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# Manitoba Co-operator

OCTOBER 5, 2017

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## Hunters trespassing on farmland irks southwest

Local leaders say more hunters than ever are coming into the area

BY LORRAINE STEVENSON  
Co-operator staff

A TV and truck tracks found in a soybean field that hunters entered to retrieve moose they'd shot is just the most recent incident of hunting on farmland without permission, say southwestern Manitoba municipal leaders.

A Reston-area farmer, whose neighbour first discovered gut piles in his unharvested soy-

See **TRESPASSING** on page 6 »

## Did Bill Morneau just blink?

The finance minister says proposed tax changes will be altered so they don't discourage incorporated farmers from selling to family members

BY ALLAN DAWSON  
Co-operator staff

Farmers' concerns about the federal government's proposed controversial tax reforms for private corporations haven't fallen on deaf ears.

Finance Minister Bill Morneau says the reforms will be changed so as not to discourage farmers from saving for retirement, employing family members, or selling their operations to the next generation.

"Our goal is not, and will not be, to change the ability to move a family business, a family farm, a fishing business from one generation to the next," Morneau told reporters Sept. 28, after appearing before the House of Commons finance committee holding hearings on the changes. Morneau and Prime Minister Justin Trudeau say are meant to eliminate tax breaks available for the richest and not the middle class.

"There may be technical fixes to make sure that we get that right."

That's welcome news to the Canadian Federation of Agriculture (CFA), one of many farm groups opposed to the proposed changes fearing they would result in higher tax bills for incorporated farmers and discourage farmers from selling their operations to their children.

"There has been a change in tone," CFA president Ron Bonnett said in an interview Sept. 29.

Government officials have made similar



Finance Minister Bill Morneau, seen here at an Ottawa press conference July 18 announcing tax changes, has been getting a rough ride over the proposed policy. PHOTO: REUTERS/CHRIS WATTIE

points in meetings with the CFA, stating the intent is not to hurt agriculture, he said.

"Our message back is, 'well, if that's the case let's make sure that we get it right,'" Bonnett said.

"I think they realize that farmers are getting caught in a trap with these new proposals. But I think the thing is now that's got to be followed up with real action to make sure the proposals are amended or farms

are exempted from some of the provisions of these tax laws."

CFA is working with accountancy firm MNP to provide the federal government with accurate numbers.

Ottawa's proposals include restrictions on reducing taxes by "sprinkling" income to family members in lower tax brackets who

See **BILL MORNEAU** on page 6 »

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## DID YOU KNOW?

# Keeping kochia in check

New research indicates the importance of early-season control of herbicide-resistant kochia

### STAFF

**H**erbicide-resistant kochia is a big problem in the U.S. Great Plains states, and has appeared in limited numbers in Manitoba over the past few years.

Now researchers, writing in the latest edition of the journal *Weed Science*, are beginning to reveal more about how the weed works.

Kochia typically begins to emerge in the U.S. in late February or early March, before other summer annual weed species. It then disperses its seeds broadly by tumbling across the landscape.

Since the timing of weed emergence and seed persistence in the soil can influence the selection of effective weed control practices, researchers conducted a two-year study to explore kochia emergence patterns and seed persistence. They harvested kochia seed from sites in five Midwest states, buried packets of seed and



Kochia seedlings, part of a U.S. study of the weed, emerge in a field at Garden City, Kansas. PHOTO: ANITA DILLE

exhumed them at six-month intervals to evaluate viability.

Emergence densities varied widely across the plots and study years — from as few as four to almost 380,000 seedlings per square metre. Cumulative growing degree days needed for 10 per cent emergence also varied widely. In Kansas, 168 days were needed, but only 90 in Wyoming and Nebraska. Researchers found that more than 95 per cent of kochia seed failed to

persist for more than two years.

The findings have important implications for weed control. The authors say pre-emergence weed control should be initiated in the fall or very early in the growing season, to address the first flush of seedling emergence and seed production.

Other management techniques may include cover crops and even waiting for kochia to emerge before seeding.

### READER'S PHOTO



PHOTO: LINDA BOYS

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# Roquette breaks ground on Portage plant

A ceremony held last week marked the formal start of the construction phase

**BY ALLAN DAWSON**  
Co-operator staff/ Near Portage la Prairie

**M**anitoba farmers don't grow many field peas anymore, but that could change when the world's biggest pea-processing plant, being built here by French-based Roquette, starts operating in April 2019.

Pascal Leroy, Roquette's vice-president for pea and new protein business line, and Premier Brian Pallister, broke ground Sept. 28 for the \$400-million facility, in what had been a farmer's field a few miles west of the City of Portage la Prairie.

There were also hints Roquette, which operates in 80 countries processing corn, wheat, potatoes and peas, is considering processing other Manitoba crops.

The plant will extract protein from peas and use it in a range of foods from pasta and bread to sport bars and soups.

It is a "big day" for the local people and the province, Pallister said.

"We are very proud today and thankful today and I feel blessed today," he said. "As someone who grew up about eight miles away from here, whose 4-H leader was from a mile and a half away, whose curling friends farm just over there and who has a tremendous affection for this part of the world, I have to say again, thank you, merci and all the best in the future."

The plant, which will employ 350 people during construction and 150 people when operating, will need 120,000 tonnes of peas a year. Although in 2016 Manitoba produced almost 154,000 tonnes of peas, based on crop insurance data, the five-year average is just under 80,000 tonnes.

However, Canada is the world's largest pea producer and Leroy told reporters Roquette will also buy peas from neighbouring provinces. Saskatchewan, for example, routinely produces two million tonnes a year.

That's probably why Saskatchewan reportedly was surprised and disappointed when Roquette announced in January plans to build in Manitoba.

There are many factors to consider, including "access to future growth," Leroy said, when asked why Roquette picked Manitoba.

"Being in Manitoba was a way to access well-educated people, as well as to access green electricity, sustainable, which is quite important... and as well to be close to this very nice product, which is the yellow pea..." he said.

"As you know, your country has very nice logistic setups. Access to the U.S. is quite easy. This was really a tremendous asset to come and build a plant here in Portage la Prairie."

The Portage plant will service North America and offshore markets too, Leroy said.

Pea protein demand is high



Dakota Tipi First Nation took part in the Roquette groundbreaking near Portage la Prairie Sept. 28. Chief David Pashe (r) passes the pipe to Premier Brian Pallister.

PHOTO: ALLAN DAWSON

because it's not genetically modified, it's a non-allergen and it's gluten free, he added.

The demand for protein is projected to double in the next 30 years to 900 million tonnes, Leroy said.

"We expect plant protein to be a big part of that, and especially pea protein, which is growing at roughly 15 per cent a year," he said.

Having access to a pea plant close by will give Manitoba farmers an opportunity to grow higher-priced crops, Manitoba Agriculture Minister Ralph Eichler told reporters.

"Farmers are very resilient," he said. "They will grow where they have a market."

The government will also help farmers find the right pea varieties for Manitoba conditions.

"That is really what government's role is — to assist in order to make sure we get those products that are going to help them meet their demands," he said.

"We've got to get some (pea) crop in the ground this coming spring in order to ensure they (Roquette) have enough product to get them started," Eichler said.

"They've had some boots on the ground talking to farmers in order to get some contracts ready for next year."

Manitoba farmers will likely grow more peas because of the Roquette plant, Manitoba Pulse & Soybean Growers execu-

**"We are very proud today and thankful today and I feel blessed today."**

**BRIAN PALLISTER**

tive director Francois Labelle, said in an interview Sept. 29. As pea production declined in Manitoba, so did the number of local buyers, he said.

Labelle said one former pea grower told him "peas are good for my farm, they're good for my land... and I want to grow them."

"When you have a local market for something, people get interested," Labelle added.

There could be other Manitoba value-added opportunities with Roquette, Eichler said.

"They are definitely looking at other crops," Labelle said. "When they first announced the plant at Portage they definitely said this is Phase 1. We're hopeful and optimistic that they are going to continue building in that facility. That's why they bought extra land."

Pallister also hinted at further opportunities.

"I know the (Roquette) family is very entrepreneurial and we encourage them to look at other opportunities to add, expand and grow and move forward here in Manitoba," he said.

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## Multiple actions needed to address world hunger

Leaders in agriculture and science gathered in Winnipeg to discuss solutions towards feeding the world's rising population

**BY LORRAINE STEVENSON**  
Co-operator staff

**T**he number of hungry people in the world could drop dramatically in our lifetimes — but achieving that goal will require action on many fronts, the former head of the United Nations World Food Program told a conference in Winnipeg last month.

By 2050 the Food and Agriculture Organization (FAO) anticipates food production must rise 60 per cent globally to feed a population projected by then at 10 million.

The good news is there have already been declines in hunger worldwide, even as world populations continue to rise, said Catherine Bertini, 2003 World Prize Laureate told the Agricultural Bioscience International Conference last week.

Food and Agricultural Organization (FAO) data from 2016 now pegs some 815 million in the world not having enough to eat. It's a number that's gone up since 2015 but down from 900 million in 2000. The trend lines for the numbers of hungry people or percentage of hungry people are generally going down, she said.

"We've had significant population increases, yet we have actually had decreases over all in the number of hungry people, which is really good news," said Bertini.

The main reason for the declines is economic development worldwide, she said, and in her half-hour address outlined multiple areas she considers key in sustaining that trend line, including ways to tackle global poverty.

"It you're hungry you're poor, and if you're poor you're usually hungry," she said. "And it is multi-generational. If a young woman

is hungry when pregnant she is not going to give birth to a healthy child. That child gets a bad head start and is probably not going to live to full potential."

World Bank studies show agricultural productivity to be two to four times as effective at alleviating poverty than other sectors.

Meanwhile, the FAO estimates by closing the gender gap in agriculture it would cut the present number of 815 million hungry in the world down by 100 to 150 million people.

Yet, women remain "invisible" from a policy perspective even as they are "ubiquitous in areas of preparing food, primary providers of meals, growing food, serving food, taking care of children and a large percentage are farmers," said Bertini.

If she had her way every girl on the planet would go to school, she said. That's because there would be so many positive outcomes.

"If women know how to count and read they'll be more productive farmers," she said.

