

# yield<sup>2011</sup>

## M A N I T O B A

YIELD MANITOBA / 2011

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Bumper crops to write-offs / 4

Trends in waterfowl depredation / 10

The scoop on seed / 16

The promise of perennial cropping / 18

Climate Maps & Statistics / 20

MASC Management Plus Yield Data / 24

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16



21



10

# contents

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Bumper crops to write-offs .....	4
Scaling back the <b>duck factory</b> .....	10
Maximizing profitability starts with <b>planting quality seed</b> .....	16
Manitoba researcher explores <b>perennial cropping</b> .....	18
At least the <b>2010 temperatures</b> were normal .....	20
MASC <b>Risk Area Map</b> .....	24

## Variety Yield Tables

Manitoba .....	25
• Risk Area 1 .....	29
• Risk Area 2 .....	30
• Risk Area 3 .....	32
• Risk Area 4 .....	33
• Risk Area 5 .....	34
• Risk Area 6 .....	36
• Risk Area 7 .....	38
• Risk Area 8 .....	39
• Risk Area 9 .....	39
• Risk Area 10 .....	40
• Risk Area 11 .....	41
• Risk Area 12 .....	43
• Risk Area 14 .....	45
• Risk Area 15 .....	46
• Risk Area 16 .....	46

## Agroclimatic Maps

Percent of Normal Accumulation of Corn Heat Units .....	21
Total Accumulation of Corn Heat Units .....	21
Percent of Normal Accumulation of Growing Degree Days .....	22
Total Accumulation of Growing Degree Days .....	22
Percent of Normal Accumulation of Precipitation .....	23
Total Accumulation of Precipitation .....	23

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# Bumper crops to write-offs



by Allan Dawson, *Manitoba Co-operator* staff

**M**anitoba's 2010 growing season can be summed up in two words — wet and long.

Record or near-record rainfall in many parts of the province between April and October resulted in some farmers harvesting little or nothing. Meanwhile in areas where it rained less, others reaped bumper crops.

Overall, Manitoba wheat, canola, oat and flax crops yielded close to the 10-year average, while corn, soybeans and white pea beans yielded above average, according to data, unadjusted for grade, collected by the insurance division of the Manitoba Agricultural Services Corporation (MASC).

Longer-season crops were helped by receiving an average to slightly higher than average number of heat units.

Many areas enjoyed an unusually long period without a killing frost (time between the last -2.2 C temperature in the spring and the first one in the fall).

For example, Morden and Portage la Prairie received 41 and 47 more days when temperatures stayed above -2.2 C than

normal, according to data collected by Andy Nadler, an agricultural meteorologist with Manitoba Agriculture, Food and Rural Initiatives (MAFRI).

Normally Morden gets 159 of those days, but this year received 200.

Birtle had 190 days where the temperature never fell below -2.2 C — an amazing 58 more than normal.

## Wheat

Manitoba's red spring milling wheat crop of almost 2.4 million acres averaged a respectable 41 bushels an acre, close to the 10-year average of 43, but down 20 per cent, or 10 bushels, from 2009's record 51 bushels an acre.

(When this story was written 99.9 per cent of the data had been collected; final figures could vary slightly.)

But averages don't tell the whole story. For example, in the R.M. of Shell River (Roblin area) wheat yields averaged a bin-busting 60 bushels an acre — the highest in the province.





*Averages don't tell the whole story. For example, in the R.M. of Shell River (Roblin area) wheat yields averaged a bin-busting 60 bushels an acre —the highest in the province.*

But not far to the north and east in the R.M. of Ethelbert wheat averaged a disappointing 12 bushels an acre.

It wasn't much better in the R.M.s of Mossey River (Fork River area) and McCreary at 15 and 14 bushels an acre.

Further east and south the wheat and canola in the R.M. of Bifrost (Arborg area) averaged 16 and nine bushels an acre, respectively.

Those disastrous results didn't surprise Arborg-area farmer Kyle Foster.

"Most of our wheat and canola got worked down," he said.

Interlake farmers were optimistic going into spring, Foster said. Most were able to work their land in the fall of 2009 despite excessive rains earlier. April 2010 started off dry, but then it started raining. Between May 1 and Oct. 10, Arborg received 468 mm of rain — 140 per cent of normal, according to MAFRI.

Other parts of the Interlake got even more rain.

"If you get one bad crop, it's not the end of the world, you've got to expect that," Foster said. "But when you start getting

three or four in a row that's when it really starts to hurt and hit home here."

Starbuck was among the hardest hit getting 654 mm (almost 27 inches) — 180 per cent of normal. But there were reports of 864 mm of rain north of Starbuck, Nadler said.

"There was almost not a week without rain until about late September," he said.

The R.M. of Shell River, where the wheat and canola yielded so well, received 451 mm of rain, just 119 per cent of normal.

"We have that rolling topography so when we get a rain it usually drains off," said Elizabeth Nernberg, a MAFRI farm production advisor based in Roblin. "That's not to say there weren't wet spots and sloughs. The low spots had water in them."

Unfortunately, much of the R.M. of Shell River's wheat was downgraded due to ergot and fusarium head blight damage, Nernberg said.

Two other rural municipalities — Lorne (Somerset area) and Louise (Pilot Mound) — came close to matching Shell River's wheat yields, averaging 58 bushels an acre.

The RM of Roland had the third-best average wheat yield at 54, followed by the RMs of Portage la Prairie and Victoria (Holland area) at 52.

The RMs of Argyle (Baldur area) and Killarney-Turtle Mountain both averaged 51.

At 51 bushels an acre, Fieldstar VB (Varietal Blend), a Canada Western Red Spring midge-resistant wheat, had the highest average yield across Manitoba. But that was based on just 865 acres.

The next top-yielding variety was CDC GO, which averaged 48 bushels on more than 70,000 acres.

CDC GO is renowned for its high potential yield, but doesn't stand up to many diseases common in central and eastern Manitoba.

Harvest was third at 47 bushels an acre on almost 408,000 acres.

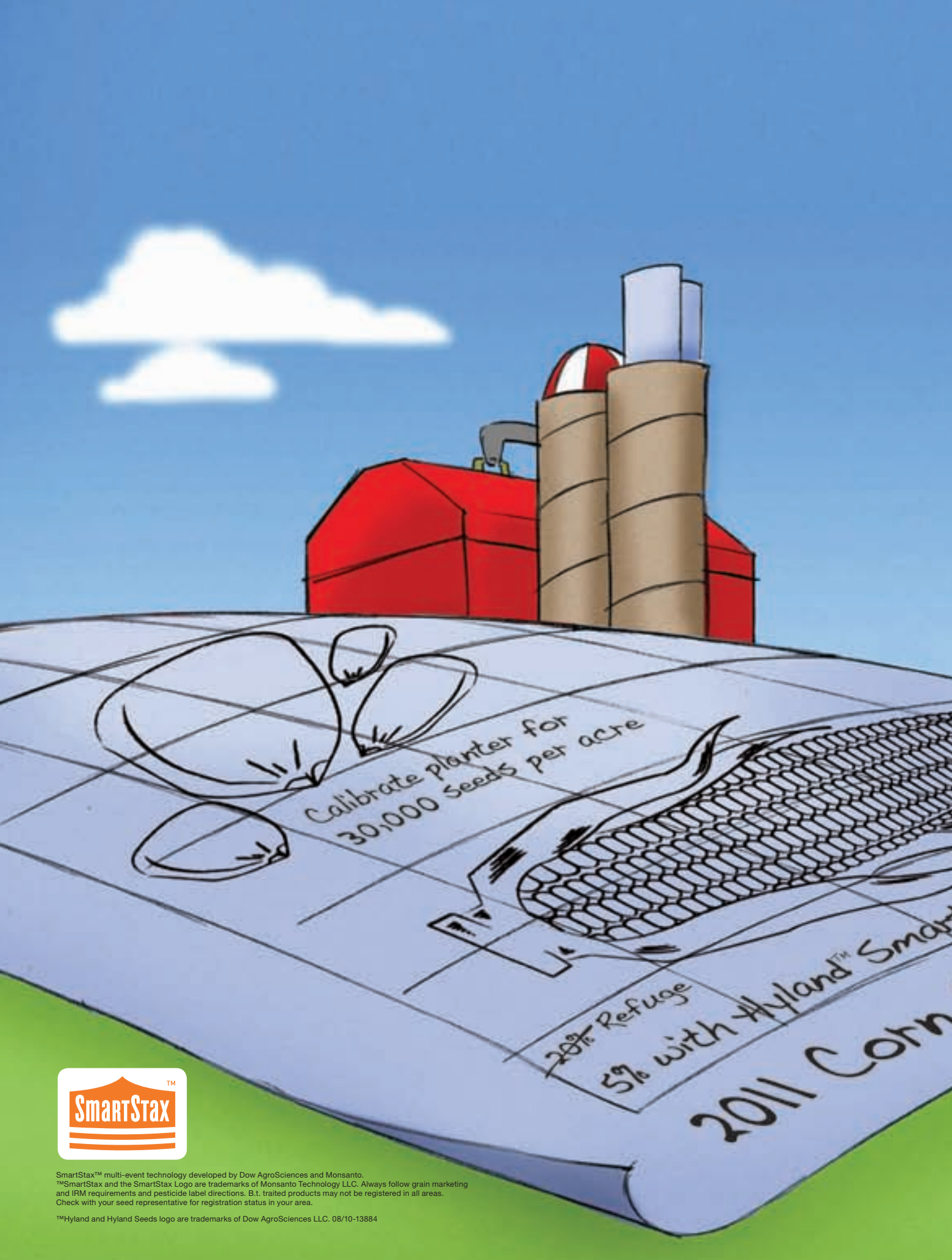
Harvest was the second most popular CWRS in acres, behind Kane, which was seeded on 526,000 acres.

Kane averaged 42 bushels province-wide versus Glenn's 41.

Harvest and CDC GO also shared the top average yield by variety at 72 bushels an acre in the R.M.s of Portage la Prairie and Victoria. (Those yields are based on fewer than 2,500 acres.)

AC Barrie, Manitoba's most popular CWRS wheat for years, had the fourth most acres at almost 247,000 and averaged 37 bushels an acre.

Continued on page 8

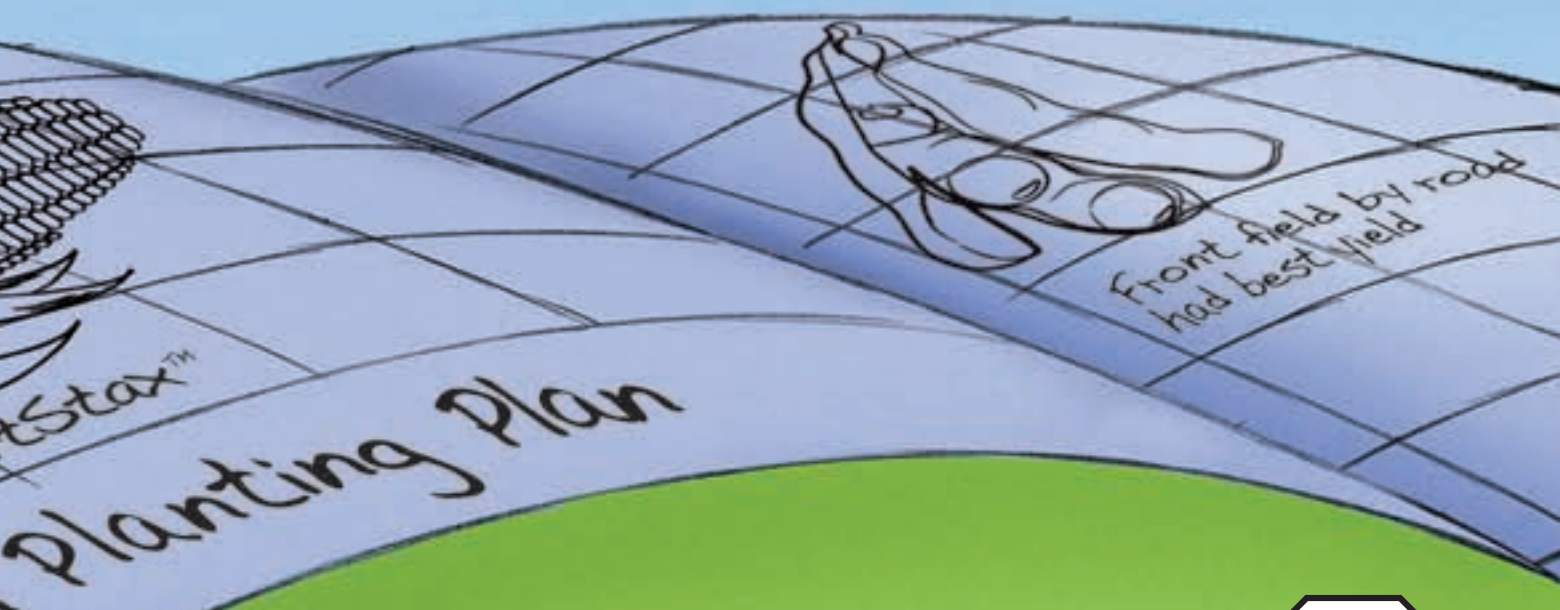


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Crop	2010 yield b/a	2009 yield b/a	% change	10-year average	% change	New record yield 2010	Old record yield	Year
Red spring wheat	41	51	-20	43	-5	No	51	2009
Winter wheat	64	61	5	59	9	No	71	2008
Argentine Canola	33	43	-20	32	3	No	43	2009
Oats	74	91	-20	83	-11	No	101	2008
Flax	19	28	-30	20	-5	No	28	2009
Grain Corn	108	39	177	85	31	No	118	2007
Soybeans	32	30	6	27	19	No	37	2007
White Pea Beans	1488 lbs/a	1582 lbs/a	-6	1358	10	No	1762	2006
Non-oil sunflowers	1308 lb/a	1529 lbs/a	-14	1320	-10	No	1927	2006

Manitoba's feed wheat averaged just 41 bushels an acre — the same as CWRS. The highest yielder was HY 644 at 47 bushels an acre on just 1,831 acres — well under many CRWS wheats.

Manitoba's 203,000-acre winter wheat crop averaged 64 bushels an acre, versus 61 in 2009 and the 10-year average of 59.

Bragging rights went to the R.M. of Portage la Prairie where CDC Falcon averaged 80 bushels an acre.

## Canola

Manitoba farmers harvested 3.2 million acres of canola in 2010 — 699,000 more than all types of wheat.

Bayer CropScience's canolas were among the top yielders again. 1143 (InVigor Health Liberty tolerant) canola averaged 46 bushels an acre, but that was on just 1,041 acres.

Dow AgroScience's NX4 101 RR (Nexera) wasn't far off at 43 bushels an acre, but from just 825 acres.

Bayer's 8440 InVigor had the third-best yield province-wide at 37 bushels an acre and the third-highest number of acres at almost 259,000.

Next was InVigor 5770, which yielded 36 bushels an acre on 283,000 acres.

Pioneer Hi-Bred's Roundup Ready 45H26 yielded 35 bushels an acre on 32,000 acres.

Canterra's 1852H matched that yield, but it came from just 2,000 acres.

Province-wide, canola averaged 33 bushels an acre, down 20 per cent or 10 bushels from 2009, on par with the long-term average.

Farmers in the R.M. of Shell River harvested a remarkable 47 bushels an acre, second only to the 53 bushels averaged in the R.M. of Louise (Pilot Mound area).

The top yielder was Pioneer Hi-Bred's 45H29 at 57 bushels an acre on 905 acres.

InVigor 5770 averaged 56 bushels an acre from 12,000 acres.

What stands out are the low canola yields in the wet areas: six and eight bushels an acre in the R.M.s of Mossey River and Whitemouth, respectively.

The R.M.s of Bifrost, Ethelbert, Lac du Bonnet, McCreary and Springfield averaged just nine bushels.

Farmers in the R.M. of Gimli averaged just 10 bushels an acre, while 12 was the average in the R.M.s of Ste. Anne and Tache.

Canola yielded 13, 14 and 17 bushels an acre in the R.M.s of Dauphin, Brokenhead and Hanover.

## Soybeans

Manitoba soybean growers averaged 32 bushels an acre in 2010. That's up two bushels from 2009 and well above the 10-year average of 27.

The record, 37 bushels an acre, was set in 2006.

Soybeans' strong performance in 2010 underscores their reputation for doing better than many crops under wet conditions.

While canola yielded just nine bushels an acre in Bifrost, soybeans averaged 24.

In Brokenhead, canola did 14 bushels, soybeans 26.

The top-three yielding varieties were all grown on small acreages.

The highest yielding, large acreage (44,032) variety was Legend Seeds' LS 0065 RR, which averaged 37 bushels an acre.

The R.M.s of Montcalm, St. Francis Xavier and Stanley shared the highest average soybean yield by municipality at 40 bushels an acre.

## Corn

Manitoba grain corn averaged 108 bushels an acre, up from just 39 in 2009 and well above the 10-year average of 85.

In 2009 about half the corn crop was written off due to immaturity and widespread mould.

The R.M. of Montcalm had the highest average corn yield at 135 bushels an acre, with the R.M.s of Rhineland and Roland not far back at 134 and 124, respectively.

Varying Pioneer Hi-Bred hybrids were among the top yielders, but Pioneer and DeKalb shared the top average municipal corn yield at 143 bushels an acre.

More yield data will be online at [http://www.mmpp.com/mmpp.nsf/mmpp\\_browser\\_variety.html](http://www.mmpp.com/mmpp.nsf/mmpp_browser_variety.html)



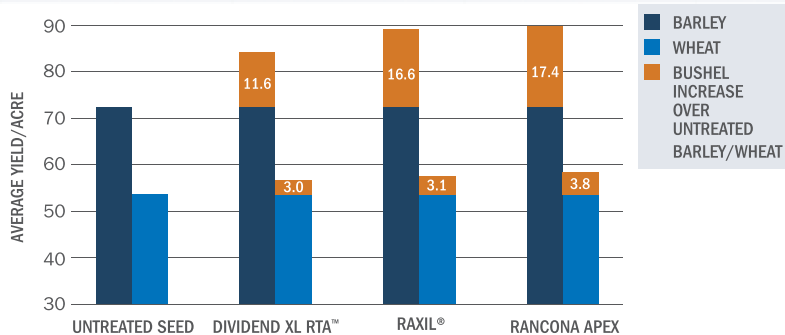
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<sup>2</sup> Tests conducted in Alberta (N=4), Montana (N=1), Manitoba (N=2) and North Dakota (N=2). Average of 9 trials. Raxil T was formulation of Raxil used in trials.

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

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There is a strong association between years with a high number of waterfowl claims and years with wet falls and late harvests.

# Scaling back the duck factory

Implications for waterfowl depredation in Manitoba

by Doug Wilcox, *MASC*

**M**anitoba is a major line of the so-called Prairie “duck factory.” In the 1970s, the Prairie duck factory annually produced more than 11 million mallard and pintail ducks, but production has since declined.

Today, the duck factory only produces about three million mallard and pintail ducks annually. These reductions are primarily the result of loss of habitat due to changes in the agricultural landscape, such as excessive drainage of wetlands.

But as illustrated in *Figure 1*, that hasn’t reduced the number of waterfowl compensation claims.

Manitoba started paying compensation for waterfowl damage to crops in 1972. Since 1973, the largest claim year was 1985 with 686 claims and the smallest claim year was 1983 with 61 claims. There is a strong association between years with a high number of waterfowl claims and years with wet falls and late harvests.

On average, there are 252 waterfowl claims a year and this has not changed significantly over the nearly 40 years of offering compensation.

Manitoba Waterfowl Compensation Claim History

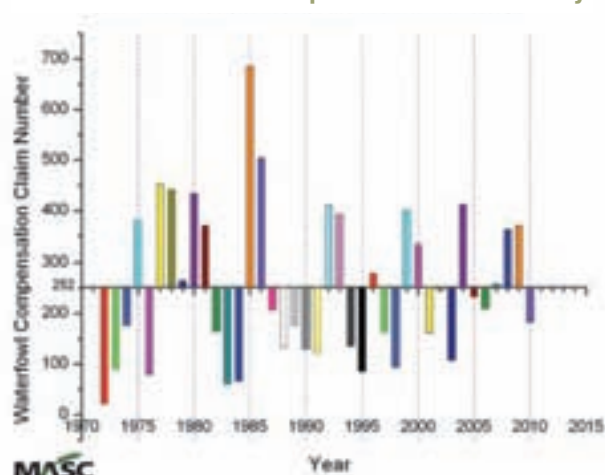


Figure 1

Continued on page 12







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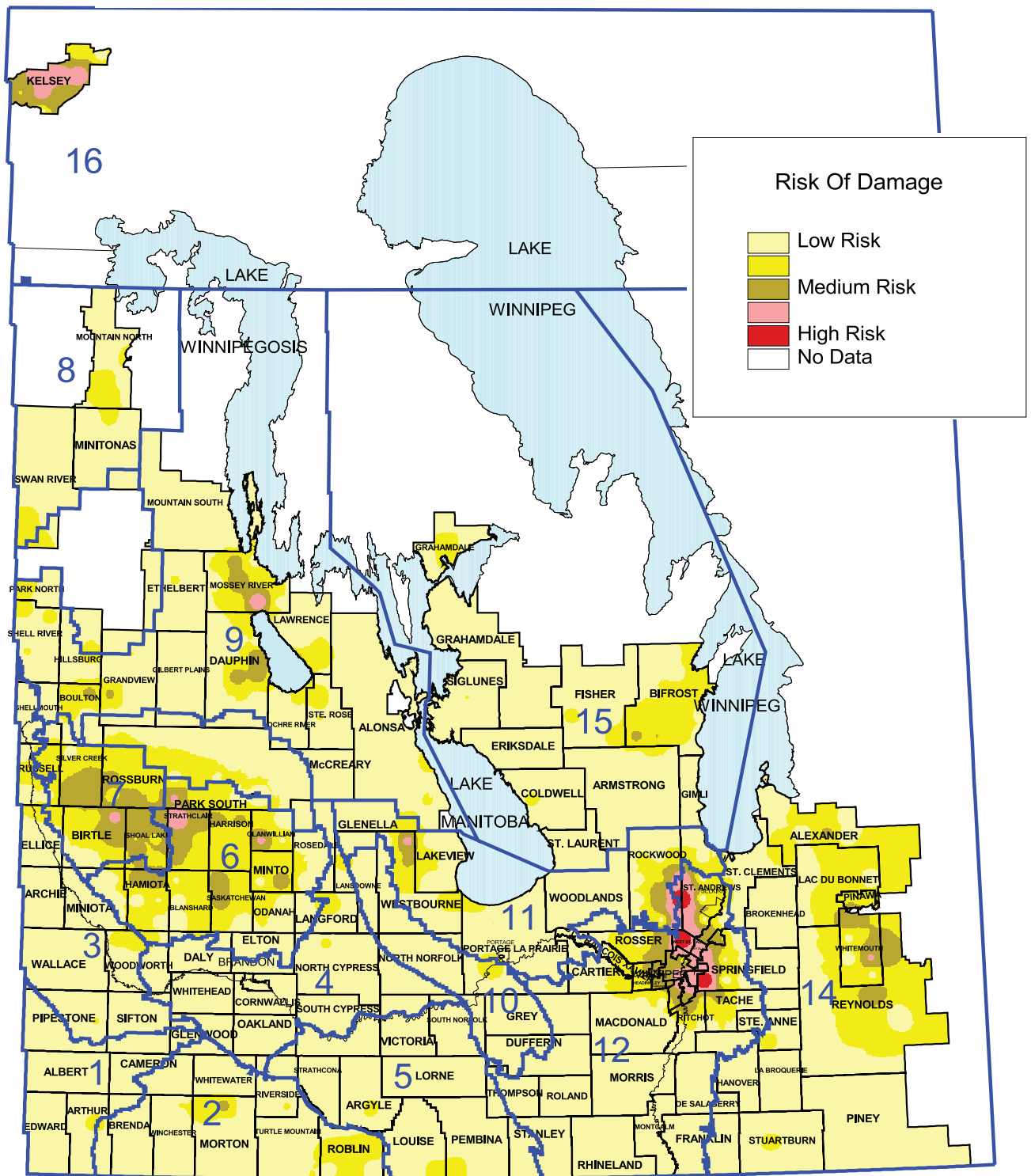
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# Wildlife Damage Compensation (Ducks, Geese and Cranes 1987-2009)



Created by: Janos Boda July of 2010

Figure 2





*In the spring, waterfowl can graze and trample emerging crops. In the autumn, swathed grains are vulnerable to damage by waterfowl through feeding, trampling, and fouling.*

Why haven't waterfowl claims declined as the duck factory has reduced production? The simple explanation is that the goose factory has made up for reductions from the duck factory. In addition to ducks, waterfowl compensation also pays for losses due to geese and sandhill cranes.

