seed Cleaning Plant
Agronomy Services
30 Years of Customer Service

COURT SEEDS & GREENHOUSES
PO Box 280 Plumas, MB RoJ 1Po
204-386-2354 courtseeds@gmail.com



SINCE 1943

An
independent
retailer for
independent
producers

Faurschou Farms Ltd.

1-888-GLENLEA (1-888-453-6532)

PEDIGREED SEED CENTRE
Production, Processing & Marketing

SEED PROTECTION CENTRE
Custom Seed Cleaning & Treating

Phone: 1-204-274-2159

E-mail: faurschou@mts.net

RR 4, Box 5, Portage la Prairie, MB R1N 3A4

SeCan



Brett Young



Dauphin Plains Seeds Ltd.

Dauphin, MB

Jim Kaleta - Ph: (204) 638-7800

Wheat Seed Varieties: Carberry - Glenn - Cardale



Manitoba Distributor for CRS-1 Hemp Seed



FISHER SEEDS LTD.

Rod Fisher
R.R. #5, Comp. 111
Dauphin, MB R7N 2T8

Phone: 204-622-8800

Fax: 204-622-8809

Email: rod@fisherseeds.com

www.fisherseeds.com

- Special Crop Contracting
- Pedigreed Seed Sales
- Soybean Seed Sales & Treating (Pekko & Moosomin varieties)
- Industrial Hemp Planting Seed
- Grain Roasting / Sterilization
- Industrial Hemp Processing

ELLIS SEEDS

TOLL FREE: 1-800-463-9209
PHONE: 1-204-824-2290

Warren Ellis: 1-204-730-0430

Email: ellisseeds@mts.net

Box 208, Wawanesa MB R0K 2G0

Fax: 1-204-824-2198 • Website: www.ellisseeds.com

Buyers, Processors & Marketers of Pedigreed Seeds.

FRIESEN
SEEDS LTD.

Rick Friesen

Kevin Rempel

Box 308, Rosenort, MB R0G 1W0

Ph.: (204) 746-8325 Fax: (204) 746-8039

E-mail: rick@friesenseeds.ca

kevin@friesenseeds.ca

www.friesenseeds.ca

SELECT SEED GROWERS



(Situated in the village of Reinland)

Sellers of Pedigreed Seeds Since 1942

- Wheat
- Soybeans
- Oats
- Corn
- Edible Beans
- Forage Seeds

Ens Quality Seed

RR 1, Box 218, Winkler, MB R6W 4A1

Phone 325-4658 • Fax 325-4985 • E-mail: info@ensfarmsltd.com



SeCan



GAGNON
SEED SERVICE LTD.

"We are here for you"

A.D. (ART) GAGNON
Email: gagnonseed@goinet.ca
TEL (204) 447-2118

R.R. 2, STE. ROSE DU LAC
MANITOBA, R0L 1S0
FAX (204) 447-3252



FarmChem

Servicing the agriculture industry since 1974

204-781-2336

BRAD GOOSSEN

brad.goossen@farmchem.com

National Account Manager

www.farmchem.com

SEED TREATING EQUIPMENT

GARRATT
INDUSTRIES LTD.

BOX 475, Milestone, Sask., Canada S0G 3L0

Phone (306) 436-2178 Fax (306) 436-4647

Grain Processing & Seed Cleaning Equipment

Gravity Tables • Air Screen Machines • Vibratory Feeder • Destoners

www.garrattindustries.com

GERRARD FAMILY SEEDS

Jody Gerrard

gerrardj@mymts.net

PH: 204-365-0321 • FAX: 204-759-2213

Box 87 Elphinstone, MB R0J 0N0

J.S. Henry & Son Ltd.

CONTACTS

Cam Henry
204-365-7410

Eric McLean
204-365-7412

Marnie McLean
204-365-7702

Box 67 Oak River, MB R0K 1T0

Phone: 204-566-2422

Fax: 204-566-2148

Email: jshenry@inetlink.ca

*Bulk Seed, Soybeans, Canola, Corn & Forages
Custom Seed Treating And Inoculating*