That closure of the gender gap would also lead to great gains.

"And if women had access to land... access to landownership, if they could inherit land, take loans... all of this which now inhibits them... would give them more opportunities and then they could become more productive."

Another action needed is a new focus on nutrition, said Bertini, who calls nutrition the "stepchild" of agriculture and health right now.

"I never believe there is enough discussion about nutrition in the context of agriculture or health," she said. "It seems, bureaucratically almost forgotten. No one claims responsibility for working in this space, and yet it's critically important."

That's because in addition to global hunger, food-related

causes of death are rampant. Child malnutrition, anemia, and obesity are huge issues, she said. Non-communicable deaths take a huge toll when so many children and adults are now overweight and obese.

Seventy per cent of worldwide adult deaths occurring between the ages of 30 and 69 are due to non-communicable diseases.

Bertini was one of multiple speakers during the "Solutions Start Here" convention, with sessions focused on how to work within our existing footprint to feed nine billion.

Discussions throughout the three days ranged from reducing food waste, protecting pollinators, and building sustainability into animal systems, and a new vertical farm being developed in northern Manitoba to produce vegetables year round.

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# OPINION/EDITORIAL

## A case of beer



Gord Gilmour  
Editor

**F**or all the ink and vitriol that's been spilled over supply management in Canadian agricultural commodities over the years, not much has changed.

There's been a bit of evolution around the edges and some grudging concession on imports, but the fundamental bedrock of the system remains.

Now an earthquake could be coming, from the most unlikely of sources.

In 2012, the grandfatherly Gérard Comeau, a retired steel worker from Tracadie-Sheila, N.B., went to Quebec. While there he purchased 14 cases of beer and three bottles of liquor, for about half the price he would have paid back home, a prospect sure to brighten the day of any beer lover.

It was during the drive home he encountered trouble, in the form of the RCMP, who stopped Comeau and charged him with illegally importing alcohol, giving him a citation that would have cost him \$300, had he chosen to plead guilty. He was legally entitled to bring home only 12 pints of beer and a single bottle of liquor.

However, a guilty plea wasn't the route he chose to take. Instead he decided to challenge the legality and constitutionality of the arbitrary limits on what he could bring home.

Four years later, in 2016, the case finally saw the inside of a courtroom. There, Comeau found an ally in provincial court Judge Ronald LeBlanc and his interpretation of Sec. 121 of the 1867 Constitution Act, which is still a major part of the country's governing framework. That section states products from one province shall "... be admitted free into each of the other provinces."

To LeBlanc, that meant exactly what it said, and Comeau was in the clear. To New Brunswick prosecutors, that was a fundamental misinterpretation of a law they took only to mean that duties couldn't be charged, rather than limits being set. That's set the stage for a legal showdown at the highest levels that could have profound implications.

First they asked the Federal Appeal Court to hear the case, which the court declined to do, amounting to an endorsement of LeBlanc's interpretation. The prosecutors then appealed that decision to the Supreme Court, and a hearing is now scheduled for later this year. If this decision is upheld at that level it could have many ramifications and many different forms.

It could narrowly cover alcohol only, or even limit the application of the decision to this single case. At its greatest breadth it could overturn precedents and governing decisions running as far back as the late 1880s.

Among the many business interests jostling for a seat at the table are the five supply-managed commodities that contend the livelihood of those farmers is at stake because the ruling as it stands could undermine the system.

Among the issues at play for the sector include provincial barriers such as Quebec's and Ontario's bans on moving chickens to processors in other provinces and barriers to buying and selling quota between provinces. It could very well kick off an internal "race to the bottom" that the sector has spent decades trying to avoid or see buyers play provinces off against each other.

To many farmers under that supply-managed umbrella, it might seem like yet another blow for the stability of their operations. To others, however, it might seem more like an entrepreneurial opportunity to be seized.

One thing that is certain is the change, in its broadest form, could be significant and kick off a period of potentially painful readjustment or the need to reorganize on a truly national level.

If history is a reliable yardstick, we can look at what happened when the Prairie grain industry underwent a period of deregulation and consolidation beginning in the 1980s. Murray Fulton, an agriculture economist at the University of Saskatchewan, has long contended the reason the Prairie Pools failed is they'd grown up in the closed ecosystem of heavy regulation and weren't nimble enough to succeed when that framework was removed.

A bit further back in time, here in Manitoba, there's another very interesting historical example.

In May of 1849, Pierre-Guillaume Sayer and three other Métis residents of Red River Colony were brought to trial for violating the Hudson's Bay Company charter by illegally dealing in furs.

In the style of rough frontier justice of the time, 300 armed Métis, led by Louis Riel Sr., gathered outside the courthouse as the hearing was held. The four were convicted, but no punishment was imposed, setting an informal precedent that essentially gutted the HBC monopoly.

As this modern court challenge is underway, the supply-managed commodity organizations and the farmers themselves should be considering how prepared they will be if the unthinkable happens.

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## Picking up the tab

BY ALAN GUEBERT  
Farm & Food

**I**n good years and in bad, there's a lot of money in food. Regardless of the year, however, less of it flows back to the folks who actually grow the food, farmers and ranchers.

For example, the U.S. Department of Agriculture (USDA) estimates that cash paid to American farmers and ranchers this year will equal \$366.6 billion (all figures U.S. funds).

That, however, pales in comparison to total U.S. grocery sales, pegged by the Food Marketing Institute at \$668.7 billion last year.

While two-thirds of a trillion bucks is nothing to sneeze at, it's chicken feed compared to what Americans spend on food at home and what USDA labels "away" from home. That amount will again top \$1.5 trillion this year.

The industry is happy, even proud, to point to impressive numbers like these because all reinforce agriculture's economic role. But the numbers, big and small, don't tell the entire story.

For instance, on Aug. 30 USDA trumpeted that 2017 net cash income and net farm income would rise for the first time after "three consecutive years of decline." USDA sees net cash income at \$100.4 billion, up nearly 13 per cent, but net farm income will increase only \$1.9 billion, just 3.1 per cent, to \$63.4 billion.

Any upward kick is nice, of course, but \$1.9 billion spread nationwide requires a microscope to see, not trumpets to announce.

Microscopes also might be in order at the nation's largest ag co-operative, Cenex Harvest States, to examine its similarly lean year.

In late April, Reuters reported that Seara, a Brazilian grain-trading and farm management company with ties to CHS, had filed for bankruptcy, costing the Minnesota-based farm co-op "around \$200 million."

Even worse, reported Reuters, CHS appeared

to be one of the last to know that Seara was sinking; it "was surprised."

Wow, anyone watching the store at CHS?

Maybe not. In late August, the co-op again made headlines when it filed suit in Federal Court against Boersen Farms, a massive Michigan farming operation that had borrowed "more than \$145.3 million," from a CHS subsidiary.

Boersen Farms grew out of the crack-up of another giant Michigan farm, Stamp Farms when it "bought the bulk" of that operation's "land-lease agreements and other assets in what was considered one of the largest farm bankruptcies ever..."

Four years later, however, Boersen appears well on its way to where Stamp once was. On Aug. 23, CHS began collection proceedings, noting Boersen Farms consisted of "approximately 25,000 acres of corn and 58,000 acres of soybeans" in about 800 parcels scattered throughout 26 Michigan counties.

Outside those mind-boggling numbers, an even more mind-boggling question looms: Who at CHS thought loaning \$145 million to an 83,000-acre, corn and soybean farm was a wise investment?

If it was CEO Carl Casale, he's not around to answer any questions. Casale, who spent 26 years at Monsanto before arriving at CHS six years ago, was quietly replaced in May. If it was CHS board chairman David Bielenberg, he's gone, too, having resigned two weeks after Casale left.

That leaves two, new and hopefully chastened, bosses to find out what happened. It also leaves the co-op's farmers and ranchers to pick up the tab.

Little wonder there's more and more money in food and less and less cash in growing it: profits run uphill, losses run downhill.

*The Farm and Food File is published weekly through the U.S. and Canada. [www.farmandfoodfile.com](http://www.farmandfoodfile.com).*

## OUR HISTORY: October 2000

**T**he editorial in our October 5, 2000 issue noted the passing of former prime minister Pierre Trudeau, who had often been criticized for his quote from a 1968 meeting in Winnipeg when he said, "Why should I sell your wheat?" We carried the full text which followed that statement just after he was elected, which was made more as a self-deprecating joke along the lines of, "What does a sandal-wearing lawyer from Quebec know about selling wheat?" Part of what Trudeau went on to say was:

"(The Canadian farmer) is entitled... to as much protection from the Canadian government as other producers get in other countries with whom he has to be in competition... you know these are ways in which the Canadian government can help the problem. But basically unless you take the view that the government should step in and own the farms and hire the farmers, I think we all share the responsibility and we will all have to do the best we can all together."

The comment about protection for producers was appropriate for the news that week — our front-page story was a request by the Canadian Federation of Agriculture for federal and provincial governments to provide another \$1.5 billion to match subsidies in the U.S. and EU.

Grain companies were also struggling — Agricore reported a meagre \$1.3 million in earnings and UGG \$2.2 million (the two were about to merge), while SaskPool reported a loss of \$89.9 million.

Biotech corn was in the news — the U.S. was testing snack foods for the presence of Starlink corn, an unapproved type which had been approved for animal but not human consumption.



## COMMENT/FEEDBACK

# Farmers need more light, less heat, in tax proposal debate

The sector's reaction to proposed changes has been needlessly alarmist

**BY JAN SLOMP**  
NFU president

The federal government is proposing changes to the Income Tax Act aimed at collecting revenue from corporations that are using certain measures as loopholes to shelter profits from being taxed at the same rate as other Canadians' income.

There is a very heated debate in the farm community about these tax proposals, largely because some organizations and the media in general, have failed to analyze the proposals, omitted key details or have not mentioned that the government is holding public consultations. The actions of very wealthy players who are abusing provisions that were intended to help small-business owners have focused attention on tax-dodging practices, resulting in the government's proposal.

Canada's democratic system lives by the grace of fairly collected tax and prudently managed government expenditures. It is vitally important that tax loopholes are closed. The proposed changes are clearly set out to do just that.