Since the 1970s, the number of Canada Geese produced on the Prairies has grown from the low thousands to about one million. That increase is attributed to deliberate public initiatives, such as refuges, and natural adaptation by geese to urban areas.

### Heart of the flyway

Manitoba is also in the heart of the so-called Mississippi Flyway, a major corridor for migrating waterfowl, including a major percentage of the mid-continental snow geese migration.

In the 1970's, the mid-continental snow geese population numbered roughly one million; it now numbers three million. The jump in snow geese numbers is attributed to improved winter feeding conditions in the U.S. as a result of snow geese adapting to feeding on crop residue instead of marsh grasses, and the same crops leaving more field residue due to increased yields.

As for sandhill cranes, the mid-continental populations have been fairly steady since the 1970s, at around 100,000.

The shift from ducks to geese in Manitoba over the last 40 years is supported by waterfowl compensation claim type changes over time. In the 1970's, 85 per cent of MASC's waterfowl compensation claims were due to losses from ducks, whereas now 85 per cent of compensation claims are for losses due to geese.

### Trouble

Although waterfowl are a natural resource enjoyed by bird-watchers, hunters and the general public at large, waterfowl

can also cause significant losses to crops, damaging public greenspaces, and contaminating reservoirs.

*Figure 2* illustrates the relative risk by region in Manitoba for waterfowl claims over the period spanning 1987 to 2009. The highest-risk areas are near the waterfowl staging areas of Oak Hammock Marsh/Winnipeg and the Carrot Valley (The Pas).

The next-highest risk areas are Turtle Marsh (Dauphin Lake), Lake Winnipegosis, Shoal Lake/Strathclair, Big Grass Marsh, and Whitemouth. Although those are the highest-risk areas, waterfowl crop damage can occur anywhere in agro-Manitoba.

In the spring, waterfowl can graze and trample emerging crops. In the autumn, swathed grains are vulnerable to damage by waterfowl through feeding, trampling, and fouling.

On a daily basis, each duck can consume 0.2 pounds of grain, each goose 0.4 pounds of grain, and each sandhill crane 1.5 pounds of grain. But significant additional losses occur due to trampling. Approximately 75 per cent of compensation payments are due to trampling damage, as opposed to actual feeding damage.

### Little incentive to protect habitat

Many producers see waterfowl as a liability and see little incentive to maintaining a waterfowl habitat base. Damage caused by waterfowl differs from other crop yield robbers (like hail), as waterfowl are deemed by society to have sufficient value to expend resources to maintain or increase their occurrence. Waterfowl crop damage compensation payments are merely one of the costs of maintaining this asset.

Producers in Manitoba are compensated for crop damage caused by waterfowl by the Manitoba Wildlife Damage Compensation program (WDC) that is cost shared by the

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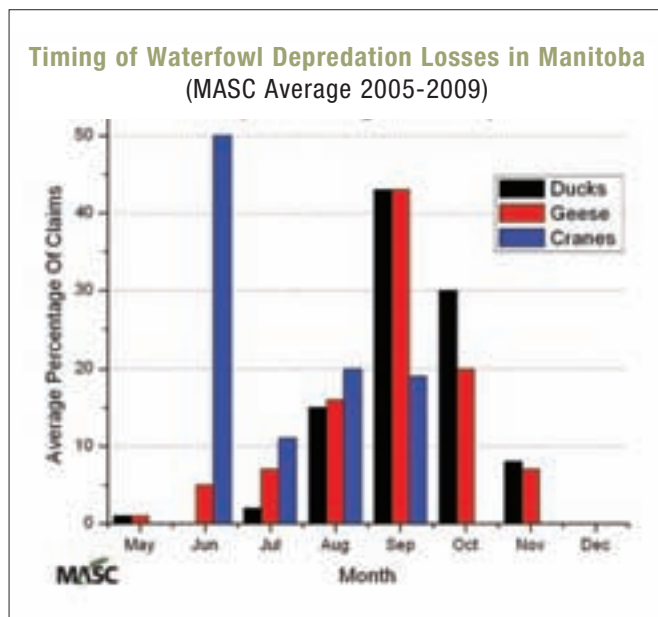


Figure 3

Government of Canada (60 per cent) and the Province of Manitoba (40 per cent). No premiums or administrative fees are charged to producers for this compensation, which is administered by Manitoba Agricultural Services Corporation (MASC). This program provides compensation for crop damage from ducks, geese, or sandhill cranes. For additional details on compensation for waterfowl crop damage producers should visit their local MASC Insurance office or review the information on this web page: [http://www.masc.mb.ca/masc.nsf/program\\_wildlife\\_damage\\_compensation.html](http://www.masc.mb.ca/masc.nsf/program_wildlife_damage_compensation.html)

### Value of crop lost

The value of crop lost due to waterfowl in Manitoba is difficult to quantify. It is known that over the last 10 years (2000 to 2009), compensation payments in Manitoba have amounted to an average of \$608,000 annually. There are also annual costs of roughly \$200,000 associated with waterfowl crop damage prevention initiatives conducted by Manitoba Conservation. There are also the uncompensated financial losses that are absorbed by producers.

Despite the significant amount of public funds expended annually, producers feel the amounts are inadequate.

Recent changes to the WDC, which will bring the level of waterfowl compensation to 100 per cent by 2012 (from the current 80 per cent), are expected to alleviate some of these concerns. Producers feel they should be compensated fully for any losses that are the result of waterfowl damage, and that they are being asked to bear the burden of supporting a public resource, from which they receive no benefit.

### Counterpoint

The counter argument is that waterfowl are a natural ongoing part of the environment, and that producers should be prepared to invest time and money to protect their investment. For example, some critics say producers do not take sufficient advantage of hunting as a device to control depredation.

Management choices, which make the crop less vulnerable to waterfowl depredation, are also available, including the elimination of swathing, use of winter cereals that mature earlier, and growing alternative crops that are not susceptible to damage.

### Changes in agricultural practices

It may be that waterfowl compensation claim numbers have not increased despite an increase in geese numbers, not only because of a diminished output from the duck factory, but also due to these concurrent changes in agricultural practices.

Canola acres have increased, and more producers are using zero tillage and are opting to straight cut their crops. Farms have also increased in size and use larger equipment, which means they are now more able to get a crop off in a wet fall than in the past.

Without these changes in agricultural practices, it is likely that the number of waterfowl claims would have increased rather than stayed steady.

Migration timing likely has an impact on the number of waterfowl compensation claims. A multitude of factors influence waterfowl migration timing, including temperature declines and snow cover, food and habitat availability, internal photoperiod clocks, and body condition. Cold, stormy conditions can encourage more rapid migrations, while warm breaks encourage waterfowl to stick it out and can stall migrations.

Figure 3 shows the average timing of waterfowl claims for each of the major waterfowl types. Sandhill cranes do the bulk of their damage in June, whereas ducks and geese do most of their crop damage in September. Ducks also seem to start damaging crops a little later in the fall and hang around more into winter than most geese. On average, 42 per cent of crop damage from ducks and geese occurs in September.

### Integrated approach

Waterfowl crop damage compensation has to be viewed as one component of an integrated approach to managing the agricultural landscape. The waterfowl crop damage compensation program is intended to increase producer acceptance of waterfowl, and in turn enhance waterfowl populations and/or habitats.

The massive increases in geese populations are potential evidence of the positive aspects of compensation. However, compensation programs can have unintended consequences. They can passively encourage producers to reduce damage-prevention efforts, and there is the risk of passively triggering agricultural expansion, habitat conversion, and intensification of agricultural production.

These unintended consequences can have negative effects on the waterfowl populations that compensation is intended to favour.

Evidence of the negative aspects of compensation may be that, after nearly 40 years of waterfowl compensation in Manitoba, the province has not maintained its historic duck factory output levels. Regardless, from the perspective of a Manitoba producer, waterfowl damage compensation has been beneficial, alleviating waterfowl-caused financial losses and creating tolerance for waterfowl, their habitat, and hunters.



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# Maximizing profitability

starts with **planting quality seed**



by Pam de Rocquigny, *Cereal Specialist, MAFRI*

**M**any farmers are particular about the varieties they want to grow. However, as much or even more attention should be paid when securing top-quality seed as it is the starting point for maximizing crop production and profitability. Securing seed supply requires farmers to be informed to make good decisions and to manage potential risks. As an old saying goes “Quality in equals quality out”.

## 2010 growing conditions affected quality and supply

Reports from seed-testing laboratories are confirming what many already suspected: in some cases the less-than-ideal 2010 growing season (poor harvesting conditions, frost, disease pressure, delayed maturity) has resulted in seed with below-average germination and higher-than-average levels of disease. However, in many cases Manitoba farmers fared better than their counterparts further west and there is good quality seed available. Although seed supplies may be tight, particularly for certain varieties and in some regions hardest hit by Mother Nature, securing quality seed should be an accomplishable goal for the 2011 growing season.

## What to look for in quality seed

*Quality seed needs to have the following characteristics:*

- **Good germination:** A seed is a living organism and can change from the time it's taken off the field to planting. Hence, testing for germination only once a year may not be sufficient;

- **Purity:** Purity includes three factors: varietal purity, should not be mixed with other classes or crops and should have no prohibited or noxious weeds with low levels of other weed seeds;
- **Disease:** Discoloured, shrivelled, or off-colour seeds can indicate disease. However, there are diseases such as loose smut that are carried inside the seed and are not visible;
- **Test weight:** High test weight per bushel normally indicates matured seed;
- **Kernel plumpness:** Large, well-filled kernels produce strong, fast-growing seedlings.

### *Growers should avoid seed lots that are:*

- Damaged by weather (loss of colour, lower test weight), frost (lower test weight and germination), or sprouted;
- Seed that went into storage at high moisture content (damp stored grains can develop moulds and may heat or spoil when spring arrives);
- Dried at high of temperatures, which can impact germination; and
- Seed that received a preharvest glyphosate application (can cause germination and possibly vigor problems).

Although visual assessments can be a good starting place in selecting quality seed, testing is critical since it is the most accurate way to determine the ability of seed to germinate, the presence of disease, and purity.

Selecting quality seed can reduce the risk of poor stand establishment as well as improve a crop's ability to compete



with weeds, diseases, and insects. Regardless of the cause, poor seed produces weak seedlings and should not be used except in extreme shortages of good-quality seed.

Planting poor-quality seed is difficult to correct since it directly impacts stand establishment and there is no increasing plant stand once the crop is up and growing. Those seedlings that do emerge will be weaker and less able to withstand poor spring growing conditions such as drought or frost. Of course, results from using low-quality seed will depend on temperature, soil moisture conditions and disease following germination.

Another point to consider is with the wet conditions and late harvest in 2010, many fields were not worked prior to freeze-up or the first snowfall. Going into 2011, farmers will likely see challenging conditions during seeding including wet, cold soils and heavy residue which can affect emergence and stand establishment. Under these types of conditions, using good-quality seed is even more important.

And keep in mind that the best seeding practices — seed-bed preparation, seeding depth, target seeding rate, row spacing — apply to all seed regardless of source.

Farmers should not relax on good seeding practices when seeding good quality seed; at the same time those good practices will not rescue poor quality seed.

If working with seed with lower-than-ideal germination, increase seeding rates. This means when calculating seeding rate, do not use bushels per acre. Instead calculate seeding rates based on germination and 1,000-kernel weight to achieve the target stand. Remember that every lot of seed and variety is not the same, so it is important to get those results either through the seed dealer or testing of farm-saved seed every year.

If disease is a concern, seed treatments can protect germinating seed and young seedlings from seed-borne and soil-borne pathogens. Although certified seed guarantees quality and variety purity, it does not guarantee freedom from seed-borne disease. Test seed at an accredited lab if there are concerns. If considering using farm-saved seed, test after cleaning the seed. Keep in mind that seed treatments do not bring back to life dead seeds, but can help seed lots with disease pressure.

## **“Know your seed”**

Selecting quality seed also reduces the risk of liability and selling the crop at less-than-expected prices. With the elimination of kernel visual distinguishability (KVD) as a registration requirement for wheat, variety declarations were put in place for delivery into the grain-handling system.

Farmers must declare that the grain delivered is a variety that is eligible for their class and in signing a declaration, farmers become legally responsible to know what variety they are growing and its class eligibility.

Farmers who misrepresent ineligible varieties as being eligible for the class risk contract cancellation, restricted delivery opportunities and financial responsibility for damages. The Canadian Grain Commission (CGC) maintains a list of eligible varieties for each class of wheat which is available on their website ([www.grainscanada.gc.ca](http://www.grainscanada.gc.ca)).

Farmers can grow and deliver ineligible varieties, but they will be graded and priced as the lowest grade available for that class (e.g. feed wheat).

When using certified seed, farmers can manage the risk of knowing what they are planting as pedigreed seed growers follow regulations to maximize genetic and seed purity. When a producer buys certified seed, it should have an official blue tag, pedigreed documentation (provided from the seller), and a copy of the mechanical purity.

If planning to use farm-saved seed, have the seed tested at an accredited lab to confirm varietal purity. A grade and protein assessment at the elevator or by the Canada Grain Commission is not a verification of class eligibility. Keep in mind the sample size and sampling procedure is extremely important since a large percentage of the variability associated with test results comes from incorrect sample collection. Contact the lab to determine the proper way to obtain the sample. For certified or farm-saved seed, keep the test results for potential future requests.

## **Market access**

Securing quality seed also provides access to new and existing markets. For example, the assurance of GM-free flax seed being exported in fall 2011 and beyond starts with what seed is planted. Farmers must plant only seed that has been tested and is verified CDC Triffid-free.

If purchasing certified seed, request and retain a copy of the certificate of laboratory analysis that verifies the planted seed tested negative from the seed. If planting farm-saved seed, a sample must be submitted to an accredited lab to be tested (see [www.flaxcouncil.ca](http://www.flaxcouncil.ca) for list of accredited labs and sampling procedure). As with certified seed, keep the analysis for potential future requests from buyers of harvested seed.

## **Seed costs**

Farm-saved seed may look like an attractive option to save on seed costs. Pen should be put to paper to determine farm-saved and certified seed costs. For farm-saved seed, take into consideration the costs of storage, cleaning the seed, and trucking costs to and from the cleaning plant. Also think of the lost potential revenue from selling that seed on the market (and with good commodity prices, now may be the time to sell poorer quality seed and secure higher quality), potential liabilities and lost market opportunities. And remember to include seeding rate calculations for both based on germination and thousand kernel weight.

## **Final thoughts**

Farmers must place emphasis on planting high-quality seed. Regardless of seed source, it is strongly recommended that growers obtain as much information as possible on the seed lot in order to make informed decisions. There is only one opportunity to set the crop up for success.

Consider planting certified seed to take advantage of the variety's full genetic potential and for risk management and market access. If there are plans to use farm-saved seed, have it tested sooner than later — if results come back less than favourable, there is still time to secure quality seed for the 2011 growing season.

*Additional information supplied by Anastasia Kubinec,  
Oilseed Specialist, MAFRI*

# Manitoba researcher explores perennial cropping

by Laura Rance, *Manitoba Co-operator* editor

**M**anitoba has joined a small but growing global effort to produce more environmentally and economically sustainable food from perennial crops.

“The intent is to develop crops that will be seeded one year and harvested over a number of succeeding years,” says Doug Cattani, a 30-year veteran of forage extension with Manitoba Agriculture, Food and Rural Initiatives.

Cattani took up his new job as perennial crops plant breeder last summer, part of a new program cost-shared between the University of Manitoba and the Manitoba government with support from the Agri-Food Research and Development Initiative (ARDI). It’s dedicated to extending the concept of perennial cropping beyond forage seed production on the Prairies.

Perennial cropping, while far from imminent, is not so far-fetched as it might first appear.

For starters, Manitoba farmers are already familiar with the concept. About 600 producers annually harvest perennial forage crops for seed, putting this province securely on the map as a major forage seed supplier.

Secondly, wild perennial relatives of commonly grown annual crops, including sunflowers, flax and wheat, already exist in the province.

But most importantly, proponents say there is a compelling agronomic, environmental and economic rationale supporting the idea. They say perennial cropping offers the opportunity to build soil quality, increase biodiversity, and reduce both input requirements and stress. In a spring like 2010, when heavy rains sidelined seeding operations, farmers could rest easy knowing their perennial acres were already seeded.

Growing a cocktail of species in a field can improve soil organic matter, result in better water infiltration, and recycle nutrients in



*Pedimelum esculenta* (Indian breadroot or prairie turnip)



*Linum lewisii* (Lewis or wild blue flax)





*Helianthus maximilianii* (perennial or narrow-leaved sunflower)

a way annual cropping cannot. While polyculture species may provide harvestable crops, their chief benefit may be improving the soil's overall productivity.

"Are you looking at something that will be in for a number of years and you harvest the grain, and that's all you measure, or are you looking at the environmental impact that it will have on soil health so that you can go in after five to seven years and go into a three-year annual rotation having returned organic matter and a number of other benefits to the soil?" says Cattani, who is in the early stages of identifying potential candidates for development.

While careful not to portray perennial cropping as a panacea for all that is wrong with modern agriculture, Cattani believes it can be one of the solutions to feeding a hungry planet. Many say agricultural production must double by 2050 when the world's population is expected to hit nine billion. Production has doubled in the past 50 years thanks to increased inputs and genetic advancements, but Cattani argues that strategy is running out of steam.

"I don't think we can do it the way we've done it in the past," Cattani said. "We are getting to the point where the inputs are basically taking up all the gains we are making in other areas of agriculture. Producers aren't necessarily more profitable.

"I wouldn't say this is going to meet all the needs, but I could see it helping by maintaining the quality and sustainability of production systems we have now."

Cattani will be working in co-operatively with the Kansas-based Land Institute, a privately funded foundation that has been working towards the same goal over the past 30 years. It recently hired a breeder dedicated to developing perennial wheat. Similar research is also taking place at the University of Minnesota, Washington State University, and in Australia.

A newly released report prepared for the British government called *The Future of Food and Farming* cites the development of perennial grain crops as revolutionary and an important area of study, along with the introduction of nitrogen fixation into non-legume crops, and re-engineering the photosynthetic pathways of different plants.

***"So it's a long process, but if you don't start, you'll never get there."***

***— Doug Cattani***



Cattani has already begun the arduous task of cataloguing species native to this region that might have potential as food and soil-building crops. He plans to plant a number of species this summer to begin the assessment process.

The Land Institute has advanced intermediate wheatgrass to where it provides a seed that threshes out like wheat, as opposed to barley. Breeders have also been able to increase seed size and Australian researchers have been able to harvest some good yields after two growing seasons. But winter hardiness is a problem. Although the Manitoba stock survived two winters, "production after the second winter is not a viable crop," Cattani said.

Another potential crop is sunflowers. After a decade of natural selection, Kansas researchers have reduced the Maximilian sunflower from a bushy multiflowered plant to a single head. Minnesota researchers are looking at the wild perennial sunflower as a teaser crop to lure birds away from annual sunflower fields.

Cattani is looking at local native species such as *Pedimelum esculenta* (Indian breadroot or prairie turnip), *Linum lewisii* (Lewis or wild blue flax) and *Helianthus maximilianii* (perennial or narrow-leaved sunflower) as crops worthy of further study, either because they have a history of use as food on the Prairies or because they are wild relatives of existing annual crops.

It's painstakingly slow work. And while biotechnology tools can speed up the process of identifying useful traits, it is unlikely genetic modification can fast-track the breeding process as the traits that go into making a crop perennial are too diverse.

Nor is it the kind of research likely to attract enthusiastic support from the private sector, because while these crops may prove beneficial to farmers, there is no way for companies to recoup their investment. Cattani estimates commercialization to be at least two decades away, but he is undaunted.

"So it's a long process, but if you don't start, you'll never get there," he said.

# at least the 2010 temperatures were normal

by Andrew Nadler, *Agricultural Meteorologist, MAFRI*

**W**hen observing rainfall totals, it is important to put the numbers into context. For example, 450 mm (18") of rain during the growing season would be considered above average for Manitoba, resulting in a relatively wet year.

However, on the East or West coasts, this amount would be close to average. Likewise, the average rainfall in parts of southwestern Saskatchewan and southeastern Alberta is less than 225 mm (9") – much drier than what southern Manitoba is accustomed to.

Long-term records indicate that most parts of southern Manitoba receive between 350-400mm (14-16") of rainfall during the average growing season. Despite these averages, the variability from one year to the next can be extreme.

The above chart shows the 30-year average growing season rainfall and the actual rainfall recorded during the 2010 growing season at Boissevain, Ethelbert, Moosehorn, and Starbuck. The four smooth lines represent the normal values while the thicker

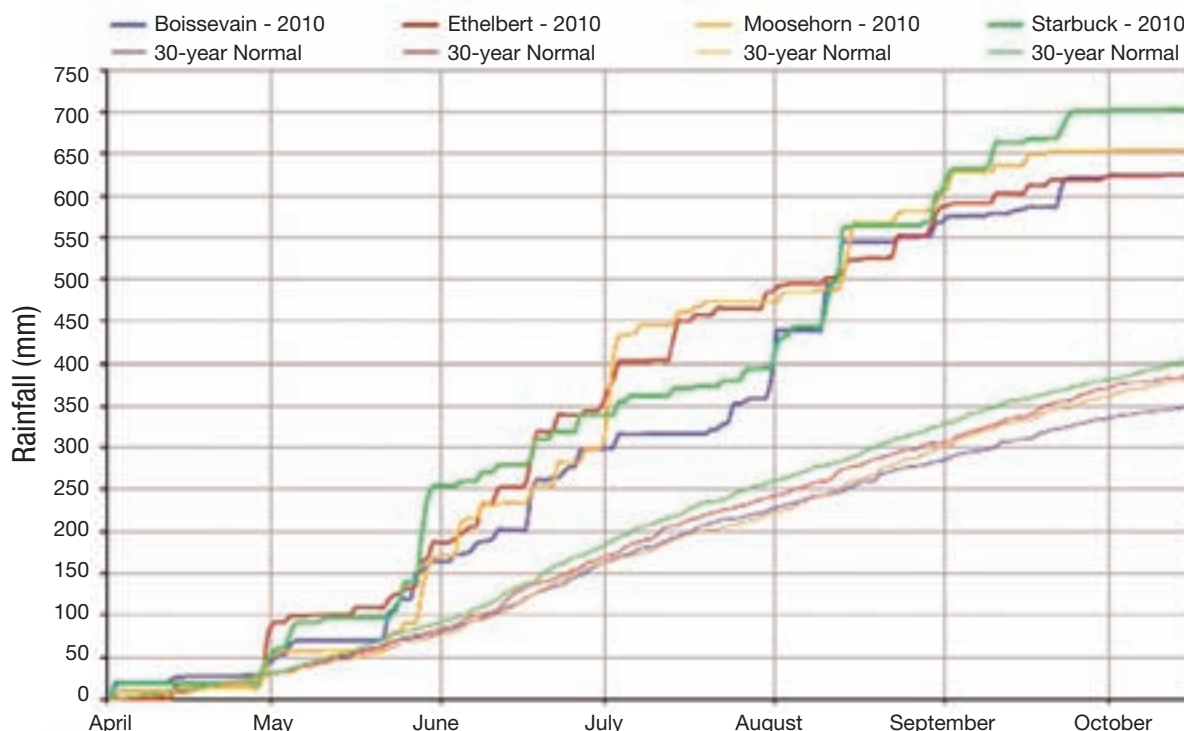
lines above show the actual recorded values at those weather stations.