HERMANN & HEIKE BRINKSCHULTE

Box 1870, Killarney, MB R0K 1G0

Email: info@hb-agriseed.ca

Website: www.hb-agriseed.ca

Phone: 204-523-7464

Fax: 204-523-7066

Cell: 204-215-2522



MARK KEATING

BOX 820, RUSSELL, MANITOBA

CANADA R0J 1W0

TEL: (204) 773-3854

SMS: (204) 773-6853

EMAIL: KEATINGSEEDS@GMAIL.COM



Box 59, R.R. 1
Morris, Manitoba
R0G 1K0
Canada

PEDIGREED SEED GROWER / SEED SALES

Buyer, processors & exporter of special crops

Soybean & Corn Dealer

Thunder Seeds

Legend Seeds

Ph: 204-746-2026

Fax: 204-746-2343

Email: sales@horizonagro.com

Website: www.horizonagro.com

Knight Seeds

Hamiota, MB

Cereals – Oilseeds – Pulses

Seed Treating – Custom Cleaning

Meridian & Grain Max Bin Dealer



Tel: 204-764-2450

Fax: 204-764-2527



David James
President

James Farms LTD.
For the Seed You Need

Box 16 Group 620 S.S. 6

Winnipeg, Manitoba

Canada R2C 2Z3

Phone 1.204.222.8785 • Toll Free 1.866.283.8785

Fax 1.204.222.0076 • E-mail djames@jamesfarms.com



Krym Farms Ltd.

**High Capacity with Precision
Detail Cleaning & Seed Sales**

4 miles West of Winnipeg

Box 56 Rosser, MB R0H 1E0

**Phone 1-204-467-5143 Office
1-204-955-5562 Cell**



Brett Young

Your corn and soybean specialists
Call 829-7749
Growers, Processors, and Retailers

Load Line
MANUFACTURING INC.

**Ph: 204.325.4798
Fax: 204.325.4055
Cell: 204.325.6231**



TRUCK SALES • GRAIN BOXES • GRAVEL BOXES • GRAVEL TRAILERS



Matt & Bertha Sawatzky

MB SEEDS Ltd.

Box 217 Lowe Farm, MB R0G 1E0

Phone: (204) 746-2187

Fax: (204) 746-2337

Email: mbseeds@sdnet.ca

Seed Cleaning & Sales / Soybeans / Oilseed / Cereals & Seed Treatment



New Generation – New Genetics

JEFF ASKIN

Phone: (204) 274-2370

Fax: (204) 274-2740

Cell: (204) 856-3483

E-mail: jeffaskin@prairie.ca

RAY ASKIN

Phone: (204) 274-2417

Fax: (204) 274-2740

Cell: (204) 856-6475

E-mail: rayaskin@mts.net

R.R. #4, Box 9, Portage la Prairie, MB, R1N 3A4

Complete Customer Satisfaction is our Goal!



**MARC HUTLET
SEEDS LTD.**

Independent Sales Representative for
Pioneer® brand products



Seed Corn, Soybeans, Sunflowers, Canola, Alfalfa, Inoculants

Box 3023

Steinbach, Manitoba R5G 1P4

204-422-5805 Res

204-326-7104 Cell

204-422-8825 Fax

Marc.Hutlet@plantpioneer.com



**Pitura
SEEDS**

CALVIN PITURA

TOM GREAVES

DOMAIN, MB R0G 0M0 PH. (204)736-2849 FAX (204)736-2838

www.pituraseeds.ca

The Hope of the Harvest Begins with the Seed



Darcy Miller

Pedigreed Seed Sales & Services

Plant: 204-267-2363 • Cell: 204-871-2207 • Fax: 204-267-2232

Box 83 • Oakville, MB R0H 0Y0 • Email: darcy@milleragritec.ca



Pugh Seeds Ltd.

Pedigreed Seed Growers Processor

Plant Office 204-274-2179

• Bill Pugh: Cell 204-871-1467

• Barry Pugh: Cell 204-872-1851

• Plant FAX 204-252-2424

Box 32 RR 4 • Portage La Prairie, MB R1N 3A4



**Nadeau
Seeds Inc**

BRIAN NADEAU • RICK KRAHN

www.nadeauseeds.ca

Box 40, Fannystelle, MB | R0G 0P0 | Phone: (204) 436-2469

R-WayAg

Proven, Reliable, Progressive.