The government is looking at three specific types of tax evasion:

- Income sprinkling (when corporations pay dividends to family members who do not contribute to the business, for the sole purpose of avoiding taxes);
- Passive investment (when a wealthy person uses their private corporation to make investments in mutual funds,

### Canada's democratic system lives by the grace of fairly collected tax and prudently managed government expenditures.

stock markets, bonds, etc. instead of investing under their own name, allowing them to pay less tax and increase their private fortune faster); and

• Converting income into capital gains (setting up shell companies and using the corporation's income to buy and sell shares in these companies, resulting in profits being counted as capital gains from these transactions instead of income from their corporation, and thus taxed at a lower rate).

The majority of farm family income in Canada comes from off-farm jobs, which is taxed up front. The proposed changes do not apply to all revenues, but only to net profits — the money left after all expenses (including salaries) are paid. And the proposed changes do not affect the existing provision for a lifetime capital gains exemption of \$1 million when passing the farm on to the next generation.

The 2016 census data indicates only 25 per cent of Canadian farms are incorporated, so for 75 per cent of farmers this tax loophole conversation is irrelevant. Several incorporated NFU farmers have asked their accountants' opinion on implications for their farms and all were assured that the

proposed legislation would have no negative impacts for them. Only a very small portion of incorporated farms are profitable enough to warrant the cost of accountant fees to set up loophole arrangements.

The Canadian Taxpayers Federation has led the bandwagon very successfully. We all should know by now that it, along with the Fraser Institute and the other corporate-funded think-tanks, have the interests of the one per cent at heart. They know how to rally the masses, create Trump-like hype characterized by shallow rhetoric, lack of substance and purely misleading statements. The media has contributed by reporting this hype and neglecting to do a thorough analysis. The one per cent knows that they are not the majority, so they dress up their wish list as if it is actually good for society.

The farm population is often targeted by opinion manipulators and demagogues working for the elite. In Canada, trust in farmers is ranked very high. Canadians know about the struggle that farmers face, as well as how much they depend on farmers feeding them. Canadians care when farmers are publicly outraged. The one per cent uses this information, and in this case, mobilizes

farmers' outrage to maintain lucrative tax loopholes for themselves as if they also help farmers.

There is a way forward to help farmers by proposing positive amendments to the Income Tax Act. Farmers are struggling to make a living on the farm. Farm debt is at an all-time high. An aging farm population struggles to maintain income security when they help set up a new generation on the farm. Farmland values are disproportionate to farm income, making the farm transfer to the next generation even more complicated.

A few practical steps helping farmers would be:

- Increase the one-time capital gains exemption to maintain income for the retiring farmers and facilitate transfers to the next generation;
- Encourage and facilitate beginning farmers with new incentives and tax breaks;
- Tax absentee and speculative land ownership to bring farmland values back in line with farm incomes to facilitate land affordability for the next generation of farmers; and
- Use tax incentives to facilitate the formation of land trusts.

We need to collect taxes where they are due and we need to use the consultation opportunities given by the federal government to advocate for the kind of tax measures that farmers actually need and that are beneficial for the Canadian public.

*Jan Slomp is president of the National Farmers' Union.*

## Death, taxes, and food

Getting taxation right for the agriculture and food sectors will require something other than one-size-fits-all thinking

**BY SYLVAIN CHARLEBOIS**  
Dalhousie University

Until recently there were two things certain in life: death and taxes. We can now add a third one: Botching the promotion of a tax reform for political gains.

Finance Minister Bill Morneau's tax reform has been a communication disaster. Various claims made about Ottawa's intentions to revamp our tax system for small corporations have been ridiculous. Some claims are predicting a recession due to the changes proposed, while others are declaring the end of entrepreneurship as we know it. Just silly. We should all take a collective deep breath and figure out how changes will impact our economy. What needs to be underscored though is how Morneau's vision for taxing small corporations will impact our agri-food sector.

Generally, the tax system is not really about pensions, legacy, and social programs. Yet for a family-owned business, it is, and there are thousands of them in agri-food. In farming, Canada now has more than 43,000 incorporated farms, compared to 23,000 incorporated farms in 2001. Despite the fact that we have fewer farms today, more of them have opted to convert their operations into a

corporation to provide an incentive to the next generation to take over the farm.

Proposed changes on capital gains would make it more expensive for a current family member to acquire the farm than for a third party. This is a critical piece of a highly complicated puzzle. Keeping families and jobs in rural Canada is not an easy task, and many agricultural producers are using our tax system wisely to secure the future of their businesses. In food processing, retailing and in the food-service sector, countless family businesses are wondering how family values immeasurably embedded in anything the corporation does can survive the next generation.

Income sprinkling is another issue Morneau is attempting to address. Presently, corporations can hire family members who work for the enterprise which reduces the tax rate for everyone. Current rules about who can be compensated and at what level are ambiguous, at best. Morneau wants to change that, and for a good reason.

Several small corporations pay family members who do not necessarily work for the company to pay less taxes. This practice should stop, but family businesses are really a different breed. Defining tasks in a family-owned business can be difficult. Many of

### With Morneau's tax reform, Ottawa will get its way in the end, but it should at the very least accommodate the unique intricacies of our agri-food sector.

the contributions made by family members are ad hoc and not easily categorizable.

Recipes, tricks of the trade, family traditions, all matter a great deal to whatever a small food outlet is doing. It is nothing like an accountant, a doctor, or a dentist. A family business is like, well, a family. The enterprise survives daily by relying on favours and duties as assigned. On a family-owned farm, a restaurant or in a small food processor, job profiles are vague, at best.

This political nightmare began in July when Ottawa launched a consultative process on how best to address tax planning practices that it believes are being used to gain unfair tax advantages. Individuals set up corporations to pay less taxes in a variety of ways.

Ottawa's intentions are noble, but it is the bombastic tone used as a backdrop to promote the plan to Canadians that has been less than effective. Consultations end on October 2.

What has really caused many of the problems is the awful, condescending rhetoric coming out of Ottawa, labelling small-business owners as a group of cheats, greedy tax evaders trying to dodge the system by using loopholes. That was simply insulting.

The government anticipates that the new regulations will bring in barely \$250 million a year. For those thinking that the Liberals are looking for ways to increase revenues for the government to pay for a ballooning deficit, they are wrong. This is really about politics, purely and simply.

Trudeau's equalitarian agenda to serve the so-called middle class is motivating the government to implement these changes. The tax regime needs change as some small corporations are using current tax rules to save money unjustifiably. Most have been quite vocal in recent weeks, but their corporations will survive the changes.

However, the stakes are much higher in agri-food and farming. This is not about being unwilling to pay more taxes. Rather, it is about the viability of an entire economic sector. Our tax regime

should differentiate and give our rural economy and family corporations some level of immunity. In fact, Ottawa should think of fiscal incentives the agri-food sector can use to grow.

Right now, it is not clear how this can be achieved. As Ottawa is attempting to bring more fairness to our fiscal landscape and fix what is largely an urban issue, it shouldn't penalize our agri-food sector.

Despite Morneau's disgraceful performance as a tax reform salesman, changes will most likely happen, to the despair of many. Changes to our tax system are obscure concepts for most Canadians who have never had a company.

Even Canadians with corporations would have a hard time understanding what is being proposed. The confusion that has led to the hysteria we are seeing today is really the government's fault and no one else's. When it comes to taxes, painting everyone with the same brush is unacceptable.

Ottawa will get its way in the end, but it should at the very least accommodate the unique intricacies of our agri-food sector.

*Sylvain Charlebois is dean of the faculty of management and professor in food distribution and policy, Dalhousie University.*

# FROM PAGE ONE

## BILL MORNEAU

Continued from page 1

don't contribute to the company, limiting passive investments unrelated to the company, and converting regular corporate income to capital gains to be taxed at a lower rate.

The biggest issues for farmers are how the proposals impact farm succession planning and passive income, Bonnett said.

When the owners of an incorporated farm sell their operation to family members now they face a 25 per cent tax bill on the earnings, but under Ottawa's reforms it would jump to 46 per cent, according to several accountancy firms, including MNP.

The government raised the issue in its discussion paper, asking for feedback to accommodate "genuine intergenerational business transfers while still protecting against potential abuses."

If retiring farmers have to pay more tax, that means buying farmers will have to pay more adding to their debt, Bonnett said.

The government flagged passive investments, pointing out it gives corporations more pre-tax money to invest than wage earners. But most incorporated farmers reinvest their retained earnings into their operations.

While most of the proposed changes affect only corporations there are a couple of exceptions, Mike Poole with MNP in Brandon, Man., wrote in an email Sept. 27.

A person receiving income from a partnership may be subject to the expanded Tax on Split Income (TOSI) rules, he wrote. One example is if a parent was farming in a corporation and was making payments for custom work, or other services, to a partnership operated by their son and daughter-in-law. To be taxed at the highest marginal tax rates, the amount received by the partnership for the custom work would have to be considered unreasonable under the circumstances. There is also a risk that the unreasonable portion of the custom work expense deducted by the corporation could be denied.

Ottawa's proposed changes would also affect the capital gain exemption of children inheriting

farmland. Instead of being able to apply their lifetime capital gain exemption on the value the farmland gained from the time they were born until the time the land was sold, the exemption would only apply on the value gained after the child turned 18.

Premier Brian Pallister, a chartered financial consultant, who ran a business advising farmers on succession planning before re-entering politics, also opposes the Liberal proposals.

"This is poorly thought out," he said in an interview Sept. 28. "This is destructive potentially to the family farm in the sense... it creates a disincentive for people to take risk and to enter into the farming life."

"I don't see the case being made that the present rules are in any way unfair or inequitable."

"They've got to back off. They have no choice in my mind."

Liberal MP Wayne Easter, who also chairs the House of Commons finance committee, says the government is getting the message.

"I think the government and the minister have made it clear there won't be any unintended consequences to farms as a result of these proposals, therefore there will be corrections made," he said in an interview Sept. 29.

Easter, a farmer, former president of the National Farmers Union and a former parliamentary secretary to the minister of agriculture, spoke out about the proposed changes early on.