Official accumulations were as high as 700 mm (28") while local reports were even higher. 2010 received between 160 per cent and 180 per cent of normal rainfall from April 1 through October 15.

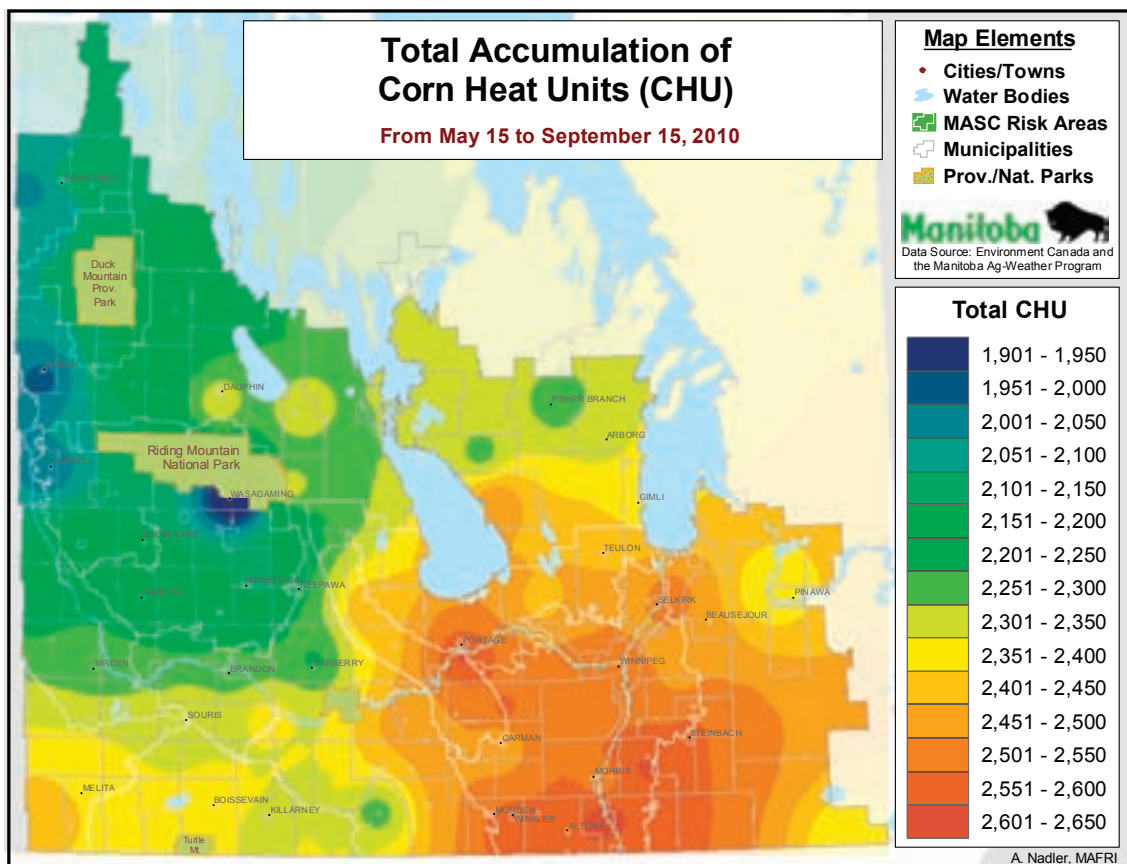
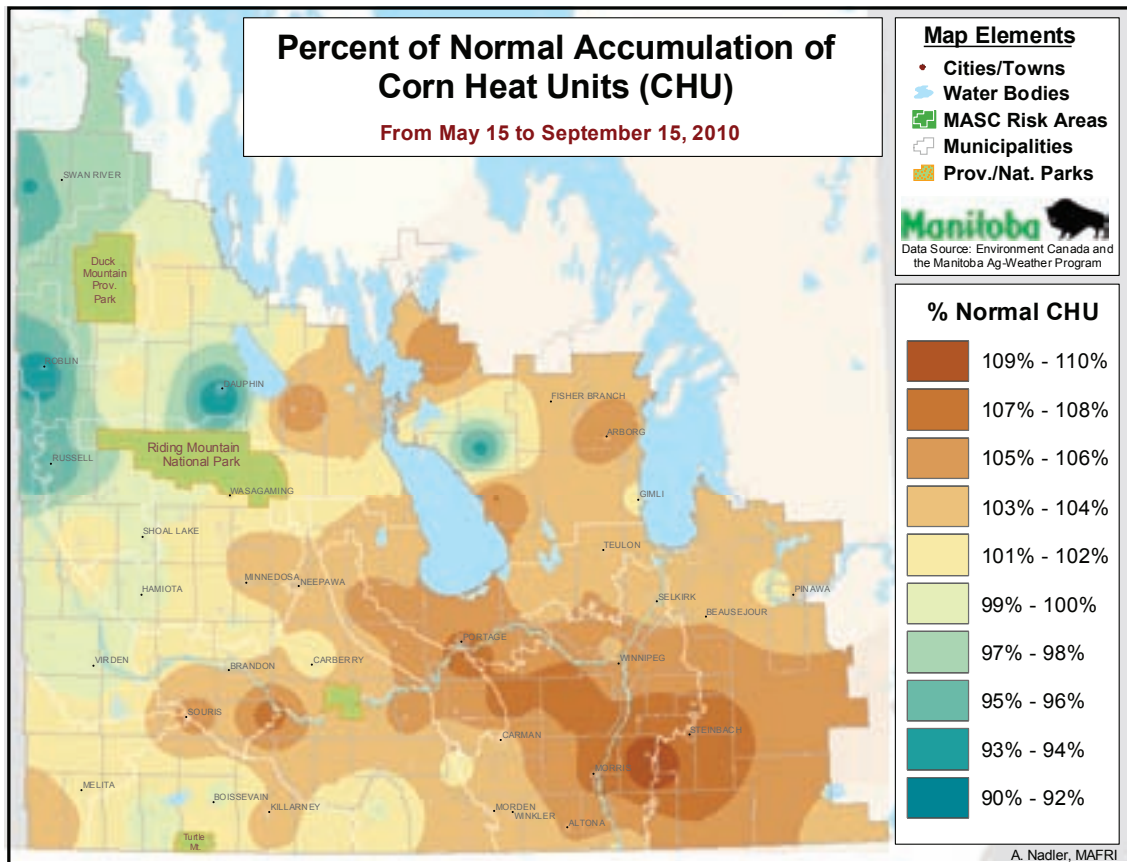
The Per cent of Normal Accumulation of Precipitation and Total Accumulation of Precipitation maps show the spatial extent of moisture between May 15 and September 15, 2010. While much of the western half of southern Manitoba did not receive as much rainfall as the east, the actual amounts in all areas were well above the long-term averages, resulting in wet conditions throughout.

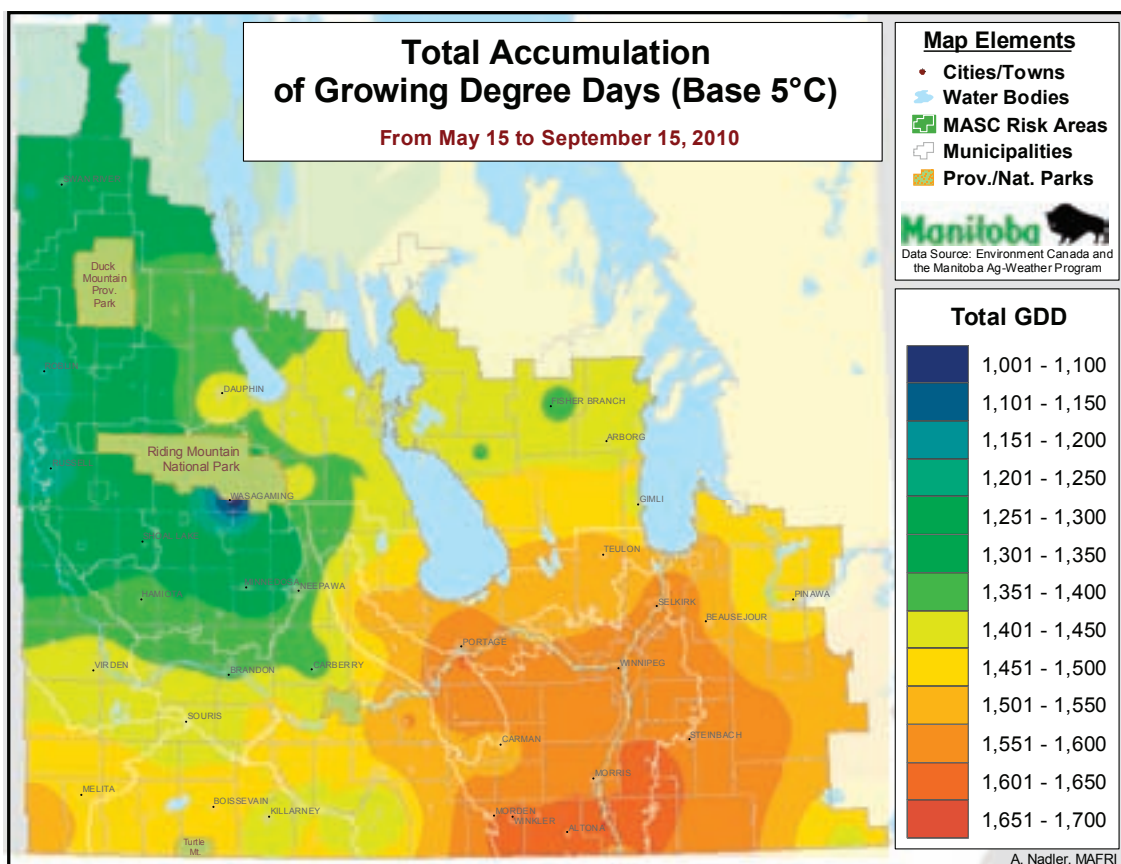
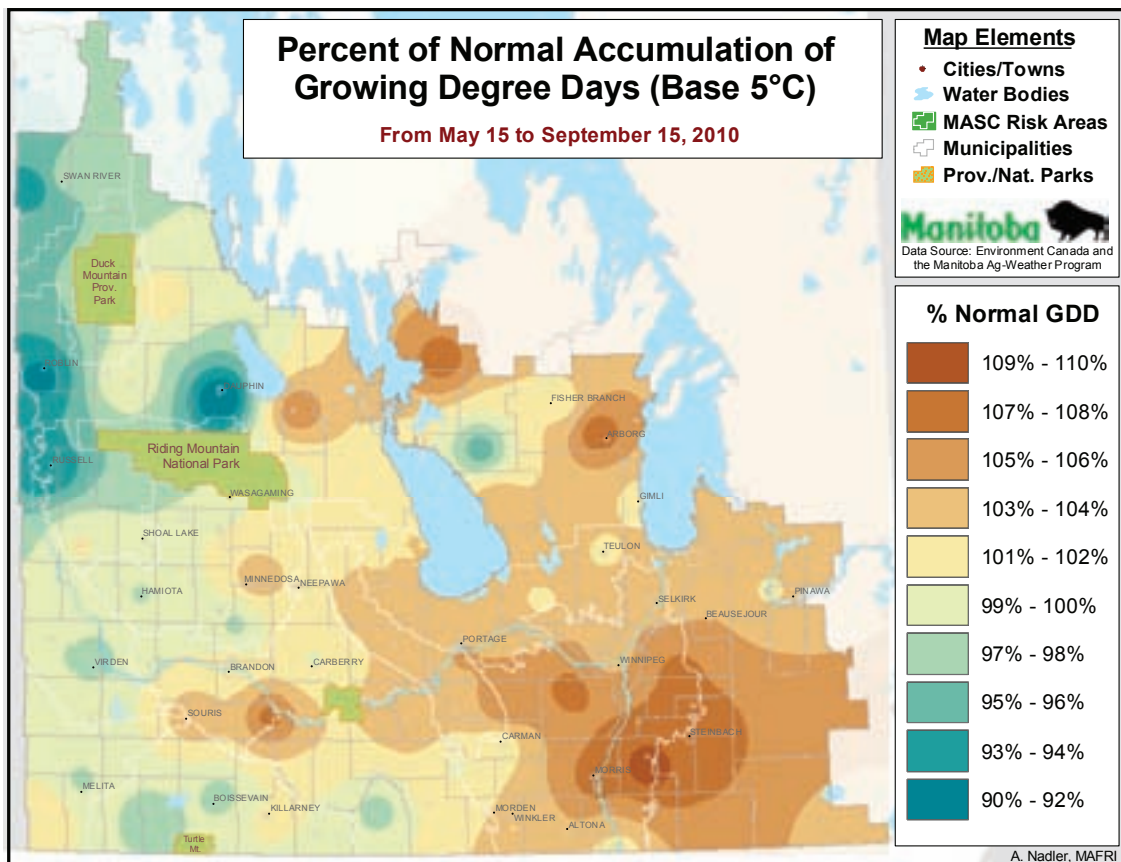
Despite the abnormal precipitation in 2010, temperatures were closer to normal. When examining both growing degree days (GDD) and corn heat units (CHU), most areas ended up receiving between 95 per cent and 105 per cent of 30-year average values, with western Manitoba being slightly below normal and eastern Manitoba slightly above.

**Cumulative Rainfall – April 1 to October 15, 2010**

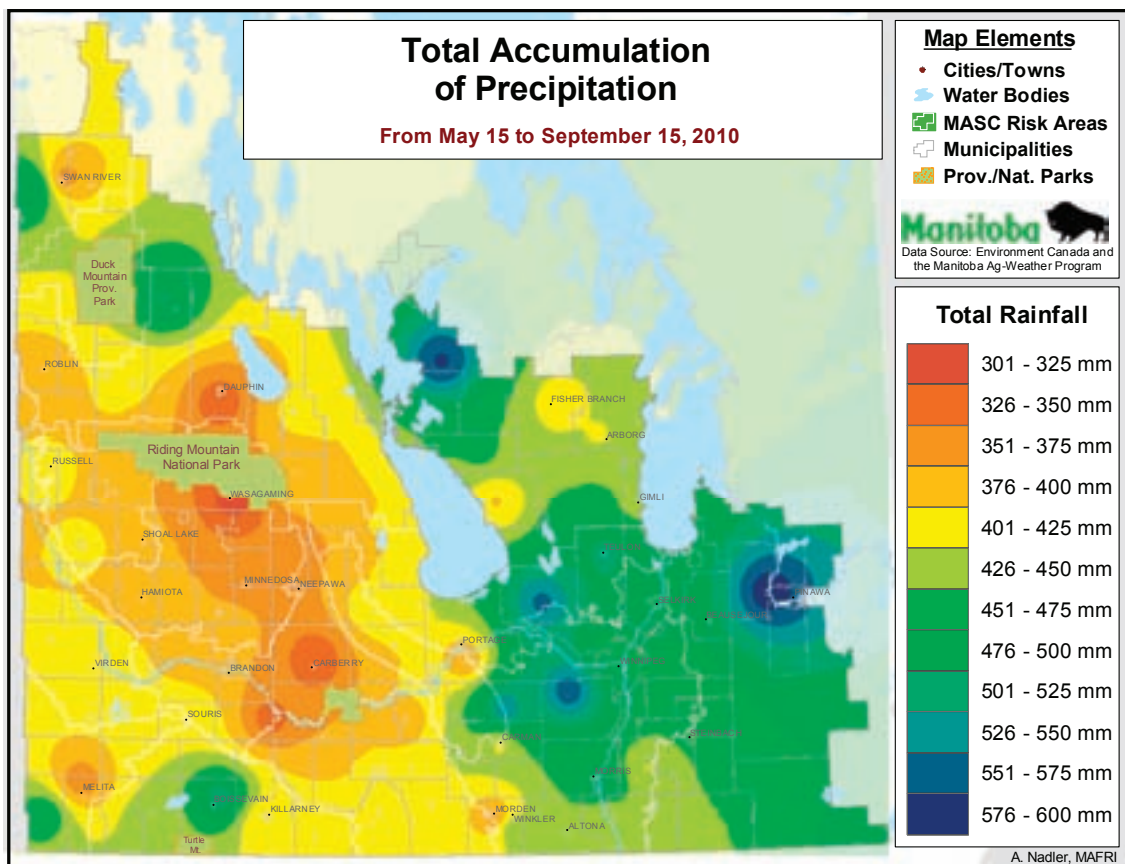
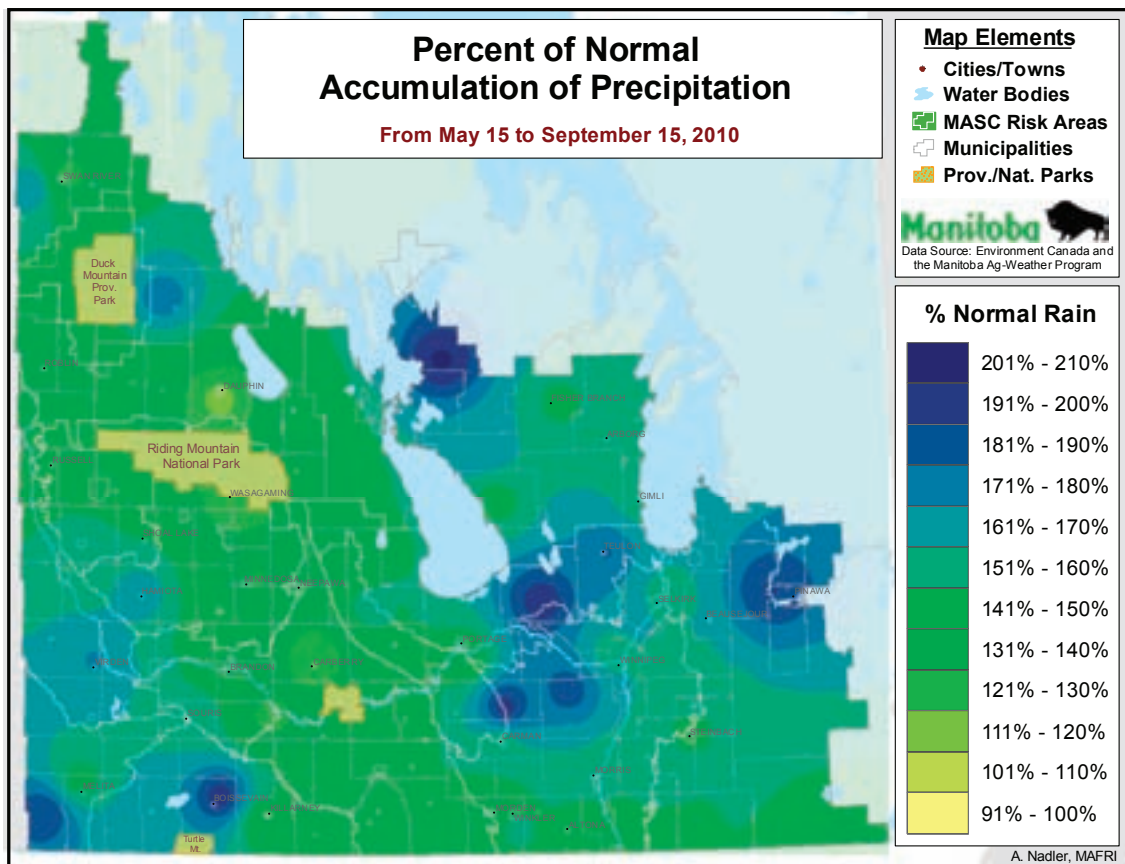