• Pedigreed Seed Sales • Processing, Retail

Guy Rouire

Cell: 745-8425

Guy Labossiere

Cell: 750-2292

www.rwayag.com

Toll Free # 866-398-9643

Box 388, St. Claude, MB R0G 1Z0



204-825-2000

www.seeddepot.ca

New "Straight Cut"

CARDALE

"More Wheat...Less Shatter"

"More Protein...Less Fusarium"



We would like to
provide complimentary
cardale seed to CFCB
growing projects



**YOUR PROFESSIONAL
SEED PARTNER**



ROB PARK
204-745-0088
SHERRY WOODS
204-750-1462
CARMAN, MB

SIERENS SEED SERVICE

**SEED GROWERS, PROCESSORS, RETAILERS
& CROP PROTECTION PRODUCTS**

Call: Joe or Chris Somerset, Manitoba
Phone: 204-744-2883 Fax: 204-744-2429

Seed Depot Corp

4-5 Londesboro Road, Box 208, Pilot Mound, MB R0G1P0



John M. Smith
President & CEO
Ph: 204-825-2000
Fax: 204-825-2758
john@seeddepot.ca

"Working hard to earn your trust"

SISSONS FARMS LTD.

Pedigreed Seed Growers & Processors of wheat and dry edible beans

Portage la Prairie MB
1-204-857-7341
sissons@mymts.net



TRADITION • CELEBRATION

SEED-EX Inc.

Malt contracts available for 2014/2015

P.O. Box 238, Letellier, MB R0G 1C0
Phone 204-737-2000 Fax 204-737-2102
Email roger@seed-ex.com



jeromy rempel
sales

ph: 204-371-2898 • email: southeastseeds@mts.net
Box 40005, Steinbach, Manitoba R5G 0N8

SEINE RIVER SEED FARM
PEDIGREED SEED GROWERS



BRIAN DUECK



R.R. 1, BOX 0-A, STE. ANNE, MB R5H 1R1



Cell: (204) 371-7700 • Email: srsfarm@live.com



Unger Seed Farm Ltd.

GROWER / PROCESSOR / CERTIFIED SEED
FORAGE SEEDS / FRIESEN HOPPER BINS

Ron Unger

Darcy Unger

CEL: (204) 461-0051

CEL: (204) 794-6446

PHONE: (204) 467-8630 FAX: (204) 467-9560

E-MAIL: ungerseed@highspeedcrow.ca

BOX 471, STONEWALL, MANITOBA R0C 2Z0

New Faller* & Prosper* *"Yield with Value"*

These are high yielding US wheat varieties with slightly lower protein. This extra yield with no current protein premiums available have made FALLER & PROSPER work very well for US farmers.

FALLER & PROSPER are unregistered and prior to registration, certified seed can only be sold for I.P. contracts (Seeddepot.ca). Once registered, we anticipate partnering with our dealers to make FALLER and PROSPER more available to you.

Until then, thank you for your patience with us.

John M. Smith

"Tomorrow's Opportunity...Today"



204-825-2000
www.seeddepot.ca

ADVERTISER INDEX

AgriCard	42
Alliance Seed Corporation	48
Armstrong Seeds Ltd.	69
Avondale Seed Farm Ltd.	69
BASF	4, 43, 61, 75
Bayer CropScience.....	38,39, 67
BBF Enterprises Ltd.	69
BrettYoung	25
Bud McKnight.....	69
Cargill	57
Catellier Seed Service	69
Chappell Seeds	69
Clearview Acres Ltd.	69
Courts Seeds & Greenhouses	70
Crop Production Services	13, 52, 60
Dauphin Plains Seed Ltd.	70
De Dell Seeds	66
Delmar Commodities Ltd.	47
Dow AgroSciences	7
Dupont	53, 65, IFC
Ellis Seeds	70
Ens Quality Seed.....	70
Farm Chem	70
Faurschou Farms Ltd.	70
Fisher Seeds Ltd.	70
Friesen Seed Ltd.	70
Gagnon Seed Service Ltd.....	70
Garratt Industries Ltd.	70
Gerrard Family Seeds	71
Graham Seed Treating Systems	36
HB AgriSeed Ltd.	71
Horizon Agro	71
Hyland Seeds	23
Intel Seeds	44
James Farms Ltd.	71
Janzen Seeds Ltd.	71
J.S. Henry & Sons Ltd.	71
Keating Seed Farms Inc.	71
Knight Seeds	71
Krym Farms Ltd.	71
Legumex Walker	56, 71
Lewis M Carter	19
Load Line Manufacturing Inc.	71
MB Seeds	72
Marc Hutlet Seeds Ltd.....	72
Miller Agritec Inc.	72
Monsanto Canada Inc.	9, 11, 63, 66
Nadeau Seeds Inc.	72
New Gen Seed Service Ltd.	72
NorthStar Genetics	51
Novozyme Biologicals Canada	35, 45
Nufarm	55
Omex Agriculture Inc.	16, 17
Pitura Seeds	72
Pugh Seeds Ltd.	72
Quarry Grain Commodities	41
RJP Seed Ltd.	73
R-Way	72
SeCan.....	21, 27, OBC
Seed Depot.....	37, 49, 62, 72, 73
Seed-Ex Inc.	73
Seine River Seed Farm	73
Sierens Seed Service	73
Sissons Farms Ltd.	73
Southeast Seeds Inc.	73
Steinbach Credit Union	34
Syngenta	59
Unger Seed Farm Ltd.....	73
West-Gro Seeds Service Ltd.	74
Western Feed Grain Development Co-op Ltd.	74
Westman Aerial Spraying Ltd.	74
Wheat City Seeds Ltd.	74
Zeghers Seed Inc.	74