"I think the objective of the government going to fair taxation is one that a great many people agree with," Easter said. "However, when you do something like that there sometimes are unintended consequences and you've got to recognize that as well. That's what consultations are all about. Consultations end on Oct. 2 and we'll have to be watchful for what comes out after that. I know the minister has been out and about and across the country and before the committee. He has taken a lot of heat on this issue. He's in a listening mode."

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## TRESPASSING

Continued from page 1

beans, reported the matter, which is now under investigation, to Manitoba Sustainable Development earlier this month.

It's not the first time they've heard complaints like this, said RM of Pipestone Reeve Archie McPherson.

"We've had other incidents of people hunting on farmland and going through crops to retrieve animals that they've shot," he said.

The problem seems to be intensifying the last couple of years as hunters from outside the area come looking for moose.

"We're getting people from a long ways away coming, from the Interlake, Swan River, Mafeking areas, and around Winnipeg and Selkirk. They say they've come here to hunt because the moose population is depleted in their areas."

And they don't seem to know who or how to ask permission from landowners, he added.

"They don't know whose land it is. Or they don't know where to obtain permission. Or they may have permission on a piece of property or several parcels, and if they don't find the animals they're looking for... these roads aren't travelled much... and they see a moose or deer and they can shoot them and retrieve them fairly quickly without being detected. There's a certain amount of that going on."

It's raising landowners' ire, he said. And it's causing farmers to not want any hunters on their land.

Brian Kotak, managing director of the Manitoba Wildlife Federation, said in cases like this a big part of the problem is not enough conservation officers to enforce the laws. That emboldens law-breakers who aren't worried about getting caught at any sort of illegal hunting activity.

"There's less enforcement out there and more opportunity for people to either do night hunting or hunt on pri-



Trespassing during hunting season is a growing problem in rural Manitoba.

PHOTO: THINKSTOCK

vate land without permission," he said.

"Without having adequate enforcement in place it really leaves the door open for people to do illegal activities."

Hunters should certainly know the rules with regard to access to private land, he said. That's all taught in the hunter education courses which they're required to have before they can be licensed to hunt.

"So I guess it's either people taking the course and they're ignoring those laws and those teachings, or it's people who are out hunting and don't have a hunting licence and they're hunting completely illegally."

"Going out hunting not having a licence and not having taken hunters' education... I have no doubt that that is happening, he said.

MWF worries about what these acts are doing to hunters' reputations as a whole, added Kotak.

"It's damaging," he said.

Provincial statistics for 2016 included 164 reports of hunting on private land without permission, 245 reports of night hunting or dangerous hunting, and an additional nine reports of hunting in a conservation closure area.

Municipal leaders in western Manitoba have raised various issues related to hunting in recent months, most notably the practice of spotlighting — the practice of shining lights into an animal's eyes at night — and pressing the province to ban it.

**"Without having adequate enforcement in place it really leaves the door open for people to do illegal activities."**

**BRIAN KOTAK**  
managing director Manitoba Wildlife Federation

Public safety scares and dead livestock drew significant attention to the matter last fall and winter.

The province said in late winter the government took the issue very seriously and was stepping up enforcement activities.

McPherson said word of the Manitoba Métis Federation voting this month to ban the practice of spotlighting in agro-Manitoba is definitely a move forward to resolving that issue.

"That's certainly a very positive move, a very positive step," said McPherson.

The MWF passed two resolutions at its annual general meeting in September that will ban spotlighting but will allow night hunting in remote and northern regions of the province to continue. The Métis Laws of the Harvest, which are self-governed, will be updated to reflect the passage of the resolutions.

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## Reporters claim national awards

The annual awards ceremony was held this year in Quebec City

### STAFF

**M**anitoba Co-operator reporters Shannon VanRaes and Allan Dawson were among several Glacier FarmMedia staff who received national awards at the annual Canadian Farm Writers Federation annual meeting in Quebec City Sept. 28 to 30.

VanRaes won the silver award in the press feature category for an article that appeared in the *Country Guide* on halal meat. She picked up the bronze award in the weekly press reporting category for her article "Get your goat on," and a bronze award in the electronic media-audio category for an item on a farmer's near miss with toxic gas in the chicken coop that appeared on Glacier FarmMedia's new podcast Between the Rows.

Dawson was awarded silver

in the press editorial category for his column, "Canada needs Churchill, but do grain farmers?"

Other winners within the GFM network of publications include reporter Lisa Guenther, who won gold in the press column category for her *Grainews* column "Facing the truth about climate change." Guenther also won bronze in the technical feature category for her article "Feeding the harvest crew."

*Grainews* editor Leeann Minogue received bronze in the press editorial category for her column "Bound up by resolutions."

Robin Booker of the *Western Producer* was awarded gold in the weekly press reporting category for his article "The one per cent clause." The *Western Producer*'s Sean Pratt received silver in that category for his story "Monsanto takeover faces tough road."

Karen Morrison received the bronze award in the feature photograph category. Barb Glen received silver in the news photograph category and William DeKay received the bronze award in that same category.

*Country Guide* columnist Gerald Pilger was awarded silver in the press column category for his column "The target is glyphosate."

Two writers with *Le Bulletin des agriculteurs*, also owned by GFM, received awards from the Quebec Farm Writers Association at the same event. Marie-Josée Parent won the award for the best technical article "Et si on produisait des insectes?" (What if we were producing insects?).

Julie Roy won the award for the best farm profile article "La volonté de réussir" (The will to succeed).

# Dill pickle vodka and chicken wings earn top prizes in 2017 food fight

The Great Manitoba Food Fight introduced a new beer and spirits edition to the competition this year in recognition of the emerging Manitoba industry

**BY LORRAINE STEVENSON**  
Co-operator staff

**T**he man behind Manitoba's first family-owned grain-to-bottle spirit producer has taken home a \$5,000 cash prize in a new category at this year's Great Manitoba Food Fight.

Jason Kang's dill pickle vodka is the young master distiller's most recent release under his Tall Grass label and its blend of wheat and rye, dill and cucumber most impressed judges during last week's first-ever craft beer and spirits edition of the food fight who awarded him the top prize package valued at approximately \$5,000.

Kang, who is based in Winnipeg, was very happy to earn this from an event hosted by Manitoba Agriculture. It is high-profile recognition, he said.

"It really means something to us," said Kang. "This is our first medal or first award that we've actually won for our product. That really proves that we have something that is basically recognized by the general public and hopefully this award can bring us more sales."

Kang was featured in an article in the *Manitoba Co-operator* earlier this year where he described a journey to becoming a distiller that began with homemade wine and beer making, eventually leading him through a half-decade of research, self-education and on-the-job training.

Tall Grass Dill Pickle Vodka is now available both direct from the distillery at 3-1680 Dublin Avenue and in Manitoba Liquor Marts.

Two others in the new beer and spirits category this year were Kevin Selch of the Winnipeg-based craft brewery Little Brown Jug Brewing with a spicy-herbal 1919 Belgian pale ale and Lawrence and Chris Warwaruk's pink lemonade made with hops and barley from their Farmery Estate Brewery at Neepawa.

The move to create the new category for alcoholic beverages is to foster further growth in the sector, said Manitoba Agriculture officials at the event.

"It's in support of an industry that is certainly taking off," said Maurice Bouvier, deputy minister of agriculture.

Three prize packages were also awarded to 10 competitors in the food edition of the competition held September 20 at De Luca's.

Winnipegger Alex Goertzen, owner of the Little Bones Wings restaurants in Winnipeg won gold in this category earning a \$13,000 prize package for his specialty chicken wings.

Thrilled to win the award, Goertzen said he was basically speechless.

"This all started with a food truck in 2012," he said. Little Bones Wings has since earned the restaurant he opened in 2014 with three 'best wings in Winnipeg' titles. Customers wanted to buy the wings which set him on course for creating parcooked and frozen versions of what's served at his restaurant.

"I would love to see Little Bones Wings all across Canada. It's been my goal since I opened my food truck. I've wanted restaurants all across Canada but

now I think we're pursuing just having our wings across Canada," he said.

The silver prize winner in the food edition was awarded to Piña Romolo of Piccola Cucina in Winnipeg for her hemp macaroons.

Jeremy Silcox of Mr. Biltong Beef Jerky Company won the bronze prize for his 'biltong and stokkies' South African-style dried meat products.

Other innovative new food products featured at the event included a beet chip created by 'Dr. Beetroot Canada,' a bison bone broth from Gold Bone, a tamarind and mango chutney from Cheeky Chutney, an upscale version of ramen noodle from Canada Knightsbridge Corp., and a plant-based vegan pizza 'cheez' developed at Diana's Cucina and Lounge in Winnipeg. A chickpea-based patty from Azra's Kitchen

in Winnipeg and Newdale-based CanFarm Foods Ltd. Big Prairie Sky cold-pressed canola oil were also in the competition.

GMFF is sponsored by the Manitoba government, in partnership with De Luca's Specialty Foods Store and Food and Beverage Manitoba.

This is the 11th year of the competition which has to date featured 148 competitors, said Manitoba Agriculture Minister Ralph Eichler.

Manitoba is home to many exceptional entrepreneurs bringing new foods and beverages to the marketplace and the province wants to support their journeys, Eichler said.

The Great Manitoba Food Fight has seen many past participants go on to develop and expand businesses with their products.

"Sixty per cent of them have gone on to develop their prod-

ucts to varying degrees, from selling to farmers' markets to retail grocery distribution," he said.

"Events like this assist in growth of our agri-food processing sector and add value to our local-grown commodities."

Food and beverage manufacturing employs more than 14,000 Manitobans and produces more than \$4.5 billion in finished products every year.

Executive director of Food & Beverage Manitoba Dave Shambrock was equally impressed with this year's entries.

"The quality of the business presentations and the products were outstanding," he said in a release. "As these new products enter the market and attract new customers, these companies will create new jobs and new wealth for Manitoba."



Jason Kang with Capital K Distillery took first place at the Great Manitoba Food Fight for his dill pickle vodka. Kang was competing in a new category introduced at the event for beer and spirits. PHOTO: ALEXIS STOCKFORD

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# Dry season causes combine fire concern

It was an issue in Saskatchewan, but there are no official numbers available for Manitoba

**BY ALEXIS STOCKFORD**  
Co-operator staff

Meg Reynolds had little warning before the combine she was driving went up in flames.