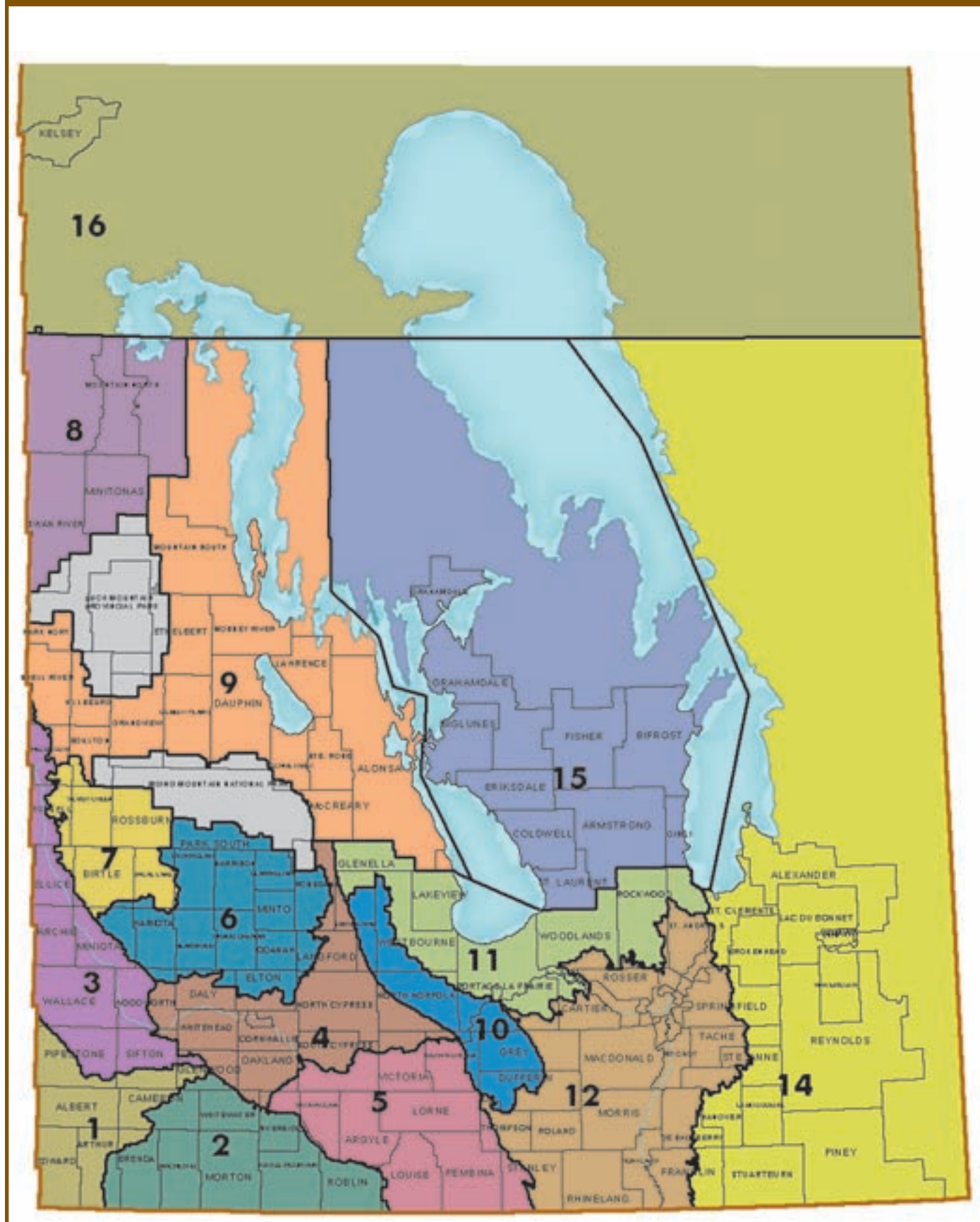








# RISK AREAS





# MANITOBA

CANOLA YIELDS BY VARIETY 2006–2010†								MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
5440 (LT)	—	—	45	45	856,249	34	1,031,529		
5770 (LT)	—	—	—	—	—	37	283,148		
8440 (LT)	—	—	44	45	281,728	37	259,276		
5030 (LT)	38	31	44	45	297,425	33	158,726		
72-65 (RT)	—	—	—	41	8,452	33	153,978		
9590 (LT)	—	31	41	41	104,746	31	116,998		
72-55RR (RT)	—	—	44	43	95,566	29	108,834		
45H28 (RT)	—	—	42	43	94,091	33	108,831		
NX4 105 RR	—	—	42	44	44,831	33	99,757		
5020 (LT)	38	27	41	40	220,164	30	98,839		
1145 (LT)	—	—	—	—	—	33	92,891		
9553 (RT)	—	—	28	40	60,152	32	80,015		
VICTORY V1037 (RT)	—	—	39	41	48,983	24	52,993		
45H29 (RT)	—	—	—	—	—	34	49,635		
PIONEER 45S51 (RT)	—	—	—	38	25,207	32	42,686		
71-45RR (RT)	34	29	39	40	155,719	28	42,343		
45H26 (RT)	—	31	40	41	64,910	35	32,082		
45H73 (ST)	—	31	39	42	19,491	31	30,840		
46P50 (RT)	—	31	38	42	23,114	29	23,184		
1141 (LT)	—	—	37	41	38,675	26	20,152		
D3150 (RT)	—	—	—	40	22,340	33	19,095		
34-65 (RT)	35	27	34	39	24,420	30	18,398		
D3151 (RT)	—	—	—	40	21,506	28	18,061		
1818 (RT)	32	27	35	38	21,834	28	16,202		
CANTERRA 1950 (RT)	—	—	—	—	—	28	15,379		
9555 (RT)	—	—	—	—	—	30	14,296		
1841 (RT)	35	30	37	38	36,595	26	14,149		
NEXERA NX4-205CL (ST)	—	—	—	—	—	30	13,397		
NEX 845CL (ST)	—	29	36	38	79,867	28	13,362		
6040RR (RT)	—	—	—	—	—	34	12,082		
4414 (RT)	—	25	35	37	14,449	23	8,982		
1768S (RT)	—	—	32	37	5,587	25	8,897		
6020RR (RT)	—	—	—	—	—	28	8,594		
VICTORY V2030 (RT)	—	—	—	36	33,937	25	7,918		
45H21 (RT)	34	28	35	39	15,037	32	7,386		
9557S (RT)	—	—	—	—	—	34	7,145		
5525 CL (ST)	—	—	—	—	—	28	6,666		
46A76 (ST)	30	23	31	31	4,627	15	6,396		
997RR (RT)	—	31	29	38	9,504	24	6,372		
9550 (RT)	28	23	33	39	4,420	31	5,951		
71-40CL (ST)	—	—	—	34	3,315	19	5,789		
73-55RR (RT)	—	—	—	—	—	34	5,252		
5070 (LT)	38	31	43	41	10,290	33	5,050		
45P70 (ST)	—	26	34	32	5,812	20	4,578		
VICTORY V1040 (RT)	—	—	—	—	—	34	4,518		
PROVEN 9552RR (HT)	—	—	—	36	1,248	26	3,923		
1144	—	—	—	40	72,207	27	3,820		
NX4 104 RR	—	—	—	41	9,696	25	3,415		
45A51 (RT)	—	—	—	42	1,796	30	3,377		
NEXERA NX4-106RR (RT)	—	—	—	35	553	32	3,103		
93H01RR (RT)	—	—	35	40	2,886	32	2,742		
73-45RR (RT)	—	—	—	—	—	34	2,423		
1651H (ST)	—	—	37	30	2,987	27	2,115		
1852H (RT)	—	25	40	35	4,556	35	2,000		
73-65RR (RT)	—	—	—	—	—	34	1,816		
43H57	—	—	31	29	8,732	21	1,792		
6130RR (RT)	—	—	—	—	—	20	1,789		
EXCEED (LT)	28	—	—	24	3,105	15	1,752		
45H24 (RT)	37	29	36	40	2,859	27	1,430		
SP BANNER (RT)	30	25	30	35	3,062	17	1,416		
RUGBY (RT)	—	—	29	38	2,993	19	1,403		
45H25 (RT)	35	27	37	36	3,001	31	1,120		
PRAIRIE 719RR (RT)	28	27	22	28	6,185	26	1,053		
1143 (LT)	—	—	40	48	1,895	46	1,041		
SW WIZZARD	16	30	36	39	791	10	1,011		
4424 RR (RT)	—	—	—	41	1,685	26	983		
45A71 (ST)	23	15	37	38	806	25	850		
NX4 101 RR	—	—	—	42	23,525	43	825		
VICTORY V1035 (RT)	—	29	38	40	25,195	25	780		
PROVEN 9551 (RT)	—	26	31	31	3,668	9	756		
CANTERRA 1956 (RT)	—	—	—	—	—	32	742		
SP 621 RR (RT)	—	29	34	39	886	23	740		
5505 CL (ST)	—	—	—	—	—	32	648		
ACS-C7 (POLISH)	—	—	—	11	782	3	626		
292CL (ST)	30	23	28	34	666	26	621		
INVIGOR 2573 (LT)	33	26	29	19	1,090	6	613		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡								32.8	3,210,079

WHEAT YIELDS BY VARIETY 2006–2010†						MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
KANE (RS)	—	47	61	53	489,560	42	544,779
HARVEST (RS)	54	46	57	57	357,005	47	415,829
GLENN (RS)	—	—	—	55	91,677	41	407,074
AC BARRIE (RS)	42	38	50	50	426,070	38	255,251
AC DOMAIN (RS)	46	39	51	49	319,751	40	216,932
CDC FALCON (W)	69	69	74	64	162,291	66	163,842
5602HR (RS)	49	45	47	49	167,285	37	143,737
CDC GO (RS)	—	57	57	60	80,922	48	72,505
MCKENZIE (RS)	39	39	43	50	113,653	39	56,757
AC WASKADA (RS)	—	—	—	56	7,442	39	45,238
SUPERB (RS)	47	42	51	51	110,943	37	41,057
CDC BUTEO (W)	56	55	60	54	40,721	58	26,967
AC INTREPID (RS)	48	38	51	50	38,126	40	26,645
SNOWSTAR (HWS)	—	—	60	58	33,934	48	26,390
CDC TEAL (RS)	44	38	50	45	35,760	44	24,702
INFINITY (RS)	57	43	52	52	32,914	46	20,677
WR 859 CL (RS)	—	—	—	52	1,091	43	18,042
AC ANDREW (F)	62	49	61	60	9,649	42	14,857
AC CADILLAC (RS)	35	35	39	42	23,349	31	14,582
CDC ABOUND (RS)	—	—	—	56	8,417	38	14,392
UNITY VB (RS)	—	—	—	58	2,834	45	14,107
AC SPLENDOR (RS)	48	41	55	52	15,965	39	11,875
CDC IMAGINE (RS)	43	35	46	48	21,120	40	11,424
5601HR (RS)	44	41	43	46	27,958	34	11,103
MCCLINTOCK (W)	56	55	60	56	18,793	53	10,922
5603 HR (RS)	—	—	—	—	—	46	8,659
5400IP (RS)	49	40	50	49	10,603	42	8,427
FALLER (F)	—	—	—	—	—	40	8,163
AC CORA (RS)	37	33	42	48	8,913	37	6,440
WFT 409 (F)	—	—	—	—	—	39	5,222
ALVENA (RS)	—	—	—	53	2,211	41	4,844
ALSEN (F)	51	49	56	51	10,310	39	4,458
CDC PTARMIGAN (W)	—	—	—	64	1,277	77	3,934
AC VISTA (PS)	48	44	62	43	6,071	28	3,752
BRIGGS (F)	61	55	54	63	9,512	41	3,608
CDC ALSASK (RS)	—	—	55	50	2,833	35	3,434
WFT 411 (F)	—	—	—	—	—	41	3,320
SNOWBIRD (HWS)	45	41	51	47	6,496	38	3,007
GOODEVE (RS)	—	—	—	57	1,124	43	2,879
FIELDSTAR VB (RS)	—	—	—	—	—	50	2,871
SOMERSET (RS)	40	40	49	49	9,708	44	2,754
HOWARD (F)	—	—	—	—	—	36	2,623
AC TABER (PS)	46	47	51	44	3,219	36	2,463
CDC BOUNTY (RS)	37	34	41	43	11,038	29	2,454
LOVITT (RS)	40	36	42	50	7,837	37	2,364
HY 644 (F)	—	64	51	52	6,466	47	1,831
CDC CLAIR (W)	60	61	58	44	974	54	1,800
5701PR (PS)	54	48	56	48	5,320	46	1,765
CARBERRY (RS)	—	—	—	—	—	44	1,743
5702PR (PS)	—	—	—	—	—	53	1,578
TRAVERSE (F)	—	—	—	31	2,493	41	1,538
CDC RAPTOR (W)	52	53	56	55	3,000	56	1,416
RUSS (F)	50	41	36	40	1,339	38	1,255
SADASH (F)	—	—	—	—	—	45	1,221
BHISHAJ (F)	—	—	—	80	2,576	28	977
BURNSIDE (ES)	—	37	57	63	1,949	40	890
ROBLIN (RS)	37	33	38	44	833	41	796
AC MAJESTIC (RS)	37	30	42	48	1,272	40	740
LILLIAN (RS)	—	41	49	50	1,676	39	610
CDC HARRIER (W)	54	54	66	52	1,473	53	565
MUCHMORE (RS)	—	—	—	—	—	43	537
CDC KESTREL (W)	58	62	65	—	—	68	513
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						43.4	2,727,930

SOYBEAN YIELDS BY VARIETY 2006–2010†						MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
NSC PORTAGE RR (RT)	—	39	36	30	93,451	32	87,653
LS 0065RR (RT)	32	39	34	37	24,408	37	58,780
90M01 (RT)	30	40	32	32	58,295	33	54,574
25-04R (RT)	—	—	35	33	17,963	37	52,322
NSC WARREN RR (RT)	—	—	31	26	31,331	27	50,773
ISISRR (RT)	—	—	—	36	2,905	35	44,032
LS 0036RR (RT)	30	39	33	26	41,169	30	29,476
90A06 (RT)	—	36	33	26	44,876	28	25,105
OAC PRUDENCE	24	34	31	29	16,752	30	24,890
LS 0028RR (RT)	—	—	—	28	6,929	32	12,928
24-52R (RT)	—	—	—	28	11,072	29	12,294
RR ROSCO (RT)	31	29	33	26	9,690	20	10,458
THUNDER 27005RR (RT)	—	—	33	25	5,589	26	5,937
GENTLEMAN	27	34	31	26	4,817	30	5,704

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PR1610 Yield MN Grower\_G\_E

SOYBEAN YIELDS BY VARIETY 2006–2010†							MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
NSC ARGYLE RR (RT)	—	—	—	—	—	39	4,807	
NSC CAREY RR (RT)	—	—	—	37	890	32	4,627	
90A07	31	34	34	32	5,893	32	4,599	
900Y71 (RT)	—	—	—	—	—	33	3,180	
NSC COULEE RR (RT)	—	—	—	—	—	39	2,904	
S00-H7 (RT)	—	—	—	41	582	33	2,467	
OLEXRR (RT)	—	37	33	33	3,491	39	2,405	
RR RUSSELL (RT)	—	—	33	29	4,907	33	1,896	
APOLLO RR (RT)	27	32	31	26	3,109	35	1,586	
THUNDER 29008RR (RT)	—	—	—	—	—	27	1,330	
THUNDER 26005RR (RT)	27	34	32	32	1,390	40	1,188	
90A01	25	31	26	20	2,613	30	1,062	
MONTCALM (RT)	30	35	26	21	3,729	30	1,000	
OAC ERIN	37	39	39	42	1,356	36	994	
25-02R (RT)	29	40	34	30	18,049	40	749	
PS 0027RR (RT)	—	—	—	—	—	35	723	
LS 0045RR (RT)	30	32	29	39	966	41	700	
MK0109A4 (RT)	—	—	—	—	—	37	678	
NSC 2701RR (RT)	—	—	—	—	—	29	676	
TUNDRA	—	—	—	—	—	29	635	
S00-W3 (RT)	—	—	—	—	—	32	620	
ACCORD	34	22	33	29	653	35	538	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							32.3	523,774

OATS YIELDS BY VARIETY 2006–2010†							MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
FURLONG	85	95	110	103	114,638	75	106,748	
LEGGETT	85	100	102	103	82,112	66	95,383	
SOURIS	—	—	139	120	21,136	88	74,738	
PINNACLE	78	91	87	99	53,684	74	52,625	
RONALD	84	94	110	101	60,287	76	51,197	
TRIACTOR	—	—	—	124	3,126	105	26,210	
CDC DANCER	104	103	113	106	17,706	72	12,980	
AC ASSINIBOIA	74	80	90	90	17,952	51	12,870	
TRIPLE CROWN	83	76	95	90	14,760	66	7,815	
HIFI	98	99	110	106	13,635	71	7,532	
JORDAN	—	108	123	108	22,994	61	6,707	
RIEL	74	85	106	97	3,986	44	4,235	
SUMMIT	—	—	—	—	—	97	2,524	
GEHL	—	—	—	65	2,039	57	1,579	
ROBERT	54	83	83	70	2,951	25	1,481	
AC PREAKNESS	42	55	59	70	1,234	41	1,333	
DUMONT	44	53	65	54	1,838	49	783	
CDC BALER	—	—	87	74	801	34	665	
AC MORGAN	—	107	117	—	—	87	560	
DERBY	60	50	84	81	1,037	57	559	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							74.7	476,376

BARLEY* YIELDS BY VARIETY 2006–2010†							MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
CONLON	71	65	75	76	158,371	56	117,411	
NEWDALE	69	62	72	78	56,233	58	46,122	
AC METCALFE	61	50	65	70	71,370	49	45,895	
TRADITION	73	66	76	74	83,357	44	33,286	
CDC COPELAND	67	59	70	74	34,954	45	28,413	
LEGACY	69	64	77	77	42,819	55	23,012	
STELLAR-ND	—	—	—	68	1,270	51	17,624	
CHAMPION	—	—	—	90	501	58	14,042	
CDC COALITION	—	—	—	104	972	73	13,666	
LACEY	68	59	71	72	21,408	53	12,604	
ROBUST	58	51	59	66	20,492	49	12,028	
CDC COWBOY	—	—	57	68	10,909	37	10,937	
CDC TREY	78	62	68	65	16,497	51	10,295	
AC RANGER	66	59	63	63	8,735	46	4,174	
CDC MINDON	—	—	—	79	703	37	3,702	
CDC YORKTON	62	59	71	67	3,976	48	3,081	
CDC STRATUS	63	48	67	66	4,414	33	2,609	
SUNDRE	—	—	63	78	2,598	19	2,096	
EXCEL	65	47	66	67	3,690	29	1,641	
XENA	75	53	69	71	3,852	37	1,530	
CDC MCGWIRE	62	50	76	82	887	83	1,168	
CDC HELGASON	68	57	74	79	2,404	34	1,027	
BENTLEY	—	—	—	—	—	57	958	
CELEBRATION	—	—	—	—	—	65	906	
DESPERADO	—	—	—	—	—	20	903	
AC LACOMBE	58	39	51	45	570	24	736	
CDC BATTLEFORD	59	67	56	66	1,327	26	562	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							51.8	416,325

CORN YIELDS BY VARIETY 2006–2010†							MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
PIONEER 39D97 (BT)(LT)(RT)	—	129	130	36	42,035	121	36,098	
PIONEER 39D95 (RT)	—	117	117	35	26,035	108	32,528	
DEKALB DKC26-79(RT)	113	113	109	59	22,863	105	22,388	
PIONEER 39B94 (BT)(LT)(RT)	—	—	127	52	15,303	117	16,028	
PIONEER P7213R (RT)	—	—	—	47	781	90	11,053	
PIONEER P7535R (RT)	—	—	—	39	2,463	103	5,602	
DEKALB DKC26-78 (RT)	102	115	111	54	5,174	94	4,950	
PRIDE A4176 (BT)(RT)	—	—	—	39	3,698	103	4,822	
PIONEER 39Z69 (RT)	—	—	95	54	3,633	123	4,027	
DEKALB DKC27-33 (RT)(BT)	—	—	—	—	—	118	2,603	
PIONEER 39M26 (RT)	58	106	93	78	3,885	95	2,561	
PIONEER P7535HR (LT)(RT)(BT)	—	—	—	18	1,359	104	2,467	
PIONEER 39B64 (RT)	—	—	110	22	10,601	92	2,067	
HYLAND HL R208 (RT)	—	115	105	59	1,938	108	1,624	
PIONEER 39B90 (RT)	—	—	118	53	3,692	102	1,568	
PIONEER 39M27 (BT)	116	124	112	55	3,523	104	1,396	
PIONEER 39B96 (BT)(LT)	—	125	128	59	3,290	114	975	
LEGEND LR9975R (RT)	—	—	—	—	—	128	872	
PIONEER 3995	—	—	—	—	—	84	730	
PIONEER 39B93	100	128	112	48	2,186	94	676	
PRIDE A4170RR (RT)	—	—	—	71	509	98	560	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							108.5	161,319

FLAX YIELDS BY VARIETY 2006–2010†							MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
CDC BETHUNE	21	22	26	27	154,711	19	63,074	
CDC SORREL	—	25	25	27	40,223	19	35,239	
HANLEY	20	23	23	25	30,205	18	20,399	
LIGHTNING	22	21	27	30	13,831	24	11,189	
PRAIRIE THUNDER	—	—	—	28	5,554	21	6,324	
TAURUS	21	20	24	27	11,299	19	5,702	
NULIN 50	—	—	—	—	—	23	4,270	
PRAIRIE BLUE	20	21	23	25	4,461	14	2,166	
NORLIN	17	17	15	23	2,446	17	1,900	
OMEGA	22	20	29	26	2,113	24	1,231	
AC EMERSON	20	22	22	29	2,521	17	1,093	
AC MCDUFF	21	23	21	19	655	18	626	
GOLDEN	—	—	—	—	—	12	560	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							19.5	156,630

DRY BEAN YIELDS BY VARIETY 2006–2010†							MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
WINDBREAKER (PINTO)	—	1,962	2,176	1,828	32,250	1,691	27,629	
ENVOY (WHITE PEA)	1,739	1,464	1,468	1,475	22,931	1,387	23,267	
ECLIPSE (BLACK)	—	2,070	1,911	1,645	9,308	1,601	12,089	
T9903 (WHITE PEA)	1,922	1,775	1,616	1,770	7,833	1,609	11,401	
MAVERICK (PINTO)	1,834	1,806	2,037	1,528	15,961	1,385	7,863	
PINK PANTHER (KIDNEY)	1,823	1,391	1,515	1,874	9,542	1,426	7,493	
CARGO (WHITE PEA)	1,722	1,429	1,548	1,459	2,652	1,400	5,322	
AC PINTOBA (PINTO)	1,733	1,870	1,969	1,790	7,355	1,506	5,007	
CDC JET (BLACK)	1,673	1,684	1,482	1,565	1,649	1,499	4,527	
LA PAZ (PINTO)	—	—	—	1,656	2,030	1,618	3,890	
T9905 (WHITE PEA)	—	—	—	—	—	2,059	3,342	
ETNA (CRANBERRY)	1,415	930	1,486	—	—	996	2,629	
FLOYD (OTHER)	1,993	1,455	1,960	1,693	1,611	1,929	2,525	
AC OLE (PINTO)	1,905	1,645	2,251	1,925	2,499	2,141	2,437	
LIGHTNING (WHITE PEA)	—	—	—	—	—	1,583	2,290	
MARIAH (PINTO)	—	—	—	—	—	939	2,069	
AC CRUISER (WHITE PEA)	1,812	1,561	1,565	1,367	1,709	906	1,758	
BLACK VIOLET (BLACK)	—	—	1,885	1,437	2,008	1,766	1,204	
OCTANE (WHITE PEA)	—	—	—	1,118	920	1,521	1,017	
ROG 331 (WHITE PEA)	1,724	1,689	1,761	1,435	655	1,834	1,002	
CRAN 09 (CRANBERRY)	1,667	—	1,750	—	—	1,365	871	
ROG 802 (KIDNEY)	1,795	1,415	1,444	1,329	1,183	1,512	802	
AC EARLIED (SMALL RED)	2,024	1,440	1,413	1,510	1,275	1,235	748	
STAMPEDE (PINTO)	—	—	—	—	—	999	580	
FOXFIRE (KIDNEY)	1,781	1,323	1,155	2,172	2,039	2,198	536	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							1515.3	139,668

SUNFLOWER YIELDS BY VARIETY 2006–2010†						MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
SEEDS2000 6946 (C)	2,039	1,576	1,627	1,530	58,148	1,318	72,558
SEEDS2000 JAGUAR (ST) (C)	—	1,508	1,495	1,466	22,217	1,325	18,453
SEEDS2000 6946 DMR (C)	—	—	—	—	—	1,393	5,753
PIONEER 63N82 (O)	—	—	—	—	—	1,340	5,085
INTERSTATE IS 8048 (C)	1,808	1,418	1,250	884	4,364	1,138	3,579



SUNFLOWER YIELDS BY VARIETY 2006–2010†							MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
SEEDS2000 PANTHER (C)	—	1,770	1,179	1,182	8,768	1,283	3,241	
DAHLGREN D-9532 (C)	1,706	1,746	1,122	1,349	4,896	1,387	2,793	
MYCOGEN 8N272 (MO) (O)	—	—	—	1,967	714	1,332	1,978	
CHS RH 3126 (C)	—	—	985	—	—	899	1,865	
SEEDS2000 PANTHER DMR (C)—	—	—	1,631	1,543	1,925	1,127	1,814	
PIONEER 63M80 (MO) (O)	2,394	1,731	1,700	1,365	7,400	1,043	1,551	
MYCOGEN 8N270 (MO) (O)	—	1,711	1,490	1,841	2,133	1,356	1,296	
INTERSTATE IS3480CL (O)	—	—	—	—	—	1,693	1,038	
CHS RH 400CL (CL) (C)	—	—	—	—	—	1,221	683	
MYCOGEN SF270 (O)	1,605	1,506	1,433	1,102	1,306	1,797	679	
DEKALB DKF29-30 (MO) (O)	—	—	—	—	—	1,365	565	
SEEDS2000 DEFENDER PLUS (O)	1,991	1,422	1,402	1,299	3,033	1,162	557	
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§</b>						<b>1312.3</b>	<b>126,043</b>	

FIELD PEA YIELDS BY VARIETY 2006–2010†							MANITOBA	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
CDC MEADOW	—	—	54	52	8,001	34	23,611	
CDC STRIKER	45	47	41	50	9,170	30	12,709	
CDC GOLDEN	48	45	40	49	19,646	30	10,764	
AGASSIZ	—	—	—	48	2,102	37	7,363	
ECLIPSE	43	41	41	53	3,114	35	4,075	
COOPER	50	37	43	50	3,050	38	3,716	
NO VAR	36	29	35	45	2,186	19	2,854	
4010	36	36	36	37	1,978	22	2,131	
MIDAS	40	36	37	35	1,365	25	1,740	
SW SALUTE	42	36	43	50	1,308	38	1,436	
CROMA	46	51	46	67	1,871	50	1,263	
POLSTEAD	57	32	38	54	664	42	1,105	
LIVIOLETTA	43	38	36	44	975	25	1,048	
FUSION	—	49	37	48	1,967	22	972	
THUNDERBIRD	—	—	—	46	1,492	26	832	
SW CAPRI	37	39	52	44	1,399	16	788	
DELTA	40	42	38	38	750	9	770	
CDC ROCKET	—	—	—	—	—	5	707	
EIFFEL	51	46	44	46	2,036	28	705	
TUDOR	45	49	45	44	673	39	635	
ALFETTA	50	46	47	69	1,260	47	585	
DS-ADMIRAL	41	29	44	27	540	14	558	
CUTLASS	46	36	22	—	—	14	501	
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§</b>						<b>31.7</b>	<b>85,655</b>	

## RISK AREA 1

CANOLA YIELDS BY VARIETY 2006–2010†							RISK AREA 1	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
5440 (LT)	—	—	35	41	20,860	29	31,880	
VICTORY V1037 (RT)	—	—	—	38	7,443	18	13,074	
9590 (LT)	—	30	37	39	3,913	30	7,808	
72-55RR (RT)	—	—	—	34	2,240	26	5,720	
45H28 (RT)	—	—	—	39	2,426	25	5,512	
5030 (LT)	27	27	33	39	5,495	28	5,118	
NX4 105 RR	—	—	—	—	—	24	4,686	
71-45RR (RT)	27	27	30	34	6,420	25	4,185	
5770 (LT)	—	—	—	—	—	30	3,507	
5020 (LT)	28	25	35	40	3,745	28	2,545	
72-65 (RT)	—	—	—	—	—	23	2,516	
8440 (LT)	—	—	33	37	9,518	28	2,511	
9553 (RT)	—	—	—	33	786	27	2,496	
1145 (LT)	—	—	—	—	—	26	2,225	
4414 (RT)	—	22	33	36	3,543	23	2,167	
1768S (RT)	—	—	25	41	2,222	20	1,906	
1141 (LT)	—	—	20	—	—	19	1,691	
45H26 (RT)	—	—	29	38	1,032	39	1,098	
45H29 (RT)	—	—	—	—	—	35	902	
D3150 (RT)	—	—	—	36	893	31	865	
6040RR (RT)	—	—	—	—	—	23	859	
46A76 (ST)	19	22	27	33	830	25	765	
6020RR (RT)	—	—	—	—	—	34	710	
9555 (RT)	—	—	—	—	—	34	571	
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§</b>						<b>26.2</b>	<b>110,804</b>	

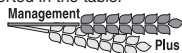
WHEAT YIELDS BY VARIETY 2006–2010†							RISK AREA 1	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
KANE (RS)	—	—	—	46	19,192	33	18,946	
GLENN (RS)	—	—	—	51	1,123	32	16,239	
5602HR (RS)	—	45	41	49	8,721	37	12,982	

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

‡ On system as of January 4, 2011;

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

\* Assuming 48 lbs./bu.