West-Gro Seeds Service Ltd.

Scott Peters
534-6692

Box 1060
Boissevain, MB R0K 0E0

PROCESSORS & SELLERS OF PEDIGREED SEED

* Wheat
* Oats

* Barley
* Flax

* Canola
* Peas

PRIDE CORN

LEGEND SOYBEANS



Western Feed Grain Development Co-op Ltd.

"Farmer Driven Solutions"

Western Feed Grain Development Co-op was established in 2006 to provide Prairie farmer members with access to feed grains suitable for livestock feed and ethanol production.

Annual memberships fund the research and development of varieties.

New variety: WFT 603, General Purpose Spring Wheat

For more information:

Phone: 1-877-250-1552 • Email: info@wfgd.ca • Website: www.wfgd.ca



Contact one of our
agronomists to discuss
all of your certified
bulk seed, forage seed,
canola and fertilizer
requirements

Site 50, Box 56, RR 5
Brandon, MB R7A 5Y5

Phone: 204.763.8998
Fax: 204.763.4921

Located 8 mi. East of Brandon on #1 Highway



**CEREALS • FORAGE • CANOLA
SOYBEANS • SEED TREATING**

WHEAT CITY SEEDS LTD

Allan Martin

Phone: (204) 727-3337 Fax: (204) 729-0494

wheatcityseeds@gmail.com

Box 74, Site 30, RR 2 . Brandon, Manitoba . R7A 5Y2

ZEGHERS SEED INC.

Box 426, Holland, MB. R0G 0X0

Ph: 204-526-2145 / Fax 204-526-2524

Cell: 204-526-5322 / shawnz@zeghersseed.com

Shawn Zeghers

Specializing in: Pedigree Seed, Production,
Processing, Retail.

**We know the value of
cold weather germination.
We have to. It's Canada.**

Insure™ Cereal
Fungicide Seed Treatment

Creating a seed treatment that can withstand this country's unpredictable elements was no accident. Like you and your operation, Insure™ Cereal was built in Canada. Of course increased emergence in cool germination conditions is just one of this innovative seed treatment's advantages. It also delivers more emerged seedlings, a more consistent plant stand, increased root biomass and larger shoot systems. They're all part of the unique benefits* we call **AgCelence®**. And Insure Cereal is the only cereal seed treatment that has them. For details, visit agsolutions.ca/insure or call **AgSolutions®** Customer Care at 1-877-371-BASF (2273).

 **BASF**
The Chemical Company

***AgCelence** benefits refer to products that contain the active ingredient pyraclostrobin.

Always read and follow label directions.

AgSolutions is a registered trade-mark of BASF Corporation; **AgCelence** is a registered trade-mark, and **INSURE** is a trade-mark of BASF SE, all used with permission by BASF Canada Inc. **INSURE CEREAL** should be used in a preventative disease control program. © 2014 BASF Canada Inc.



SeCan

Canada's Seed Partner

AC[®] Carberry

CWRS Wheat

Setting the pace.

Start strong. Finish fast.

- ✓ Very short, strong straw
- ✓ Fast, efficient harvest
- ✓ MR to fusarium
- ✓ Great fit for intensive management



Genes that fit *your* farm.[®]

800-665-7333

www.secan.com



Developed by Agriculture & Agri-Food Canada, Swift Current.
'AC' is an official mark used under license from Agriculture & Agri-Food Canada.
Genes that fit *your* farm[®] is a registered trademark of SeCan.