The Saskatchewan producer was midway through a field of durum wheat Sept. 9 when the blaze sparked in the engine.

Her engine temperature was clear the last time she checked it, she said, something she does regularly while in the driver's seat, and there were no strange noises to indicate there was something wrong with the machine. Likewise, the telltale smoke was blown away from the cab, leaving her unaware of the growing danger.

"I had my rad alarm trip, so it was just saying that it was struggling to suck air," she said. "I checked my engine temperature again and it said it was OK. As soon as I had done that, there was something that caught my eye and I could see billowing smoke and flames to my left by the door."

Reynolds immediately escaped the cab and called 911 before returning to fight the flames with a leaf blower and, later, her own sweater. Her husband, likewise, joined in the fight after returning to the field with the couple's grain truck.

By the time the local fire department arrived, the fire was largely under control, Reynolds said.

Reynolds' story echoes the sporadic combine fires that pop up every harvest, an inevitable result of hot engines working among flammable grain dust and chaff, but stories pack a larger punch this year, when much of the Prairies have either teetered on the edge of drought or fallen past the threshold into crisis.

South-central Saskatchewan, in particular, raised constant alarm from Canada's Drought Monitor this summer.

By May, all of agricultural Saskatchewan save the southwest corner was in a state of extreme fire risk and more than 300 grass fires had been reported.

By the end of July, drought conditions were being blamed for residential fires when the dry earth contracted, yanking live wires out of electrical boxes. In early August, CBC reported that seven fires in Regina could be linked to the drought.

By the start of September, the government extended its fire ban, a ban some parts of the province had been dealing with for a month.

Reynolds believes that the hot, dry conditions and dust contributed to the fire on her farm.

"Every morning, we blow our combines off with a leaf blower and an air compressor and then throughout the day we keep stopping and blowing out the rad and I think just chaff built up in the engine somewhere, is my guess," she said.

This season has been "pretty bad," for dry weather and dust, she noted, although the region went through a similar dry patch several years ago.

By Sept. 15, Saskatchewan's fire danger had receded somewhat and most agricultural

**"Every morning, we blow our combines off with a leaf blower and an air compressor and then throughout the day we keep stopping and blowing out the rad and I think just chaff built up in the engine somewhere, is my guess."**

MEG REYNOLDS

areas sat at moderate or high risk, although fire hazards were still "extreme" in a patch of central Saskatchewan.

## Manitoba too

Manitoba has been more fortunate, although conditions in the south have been dry for much of the year.

A wet spell in mid-September eased some local fears with a low-pressure system bringing rain to much of southern Manitoba.

Chad Davies, fire chief for the Newdale Fire Department, said there has been a heightened fire risk for the last month, although he expects risk to go down with the recent rains.

A local farmer lost a field of barley in his area, Davies



Meg Reynolds came too close to the flames for comfort when fire broke out in the combine she was driving on her Saskatchewan farm in early September. PHOTO: MEG REYNOLDS

said, but the fire was considered "suspicious" and no farm equipment was involved.

The Office of the Fire Commissioner, likewise, says it has not heard of any significant rise in combine fires, although a spokesperson urged farmers to consider the conditions they are working in and keep fire extinguishers on hand.

In many ways, Reynolds says she was lucky. The blaze took about 15 acres of the field she was harvesting, but was slowed by a dividing strip, cut earlier

to separate two side-by-side durum fields.

The wind, likewise, hit a temporary lull, picking up again soon after the fire was put out.

The family had about 400 acres left to harvest, although Reynolds noted that they own an older combine and a family friend arrived the day after the blaze to harvest 120 acres of canola.

"We're lucky that it wasn't at the beginning of harvest," she said.

It was the third fire within

45 kilometres in the same short period of time, including another combine fire and a bale fire, according to Reynolds, who is also a member of the local fire department.

## Lack of data

At least part of the problem is that nobody knows how many producers have tales like Reynolds, said Keith Castonguay, Manitoba Farm Safety Program director. There is an endemic lack of safety data in the farm industry, he said.

**"OUR MERIDIAN SMOOTHWALL HAVE PROVEN TO SAVE ME TIME AND MONEY"**

-Jack Froese, Froese Enterprise Inc.

Reinfeld, MB



Continued from previous page

Castonguay has been searching for statistics on farm-related injuries, deaths and incidences such as fires. Short of calling every fire department in Manitoba, however, he says there is little information available.

"Farmers don't report things," he said. "Generally it's through social media."

"In any other industry, if you get injured, you have to report through workers' compensation," he added.

That requirement does not

apply to family farms where only family members are employed, although the Workers Compensation Board encourages voluntary participation, while Castonguay pointed out that the nature of family farms, where the workplace and home are one and the same, means that injuries to children often also slip through the reporting cracks.

"I'm actually just working right now on changing that so that we can get more current up-to-date information and in a timely manner so that we can put out — through social media

or through advertising or whatever we have to do — to create awareness about the incidences so that we may be able to prevent future ones from happening," he said.

The Manitoba Farm Safety Program has put fire in its sights this month. Castonguay says fire safety and extinguishers will appear in the program's next official publication. The program also launched its new hog barn fire assessment service Sept. 12.

The new program will inspect barns using infrared cameras to identify hot spots and faulty

wiring, the cause of most hog barn fires in Manitoba.

"One of the problems that I see with farmers in Manitoba is, to tell them to go out and get something like a first aid kit or a fire extinguisher may sound fine when you're living in Winnipeg, but if you're out in the middle of distant Manitoba, it would be hard to get it," Castonguay said. "What we're asking is that if they have a problem, give us a call and we'll help source (supplies) for them. If I have to drive it to the farm personally for them, I will."

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## How many fire extinguishers are enough?

Experts weigh in on how to avoid combine fires

BY ALEXIS STOCKFORD

Co-operator staff

Keith Castonguay, Manitoba Farm Safety Program director, says walkabouts are critical to catch combine blockages before they heat up and catch fire.

"When you shut the machine off, you walk around looking for hot spots or any accumulated chaff that you might have there that might pose a problem," he said.

Combine fires are a common risk during harvest, when straw blockages in the engine can cause the engine to overheat, underlubricated bearings can heat, sparking a blaze in the crop residue passing through the combine or crop residue inside the machine can spontaneously combust, driven by the dry, fine dust, spilled oil and built-up static electricity and heat.

Manitoba's Office of the Fire Commissioner also advises farmers to:

- Inspect machinery before running it;
- Avoid running machinery in wet areas since wet plant material is more likely to get clogged than dry out due to engine heat and catch alight;
- Carry at least one fire extinguisher along with a collapsible shovel and pail in farm equipment; and
- Avoid driving in "long cured grasses."

Manitoba's Office of the Fire Commissioner is not aware of any on-farm fire extinguisher standards, although it recommends at least a five-pound ABC extinguisher, which uses dry chemicals and is cleared for all three classes of fire ranging from trash and wood to grease and electrical fires.

"One thing I wish we would've had is fire extinguishers in the trucks," Meg Reynolds, a Saskatchewan producer whose combine caught flame earlier last month, said. "Not that they would've done much for the combine, but I didn't even grab the water one as

I was getting off the combine because it was right there and I was trying to get off as fast as possible and I just knew it wasn't going to help me with much. It was 20 seconds of water. That wasn't going to help do anything with the combine or the field."

In reality, Castonguay said, equipment manufacturers usually publish their own fire safety standards and recommendations, although those standards vary.

The safety program director says he has had sales people recommend a 20-pound extinguisher in the field.

"I discussed this with the fire inspectors and they said this would be impractical because of both size and weight," he said. "We discussed 10 pounds as a compromise and they thought that was OK, but their recommendation was still the five-pounder."

Castonguay added that the Office of the Fire Commissioner feels any fire

needing more than a five-pound extinguisher should be handled by trained firefighters.

Morag Majerison, safety adviser with Keystone Agricultural Producers, reported that two machinery dealerships in Brandon both recommended a five-pound extinguisher in all tractors and a 10-pound extinguisher in the combine.

Producer Chuck Fossey, however, would like an even more stringent bar. Fossey suggests that each combine contain two extinguishers, one near the cab and one near the engine.

Fossey stressed that regular cleaning, including any spilled oil, may lower the fire risk, as well as checking bearings and regularly greasing equipment to avoid friction. A number of producers have installed their own miniature reservoirs to use in case of field fires.

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## WHAT'S UP

Please forward your agricultural events to [daveb@fbcpublishing.com](mailto:daveb@fbcpublishing.com) or call 204-944-5762.

**Oct. 7:** Roland Pumpkin Fair. Visit [rolandpumpkinfair.pbworks.com](http://rolandpumpkinfair.pbworks.com).

**Oct. 14:** Manitoba Rural Women's Day: A Healthy Mind is a Treasure to Find, 9 a.m. to 4 p.m., Minnedosa Community Conference Centre, 63 Main St. N., Minnedosa. For more info visit [www.mbw.ca/manitoba-rural-womens-day-2017/](http://www.mbw.ca/manitoba-rural-womens-day-2017/).

**Oct. 18-19:** Wolf and Carnivore Conference, Riverlodge Place, Thompson. For more info visit [www.thompsonspiritway.ca/conference/](http://www.thompsonspiritway.ca/conference/).

**Oct. 25-28:** Manitoba Ag Ex, Keystone Centre, Brandon. Call 204-726-3590 or visit [manitobaagex.com](http://manitobaagex.com).

**Oct. 28:** Manitoba Rural Women's Day: A Healthy Mind is a Treasure to Find, 9 a.m. to 4 p.m., Community Hall, 76 Second Ave., Komarno. For more info visit [www.mbw.ca/manitoba-rural-womens-day-2017/](http://www.mbw.ca/manitoba-rural-womens-day-2017/).

**Nov. 1-2:** National Environmental Farm Plan (EFP) Summit, Westin Ottawa, 11 Colonel By Dr., Ottawa. For more info visit [nationalefp.ca/nefp-summit/about-the-nefp-summit/](http://nationalefp.ca/nefp-summit/about-the-nefp-summit/).

**Nov. 2:** Keystone Agricultural Producers fall advisory council meeting, 9:30 a.m., William Glesby Centre, 11 Second St. NE, Portage la Prairie. For more info call 204-697-1140.