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<sup>1</sup> Developed by Crop Development Centre, University of Saskatchewan.

<sup>2</sup> Developed by Agriculture & Agri-Food Canada, Morden.

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 1	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
MCKENZIE (RS)	34	35	39	46	23,800	34	11,889
AC BARRIE (RS)	33	31	39	43	5,754	40	7,619
AC CADILLAC (RS)	35	35	36	40	9,771	33	7,516
CDC FALCON (W)	48	53	56	46	10,381	51	5,372
MCCLINTOCK (W)	48	52	51	50	5,069	52	5,162
CDC GO (RS)	—	—	36	54	4,832	34	5,152
AC WASKADA (RS)	—	—	—	—	—	25	4,263
CDC BUTEO (W)	46	51	47	48	8,340	53	3,299
HARVEST (RS)	—	—	—	52	3,057	32	2,866
CDC ABOUND (RS)	—	—	—	51	1,067	35	2,060
AC CORA (RS)	30	30	36	47	997	39	1,414
SNOWBIRD (HWS)	30	23	29	44	822	23	1,083
SUPERB (RS)	32	34	45	54	2,128	30	670
WR 859 CL (RS)	—	—	—	—	—	24	527
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>35.9</b>	<b>111,955</b>

OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 1	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
PINNACLE	65	77	71	89	11,699	68	10,725
LEGGETT	—	86	69	89	7,513	68	7,098
FURLONG	62	76	70	78	1,418	61	1,031
JORDAN	—	—	—	—	—	86	588
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>65.9</b>	<b>22,492</b>

BARLEY* YIELDS BY VARIETY 2006–2010†						RISK AREA 1	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CDC COPELAND	53	53	62	76	9,164	40	8,845
TRADITION	—	68	66	64	7,435	33	4,426
AC METCALFE	45	45	52	67	3,462	38	3,030
STELLAR-ND	—	—	—	—	—	41	1,891
CONLON	45	47	49	55	4,983	36	1,508
CDC TREY	—	60	53	66	1,547	44	1,046
LEGACY	59	49	52	—	—	49	843
CDC YORKTON	55	61	55	63	937	21	723
CHAMPION	—	—	—	—	—	43	720
CDC COWBOY	—	—	—	66	791	33	524
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>39.8</b>	<b>27,179</b>

FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 1	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CDC BETHUNE	15	21	21	26	9,984	14	6,592
TAURUS	17	20	20	25	4,498	17	2,651
PRAIRIE THUNDER	—	—	—	26	1,812	12	1,690
CDC SORREL	—	—	—	24	1,774	16	1,315
NULIN 50	—	—	—	—	—	18	886
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>14.8</b>	<b>14,574</b>

SUNFLOWER YIELDS BY VARIETY 2006–2010†						RISK AREA 1	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
SEEDS2000 JAGUAR (ST) (C)	—	—	1,424	1,660	4,745	1,402	6,290
SEEDS2000 6946 (C)	1,246	1,468	1,290	1,653	4,985	1,288	5,395
SEEDS2000 PANTHER (C)	—	—	—	—	—	1,400	1,043
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>1311.3</b>	<b>15,493</b>

FIELD PEA YIELDS BY VARIETY 2006–2010†						RISK AREA 1	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CDC MEADOW	—	—	—	—	—	32	3,819
CDC STRIKER	—	45	—	31	640	23	2,419
CDC GOLDEN	30	45	36	45	2,294	14	1,170
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>25.5</b>	<b>8,520</b>

## RISK AREA 2

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
5440 (LT)	—	—	47	48	105,537	40	107,874
5770 (LT)	—	—	—	—	—	41	40,673
8440 (LT)	—	—	43	46	36,586	42	35,033
5030 (LT)	36	33	44	48	39,381	39	23,994
72-65 (RT)	—	—	—	—	—	37	22,114

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
NX4 105 RR	—	—	—	45	1,215	34	13,243
45H28 (RT)	—	—	39	44	7,268	31	12,617
9590 (LT)	—	31	43	46	15,199	38	11,110
9553 (RT)	—	—	—	43	6,756	37	10,190
72-55RR (RT)	—	—	—	44	8,588	33	9,403
1145 (LT)	—	—	—	—	—	37	8,393
PIONEER 45S51 (RT)	—	—	—	39	4,369	34	4,708
71-45RR (RT)	33	30	40	41	12,663	32	4,287
5020 (LT)	37	30	41	43	9,996	30	3,721
VICTORY V1037 (RT)	—	—	—	39	2,549	30	2,640
D3150 (RT)	—	—	—	42	2,947	32	2,518
46P50 (RT)	—	29	41	45	2,083	35	2,377
1141 (LT)	—	—	38	—	—	33	2,064
9555 (RT)	—	—	—	—	—	32	1,986
1818 (RT)	40	29	33	41	4,935	36	1,932
6020RR (RT)	—	—	—	—	—	37	1,665
45H29 (RT)	—	—	—	—	—	38	1,603
1841 (RT)	37	32	40	40	4,182	36	1,534
34-65 (RT)	33	25	27	—	—	25	1,244
9557S (RT)	—	—	—	—	—	34	1,192
D3151 (RT)	—	—	—	46	3,717	33	1,131
9550 (RT)	27	23	—	41	576	34	993
5525 CL (ST)	—	—	—	—	—	31	979
73-55RR (RT)	—	—	—	—	—	43	844
VICTORY V1040 (RT)	—	—	—	—	—	31	831
45H26 (RT)	—	25	39	46	5,116	37	602
NX4 101 RR	—	—	—	42	9,984	44	595
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>38.1</b>	<b>340,474</b>

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
HARVEST (RS)	42	45	55	61	70,616	48	83,058
KANE (RS)	—	—	53	57	37,294	44	40,706
AC BARRIE (RS)	37	36	51	59	49,913	47	31,739
MCKENZIE (RS)	39	40	42	54	43,365	44	26,963
GLENN (RS)	—	—	—	62	5,087	44	26,617
CDC GO (RS)	—	43	52	60	21,719	49	23,515
AC WASKADA (RS)	—	—	—	59	3,075	42	17,511
5602HR (RS)	41	40	47	54	18,101	43	15,626
CDC FALCON (W)	57	65	68	71	26,175	67	12,799
SNOWSTAR (HWS)	—	—	57	60	9,615	54	8,005
INFINITY (RS)	—	39	46	59	8,406	47	7,627
CDC BUTEO (W)	55	60	60	56	8,493	66	5,881
SUPERB (RS)	39	40	48	60	11,255	41	4,864
CDC ABOUND (RS)	—	—	—	—	—	42	3,702
CDC IMAGINE (RS)	38	31	39	57	4,281	42	3,323
AC ANDREW (F)	—	40	68	74	790	60	2,619
AC DOMAIN (RS)	39	39	47	57	4,508	41	2,481
AC CORA (RS)	33	34	40	48	2,838	33	1,895
AC CADILLAC (RS)	37	—	37	48	3,256	24	1,578
MCCLINTOCK (W)	53	57	63	65	3,375	61	1,482
WR 859 CL (RS)	—	—	—	—	—	56	1,096
5603 HR (RS)	—	—	—	—	—	50	981
SNOWBIRD (HWS)	39	34	43	43	2,648	44	927
CDC PTARMIGAN (W)	—	—	—	—	—	84	799
FIELDSTAR VB (RS)	—	—	—	—	—	51	787
UNITY VB (RS)	—	—	—	—	—	49	739
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>47.1</b>	<b>330,940</b>

SOYBEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
LS 0036RR (RT)	—	—	—	34	701	38	795
NSC WARREN RR (RT)	—	—	—	29	1,607	32	507
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>36.2</b>	<b>2,562</b>

OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
PINNACLE	82	103	98	128	12,252	101	14,227
FURLONG	78	100	118	130	3,393	87	3,742
LEGGETT	—	106	96	101	4,446	95	2,546
SOURIS	—	—	—	135	710	112	1,897
RONALD	67	94	91	111	1,385	72	1,234
HIFI	107	96	101	98	3,106	66	777
JORDAN	—	—	98	97	1,139	73	530
<b>WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§</b>						<b>96.2</b>	<b>25,738</b>

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.



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BARLEY* YIELDS BY VARIETY 2006–2010†								RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
NEWDALE	71	69	79	90	12,213	68	11,300		
TRADITION	64	69	67	82	19,682	53	6,717		
STELLAR-ND	—	—	—	—	—	54	6,473		
CHAMPION	—	—	—	—	—	72	4,347		
CONLON	71	66	70	80	5,725	77	3,413		
CDC COPELAND	65	60	74	88	3,581	63	2,431		
LEGACY	58	68	74	94	4,721	56	2,218		
LACEY	57	63	75	80	2,955	68	1,697		
AC METCALFE	50	50	58	71	2,984	61	1,632		
CDC COWBOY	—	—	30	75	1,568	36	1,388		
AC RANGER	69	74	69	86	1,519	56	1,111		
ROBUST	57	51	54	70	929	47	707		
CDC HELGASON	75	64	84	76	550	45	510		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						62.8	47,580		

CORN YIELDS BY VARIETY 2006–2010†								RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
PIONEER P7213R (RT)	—	—	—	—	—	81	674		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						84.0	774		

FLAX YIELDS BY VARIETY 2006–2010†								RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
CDC BETHUNE	23	24	26	31	22,943	22	10,648		
CDC SORREL	—	—	24	27	5,664	20	6,336		
HANLEY	21	25	23	26	4,511	26	3,013		
NULIN 50	—	—	—	—	—	24	1,638		
LIGHTNING	22	21	26	—	—	27	1,009		
AC EMERSON	19	24	20	29	1,470	21	612		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						22.7	24,510		

SUNFLOWER YIELDS BY VARIETY 2006–2010†								RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
SEEDS2000 6946 (C)	1,664	1,437	1,629	1,922	10,034	1,453	15,363		
SEEDS2000 JAGUAR (ST) (C)	—	—	1,744	1,750	2,095	1,199	1,608		
INTERSTATE IS 8048 (C)	1,391	—	946	1,378	614	688	988		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						1411.8	20,187		

FIELD PEA YIELDS BY VARIETY 2006–2010†								RISK AREA 2	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
CDC STRIKER	53	54	39	61	4,470	40	6,428		
CDC MEADOW	—	—	—	58	2,414	36	6,150		
CDC GOLDEN	52	48	41	50	6,396	29	2,506		
CROMA	51	52	46	67	1,871	50	1,173		
POLSTEAD	—	33	42	—	—	33	765		
AGASSIZ	—	—	—	—	—	27	760		
EIFFEL	51	49	48	62	1,193	28	705		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						36.3	20,197		

## RISK AREA 3

CANOLA YIELDS BY VARIETY 2006–2010†								RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
5440 (LT)	—	—	42	44	29,986	34	30,607		
9590 (LT)	—	26	43	44	8,012	39	10,529		
45H28 (RT)	—	—	—	42	4,028	34	9,135		
5770 (LT)	—	—	—	—	—	37	7,080		
9553 (RT)	—	—	—	37	3,256	35	6,452		
72-55RR (RT)	—	—	—	43	2,383	26	5,991		
5030 (LT)	32	27	42	41	8,426	31	5,069		
71-45RR (RT)	30	27	37	42	8,010	29	4,376		
72-65 (RT)	—	—	—	—	—	35	4,357		
5020 (LT)	34	26	39	42	5,790	32	3,843		
8440 (LT)	—	—	35	49	3,319	40	2,711		
D3150 (RT)	—	—	—	42	2,366	37	2,526		
9555 (RT)	—	—	—	—	—	27	2,478		
VICTORY V1037 (RT)	—	—	—	41	2,915	17	2,377		
45H29 (RT)	—	—	—	—	—	36	2,076		
NX4 105 RR	—	—	—	43	1,864	39	2,054		
46P50 (RT)	—	30	42	45	2,097	34	1,917		
1818 (RT)	—	27	37	35	681	33	1,886		
6040RR (RT)	—	—	—	—	—	28	1,734		
4414 (RT)	—	—	42	38	3,057	24	1,666		

CANOLA YIELDS BY VARIETY 2006–2010†								RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
45H73 (ST)	—	—	34	—	—	34	1,504		
6020RR (RT)	—	—	—	—	—	23	1,433		
45H26 (RT)	—	—	37	44	2,209	34	1,259		
34-65 (RT)	28	22	34	38	2,493	30	1,010		
1145 (LT)	—	—	—	—	—	26	931		
RUGBY (RT)	—	—	30	38	617	19	894		
1141 (LT)	—	—	37	40	2,553	33	789		
5525 CL (ST)	—	—	—	—	—	17	785		
EXCEED (LT)	—	—	—	21	711	11	760		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						32.6	123,718		

WHEAT YIELDS BY VARIETY 2006–2010†								RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
KANE (RS)	—	—	52	51	12,480	37	18,111		
AC BARRIE (RS)	36	29	42	47	16,549	38	15,091		
5602HR (RS)	45	38	44	47	10,642	41	14,436		
HARVEST (RS)	—	—	54	44	7,872	37	11,294		
GLENN (RS)	—	—	—	55	979	39	6,612		
CDC GO (RS)	—	—	55	56	4,598	39	6,277		
UNITY VB (RS)	—	—	—	—	—	43	5,019		
MCKENZIE (RS)	42	34	44	53	9,664	35	3,832		
CDC FALCON (W)	49	54	58	50	5,229	55	3,182		
SUPERB (RS)	38	28	44	43	4,196	33	3,069		
CDC BUTEO (W)	40	55	64	50	4,798	62	2,998		
CDC TEAL (RS)	36	34	40	41	2,508	40	2,776		
AC WASKADA (RS)	—	—	—	—	—	40	2,223		
AC CADILLAC (RS)	33	30	42	39	3,645	32	2,043		
AC ANDREW (F)	—	—	62	—	—	25	1,884		
AC DOMAIN (RS)	34	33	41	38	7,058	30	1,825		
INFINITY (RS)	—	42	50	46	3,961	33	1,443		
CDC BOUNTY (RS)	32	27	41	38	3,104	28	1,329		
AC VISTA (PS)	—	—	53	15	1,784	29	1,324		
AC INTREPID (RS)	41	35	51	48	5,944	38	1,209		
LOVITT (RS)	—	33	36	45	2,366	35	1,089		
CDC IMAGINE (RS)	39	29	37	39	994	50	795		
MCCLINTOCK (W)	54	55	59	42	1,943	63	650		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						39.1	112,736		

SOYBEAN YIELDS BY VARIETY 2006–2010†								RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
LS 0036RR (RT)	—	—	—	22	2,592	29	974		
THUNDER 27005RR (RT)	—	—	—	—	—	29	548		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						29.5	1,986		

OATS YIELDS BY VARIETY 2006–2010†								RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
LEGGETT	—	97	97	86	3,509	79	2,492		
SOURIS	—	—	—	95	684	88	2,484		
PINNACLE	70	73	79	64	3,091	65	2,378		
CDC DANCER	—	85	89	52	701	52	905		
FURLONG	49	68	87	42	812	61	697		
HIFI	—	—	—	110	964	70	658		
TRIPLE CROWN	59	67	69	71	1,345	66	586		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						70.0	13,170		

BARLEY* YIELDS BY VARIETY 2006–2010†								RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres		
AC METCALFE	57	44	65	66	10,117	47	7,188		
CDC COPELAND	65	54	66	68	5,082	47	6,767		
NEWDALE	47	49	69	64	3,180	52	3,264		
CDC TREY	—	55	60	63	3,827	55	2,822		
CONLON	56	47	61	64	5,749	36	1,556		
CDC COWBOY	—	—	—	62	882	39	1,364		
CHAMPION	—	—	—	—	—	67	1,253		
LACEY	58	48	60	68	1,251	53	1,253		
LEGACY	69	65	89	66	1,732	54	1,231		
STELLAR-ND	—	—	—	—	—	49	1,187		
SUNDRE	—	—	61	73	1,878	24	1,075		
AC RANGER	66	60	73	57	2,784	51	974		
TRADITION	—	—	76	74	4,158	48	850		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						48.8	33,971		

FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CDC BETHUNE	21	19	25	28	8,171	18	3,535
PRAIRIE THUNDER	—	—	—	32	615	22	1,611



FLAX YIELDS BY VARIETY 2006–2010†							RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
CDC SORREL	—	—	23	22	3,737	17	1,031	
NULIN 50	—	—	—	—	—	24	537	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							19.4	7,644

SUNFLOWER YIELDS BY VARIETY 2006–2010†							RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
SEEDS2000 JAGUAR (ST) (C)	—	—	—	2,191	1,805	1,052	1,808	
SEEDS2000 6946 (C)	—	—	—	—	—	1,475	577	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							1175.1	2,535

FIELD PEA YIELDS BY VARIETY 2006–2010†							RISK AREA 3	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
CDC MEADOW	—	—	—	48	1,499	30	2,965	
CDC GOLDEN	—	39	43	43	1,737	19	1,893	
AGASSIZ	—	—	—	—	—	40	809	
ECLIPSE	38	42	46	—	—	41	670	
THUNDERBIRD	—	—	—	52	740	23	590	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							27.4	8,451

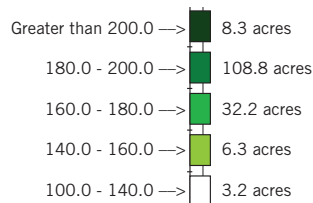
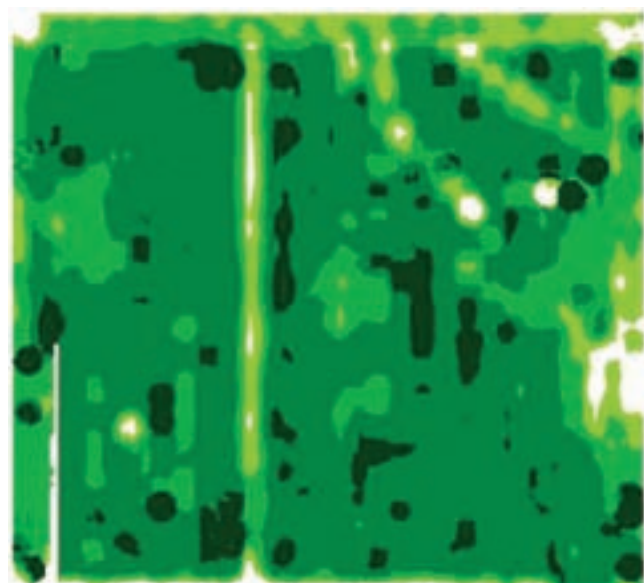
## RISK AREA 4

CANOLA YIELDS BY VARIETY 2006–2010†							RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
5440 (LT)	—	—	45	48	51,460	41	60,996	
8440 (LT)	—	—	41	48	12,841	40	12,308	
5770 (LT)	—	—	—	—	—	44	12,274	

CANOLA YIELDS BY VARIETY 2006–2010†							RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
72-65 (RT)	—	—	—	49	810	33	10,497	
9553 (RT)	—	—	—	44	8,040	32	9,329	
9590 (LT)	—	33	43	47	11,333	38	9,004	
72-55RR (RT)	—	—	—	42	3,025	31	8,436	
1145 (LT)	—	—	—	—	—	44	6,698	
45H28 (RT)	—	—	—	44	6,033	36	6,494	
5030 (LT)	38	32	42	47	12,078	39	4,975	
45H29 (RT)	—	—	—	—	—	34	4,907	
NX4 105 RR	—	—	—	49	2,149	38	4,287	
9555 (RT)	—	—	—	—	—	34	3,242	
VICTORY V1037 (RT)	—	—	—	39	2,018	32	3,092	
71-45RR (RT)	35	30	38	39	9,465	32	2,636	
PIONEER 455S1 (RT)	—	—	—	—	—	37	2,327	
45H21 (RT)	34	28	39	44	2,050	34	2,234	
D3151 (RT)	—	—	—	44	802	29	1,846	
34-65 (RT)	32	26	31	38	1,478	26	1,424	
46P50 (RT)	—	32	40	46	1,976	39	1,394	
NEXERA NX4-205CL (ST)	—	—	—	—	—	25	1,373	
5020 (LT)	36	28	41	46	5,814	31	1,330	
1141 (LT)	—	—	33	42	2,354	38	1,207	
VICTORY V2030 (RT)	—	—	—	40	3,713	38	1,186	
D3150 (RT)	—	—	—	40	982	34	1,166	
45H73 (ST)	—	—	42	44	985	35	1,154	
6040RR (RT)	—	—	—	—	—	42	1,089	
45H26 (RT)	—	—	40	45	1,462	37	828	
CANTERRA 1950 (RT)	—	—	—	—	—	35	720	
4414 (RT)	—	26	35	35	702	28	673	
1841 (RT)	33	28	38	42	1,472	33	606	
VICTORY V1040 (RT)	—	—	—	—	—	43	600	
73-55RR (RT)	—	—	—	—	—	38	575	
1768S (RT)	—	—	—	31	522	37	560	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							37.7	188,368

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.



**Summary of Souris Oats on  
Smith Family Farm 2010**  
Ave. Yield 176 bushels/acre  
Bushel Weight 42 lbs  
Thins 4.8%  
Harvest Date August 25, 2010

## New Souris Oats

• Shorter • Heavier • Earlier  
**A Made for Manitoba Oat!**

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



• **Excellent Yielding Oat in  
Yield MB 2009**  
(MB Crop Ins. Real Farm Yields)

• **Shortest Oat on the Market!**

• **Heaviest test weight  
with smaller seed**

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

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

*Please Consider  
Booking Early*



WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
KANE (RS)	—	—	—	52	23,586	43	37,844
HARVEST (RS)	46	43	51	56	24,000	52	30,090
AC BARRIE (RS)	40	34	48	49	46,139	42	25,552
GLENN (RS)	—	—	—	56	2,553	46	22,626
AC DOMAIN (RS)	43	38	48	52	14,861	49	14,829
5602HR (RS)	46	41	46	47	19,715	38	13,524
CDC FALCON (W)	56	60	65	68	12,562	71	9,349
AC WASKADA (RS)	—	—	—	—	—	45	7,475
CDC BUTEO (W)	49	48	57	50	4,517	52	5,764
MCKENZIE (RS)	40	40	47	52	10,137	34	4,770
CDC GO (RS)	—	—	54	57	7,890	49	4,741
SNOWSTAR (HWS)	—	—	—	58	5,637	48	4,051
AC ANDREW (F)	—	—	55	63	2,155	38	2,673
SUPERB (RS)	44	41	51	53	9,647	42	2,582
SOMERSET (RS)	—	34	44	—	—	43	1,594
UNITY VB (RS)	—	—	—	60	682	39	1,272
WR 859 CL (RS)	—	—	—	—	—	36	1,221
AC CADILLAC (RS)	41	36	40	49	1,325	33	621
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						46.0	199,543

SOYBEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
LS 0036RR (RT)	—	—	—	31	2,309	42	1,785
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						37.0	2,884

OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
FURLONG	78	79	97	75	4,155	79	4,210
LEGGETT	—	87	87	89	2,897	62	3,455
PINNACLE	76	83	90	66	3,175	66	2,006
SOURIS	—	—	—	106	1,446	102	1,879
RONALD	73	71	86	50	506	11	608
HIFI	75	—	—	94	996	95	510
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						72.0	14,128

BARLEY* YIELDS BY VARIETY 2006–2010†						RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CONLON	72	66	75	73	20,123	68	11,632
AC METCALFE	58	56	63	77	9,731	58	6,914
NEWDALE	68	64	70	80	8,167	52	5,924
LACEY	64	57	71	72	6,938	54	4,966
LEGACY	74	67	74	73	5,419	63	2,431
TRADITION	65	61	65	72	1,764	46	2,377
CDC COWBOY	—	—	—	53	861	53	1,485
CDC COPELAND	—	—	—	64	645	52	1,252
SUNDRE	—	—	—	—	—	14	881
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						57.7	43,278

CORN YIELDS BY VARIETY 2006–2010†						RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
DEKALB DKC26-79(RT)	—	—	84	90	4,348	98	4,427
PIONEER 39D95 (RT)	—	—	130	—	—	91	1,660
PIONEER P7213R (RT)	—	—	—	—	—	87	998
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						95.1	8,870

FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CDC BETHUNE	25	22	25	29	21,055	22	7,930
CDC SORREL	—	—	26	27	1,497	21	2,658
LIGHTNING	—	19	24	29	3,875	27	1,620
PRAIRIE THUNDER	—	—	—	—	—	32	1,432
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						23.7	13,974

DRY BEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
WINDBREAKER (PINTO)	—	—	—	—	—	1,462	715
LIGHTNING (WHITE PEA)	—	—	—	—	—	1,898	610
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						1563.6	3,125

SUNFLOWER YIELDS BY VARIETY 2006–2010†						RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
SEEDS2000 6946 (C)	1,676	1,607	1,475	1,746	3,998	1,523	7,107
SEEDS2000 JAGUAR (ST) (C)	—	—	1,327	1,669	2,771	1,748	1,432
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						1496.9	11,514

FIELD PEA YIELDS BY VARIETY 2006–2010†						RISK AREA 4	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CDC MEADOW	—	—	—	48	1,474	31	2,981
CDC GOLDEN	55	41	33	46	2,051	49	809
ECLIPSE	47	46	34	52	547	22	700
AGASSIZ	—	—	—	—	—	54	650
MIDAS	—	37	—	—	—	20	506
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						34.5	6,482

## RISK AREA 5

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
5440 (LT)	—	—	49	50	67,794	47	73,472
8440 (LT)	—	—	53	52	46,582	50	50,174
5770 (LT)	—	—	—	—	—	48	44,470
72-65 (RT)	—	—	—	47	1,871	42	31,438
NX4 105 RR	—	—	—	44	3,285	41	19,498
9590 (LT)	—	32	45	47	11,122	45	14,839
5030 (LT)	41	34	50	49	28,852	46	13,770
5020 (LT)	40	33	48	48	30,862	45	13,615
9553 (RT)	—	—	—	41	11,041	38	12,021
45H26 (RT)	—	32	45	48	20,331	45	11,215
45H28 (RT)	—	—	53	46	7,257	45	10,738
72-55RR (RT)	—	—	45	45	13,627	40	10,316
PIONEER 45S51 (RT)	—	—	—	48	4,107	44	7,966
71-45RR (RT)	34	33	41	45	24,778	41	6,202
1145 (LT)	—	—	—	—	—	48	5,868
45H29 (RT)	—	—	—	—	—	48	5,799
46P50 (RT)	—	31	45	44	5,063	40	4,841
6040RR (RT)	—	—	—	—	—	42	3,703
34-65 (RT)	38	29	40	42	5,170	36	3,681
VICTORY V1037 (RT)	—	—	—	43	1,482	33	3,264
D3151 (RT)	—	—	—	42	2,818	36	1,417
D3150 (RT)	—	—	—	44	2,034	50	1,364
45H21 (RT)	36	33	41	42	1,243	47	1,206
VICTORY V2030 (RT)	—	—	—	41	5,721	32	1,197
9555 (RT)	—	—	—	—	—	30	1,040
1818 (RT)	34	28	44	46	984	45	1,038
1841 (RT)	40	32	44	46	2,493	44	1,024
NEXERA NX4-205CL (ST)	—	—	—	—	—	37	875
73-55RR (RT)	—	—	—	—	—	44	767
PROVEN 9552RR (HT)	—	—	—	—	—	35	764
VICTORY V1040 (RT)	—	—	—	—	—	44	754
5525 CL (ST)	—	—	—	—	—	35	706
CANTERRA 1950 (RT)	—	—	—	—	—	33	705
6020RR (RT)	—	—	—	—	—	36	671
73-45RR (RT)	—	—	—	—	—	31	660
45H73 (ST)	—	32	47	47	518	41	653
NEXERA NX4-106RR (RT)	—	—	—	—	—	47	553
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						44.8	368,877

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
KANE (RS)	—	—	66	61	65,173	50	84,511
HARVEST (RS)	49	53	60	66	59,892	59	84,311
AC DOMAIN (RS)	45	41	55	59	61,877	50	41,662
GLENN (RS)	—	—	—	64	6,009	50	35,811
CDC FALCON (W)	68	64	75	73	32,322	73	23,039
5602HR (RS)	49	45	53	57	14,901	47	11,460
AC BARRIE (RS)	40	38	55	58	21,037	45	11,418
INFINITY (RS)	—	48	58	56	5,608	56	4,355
SNOWSTAR (HWS)	—	—	—	60	5,114	55	2,607
CDC GO (RS)	—	61	67	72	6,747	63	2,573
MCKENZIE (RS)	40	43	48	49	8,610	42	2,425
CDC ABOUND (RS)	—	—	—	61	2,713	53	2,358
AC WASKADA (RS)	—	—	—	—	—	42	1,974
CDC BUTEO (W)	60	57	72	67	3,898	73	1,801
5603 HR (RS)	—	—	—	—	—	59	1,341
5601HR (RS)	41	37	44	48	4,374	42	1,303
CDC IMAGINE (RS)	45	39	57	48	2,547	51	1,194

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.





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WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
AC CORA (RS)	36	41	48	56	1,700	47	1,076
AC CADILLAC (RS)	32	39	46	50	2,028	35	835
MCCLINTOCK (W)	60	58	71	70	750	79	591
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						54.1	321,981

SOYBEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
LS 0065RR (RT)	—	—	—	41	817	32	1,691
ISISRR (RT)	—	—	—	—	—	30	1,425
LS 0036RR (RT)	—	—	—	28	1,720	38	1,275
90A06 (RT)	—	—	29	26	2,860	34	1,034
NSC WARREN RR (RT)	—	—	—	—	—	32	770
90M01 (RT)	28	34	34	—	—	33	655
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						33.1	9,001

OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
FURLONG	87	94	106	108	11,681	96	9,376
SOURIS	—	—	—	117	2,140	102	3,862
LEGGETT	—	107	110	120	1,865	88	1,800
HIFI	100	111	113	138	1,502	107	977
CDC DANCER	—	134	133	121	926	82	771
RONALD	80	95	117	89	1,908	90	711
JORDAN	—	—	122	99	1,183	80	695
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						94.5	19,249

BARLEY* YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
CONLON	74	64	82	85	27,147	76	22,109
NEWDALÉ	65	69	82	91	9,119	74	8,068
ROBUST	61	60	76	84	5,970	75	5,197
TRADITION	—	60	78	84	6,637	66	2,785
CHAMPION	—	—	—	—	—	81	1,151
AC METCALFE	52	53	74	80	1,901	68	1,024
STELLAR-ND	—	—	—	—	—	72	883
LEGACY	63	62	73	78	1,545	61	866
CDC COWBOY	—	—	—	83	621	59	748
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						73.4	45,148

CORN YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
PIONEER 39D95 (RT)	—	—	77	47	672	121	1,356
DEKALB DKC26-79(RT)	109	109	70	71	1,419	135	1,166
PIONEER 39D97 (BT)(LT)(RT)	—	—	112	117	732	115	716
DEKALB DKC26-78 (RT)	—	106	—	85	953	80	677
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						116.0	5,559

FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
LIGHTNING	23	22	27	33	5,879	28	4,801
CDC BETHUNE	19	27	26	28	9,549	24	3,095



## 2011 Production Contracts Available

<b>PINTO</b> Pintoba Windbreaker	<b>BLACK</b> Eclipse LIGHT RED KIDNEY Pink Panther	<b>PINK</b> Pink Floyd CRANBERRY Cran 09 Etna	<b>GREAT NORTHERN</b> Beryl
--	--	---	--------------------------------

\*Please call to inquire about other varieties not listed"

**Tina Scott 204-829-2326 or Gord Sisson 204-758-3597**



FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
HANLEY	23	23	26	29	3,852	25	1,739
CDC SORREL	—	25	26	26	2,895	21	1,262
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						25.2	12,572

DRY BEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
T9903 (WHITE PEA)	1,861	1,638	1,801	2,357	929	2,075	2,874
AC PINTOBA (PINTO)	—	—	—	1,638	1,057	1,299	1,884
ENVOY (WHITE PEA)	1,400	1,431	1,709	1,746	1,313	1,964	1,638
WINDBREAKER (PINTO)	—	—	—	1,559	956	1,228	1,351
T9905 (WHITE PEA)	—	—	—	—	—	2,235	981
MAVERICK (PINTO)	1,519	1,684	—	2,251	933	2,557	514
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						1816.6	9,476

SUNFLOWER YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
SEEDS2000 6946 (C)	2,183	1,781	1,779	1,418	9,888	1,636	9,919
PIONEER 63N82 (O)	—	—	—	—	—	1,510	2,174
SEEDS2000 JAGUAR (ST) (C)	—	—	1,706	1,757	1,566	1,385	1,955
INTERSTATE IS3480CL (O)	—	—	—	—	—	1,759	748
INTERSTATE IS 8048 (C)	1,863	—	—	—	—	1,991	645
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						1574.6	19,525

FIELD PEA YIELDS BY VARIETY 2006–2010†						RISK AREA 5	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
CDC GOLDEN	—	46	46	58	1,881	57	1,056
CDC MEADOW	—	—	—	—	—	45	1,002
AGASSIZ	—	—	—	—	—	41	639
TUDOR	—	50	53	—	—	39	635
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						49.0	3,718

## RISK AREA 6

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 6	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
5440 (LT)	—	—	46	50	60,160	38	68,971
45H28 (RT)	—	—	45	48	19,700	37	21,512
72-55RR (RT)	—	—	—	46	10,325	32	21,350
8440 (LT)	—	—	44	47	24,845	38	19,224
5770 (LT)	—	—	—	—	—	40	16,925
72-65 (RT)	—	—	—	42	1,029	35	15,997
5030 (LT)	42	32	45	47	24,426	37	14,807
45H29 (RT)	—	—	—	—	—	38	13,819
9553 (RT)	—	—	—	44	7,452	32	10,857
5020 (LT)	39	28	42	45	22,063	34	9,703
NX4 105 RR	—	—	—	43	6,356	37	9,638
45H73 (ST)	—	32	41	48	6,578	34	9,210
VICTORY V1037 (RT)	—	—	—	44	6,789	28	8,580
9590 (LT)	—	31	42	44	5,361	38	6,036
71-45RR (RT)	39	28	40	43	20,523	29	4,440
D3150 (RT)	—	—	—	43	3,685	35	4,132
D3151 (RT)	—	—	—	52	2,440	33	3,588
45H26 (RT)	—	34	42	41	5,388	28	3,080
9557S (RT)	—	—	—	—	—	35	2,890
9555 (RT)	—	—	—	—	—	31	2,487
1841 (RT)	43	31	39	45	3,156	31	2,370
4414 (RT)	—	—	35	40	2,455	27	2,340
1145 (LT)	—	—	—	—	—	40	2,083
PIONEER 45S51 (RT)	—	—	—	45	1,837	33	1,728
6020RR (RT)	—	—	—	—	—	32	1,698
34-65 (RT)	36	28	33	37	4,094	30	1,498
46A76 (ST)	34	24	33	26	1,727	19	1,488
46P50 (RT)	—	31	40	44	1,839	32	1,380
93H01RR (RT)	—	—	—	45	936	36	1,343
1852H (RT)	—	—	39	39	2,232	36	1,240
NEX 845CL (ST)	—	31	37	41	7,844	39	1,107
997RR (RT)	—	—	37	41	2,164	24	1,101
1141 (LT)	—	—	30	46	3,517	36	1,097
PROVEN 9552RR (HT)	—	—	—	35	957	26	1,008
43H57	—	—	—	41	1,371	21	934
NEXERA NX4-205CL (ST)	—	—	—	—	—	28	914
45A71 (ST)	—	22	—	—	—	25	850
6040RR (RT)	—	—	—	—	—	33	830

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.





CANOLA YIELDS BY VARIETY 2006–2010†							RISK AREA 6	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
CANTERRA 1950 (RT)	—	—	—	—	—	35	757	
VICTORY V1040 (RT)	—	—	—	—	—	41	735	
1818 (RT)	—	27	37	35	1,567	23	725	
4424 RR (RT)	—	—	—	—	—	24	713	
71-40CL (ST)	—	—	—	—	—	15	704	
45H21 (RT)	35	30	38	47	571	27	666	
45P70 (ST)	—	30	38	—	—	26	516	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							35.2	305,940

WHEAT YIELDS BY VARIETY 2006–2010†							RISK AREA 6	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
KANE (RS)	—	—	53	53	37,094	41	55,236	
5602HR (RS)	51	39	47	52	25,844	41	31,306	
GLENN (RS)	—	—	—	52	6,873	44	29,214	
AC DOMAIN (RS)	43	37	47	48	40,908	39	25,933	
HARVEST (RS)	—	—	52	56	13,563	42	20,860	
AC INTREPID (RS)	51	45	54	56	14,266	43	13,813	
AC BARRIE (RS)	39	32	47	49	18,443	39	10,505	
CDC GO (RS)	—	—	50	57	10,866	47	10,250	
SNOWSTAR (HWS)	—	—	—	58	8,386	44	7,948	
SUPERB (RS)	48	40	50	54	20,514	45	5,777	
CDC FALCON (W)	65	59	62	58	11,058	72	5,113	
AC ANDREW (F)	—	48	60	58	4,929	42	4,762	
AC WASKADA (RS)	—	—	—	53	611	36	4,190	
5601HR (RS)	49	35	48	52	5,338	37	3,767	
CDC BUTEO (W)	55	56	58	55	3,692	57	3,355	
MCKENZIE (RS)	46	40	49	51	7,720	43	3,188	
BRIGGS (F)	—	61	75	75	1,977	51	2,443	
WFT 411 (F)	—	—	—	—	—	48	2,143	
WFT 409 (F)	—	—	—	—	—	41	2,077	
CDC ALSASK (RS)	—	—	54	52	1,519	42	2,035	
CDC ABOUND (RS)	—	—	—	48	1,739	38	2,021	
CDC IMAGINE (RS)	48	39	46	45	2,419	39	1,656	
WR 859 CL (RS)	—	—	—	—	—	48	1,570	
CDC TEAL (RS)	38	33	45	49	3,749	32	1,340	
RUSS (F)	48	41	39	43	1,214	38	1,255	
5701PR (PS)	52	53	56	55	2,703	54	1,235	
CDC PTARMIGAN (W)	—	—	—	—	—	80	1,150	
5603 HR (RS)	—	—	—	—	—	43	1,019	
AC CADILLAC (RS)	32	34	37	37	2,472	26	1,015	
UNITY VB (RS)	—	—	—	—	—	38	858	
AC SPLENDOR (RS)	35	24	48	33	1,272	31	772	
GOODEVE (RS)	—	—	—	—	—	40	593	
AC CORA (RS)	38	27	42	37	738	31	520	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							42.8	266,902

OATS YIELDS BY VARIETY 2006–2010†							RISK AREA 6	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
LEGGETT	—	88	106	102	6,125	80	6,422	
PINNACLE	96	87	106	112	5,971	96	3,608	
TRIPLE CROWN	104	87	118	108	6,458	91	2,838	
CDC DANCER	130	106	120	118	3,738	88	2,712	
FURLONG	90	83	111	97	5,217	77	2,221	
SOURIS	—	—	—	—	—	75	2,082	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							83.1	21,680

BARLEY* YIELDS BY VARIETY 2006–2010†							RISK AREA 6	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
AC METCALFE	66	50	66	71	18,670	50	12,058	
NEWDAL	68	53	67	74	6,985	51	9,485	
LEGACY	77	65	80	81	14,300	56	6,409	
CONLON	88	62	73	85	7,866	46	5,548	
CDC TREY	80	62	74	67	5,918	49	4,116	
CDC COPELAND	77	62	68	77	2,038	55	1,795	
CHAMPION	—	—	—	—	—	73	1,669	
CDC COWBOY	—	—	71	77	1,612	20	1,353	
XENA	77	53	74	76	3,499	42	1,070	
TRADITION	—	57	80	75	2,910	52	921	
LACEY	81	54	70	75	1,392	45	531	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							50.3	47,876

FLAX YIELDS BY VARIETY 2006–2010†							RISK AREA 6	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
CDC BETHUNE	26	23	26	28	27,676	21	11,413	
CDC SORREL	—	—	26	29	6,031	22	5,711	
HANLEY	25	22	25	27	2,495	26	1,458	
PRAIRIE THUNDER	—	—	—	—	—	26	591	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							21.9	20,639

SUNFLOWER YIELDS BY VARIETY 2006–2010†							RISK AREA 6	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
SEEDS2000 6946 (C)	2,163	2,035	1,742	1,907	1,297	1,082	2,145	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							1231.7	3,669

FIELD PEA YIELDS BY VARIETY 2006–2010†							RISK AREA 6	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
CDC GOLDEN	—	44	42	49	2,853	28	2,223	
ECLIPSE	51	42	38	54	1,502	40	2,203	
CDC MEADOW	—	—	—	55	1,102	37	1,952	

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.



FIELD PEA YIELDS BY VARIETY 2006–2010†							RISK AREA 6	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
COOPER	—	43	43	57	1,415	42	1,896	
AGASSIZ	—	—	—	—	—	41	1,193	
MIDAS	45	37	32	31	953	35	730	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							34.2	13,610

## RISK AREA 7

CANOLA YIELDS BY VARIETY 2006–2010†							RISK AREA 7	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
5440 (LT)	—	—	47	49	34,044	41	40,645	
45H28 (RT)	—	—	—	44	7,488	37	14,472	
NX4 105 RR	—	—	—	45	9,931	38	14,132	
72-65 (RT)	—	—	—	45	788	39	10,365	
8440 (LT)	—	—	48	50	14,275	42	8,471	
5770 (LT)	—	—	—	—	—	41	8,206	
72-55RR (RT)	—	—	—	46	5,833	31	7,207	
71-45RR (RT)	42	28	40	44	11,936	32	4,739	
5020 (LT)	43	28	43	40	6,763	39	4,422	
5030 (LT)	41	31	44	46	13,802	39	3,549	
34-65 (RT)	42	29	35	39	2,237	33	3,277	
45H29 (RT)	—	—	—	—	—	41	2,984	
D3150 (RT)	—	—	—	43	3,106	38	2,814	
9590 (LT)	—	33	46	47	1,475	36	2,745	
45H26 (RT)	—	—	44	45	1,081	35	2,140	
NEX 845CL (ST)	—	—	40	44	5,957	33	1,981	
VICTORY V1037 (RT)	—	—	—	47	2,278	34	1,956	
1141 (LT)	—	—	48	51	1,548	38	1,943	
9553 (RT)	—	—	—	47	2,638	37	1,579	
CANTERRA 1950 (RT)	—	—	—	—	—	34	1,343	
1818 (RT)	—	—	39	45	1,611	36	1,341	
D3151 (RT)	—	—	—	39	1,245	41	1,052	
45H73 (ST)	—	32	42	40	1,449	41	948	

CANOLA YIELDS BY VARIETY 2006–2010†							RISK AREA 7	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
PIONEER 45S51 (RT)	—	—	—	—	—	28	881	
1145 (LT)	—	—	—	—	—	42	875	
6040RR (RT)	—	—	—	—	—	34	868	
46P50 (RT)	—	30	41	46	1,436	37	822	
NEXERA NX4-106RR (RT)	—	—	—	—	—	44	746	
73-55RR (RT)	—	—	—	—	—	33	700	
4414 (RT)	—	—	39	—	—	18	641	
45A51 (RT)	—	—	—	—	—	35	550	
997RR (RT)	—	—	—	40	829	36	510	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							37.8	157,840

WHEAT YIELDS BY VARIETY 2006–2010†							RISK AREA 7	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
HARVEST (RS)	57	48	56	52	15,513	42	26,428	
KANE (RS)	—	—	63	50	14,583	44	21,522	
AC BARRIE (RS)	39	35	47	48	18,751	43	12,906	
AC DOMAIN (RS)	43	37	45	45	20,982	37	11,281	
GLENN (RS)	—	—	—	55	1,079	42	10,457	
CDC TEAL (RS)	49	45	51	52	8,601	51	5,493	
UNITY VB (RS)	—	—	—	50	641	47	5,366	
SUPERB (RS)	47	41	48	48	11,478	41	5,350	
5400IP (RS)	44	42	48	45	5,505	39	5,086	
5602HR (RS)	47	39	50	48	5,475	42	4,106	
AC INTREPID (RS)	46	41	50	51	4,123	39	3,124	
INFINITY (RS)	—	46	55	54	1,665	45	2,570	
AC TABER (PS)	56	52	48	46	1,433	38	2,108	
SNOWSTAR (HWS)	—	—	—	55	2,475	52	1,768	
MCKENZIE (RS)	40	30	41	44	2,290	34	956	
CDC GO (RS)	—	—	—	44	1,254	31	955	
GOODEVE (RS)	—	—	—	—	—	49	949	
WR 859 CL (RS)	—	—	—	—	—	47	826	
AC ANDREW (F)	—	—	—	58	1,116	57	743	
CDC BUTEO (W)	—	56	65	65	1,993	64	737	
FIELDSTAR VB (RS)	—	—	—	—	—	45	701	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							43.1	127,361

SOYBEAN YIELDS BY VARIETY 2006–2010†							RISK AREA 7	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
NSC WARREN RR (RT)	—	—	—	—	—	27	520	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							27.4	520

OATS YIELDS BY VARIETY 2006–2010†							RISK AREA 7	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
FURLONG	97	87	126	91	3,193	111	2,277	
CDC DANCER	148	96	137	111	3,064	93	2,072	
LEGGETT	—	97	112	74	1,901	85	1,953	
PINNACLE	82	79	110	97	2,721	98	1,587	
SOURIS	—	—	—	—	—	91	1,415	
TRIPLE CROWN	89	81	90	77	1,199	86	941	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							91.9	11,999

BARLEY* YIELDS BY VARIETY 2006–2010†							RISK AREA 7	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
AC METCALFE	67	51	69	71	10,720	57	9,385	
LEGACY	85	71	84	76	4,417	66	5,352	
CDC COPELAND	68	58	72	73	7,328	56	2,781	
TRADITION	83	64	78	71	6,194	59	1,349	
CDC COWBOY	—	—	70	66	1,381	60	964	
CDC TREY	68	49	71	75	1,350	62	950	
NEWDAL	—	—	94	—	—	79	881	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							59.6	22,820

FLAX YIELDS BY VARIETY 2006–2010†							RISK AREA 7	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
CDC SORREL	—	—	29	31	4,433	25	3,680	
CDC BETHUNE	27	21	28	30	5,104	25	1,245	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							25.0	5,402

FIELD PEA YIELDS BY VARIETY 2006–2010†							RISK AREA 7	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
CDC MEADOW	—	—	—	46	962	43	2,531	
NO VAR	36	31	—	42	1,475	23	1,884	
COOPER	—	—	44	48	1,435	34	1,820	

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

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.