**Nov. 8:** Manitoba Pork Council fall producer meeting, venue and time t.b.a., Steinbach. For more info visit [manitobapork.com](http://manitobapork.com) or call 204-237-7447.

**Nov. 9:** Manitoba Pork Council fall producer meeting, venue and time t.b.a., Portage la Prairie. For more info visit [manitobapork.com](http://manitobapork.com) or call 204-237-7447.

**Nov. 14-15:** Grain World conference, RBC Convention Centre, 375 York Ave., Winnipeg. For more info call 204-805-1284.

**Nov. 19-21:** Manitoba Farm Women's Conference, Victoria Inn, 3550 Victoria Ave., Brandon. For more info visit [www.manitobafarmwomensconference.ca](http://www.manitobafarmwomensconference.ca).

**Nov. 23-25:** National Farmers Union annual convention, Holiday Inn Ottawa East, 1199 Joseph Cyr St., Ottawa. For more info visit [www.nfu.ca](http://www.nfu.ca).

**Nov. 29-30:** Western Canada Cleantech Innovation Forum, RBC Convention Centre, 375 York Ave., Winnipeg. For more info visit [meia.mb.ca/event/127](http://meia.mb.ca/event/127) or call 204-783-7090.

**Dec. 5-7:** Western Canada Conference on Soil Health/Western Canadian Grazing Conference, Radisson Hotel Edmonton South, 4440 Gateway Blvd., Edmonton. For more info call 780-836-3354.

**Dec. 14:** Hog Days, 10 a.m. to 4:30 p.m., Manitoba Room and UCT Pavilion, Keystone Centre, 1175-18th St., Brandon. For more info visit [www.hogdaysbrandon.ca](http://www.hogdaysbrandon.ca).

### 2018

**Feb. 7:** Ignite: FCC Young Farmer Summit, 10 a.m. to 3:30 p.m., Victoria Inn, 1808 Wellington Ave., Winnipeg. For more info visit [www.fcc-fac.ca/en/acknowledge/events/ignite.html](http://www.fcc-fac.ca/en/acknowledge/events/ignite.html).

**Feb. 8-9:** Manitoba Beef Producers annual general meeting, Victoria Inn, 3550 Victoria Ave., Brandon. For more info or to register visit [www.mbbef.ca/annual-meeting/](http://www.mbbef.ca/annual-meeting/).

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# LIVESTOCK MARKETS

## Cattle Prices

	Winnipeg	September 29, 2017
<b>SLAUGHTER CATTLE</b>		
Steers		
Heifers		—
D1, 2 Cows		77.00 - 83.00
D3 Cows		66.00 - 73.00
Bulls		88.00 - 96.00
<b>FEEDER CATTLE</b> (Price ranges for feeders refer to top-quality animals only)		
Steers		155.00 - 188.50
(901+ lbs.)		155.00 - 174.00
(801-900 lbs.)		177.00 - 196.00
(701-800 lbs.)		190.00 - 206.50
(601-700 lbs.)		200.00 - 216.00
(501-600 lbs.)		207.00 - 238.50
(401-500 lbs.)		220.00 - 256.00
Heifers		155.00 - 174.00
(901+ lbs.)		165.00 - 186.00
(801-900 lbs.)		175.00 - 189.00
(701-800 lbs.)		178.00 - 189.00
(601-700 lbs.)		188.00 - 201.00
(501-600 lbs.)		195.00 - 218.00
<b>SLAUGHTER CATTLE</b> (\$/cwt)		
Grade A Steers	\$ (1,000+ lbs.)	\$ 105.96 - 133.93
Grade A Heifers	(850+ lbs.)	\$ 109.96 - 129.41
D1, 2 Cows		80.00 - 94.00
D3 Cows		70.00 - 87.00
Bulls		100.55 - 100.55
Steers	\$ (901+ lbs.)	\$ 180.00 - 193.00
(801-900 lbs.)		189.00 - 204.00
(701-800 lbs.)		196.00 - 214.00
(601-700 lbs.)		205.00 - 222.00
(501-600 lbs.)		211.00 - 231.00
(401-500 lbs.)		220.00 - 242.00
Heifers	\$ (901+ lbs.)	\$ 165.00 - 176.00
(801-900 lbs.)		171.00 - 186.00
(701-800 lbs.)		176.00 - 191.00
(601-700 lbs.)		179.00 - 193.00
(501-600 lbs.)		185.00 - 201.00
(401-500 lbs.)		191.00 - 211.00
<b>Alberta South</b>		
<b>Ontario</b>		
Grade A Steers	\$ (1,000+ lbs.)	\$ 105.96 - 133.93
Grade A Heifers	(850+ lbs.)	\$ 109.96 - 129.41
D1, 2 Cows		80.00 - 94.00
D3 Cows		70.00 - 87.00
Bulls		100.55 - 100.55
Steers	\$ (901+ lbs.)	\$ 180.00 - 193.00
(801-900 lbs.)		189.00 - 204.00
(701-800 lbs.)		196.00 - 214.00
(601-700 lbs.)		205.00 - 222.00
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(701-800 lbs.)		176.00 - 191.00
(601-700 lbs.)		179.00 - 193.00
(501-600 lbs.)		185.00 - 201.00
(401-500 lbs.)		191.00 - 211.00

### Futures (September 29, 2017) in U.S.

Fed Cattle	Close	Change	Feeder Cattle	Close	Change
October 2017	108.98	-1.13	September 2017	152.78	-0.40
December 2017	115.05	-1.15	October 2017	152.95	-2.93
February 2018	118.55	-0.70	November 2017	154.95	-1.88
April 2018	119.85	-1.65	January 2018	152.58	-0.60
June 2018	113.38	-0.83	March 2018	149.63	-0.03
August 2018	111.08	-0.47	April 2018	149.43	-0.20

### Cattle Slaughter

	Week Ending Sep 23, 2017	Previous Year		Week Ending Sep 23, 2017	Previous Year
Canada	58,897	58,802	Prime	736	1,205
East	12,705	12,434	AAA	30,009	34,818
West	46,192	46,368	AA	17,888	14,385
Manitoba	NA	NA	A	897	500
U.S.	637,000	596,000	B	1,083	1,158
			D	6,738	5,931
			E	408	321

### Hog Prices

(Friday to Thursday) (\$/100 kg)			Source: Manitoba Agriculture	
E - Estimation				
<b>MB. (\$/hog)</b>	<b>Current Week</b>	<b>Last Week</b>	<b>Last Year (Index 100)</b>	
MB (All wts.) (Fri-Thurs.)	143E	150.95	149.54	
MB (Index 100) (Fri-Thurs.)	133E	140.31	138.57	
ON (Index 100) (Mon.-Thurs.)	125.66	135.11	136.67	
PQ (Index 100) (Mon.-Fri.)	131.04	140.76	142.58	

### Futures (September 22, 2017) in U.S.

HOGS	Close	Change
October 2017	55.55	-1.78
December 2017	58.28	0.48
February 2018	63.35	0.48
April 2018	68.45	-0.63
May 2018	74.73	-0.70

### Other Market Prices

#### Sheep and Lambs

\$/cwt	Winnipeg	Woolen Fats	Toronto	SunGold Specialty Meats
Ewes	Choice	—	125.75 - 159.42	—
Lambs	(110+ lb.)	—	206.22 - 227.24	—
	(95 - 109 lb.)	Not Available	227.49 - 241.18	—
	(80 - 94 lb.)	This Week	220.67 - 251.36	—
	(Under 80 lb.)	—	202.10 - 303.87	—
	(New crop)	—	—	—

#### Chickens

Minimum broiler prices as of April 13, 2010		
Under 1.2 kg.....	\$1.5130	
1.2 - 1.65 kg.....	\$1.3230	
1.65 - 2.1 kg.....	\$1.3830	
2.1 - 2.6 kg.....	\$1.3230	

#### Turkeys

Minimum prices as of September 24, 2017		
Broiler Turkeys (6.2 kg or under, live weight truck load average)		
Grade A ..... \$1.920		
Undergrade ..... \$1.830	</td	

## GRAIN MARKETS

### COLUMN

# Canola remains rangebound despite support for soy

The latest USDA report put pressure on wheat values

#### DAVE SIMS

CNSC



**I**CE Futures Canada canola futures spent most of the week ended Sept. 29 chopping around in their recently established range, despite two major reports that moved other agricultural markets.

The U.S. Department of Agriculture on Friday released its quarterly stocks report, in which it pegged U.S. soybean stocks at 301 million bushels. That was far higher than last year's figure of 197 million, but still failed to meet most analysts' expectations. This caused soybeans to rise sharply but traders took profits shortly before the close to mute the full extent of the gains.

Canola also took strength from the report, but not enough to dent major resistance, which some traders put at just under \$500 a tonne.

Canola's dominant November contract lost \$2.90 during the week ended Sept. 29 to finish at \$492.40 a tonne.

While canola hasn't sustained any major rallies in the past few weeks, the commodity has shown surprising resilience in the face of declining vegetable oil markets.

Exporter pricing was cited as one of the reasons for canola's firmness during the past few weeks.

Harvest delays in parts of the western Prairies due to rain were also supportive, along with a recent surge in export demand.

On the bearish side, canola was pressured by an announcement early in the week by the U.S. Environmental Protection Agency, which said it was considering cuts to the amount of biofuel

that must be blended into U.S. fuel. The reductions would be implemented under the renewable fuel standard (RFS) in 2018 and 2019. For now, the agency says it's just looking for feedback on the idea, but the move was still serious enough to cause oilseeds, most noticeably soyoil, to drop.

Volumes should pick up in October when traders typically begin rolling their positions out of the November contract.

Corn futures on the Chicago Board of Trade hung steady in narrow trade during the week ended Sept. 29. USDA pegged corn stocks at 2.23 billion bushels, which came in at the lower end of expectations. The market rose momentarily but farmers began unloading stockpiles which capped the rally. On the international front, new estimates for the South African crop revealed the country was sitting on a record harvest of 16.5 million tonnes.

Soybeans softened as traders took profits on the heels of the USDA report. The agency pegged stocks at 301 million bushels, which was higher than last year's but lower than what most analysts were expecting. Late crop development in the U.S. was a bearish feature. The basis also weakened in many areas and barge-freight costs were quite high.