FIELD PEA YIELDS BY VARIETY 2006–2010†						RISK AREA 7	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
CDC STRIKER	45	40	45	40	1,025	27	1,040
AGASSIZ	—	—	—	46	839	30	904
SW SALUTE	48	—	—	—	—	40	713
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						31.6	12,332

## RISK AREA 8

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 8	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
5440 (LT)	—	—	50	51	70,882	37	107,755
5030 (LT)	39	32	47	47	28,906	28	12,149
72-65 (RT)	—	—	—	—	—	32	9,398
9590 (LT)	—	39	46	47	4,711	34	7,473
5770 (LT)	—	—	—	—	—	41	6,929
72-55RR (RT)	—	—	—	46	13,993	27	6,885
5020 (LT)	39	30	44	41	15,277	26	6,368
VICTORY V1037 (RT)	—	—	—	44	11,240	24	4,862
1145 (LT)	—	—	—	—	—	35	4,434
9553 (RT)	—	—	—	36	1,511	27	4,389
1141 (LT)	—	—	43	44	7,242	25	2,184
NX4 105 RR	—	—	—	—	—	25	1,966
997RR (RT)	—	—	26	33	1,469	22	1,523
8440 (LT)	—	—	47	52	2,307	54	1,515
46P50 (RT)	—	—	33	42	4,965	26	1,006
71-45RR (RT)	33	31	41	42	7,087	27	853
CANTERRA 1950 (RT)	—	—	—	—	—	29	770
45H21 (RT)	37	23	43	38	1,282	41	640
45H29 (RT)	—	—	—	—	—	36	560
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						33.9	186,632

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 8	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
HARVEST (RS)	57	51	60	57	75,679	48	68,100
AC DOMAIN (RS)	50	43	52	49	35,871	37	24,731
KANE (RS)	—	—	55	56	10,072	46	14,102
AC SPLENDOR (RS)	51	44	56	56	13,387	44	9,694
CDC GO (RS)	—	—	66	62	2,167	49	8,886
AC INTREPID (RS)	50	35	46	45	6,868	35	4,515
ALVENA (RS)	—	—	—	54	2,051	40	3,644
CDC IMAGINE (RS)	56	49	56	52	2,355	35	2,278
CDC TEAL (RS)	51	47	49	45	2,257	31	1,315
SUPERB (RS)	49	37	56	53	3,445	31	1,228
GOODEVE (RS)	—	—	—	—	—	38	913
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						44.4	143,397

OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 8	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
SOURIS	—	—	—	88	805	92	1,260
TRIPLE CROWN	57	44	68	84	1,640	49	635
RONALD	84	72	98	84	1,074	63	600
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						73.1	3,953

## RISK AREA 9

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 9	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
5440 (LT)	—	—	46	45	97,959	26	117,039
5770 (LT)	—	—	—	—	—	23	19,713
NX4 105 RR	—	—	—	44	10,027	25	15,362
72-55RR (RT)	—	—	—	42	12,541	22	11,666
45H28 (RT)	—	—	—	44	16,764	27	10,227
9553 (RT)	—	—	—	45	4,994	36	10,018
VICTORY V1037 (RT)	—	—	42	39	11,403	19	9,659
5020 (LT)	40	21	41	44	22,900	33	9,626
5030 (LT)	38	25	44	43	31,081	26	8,526
72-65 (RT)	—	—	—	44	596	31	8,380
PIONEER 45S51 (RT)	—	—	—	43	3,342	29	8,276
1145 (LT)	—	—	—	—	—	19	7,811
1141 (LT)	—	—	36	38	18,565	14	6,513
NEX 845CL (ST)	—	21	36	38	19,976	28	4,490
34-65 (RT)	39	26	34	42	3,793	31	3,764
9590 (LT)	—	23	41	43	3,545	19	3,408

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 9	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
D3150 (RT)	—	—	—	39	3,628	20	3,198
8440 (LT)	—	—	47	55	6,741	39	3,140
46A76 (ST)	38	22	30	—	—	11	2,988
71-45RR (RT)	33	25	42	40	8,998	15	2,766
45H73 (ST)	—	—	—	—	—	46	2,535
1841 (RT)	34	25	36	37	3,637	14	2,456
45H29 (RT)	—	—	—	—	—	45	2,046
45H26 (RT)	—	—	44	44	3,157	29	1,905
9550 (RT)	25	—	—	46	946	30	1,825
46P50 (RT)	—	—	40	—	—	39	1,534
NEXERA NX4-205CL (ST)	—	—	—	—	—	18	1,425
VICTORY V2030 (RT)	—	—	—	37	569	18	1,097
D3151 (RT)	—	—	—	—	—	26	1,052
4414 (RT)	—	20	37	40	940	14	925
VICTORY V1040 (RT)	—	—	—	—	—	14	833
CANTERRA 1950 (RT)	—	—	—	—	—	29	754
73-55RR (RT)	—	—	—	—	—	39	745
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						25.5	292,068

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 9	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
HARVEST (RS)	54	39	55	48	72,954	38	71,032
AC DOMAIN (RS)	44	31	49	42	73,653	29	55,158
KANE (RS)	—	—	59	46	21,621	30	28,454
AC BARRIE (RS)	39	34	46	44	37,748	25	23,836
GLENN (RS)	—	—	—	48	5,807	31	20,684
CDC TEAL (RS)	45	35	53	42	18,415	46	13,281
SUPERB (RS)	49	40	50	47	20,861	32	9,754
AC WASKADA (RS)	—	—	—	54	580	32	4,699
WR 859 CL (RS)	—	—	—	—	—	35	3,296
5602HR (RS)	51	33	44	45	4,080	33	3,252
AC INTREPID (RS)	48	32	54	43	5,242	45	3,002
CDC ABOUND (RS)	—	—	—	50	1,064	24	2,953

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

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.



WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 9	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
AC VISTA (PS)	50	42	75	53	1,964	28	2,428
INFINITY (RS)	—	50	60	42	8,024	39	1,917
CDC BUTEO (W)	—	48	63	46	3,254	44	1,886
MCCLINTOCK (W)	—	39	64	—	—	42	1,525
AC SPLENDOR (RS)	46	32	64	—	—	15	1,409
CDC IMAGINE (RS)	44	33	53	44	5,743	31	1,381
MCKENZIE (RS)	—	22	61	41	1,076	33	1,215
CDC GO (RS)	—	—	51	44	3,651	57	1,099
BRIGGS (F)	—	—	—	66	4,767	17	1,049
5400IP (RS)	56	36	53	57	2,299	52	963
SNOWSTAR (HWS)	—	—	—	—	—	19	963
UNITY VB (RS)	—	—	—	—	—	59	853
CDC FALCON (W)	60	44	57	—	—	30	637
5603 HR (RS)	—	—	—	—	—	41	589
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						32.9	261,526

SOYBEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 9	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
LS 0028RR (RT)	—	—	—	—	—	29	1,447
LS 0036RR (RT)	—	—	—	32	3,062	27	1,205
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						28.4	3,296

OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 9	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
LEGGETT	—	65	100	94	3,700	48	3,721
FURLONG	72	59	94	75	4,936	63	1,747
RONALD	70	70	91	83	3,754	71	1,630
SOURIS	—	—	—	89	1,072	70	1,374
TRIPLE CROWN	66	55	75	71	2,635	49	709
TRIACITOR	—	—	—	—	—	60	545
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						58.5	12,679

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BARLEY* YIELDS BY VARIETY 2006–2010†						RISK AREA 9	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
CONLON	64	48	58	61	5,435	29	2,931
TRADITION	71	52	74	78	4,682	38	2,908
CDC COWBOY	—	—	—	65	1,806	23	2,761
AC METCALFE	69	38	72	68	9,664	27	2,728
LEGACY	65	54	76	70	6,305	37	2,492
CDC YORKTON	74	52	82	77	1,464	53	2,026
CDC STRATUS	70	54	94	80	1,179	39	1,003
LACEY	53	55	66	64	1,983	38	700
CDC TREY	—	—	75	—	—	45	523
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						33.9	19,584

FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 9	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
CDC SORREL	—	—	24	26	1,962	6	859
CDC BETHUNE	19	19	22	24	4,662	15	694
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						11.5	2,137

FIELD PEA YIELDS BY VARIETY 2006–2010†						RISK AREA 9	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
LIVIOLETTA	43	—	36	42	680	13	638
SW CAPRI	37	37	55	42	940	17	529
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						20.1	2,680

## RISK AREA 10

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 10	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
5440 (LT)	—	—	39	49	28,197	32	31,775
8440 (LT)	—	—	44	52	8,475	38	10,246
5770 (LT)	—	—	—	—	—	39	9,609
5030 (LT)	44	25	38	48	8,804	23	7,128
1145 (LT)	—	—	—	—	—	28	3,318
PIONEER 45S51 (RT)	—	—	—	—	—	37	3,165
72-55RR (RT)	—	—	—	49	1,058	20	2,841
5020 (LT)	38	30	36	42	5,160	39	2,400
NX4 105 RR	—	—	—	38	1,104	20	2,239
45H73 (ST)	—	—	—	45	520	41	2,173
72-65 (RT)	—	—	—	—	—	29	1,863
9590 (LT)	—	36	39	—	—	26	1,750
45H28 (RT)	—	—	—	40	1,074	30	1,168
VICTORY V2030 (RT)	—	—	—	40	2,177	31	1,073
45H29 (RT)	—	—	—	—	—	46	965
45H26 (RT)	—	—	35	39	2,231	29	958
6130RR (RT)	—	—	—	—	—	14	905
NEXERA NX4-205CL (ST)	—	—	—	—	—	25	546
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						31.3	90,022

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 10	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
GLENN (RS)	—	—	—	67	3,887	47	14,563
CDC FALCON (W)	68	62	71	70	15,867	67	14,026
AC BARRIE (RS)	47	44	51	55	21,505	43	13,133
KANE (RS)	—	—	—	59	7,210	44	6,482
AC DOMAIN (RS)	50	34	49	53	2,670	38	2,129
5602HR (RS)	53	49	45	48	2,878	30	1,732
SUPERB (RS)	50	46	51	54	3,474	26	1,438
HARVEST (RS)	—	—	—	—	—	49	823
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						49.0	56,508

SOYBEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 10	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
LS 0065RR (RT)	35	30	32	38	5,093	39	4,838
90M01 (RT)	28	37	30	29	2,956	31	4,701
NSC PORTAGE RR (RT)	—	—	32	31	4,178	32	4,006
LS 0036RR (RT)	—	—	—	32	882	22	1,724
ISISRR (RT)	—	—	—	—	—	31	1,722
OAC PRUDENCE	22	22	—	—	—	38	1,549
25-04R (RT)	—	—	—	—	—	33	1,376
LS 0028RR (RT)	—	—	—	—	—	28	623
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						33.1	22,006

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.





OATS YIELDS BY VARIETY 2006–2010†							RISK AREA 10	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
LEGGETT	—	91	92	98	8,606	63	9,042	
SOURIS	—	—	—	118	1,424	79	5,734	
FURLONG	90	88	90	109	8,667	78	5,432	
RONALD	87	91	99	93	3,824	74	2,592	
PINNACLE	75	92	85	104	3,373	76	2,522	
AC ASSINIBOIA	83	82	74	79	2,373	60	1,155	
HIFI	89	98	104	109	1,605	95	635	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							71.1	28,419

BARLEY* YIELDS BY VARIETY 2006–2010†							RISK AREA 10	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
CONLON	65	62	64	76	6,312	43	6,599	
TRADITION	—	53	47	78	2,535	28	2,127	
LACEY	74	62	73	82	1,499	62	1,457	
CDC COALITION	—	—	—	—	—	55	755	
DESPERADO	—	—	—	—	—	13	665	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							40.8	13,696

CORN YIELDS BY VARIETY 2006–2010†							RISK AREA 10	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
PIONEER 39D95 (RT)	—	—	102	65	4,911	113	5,805	
PIONEER 39B94 (BT)(LT)(RT)	—	—	104	85	3,465	110	4,689	
DEKALB DKC26-79(RT)	108	113	93	64	4,445	91	3,072	
PIONEER 39D97 (BT)(LT)(RT)	—	124	113	63	5,247	115	2,909	
PRIDE A4176 (BT)(RT)	—	—	—	64	826	94	1,459	
DEKALB DKC26-78 (RT)	86	124	97	88	669	91	995	
DEKALB DKC27-33 (RT)(BT)	—	—	—	—	—	98	860	
PIONEER P7213R (RT)	—	—	—	—	—	86	765	
PIONEER 39M26 (RT)	—	105	99	77	1,111	83	664	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							103.0	24,142

FLAX YIELDS BY VARIETY 2006–2010†							RISK AREA 10	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
CDC SORREL	—	—	—	27	1,689	15	916	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							14.6	1,504

DRY BEAN YIELDS BY VARIETY 2006–2010†							RISK AREA 10	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
ENVOY (WHITE PEA)	1,561	1,473	1,299	1,466	3,247	1,120	6,276	
WINDBREAKER (PINTO)	—	—	2,125	2,143	2,456	1,382	2,794	
PINK PANTHER (KIDNEY)	1,656	1,850	1,504	2,033	3,495	1,008	2,295	
CARGO (WHITE PEA)	1,914	1,545	1,371	—	—	1,045	1,312	
T9903 (WHITE PEA)	—	—	1,462	1,510	1,814	1,316	1,052	
ECLIPSE (BLACK)	—	—	—	1,781	735	1,916	965	
AC OLE (PINTO)	—	1,863	—	—	—	2,030	854	
LIGHTNING (WHITE PEA)	—	—	—	—	—	1,272	579	
LA PAZ (PINTO)	—	—	—	—	—	1,642	568	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							1251.5	19,841

SUNFLOWER YIELDS BY VARIETY 2006–2010†							RISK AREA 10	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
SEEDS2000 6946 (C)	2,280	1,876	1,567	1,479	5,096	1,409	4,718	
SEEDS2000 JAGUAR (ST) (C)	—	—	1,653	1,676	2,034	1,281	3,685	
SEEDS2000 6946 DMR (C)	—	—	—	—	—	1,656	951	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							1331.9	11,653

## RISK AREA 11

CANOLA YIELDS BY VARIETY 2006–2010†							RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres	
5440 (LT)	—	—	45	47	58,552	34	80,749	
8440 (LT)	—	—	40	46	27,504	38	26,029	

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.



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CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
5770 (LT)	—	—	—	—	—	42	21,151
72-65 (RT)	—	—	—	31	622	26	12,382
1145 (LT)	—	—	—	—	—	26	9,976
5030 (LT)	39	34	40	47	18,931	23	9,651
72-55RR (RT)	—	—	—	43	6,154	29	8,300
NX4 105 RR	—	—	—	47	5,804	29	6,221
D3151 (RT)	—	—	—	39	2,580	23	3,889
1818 (RT)	30	30	37	39	3,688	27	3,441
CANTERRA 1950 (RT)	—	—	—	—	—	35	3,200
9553 (RT)	—	—	—	26	2,657	19	3,177
5020 (LT)	38	30	38	43	15,964	27	3,119
45H28 (RT)	—	—	—	33	1,799	22	2,976
9590 (LT)	—	30	37	34	4,863	22	2,810
45H29 (RT)	—	—	—	—	—	28	2,690
VICTORY V1037 (RT)	—	—	—	—	—	34	2,307
46P50 (RT)	—	27	31	31	724	17	2,165
1841 (RT)	35	29	37	40	6,610	30	2,015
VICTORY V2030 (RT)	—	—	—	38	7,142	18	1,900
71-45RR (RT)	37	33	32	38	10,903	15	1,895
1768S (RT)	—	—	—	—	—	23	1,525
PIONEER 45S51 (RT)	—	—	—	—	—	19	1,407
NEXERA NX4-205CL (ST)	—	—	—	—	—	24	1,318
34-65 (RT)	29	28	31	32	1,768	18	1,229
45H21 (RT)	32	29	29	42	1,745	25	1,162
6040RR (RT)	—	—	—	—	—	31	1,155
1651H (ST)	—	—	37	—	—	24	874
1144	—	—	—	43	8,158	39	665
5525 CL (ST)	—	—	—	—	—	33	628
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						31.3	226,624

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
KANE (RS)	—	—	60	58	52,929	44	55,573
GLENN (RS)	—	—	—	61	9,986	44	49,985



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WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
AC BARRIE (RS)	48	46	52	53	51,729	37	27,070
CDC FALCON (W)	67	75	79	69	16,212	66	24,912
5602HR (RS)	56	50	48	47	21,130	27	9,658
AC DOMAIN (RS)	46	50	50	52	7,051	44	4,688
SUPERB (RS)	52	50	52	55	5,917	35	3,880
WR 859 CL (RS)	—	—	—	—	—	59	2,149
CDC GO (RS)	—	64	55	69	3,892	59	1,551
HY 644 (F)	—	66	54	55	2,360	52	1,122
FALLER (F)	—	—	—	—	—	52	1,063
5601HR (RS)	48	48	41	51	1,570	34	979
AC WASKADA (RS)	—	—	—	54	1,117	42	970
HARVEST (RS)	—	—	—	59	586	39	660
SOMERSET (RS)	—	37	41	56	1,481	51	503
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						45.1	189,832

SOYBEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
NSC WARREN RR (RT)	—	—	31	35	3,177	32	6,815
LS 0065RR (RT)	32	—	36	37	2,965	41	5,483
NSC PORTAGE RR (RT)	—	—	36	36	5,013	40	4,436
LS 0036RR (RT)	—	33	24	29	4,735	26	1,643
THUNDER 27005RR (RT)	—	—	—	25	1,699	11	1,507
LS 0028RR (RT)	—	—	—	—	—	28	1,421
OAC PRUDENCE	25	—	—	—	—	20	1,203
APOLLO RR (RT)	25	28	34	29	1,298	38	1,159
MONTCALM (RT)	—	29	35	25	1,078	29	900
90M01 (RT)	—	—	—	25	1,267	31	792
24-52R (RT)	—	—	—	—	—	29	692
900Y71 (RT)	—	—	—	—	—	34	672
25-04R (RT)	—	—	—	—	—	42	647
ISISRR (RT)	—	—	—	—	—	38	573
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						33.3	30,556

OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
LEGGETT	101	107	117	113	10,377	72	16,139
FURLONG	88	101	112	100	14,790	75	13,402
CDC DANCER	101	110	104	97	4,330	62	2,846
SOURIS	—	—	—	—	—	103	1,941
AC ASSINIBOIA	80	90	94	88	3,140	57	1,671
PINNACLE	90	105	86	111	1,057	56	1,421
RONALD	87	102	105	84	2,458	75	1,302
TRIACOR	—	—	—	—	—	73	1,260
HIFI	98	98	122	113	788	74	1,220
SUMMIT	—	—	—	—	—	109	1,017
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						73.0	42,860

BARLEY* YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
CONLON	80	83	84	86	27,448	61	23,516
CDC COALITION	—	—	—	—	—	95	2,345
NEWDALE	81	71	75	73	3,074	25	1,660
STELLAR-ND	—	—	—	—	—	51	1,651
TRADITION	—	63	68	82	2,027	47	1,496
ROBUST	58	69	63	73	2,774	22	1,044
CDC COPELAND	71	85	79	83	2,074	35	929
CDC MINDON	—	—	—	—	—	52	926
LEGACY	60	72	63	82	2,563	17	794
LACEY	80	66	73	81	1,813	31	688
AC METCALFE	61	71	69	63	1,189	25	583
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						57.0	37,050

CORN YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
DEKALB DKC26-79(RT)	143	98	126	92	1,165	92	1,027
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						106.5	2,353

FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
CDC SORREL	—	—	26	30	4,298	17	2,467
CDC BETHUNE	18	28	28	29	4,586	22	2,126
TAURUS	18	18	21	—	—	18	1,073
HANLEY	17	20	25	31	564	12	643
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						18.4	6,454

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.





DRY BEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
ENVOY (WHITE PEA)	2,048	1,398	1,473	1,545	13,541	1,596	11,200
PINK PANTHER (KIDNEY)	2,229	1,217	1,290	2,092	2,176	1,629	3,108
CARGO (WHITE PEA)	2,028	1,490	1,534	1,579	1,595	1,590	3,084
T9903 (WHITE PEA)	—	—	1,642	1,709	2,434	1,779	3,071
WINDBREAKER (PINTO)	—	—	2,075	2,324	3,134	2,235	3,008
CDC JET (BLACK)	—	—	—	—	—	1,867	2,362
ECLIPSE (BLACK)	—	—	1,676	2,030	1,460	1,940	1,496
FLOYD (OTHER)	—	—	—	1,761	581	2,072	1,320
AC CRUISER (WHITE PEA)	1,936	1,243	895	1,396	538	807	1,304
T9905 (WHITE PEA)	—	—	—	—	—	2,222	1,038
LIGHTNING (WHITE PEA)	—	—	—	—	—	1,603	813
MAVERICK (PINTO)	1,601	1,400	1,603	1,484	1,703	1,453	543
FOXFIRE (KIDNEY)	1,836	1,186	1,078	2,136	1,561	2,198	536
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						1699.4	37,417

SUNFLOWER YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
SEEDS2000 6946 (C)	2,478	2,275	1,898	1,717	4,550	1,581	5,413
DAHLGREN D-9532 (C)	—	2,295	—	—	—	1,367	786
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						1545.4	6,727

FIELD PEA YIELDS BY VARIETY 2006–2010†						RISK AREA 11	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
AGASSIZ	—	—	—	—	—	38	531
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						28.1	1,746

## RISK AREA 12

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
5440 (LT)	—	—	42	40	203,348	31	236,494
5770 (LT)	—	—	—	—	—	33	73,384

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
8440 (LT)	—	—	43	39	79,411	29	70,666
5030 (LT)	33	33	44	40	68,728	32	43,267
1145 (LT)	—	—	—	—	—	34	39,359
5020 (LT)	34	30	42	35	59,916	27	23,525
9590 (LT)	—	31	43	37	19,558	26	18,000
72-65 (RT)	—	—	—	29	1,344	23	16,577
72-55RR (RT)	—	—	—	34	13,553	17	9,304
45H73 (ST)	—	32	41	37	6,855	28	8,718
45H28 (RT)	—	—	43	36	12,821	28	6,832
PIONEER 45S51 (RT)	—	—	—	33	5,030	33	6,391
45H29 (RT)	—	—	—	—	—	24	6,377
45H26 (RT)	—	28	43	34	17,618	27	5,974
NEXERA NX4-205CL (ST)	—	—	—	—	—	35	5,769
9553 (RT)	—	—	—	33	7,846	30	5,064
71-45RR (RT)	27	27	38	32	30,059	22	5,009
NX4 105 RR	—	—	—	35	2,866	30	4,932
CANTERRA 1950 (RT)	—	—	—	—	—	27	4,467
NEX 845CL (ST)	—	29	37	33	17,451	22	3,822
D3151 (RT)	—	—	—	31	6,319	21	3,766
1818 (RT)	27	31	34	31	3,909	18	3,020
1768S (RT)	—	—	—	30	998	22	2,581
71-40CL (ST)	—	—	—	47	537	21	2,568
1841 (RT)	32	30	37	33	10,513	20	2,331
5525 CL (ST)	—	—	—	—	—	29	2,022
46P50 (RT)	—	33	36	28	575	16	1,786
5070 (LT)	35	33	43	34	2,635	31	1,587
1144	—	—	—	37	38,257	32	1,317
VICTORY V2030 (RT)	—	—	—	32	10,597	19	1,110
1651H (ST)	—	—	36	29	2,051	27	1,034
997RR (RT)	—	33	32	—	—	23	985
9550 (RT)	22	24	35	27	733	40	969
45P70 (ST)	—	29	37	—	—	29	859
VICTORY V1037 (RT)	—	—	—	38	601	21	707
1141 (LT)	—	—	45	—	—	32	675
73-65RR (RT)	—	—	—	—	—	33	520
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						29.7	631,311

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.



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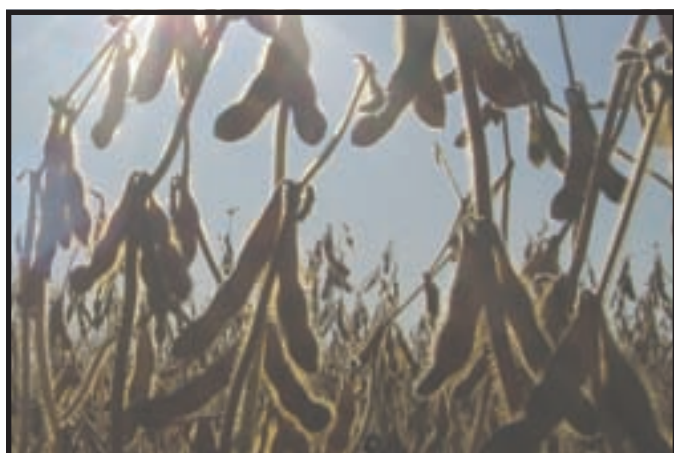
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WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
KANE (RS)	—	49	64	52	172,945	41	147,304
GLENN (RS)	—	—	—	56	41,573	41	146,352
AC BARRIE (RS)	47	44	55	49	122,540	38	55,850
CDC FALCON (W)	73	74	80	61	17,663	68	50,420
AC DOMAIN (RS)	55	46	60	55	35,414	49	21,753
5602HR (RS)	52	49	50	45	28,901	33	15,697
CDC GO (RS)	—	57	64	62	12,996	60	6,811
WR 859 CL (RS)	—	—	—	—	—	42	5,721
5601HR (RS)	47	47	47	44	13,195	31	4,459
FALLER (F)	—	—	—	—	—	42	4,454
HARVEST (RS)	—	—	55	60	2,137	57	3,358
5603 HR (RS)	—	—	—	—	—	45	1,996
TRAVERSE (F)	—	—	—	28	2,086	42	1,298
SUPERB (RS)	53	50	56	50	10,202	52	1,267
AC WASKADA (RS)	—	—	—	58	860	35	1,129
WFT 409 (F)	—	—	—	—	—	25	778
AC CORA (RS)	41	36	48	55	911	49	625
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						43.8	475,164

SOYBEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
NSC PORTAGE RR (RT)	—	40	36	30	78,734	33	70,241
25-04R (RT)	—	—	35	35	16,102	37	47,399
90M01 (RT)	30	41	33	33	53,041	33	46,321
LS 0065RR (RT)	30	45	36	36	14,834	37	43,934
ISISRR (RT)	—	—	—	37	2,657	36	36,159
NSC WARREN RR (RT)	—	—	32	29	13,950	28	25,150
90A06 (RT)	—	36	34	27	33,119	29	16,895
OAC PRUDENCE	23	35	32	30	14,237	33	16,742
LS 0036RR (RT)	21	37	35	26	14,110	29	7,939
24-52R (RT)	—	—	—	31	6,727	33	7,459
LS 0028RR (RT)	—	—	—	32	3,068	33	7,272
NSC ARGYLE RR (RT)	—	—	—	—	—	39	4,574
90A07	29	36	34	32	5,575	33	4,389



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SOYBEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
NSC CAREY RR (RT)	—	—	—	36	730	31	3,553
NSC COULEE RR (RT)	—	—	—	—	—	39	2,904
THUNDER 27005RR (RT)	—	—	33	26	2,793	32	2,848
900Y71 (RT)	—	—	—	—	—	32	2,488
S00-H7 (RT)	—	—	—	41	582	33	2,462
OLEXRR (RT)	—	37	33	33	3,491	39	2,405
RR ROSCO (RT)	30	33	33	34	3,815	29	2,356
RR RUSSELL (RT)	—	—	33	30	4,317	41	1,153
GENTLEMAN	21	28	—	24	1,603	32	1,152
THUNDER 29008RR (RT)	—	—	—	—	—	29	986
THUNDER 26005RR (RT)	28	35	32	32	1,390	39	929
OAC ERIN	40	—	39	42	1,073	37	769
25-02R (RT)	29	40	35	30	17,259	40	749
NSC 2701RR (RT)	—	—	—	—	—	29	676
MK0109A4 (RT)	—	—	—	—	—	39	560
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						33.9	368,684

OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
FURLONG	89	111	122	115	46,999	76	50,950
SOURIS	—	—	140	129	12,005	90	45,300
RONALD	87	104	121	113	37,280	83	36,332
LEGGETT	74	106	115	113	29,844	64	34,078
TRIACATOR	—	—	—	133	2,275	108	21,596
PINNACLE	93	109	109	113	4,538	65	6,629
AC ASSINIBOIA	79	100	112	123	4,658	60	5,183
RIEL	70	99	118	107	3,023	47	3,597
JORDAN	—	102	129	114	11,090	68	2,006
CDC DANCER	88	101	126	127	1,803	60	1,716
SUMMIT	—	—	—	—	—	88	1,472
HIFI	93	105	115	—	—	56	1,247
TRIPLE CROWN	92	98	112	—	—	32	1,108
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						79.7	212,532

BARLEY* YIELDS BY VARIETY 2006–2010†						RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
CONLON	74	72	83	77	37,780	48	28,304
TRADITION	85	71	95	69	22,741	43	5,369
STELLAR-ND	—	—	—	66	1,121	53	3,732
NEWDAL	75	77	87	71	9,830	46	3,503
CDC COPELAND	62	52	76	63	4,382	21	3,338
CDC MINDON	—	—	—	—	—	31	2,259
CDC COALITION	—	—	—	—	—	56	1,807
ROBUST	68	60	63	59	4,024	25	1,654
CHAMPION	—	—	—	—	—	51	1,482
AC METCALFE	61	64	72	55	1,682	21	963
CELEBRATION	—	—	—	—	—	70	688
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						44.4	54,990

CORN YIELDS BY VARIETY 2006–2010†						RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
PIONEER 39D97 (BT)(LT)(RT)	—	130	132	31	33,030	124	29,687
PIONEER 39D95 (RT)	—	134	132	27	14,221	113	18,364
DEKALB DKC26-79(RT)	116	127	126	37	10,274	117	10,926
PIONEER 39B94 (BT)(LT)(RT)	—	—	132	38	10,649	121	10,715
PIONEER P7213R (RT)	—	—	—	49	642	94	6,429
PIONEER P7535R (RT)	—	—	—	28	1,588	109	4,115
PIONEER 39Z69 (RT)	—	—	—	25	1,541	127	3,517
PRIDE A4176 (BT)(RT)	—	—	—	35	2,118	114	2,353
DEKALB DKC26-78 (RT)	116	126	127	41	1,608	103	1,817
DEKALB DKC27-33 (RT)(BT)	—	—	—	—	—	128	1,743
PIONEER 39B64 (RT)	—	—	110	16	8,594	87	1,496
PIONEER 39B90 (RT)	—	—	130	45	2,330	118	1,208
PIONEER 39M27 (BT)	118	127	118	49	1,797	121	1,076
PIONEER P7535HR (LT)(RT)(BT)	—	—	—	17	834	121	1,066
PIONEER 39M26 (RT)	—	112	109	—	—	100	910
PIONEER 39B96 (BT)(LT)	—	135	131	63	2,928	117	900
HYLAND HL R208 (RT)	—	124	116	66	1,136	119	865
LEGEND LR9975R (RT)	—	—	—	—	—	135	789
PIONEER 39B93	98	133	122	53	1,453	100	551
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						116.2	102,212

FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres
CDC BETHUNE	17	21	29	24	37,961	17	14,580
HANLEY	17	25	26	25	15,459	16	10,612
CDC SORREL	—	21	26	27	5,406	19	8,032
LIGHTNING	21	27	29	27	1,078	22	1,394
PRAIRIE BLUE	19	24	27	30	1,446	28	810
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						17.1	39,125

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.





DRY BEAN YIELDS BY VARIETY 2006–2010†							RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
WINDBREAKER (PINTO)	—	1,964	2,172	1,744	25,209	1,693	19,746	
ECLIPSE (BLACK)	—	2,088	1,911	1,510	6,698	1,517	9,628	
MAVERICK (PINTO)	1,867	1,859	2,075	1,451	11,951	1,354	5,995	
T9903 (WHITE PEA)	1,942	1,810	1,609	1,797	2,656	1,257	4,304	
LA PAZ (PINTO)	—	—	—	1,656	2,030	1,607	3,032	
AC PINTOBA (PINTO)	1,700	1,911	1,971	1,684	4,912	1,504	2,731	
ENVOY (WHITE PEA)	1,642	1,795	1,574	1,087	4,083	946	2,506	
CDC JET (BLACK)	—	1,680	1,583	1,590	1,504	1,085	1,882	
AC OLE (PINTO)	1,911	1,603	2,299	1,801	1,727	2,200	1,583	
PINK PANTHER (KIDNEY)	1,689	1,409	1,739	1,556	3,711	1,332	1,473	
MARIAH (PINTO)	—	—	—	—	—	745	1,358	
T9905 (WHITE PEA)	—	—	—	—	—	1,768	875	
ROG 802 (KIDNEY)	1,475	1,265	—	1,290	1,103	1,512	802	
BLACK VIOLET (BLACK)	—	—	1,883	1,380	1,028	1,484	793	
CARGO (WHITE PEA)	1,664	1,493	1,711	1,303	847	1,288	746	
FLOYD (OTHER)	1,934	1,429	1,995	—	—	1,336	560	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							1481.7	64,977

SUNFLOWER YIELDS BY VARIETY 2006–2010†							RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
SEEDS2000 6946 (C)	2,255	1,470	1,651	1,254	16,750	970	20,001	
SEEDS2000 6946 DMR (C)	—	—	—	—	—	1,382	4,146	
PIONEER 63N82 (O)	—	—	—	—	—	928	1,701	
SEEDS2000 JAGUAR (ST) (C)	—	—	1,186	814	6,286	1,259	1,102	
INTERSTATE IS 8048 (C)	2,092	1,296	1,232	650	1,132	1,285	853	
SEEDS2000 PANTHER DMR (C)	—	—	—	1,411	992	966	624	
PIONEER 63M80 (MO) (O)	2,447	1,687	1,839	1,060	3,925	908	535	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							1031.4	31,519

FIELD PEA YIELDS BY VARIETY 2006–2010†							RISK AREA 12	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
CDC STRIKER	—	44	46	38	1,091	12	1,833	
AGASSIZ	—	—	—	—	—	35	1,247	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							25.0	4,853

## RISK AREA 14

CANOLA YIELDS BY VARIETY 2006–2010†							RISK AREA 14	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
5440 (LT)	—	—	42	31	15,367	18	18,706	
9590 (LT)	—	18	40	28	12,776	13	12,945	
5020 (LT)	42	12	36	25	9,516	11	9,970	

CANOLA YIELDS BY VARIETY 2006–2010†							RISK AREA 14	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
5770 (LT)	—	—	—	—	—	16	6,171	
8440 (LT)	—	—	37	33	2,370	13	5,812	
5030 (LT)	44	20	40	25	7,240	19	5,723	
45H73 (ST)	—	—	28	—	—	4	1,168	
9553 (RT)	—	—	—	21	1,146	7	1,156	
45P70 (ST)	—	16	32	27	2,302	10	918	
NEX 845CL (ST)	—	—	29	—	—	21	850	
PIONEER 45S51 (RT)	—	—	—	—	—	9	847	
5525 CL (ST)	—	—	—	—	—	18	719	
72-65 (RT)	—	—	—	—	—	20	706	
46P50 (RT)	—	—	35	—	—	10	541	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							14.8	73,959

WHEAT YIELDS BY VARIETY 2006–2010†							RISK AREA 14	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
GLENN (RS)	—	—	—	41	3,874	27	18,870	
CDC FALCON (W)	71	61	70	49	13,379	53	9,214	
AC BARRIE (RS)	44	24	37	29	9,184	24	8,034	
KANE (RS)	—	—	—	31	8,231	23	5,567	
AC DOMAIN (RS)	50	27	45	26	8,210	23	5,564	
5602HR (RS)	—	—	41	28	4,719	21	4,961	
CDC ALSASK (RS)	—	—	—	—	—	21	856	
AC CADILLAC (RS)	46	27	42	30	547	19	532	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							29.6	59,831

SOYBEAN YIELDS BY VARIETY 2006–2010†							RISK AREA 14	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010† Acres	
NSC WARREN RR (RT)	—	—	31	17	9,422	23	13,230	
LS 0036RR (RT)	42	44	33	23	10,161	30	11,751	
RR ROSCO (RT)	36	25	33	21	5,760	18	8,102	
NSC PORTAGE RR (RT)	—	—	32	22	5,026	23	7,794	
OAC PRUDENCE	36	32	31	26	2,283	22	5,276	
GENTLEMAN	37	37	32	27	3,170	30	4,552	
24-52R (RT)	—	—	—	23	3,725	23	3,677	
90A06 (RT)	—	—	32	20	3,162	23	3,625	
ISISRR (RT)	—	—	—	—	—	22	2,764	
LS 0065RR (RT)	—	—	30	—	—	23	2,714	
25-04R (RT)	—	—	—	17	1,696	32	2,493	
90M01 (RT)	—	36	26	22	816	28	1,990	
THUNDER 27005RR (RT)	—	—	32	20	827	26	856	
RR RUSSELL (RT)	—	—	—	—	—	21	506	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡							24.4	73,590

† 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.

‡ On system as of January 4, 2011;  
\* Assuming 48 lbs./bu.



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OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 14	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
FURLONG	103	66	96	65	8,373	44	11,057
RONALD	78	59	83	64	4,902	44	4,683
LEGGETT	—	57	91	73	1,251	42	4,324
AC ASSINIBOIA	76	45	70	64	2,569	25	2,859
SOURIS	—	—	—	—	—	60	1,559
JORDAN	—	—	99	52	1,651	45	1,445
ROBERT	—	57	64	28	858	7	549
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						40.4	29,315

BARLEY* YIELDS BY VARIETY 2006–2010†						RISK AREA 14	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CONLON	77	36	68	55	6,553	28	7,182
ROBUST	63	24	53	43	1,683	11	1,264
STELLAR-ND	—	—	—	—	—	31	1,023
TRADITION	—	50	56	44	1,220	19	625
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						24.7	11,121

CORN YIELDS BY VARIETY 2006–2010†						RISK AREA 14	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
PIONEER 39D95 (RT)	—	—	101	21	5,443	84	5,203
PIONEER 39D97 (BT)(LT)(RT)	—	147	137	22	2,896	92	2,728
DEKALB DKC26-79(RT)	84	81	110	43	698	61	1,770
PIONEER P7213R (RT)	—	—	—	—	—	85	1,445
DEKALB DKC26-78 (RT)	—	92	101	—	—	85	960
PIONEER P7535HR (LT)(RT)(BT)	—	—	—	—	—	86	726
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						77.1	17,024

FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 14	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
HANLEY	—	22	21	18	1,187	9	1,131
CDC BETHUNE	19	16	20	18	1,752	4	605
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						6.8	2,861

SUNFLOWER YIELDS BY VARIETY 2006–2010†						RISK AREA 14	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
SEEDS2000 6946 (C)	2,533	1,482	1,120	560	1,010	699	1,336
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						741.1	2,385

## RISK AREA 15

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 15	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
5440 (LT)	—	—	25	29	5,916	13	19,144
5770 (LT)	—	—	—	—	—	10	13,056
9590 (LT)	—	31	22	24	2,375	13	8,067
8440 (LT)	—	—	35	24	3,513	10	6,913
72-65 (RT)	—	—	—	—	—	9	6,496
45H28 (RT)	—	—	—	19	3,671	9	6,360
45H29 (RT)	—	—	—	—	—	11	4,587
PIONEER 45S51 (RT)	—	—	—	21	3,236	11	3,711
9553 (RT)	—	—	—	27	1,229	12	3,111
46P50 (RT)	—	34	18	—	—	13	3,098
5020 (LT)	34	26	22	25	1,927	19	2,291
45H26 (RT)	—	30	28	24	1,492	9	2,058
NX4 105 RR	—	—	—	—	—	8	1,499
45H73 (ST)	—	—	12	—	—	9	1,324
1818 (RT)	—	—	—	—	—	24	1,286
CANTERRA 1950 (RT)	—	—	—	—	—	8	1,196
5030 (LT)	39	27	25	27	990	7	1,000
PROVEN 9552RR (HT)	—	—	—	—	—	8	987
45P70 (ST)	—	23	22	—	—	5	901
1841 (RT)	35	30	24	—	—	5	829
71-40CL (ST)	—	—	—	—	—	1	805
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						11.0	92,268

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 15	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
AC BARRIE (RS)	36	39	24	27	6,342	15	10,979
KANE (RS)	—	—	—	22	7,150	20	10,421

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 15	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
GLENN (RS)	—	—	—	20	2,847	19	8,429
CDC FALCON (W)	71	63	50	—	—	45	5,685
5602HR (RS)	47	48	26	25	1,878	14	4,997
AC DOMAIN (RS)	37	39	22	27	2,320	22	1,269
HARVEST (RS)	—	—	28	—	—	12	1,044
MCKENZIE (RS)	36	38	25	—	—	21	733
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						21.3	47,641

SOYBEAN YIELDS BY VARIETY 2006–2010†						RISK AREA 15	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
90A06 (RT)	—	—	—	8	735	19	2,478
NSC WARREN RR (RT)	—	—	—	—	—	29	2,217
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						24.0	6,617

OATS YIELDS BY VARIETY 2006–2010†						RISK AREA 15	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
PINNACLE	90	97	50	62	4,118	27	6,398
SOURIS	—	—	—	—	—	50	3,392
LEGGETT	—	—	—	—	—	51	2,313
CDC DANCER	—	96	75	103	1,203	64	1,256
FURLONG	—	—	34	39	1,004	14	606
RONALD	88	86	51	—	—	16	502
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						36.6	17,633

BARLEY* YIELDS BY VARIETY 2006–2010†						RISK AREA 15	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CONLON	54	54	25	25	2,821	19	2,882
CHAMPION	—	—	—	—	—	18	2,325
NEWDAL	63	57	32	22	1,534	13	1,248
TRADITION	—	—	42	57	813	9	1,016
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						14.6	10,155

FLAX YIELDS BY VARIETY 2006–2010†						RISK AREA 15	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
LIGHTNING	—	—	—	—	—	5	1,390
HANLEY	12	17	15	16	669	11	1,281
CDC SORREL	—	—	—	—	—	9	809
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						7.1	5,114

FIELD PEA YIELDS BY VARIETY 2006–2010†						RISK AREA 15	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
CDC ROCKET	—	—	—	—	—	5	707
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						3.8	1,386

## RISK AREA 16

CANOLA YIELDS BY VARIETY 2006–2010†						RISK AREA 16	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
5440 (LT)	—	—	39	44	6,187	37	5,422
8440 (LT)	—	—	42	43	3,441	38	4,523
5020 (LT)	35	18	40	38	4,471	25	2,361
72-65 (RT)	—	—	—	—	—	39	892
72-55RR (RT)	—	—	—	—	—	32	779
9555 (RT)	—	—	—	—	—	27	532
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						33.8	20,011

WHEAT YIELDS BY VARIETY 2006–2010†						RISK AREA 16	
Variety	2006 Yield	2007 Yield	2008 Yield	2009 Yield	2009 Acres	2010 Yield	2010‡ Acres
HARVEST (RS)	44	25	53	54	10,914	42	11,905
AC DOMAIN (RS)	43	27	51	55	3,178	45	3,629
INFINITY (RS)	—	—	63	67	2,310	39	2,275
5400IP (RS)	—	—	—	—	—	35	958
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						41.9	19,289

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;  
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Becker Underwood .....	51
Biovision .....	38
Canadian Wheat Board .....	43
Chemtura .....	9
Court Seeds & Greenhouses .....	47
Delmar Commodities .....	31
Dow AgroSciences .....	2
Durand .....	47
Ellis Seeds .....	47
ENS Quality Seed .....	47
Farrell Agencies Ltd. ....	40
Fisher Seeds Ltd. ....	47
Fraser Seeds Ltd. ....	47
Friesen Seeds Ltd. ....	48
Gagnon Seed Service Ltd. ....	48
HB AgriSeed .....	48
Horizon Agro .....	48
Hyland Canada .....	6
Intertek Agri Services .....	48
James Farms Ltd. ....	48
Keating Seed Farms Inc. ....	48
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Krym Farms Ltd. ....	48
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Quarry Grain Commodities .....	44
R-Way AG Ltd. ....	49
Riddell Seed Co. ....	49
Roy Legumex Inc. ....	36
SeCan .....	29, 37, 45
Seed Depot .....	33, 42
Smith Family Farm .....	50
Southeast Seeds Inc. ....	50
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