The wheat market moved above and below the key US\$4.50 mark during the week. In USDA's report, both the stocks and domestic production figures surpassed expectations, which weighed down the market. The quick pace of the Russian wheat harvest also undermined prices. On the other side, weekly export sales hit 435,700 tonnes, which surpassed expectations.

*Dave Sims writes for Commodity News Service Canada, a Winnipeg company specializing in grain and commodity market reporting.*

**For three-times-daily market reports and more from Commodity News Service Canada, visit the Markets section at [www.manitobacooperator.ca](http://www.manitobacooperator.ca).**

### Manitoba Elevator Prices

Average quotes as of October 2, 2017 (\$/tonne)

	Future	Basis	Cash
E. Manitoba wheat	229.19	9.08	238.27
W. Manitoba wheat	229.19	-6.94	222.25
E. Manitoba canola	492.40	-22.98	469.42
W. Manitoba canola	492.40	-28.71	463.69

Source: pdqinfo.ca

### Port Prices

As of Friday, September 29, 2017 (\$/tonne)

	Last Week	Weekly Change
U.S. hard red winter 12% Houston	180.13	-2.75
U.S. spring wheat 14% Portland	273.28	3.31
Canola Thunder Bay	502.40	-2.40
Canola Vancouver	517.40	-2.40

### Closing Futures Prices

As of Thursday, September 28, 2017 (\$/tonne)

	Last Week	Weekly Change
ICE canola	492.40	-2.40
ICE milling wheat	228.00	-2.00
ICE barley	145.00	0.00
Mpls. HRS wheat	229.19	-4.04
Chicago SRW wheat	164.70	-0.46
Kansas City HRW wheat	162.68	-2.76
Corn	139.85	0.69
Oats	162.92	2.11
Soybeans	355.77	-5.88
Soymeal	343.27	-3.86
Soyoil	718.17	-31.31

### Cash Prices Winnipeg

As of Friday, September 29, 2017 (\$/tonne)

	Last Week	Weekly Change
Feed wheat	n/a	n/a
Feed barley	152.49	-3.67
Rye	n/a	n/a
Flaxseed	431.87	-8.66
Feed peas	n/a	n/a
Oats	185.45	3.24
Soybeans	375.89	0.73
Sunflower (NuSun) Fargo, ND (\$U.S./CWT)	17.00	n/a
Sunflower (Confection) Fargo, ND (\$U.S./CWT)	Ask	Ask

# Prairie wheat bids dip with U.S. futures

MGEX December spring wheat futures slipped by 11 U.S. cents on the week

#### BY ASHLEY ROBINSON

CNS Canada

**H**ard red spring wheat bids in Western Canada slipped during the week which ended Sept. 29, as losses in Minneapolis futures weighed on cash prices despite weakness in the Canadian dollar.

Depending on the location, average Canada Western Red Spring (CWRS, 13.5 per cent protein) wheat prices were down as much as \$2 per tonne across the Prairie provinces, according to price quotes from a cross-section of delivery points compiled by PDQ (Price and Data Quotes). Average prices ranged from about \$222 per tonne in western Manitoba to as high as \$242 in northern Alberta.

Quoted basis levels varied from loca-

**Average (CWRS) prices ranged from about \$222 per tonne in western Manitoba to as high as \$242 in northern Alberta.**

tion to location, but generally held steady to range from about \$7 below the futures to \$13 per tonne above the futures when using the grain company methodology of quoting the basis as the difference between U.S. dollar-denominated futures and Canadian dollar cash bids.

When accounting for currency exchange rates by adjusting Canadian prices to U.S. dollars, CWRS bids ranged from US\$178 to US\$193 per tonne, slightly down on a U.S. dollar basis on the week. That would put the currency-

adjusted basis levels at about US\$36-\$52 below the futures.

Looking at it the other way around, if the Minneapolis futures are converted to Canadian dollars, CWRS basis levels across Western Canada range from \$45 to \$65 below the futures.

Changes in Canada Prairie Spring Red (CPSR) wheat bids ranged from up by \$1.50 to down by \$1 per tonne, with prices ranging from \$166 to \$184 per tonne.

Average durum prices held fairly

steady, with bids in Saskatchewan coming in at about \$262-\$269 per tonne.

The December spring wheat contract in Minneapolis, off of which most CWRS contracts Canada are based, was quoted at US\$6.2375 per bushel on Sept. 29, down 11 U.S. cents from the previous week.

Kansas City hard red winter wheat futures, which trade in Chicago, are more closely linked to CPSR in Canada. The December K.C. wheat contract was quoted Sept. 29 at US\$4.4275 per bushel, down 7.5 U.S. cents compared to the previous week.

The December Chicago Board of Trade soft wheat contract settled at US\$4.4825 on Sept. 29, down 1.25 U.S. cents on the week.

The Canadian dollar settled Sept. 29 at 80.13 U.S. cents, down by roughly one cent on the week.

# COUNTRY CROSSROADS

CONNECTING RURAL FAMILIES

## The Manitoba and North Western Railway

The now-forgotten railway was one of the region's 'colonization railways'

BY ALEX CAMPBELL

Manitoba Agricultural Museum

In the photo collection of the Manitoba Agricultural Museum, there is photo of several railway flatcars marked Manitoba and North Western. These cars belonged to a railway operating in Manitoba between 1881 and 1900.

The Government of Canada in the early 1880s embarked upon a policy of granting land subsidies to small railway companies in the hope of opening up those areas of the Prairies which did not have the advantage of the Canadian Pacific main line running through these areas. These railways were referred to as colonization railways, one of which was the Manitoba and North Western (M&NW).

The M&NW was originally called Portage, Westbourne and North Western and was chartered to build a rail line between Portage la Prairie and Yorkton, then in the Northwest Territories. Construction started in 1881 and by 1882 the railway was graded as far as Gladstone. The railway finally reached Yorkton in 1889. Branches were built from Minnedosa to Rapid City and from Binscarth to Russell in 1886.

The M&NW was originally financed by Morgan Grenfell, who was the leading London affiliate of the New York financier J.P. Morgan. The railway was renamed Manitoba and North Western when the shipping magnate Hugh Allan and his family purchased an interest in the railway. Allan had ideas for a railway stretching from the U.S. border to Edmonton, however, this never came about. Allan had been involved in the government attempt in the 1870s to build a railway to B.C. which had collapsed in 1873 due to a scandal. The government in the 1880s was leery of Allan and limited aid to the M&NW.

While the railway received a 1.4-million-acre land grant, there is suggestion that the slow pace of construction of the M&NW resulted in the grant being reduced due to not meeting deadlines. If the deadlines had been met, then the grant could have been as much as 2.5 million acres.

A number of issues worked against the Manitoba and North Western in the 1880s. The 1880s were not a good decade for Prairie agriculture between drought, early frosts and a generally depressed world economy leading to poor prices for agricultural commodities in the 1880s. While settlers moved onto the Prairies in the 1880s, the flood of settlers that was expected did not materialize. Traffic on the M&NW was sparse as a result.

It was also an expensive railway to operate as the steep grades involved in crossing the Little Saskatchewan Valley at Minnedosa and the Assiniboine Valley at Millwood limited train lengths, which increased operating expenses.

The M&NW had a habit of issuing "land warrants" good for 160 acres to organizations which provided M&NW with financial aid. This land was to be located on the land reserved by the government for the M&NW land grant when



A steam shovel loading fill onto Manitoba and North Western flatcars. Steam shovels were capable of swinging the boom from side to side but the boom was fixed in position and only the bucket or dipper and the "dipper stick" could be raised and lowered. However, the dipper stick can be moved in and out. One can make out the rack bolted to the bottom of the dipper stick over the shoulder of the man in the bowler hat and vest. The large gear on the side of the boom worked a pinion which ran the rack back and forth. A small steam engine mounted on the shovel worked this gear. The movable dipper stick made the steam shovel more effective. Other steam engines on the shovel swung the boom from side to side as required and worked the winch which raised and lowered the dipper. PHOTO: MANITOBA AGRICULTURAL MUSEUM

the government got around to settling up the grant. The result was that the bulk of the land grant wound up in the hands of a comparatively few companies that appear to have been in no hurry to sell the land which further limited settlers and potential traffic on the railway. Apparently the creditors of M&NW wound up owning 1.37 million acres of the M&NW land grant, the bulk of which was sold to settlers after 1895.

By 1894 the Manitoba and North Western was bankrupt and in the hands of a receiver. The receiver recognized that the railway was, outside of the grades through the river valleys, well built and had value. The CPR was interested in the railway as were William MacKenzie and Donald Mann, who were railway contractors who went on to build the Canadian Northern Pacific Railway which became part of the Canadian National Railway in 1918.

However, the CPR held the winning hand in negotiations for the M&NW, as the CPR supplied all of the locomotives, passenger cars, baggage cars and snowplows the M&NW needed. All the M&NW owned was 109 boxcars, according to one account. But as the photo shows there were flatcars painted with the Manitoba and North Western name which indicates the railway also owned flatcars.

It appears that the shareholders and bondholders of the M&NW realized that they were in a weak position with the CPR. If the CPR withdrew its locomotives and rolling stock the railway would cease to operate until other arrangements could be made for equipment. Given the CPR had problems obtaining equipment at the time, it could be quite some time before arrangements could be made for needed cars and locomotives. While the

shareholders and bondholders of the M&NW sought the best deal they could get, the railway was finally sold to the CPR in 1900.

Given the height of the bank behind the steam shovel it appears the photo was taken at a place where the railway was climbing out of a valley. There are two possible locations, either at Minnedosa where the railway had to cross the Little Saskatchewan River Valley or at Millwood where the railway crosses the Assiniboine River Valley.

Many readers at this point will be wondering, "Why is a long-gone railway of interest to the Manitoba Agricultural Museum and the ink-stained wretches who write for the museum?" While the activity in this photo can make a good story, the real story is an enduring contribution the M&NW made to the settlement of the Prairies which is seen all around us today.

In the spring of 1885 CPR agents in the U.S. made acquaintance with the Hungarian Count Paul Esterhazy who was determined to "rescue" his fellow Hungarians from the coal mines of Pennsylvania as coal mining was a particularly harsh occupation at this time. To the CPR these miners represented potential settlers which could generate railway traffic. Count Esterhazy was invited to visit the Prairies and did so, becoming persuaded that the Prairies were a potential home for the miners.

One roadblock was the land grants. Even in a railway land grant reserve, every other section was a homestead section with the railway owning the other sections plus the Hudson's Bay Company owned a section in every township and a further section in every township was set aside for sale with the proceeds going to erect a school.

Esterhazy persuaded both the CPR and M&NW to swap their land in certain areas for government land elsewhere, in order to allow the Hungarian settlers to settle in a solid block.

On July 30, 1885 a group of coal miners left Pennsylvania and several days later arrived in Winnipeg where they were met by M&NW officials and taken on to homesteads some 18 miles from Minnedosa which, by all accounts, provided fertile soil, good grazing and an abundance of timber. The leader of the group was a Mr. Dory, who was Hungarian and who was knowledgeable about agriculture and was able to pass this knowledge on to the miners. A further group of miners followed on August 30, 1885 to the Minnedosa area. The M&NW also provided credit to the settlers which was used to purchase cattle and farm tools.

While the term Hungarian is used here, the Austro-Hungarian Empire was a jumble of ethnic groups and, by one account, the settlers comprised Magyars, Slovaks, Ukrainians, Czechs and South Slavs. It could well be some settlers were from other ethnic groups found in the Austro-Hungarian Empire.

In 1886, Hungarian settlers were located by the CPR on a block north of Whitewood. Later the town of Esterhazy was built in this area. George Stephen, president of the CPR at the time, ensured credit was made available to this group of settlers.

A third Hungarian colony of 17 families was then established by the Government of Canada and the M&NW on a block near Neepawa. Again the M&NW provided these settlers with credit. Within six years most of the loans were paid back to the M&NW by the settlers who had generated money from farming activities and the sale of firewood to the nearby town of Neepawa. The block the settlers occupied was apparently well wooded and posed significant issues in clearing as the settlers had rudimentary tools at best. However, in clearing the land, the settlers appear to have realized they had a salable commodity in the fallen wood.

The success of these settlements prompted the CPR, the Allan family and the Government of Canada to send a Mr. Theodore Zboray to Hungary in 1888 to recruit more settlers where he was promptly arrested by the authorities for emigration propaganda.

However, Count Esterhazy was able to promote emigration in Hungary and, even better, the settlers sent letters home to Hungary and to their family and friends still in the U.S. Slowly word spread through Eastern Europe and in the Hungarian community in the U.S. that a better life could be found in Western Canada. The Hungarian colonies of the 1880s set the stage for the flood of Eastern European settlers to the Prairies after 1895, which has enriched the Canadian Prairies including Manitoba.

The Manitoba Agricultural Museum is open year round and operates a website at <http://ag-museum.mb.ca>.

*Alex Campbell is the executive director of the Manitoba Agricultural Museum, at Austin.*

## COUNTRY CROSSROADS

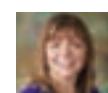
# Prairie fare



## Enjoy more apples this season

Apples are more than just tasty snacks, they're good for your health

BY JULIE GARDEN-ROBINSON  
NDSU Extension Service



**W**e didn't get any apples on our apple tree this year," my 19-year-old daughter lamented. "Not even one."

My neighbours cut down their aging apple tree last year, so that probably had something to do with our fruitless tree.

According to NDSU Extension information written by our horticulture specialists, "many tree fruit cultivars cannot set fruit with their own pollen, so you must select and plant two different cultivars to ensure fertilization."

A "cultivar," by the way, is a plant variety produced through selective breeding. So another cultivar (crabapple) would help our tree produce fruit. More than likely, we have enough apple trees in our neighbourhood.

I talked with Extension horticulturist Todd Weinmann from Cass County. He reminded me that this past spring, we had a late frost, which destroyed many of the flowers on apple trees in our community.

I will hope for warmer weather next spring because we enjoy apples from our tree.

Our tree has provided a key recipe ingredient, along with many pleasant memories, including this one from several years ago.

"That apple tree is amazing," my then-12-year-old daughter exclaimed as she held up a large, bright-red apple. "Look at this apple!" She had just come inside after using our apple picker to pluck some of the brightest-red fruits high in the tree in our backyard.

"We can make lots of things with apples, can't we?" I responded. I noted the bags of apples waiting to be consumed or given away.

Our family was making use of all sorts of devices to pick and process our apples. My daughter was turning the handle of our apple peeler-corer-slicer device, and ribbons of apple peelings were falling into the sink. I was making apple crisp with my then-seven-year-old daughter, using my older daughter's peeled apples.

Later, I overheard my husband comment to my daughter, "Do you smell the apples cooking? You'll remember this aroma all your life."

Besides providing tasty snacks and recipe ingredients, apples are good for your health. Whether an "apple a day keeps the doctor away" depends on lots of things: your genetics as well as your nutrition choices, physical activity level and other factors.

Apples have been found to help with weight maintenance or loss as well as blood glucose management. Eating more apples may reduce the risk for heart disease and certain types of cancer. Other researchers have explored the relationship between apple consumption and asthma and Alzheimer's disease.

Along with several vitamins and minerals, apples provide pectin, a soluble fibre that may help reduce or maintain blood cholesterol levels. Apples also provide health-promoting antioxidant compounds, especially in the peel.

**Besides providing tasty snacks and recipe ingredients, apples are good for your health.**



Apples are healthy foods and are at their best when you eat the whole fruit fresh. PHOTO: THINKSTOCK

For the longest storage, keep apples in a plastic bag in a refrigerator away from strong-smelling foods because they may absorb the flavours of other foods. Apples give off ethylene gas, which may cause browning of other produce; the plastic bag helps prevent this issue.

Apples are high in water content, so they may shrivel if they are kept in low-humidity areas. Remove any decayed apples from the storage container because the decayed fruit may speed the decay of other apples.

Do you have a lot of apples in need of recipes? See *From Orchard to Table: Apples!* which horticulture specialist Esther McGinnis and I wrote. This 2017 publication lists a wide variety of cultivars that grow well in our region, along with the harvest season, flavour, culinary use and storage life. We also provide 14 recipes ranging from Apple Relish to Apple Smiles (which will make you smile).

To access the handout and much other information, visit <https://www.ag.ndsu.edu/food> and type "apples orchard to table" in the search box.

Try making freezer applesauce to enjoy this winter. You will control how sweet or tart you prefer your applesauce.



Homemade applesauce is a great way to enjoy apples. PHOTO: NDSU

### Make-your-own freezer applesauce

- Choose apples that are free of bruises and decay.
- Wash, peel, core and quarter apples.
- Cook apples on medium heat for 10 to 20 minutes until tender.
- Add 1/2 cup water.
- Stir often to prevent burning.
- Mash the pulp into sauce.
- Add 1/8 cup sugar per quart of sauce (optional).

- Leave out the spices. Spices lose their flavour with freezing. Add spices to the sauce after you thaw it.
- Cool the sauce in a shallow pan in the refrigerator.
- Pack the sauce in rigid freezer containers, leaving 1 inch of head space.
- Freeze at 0 F and use within 12 months.

Julie Garden-Robinson is a North Dakota State University Extension Service food and nutrition specialist and professor in the department of health, nutrition and exercise sciences.

## COUNTRY CROSSROADS

**G**ood morning honey," Andrew Jackson appeared in the doorway of the kitchen clad in pyjamas and robe, hair still wildly askew after a good night's sleep. "What'cha doin'?"

His wife, Rose, didn't answer immediately, focused as she was on the keyboard and screen in front of her on the kitchen table. She picked up her coffee cup and took a sip, then typed a few words before she finally spoke.

"Good morning to you," she said. "You look like a caveman."

"I am a caveman," said Andrew, "and quite a stylish one, I might add. But I will be less of a caveman when I've had some coffee."

"Help yourself," said Rose. "It's fresh. I made it five minutes ago."

"Nice," said Andrew. He walked over to the counter and opened the cupboard door to look for a mug. "What am I today?" he said. "World's best dad, or world's best husband?"

"World's best caveman," said Rose.

"I don't think I have a mug for that," said Andrew.

"I'll have to order you one from Amazon," said Rose.

"Please do," said Andrew reaching up and grabbing a black mug with silver lettering. "In the meantime, my coffee will pay tribute to the quality farm equipment of Westfield Industries." He poured himself a cup of steaming brew then sat down at the table. "You haven't answered my question," he said.

"What question was that?" asked Rose.

"What'cha doin'?" said Andrew.

"Ah yes," said Rose. "I am composing an email to the kids."

"Oh," said Andrew. "Say hi from me."

"This is not a 'saying hi' type of email," said Rose. "This is more of a 'here's how it's going to be' email. If you want to say hi to the kids you should send your own email."

"I don't want to say hi to the kids," said Andrew, "unless someone else wants to type the words." He took a sip of his own coffee. "If I may ask, what is the subject of this email you are composing? You look pretty serious."



## The Jacksons

By Rollin Penner

"Thanksgiving dinner," said Rose.

"I see," said Andrew. "It doesn't get more serious than that."

"No, it does not," Rose agreed.

"What's the gist?" Andrew wanted to know.

Rose paused and typed another line before answering. She looked up at Andrew. "The gist," she said, "is that I would like to have Thanksgiving dinner here at our house. I want the whole enchilada. I mean I don't actually want enchiladas..."

"Of course you don't," said Andrew. "The pilgrims didn't sit down with the natives to share a bountiful harvest of enchiladas, after all."

"I want turkey, obviously," Rose continued. "Turkey and gravy and mashed potatoes and homemade stuffing and cranberry sauce and roasted vegetables and butternut squash casserole and pumpkin pie with whipped cream for dessert. Did I miss anything?"

"You could add a little salt," said Andrew.

"Sure," said Rose, "and pepper for those who want it. I want all of those things. I want to cook all of that, with the usual help from you my dear, and then I want everyone to sit down and eat, like the big happy family that we are, with the usual lively conversation and laughter and all that."

"So far so good," said Andrew.

"But here's the kicker," said Rose. "When we're done eating, I want to get up from the table and go to the sunroom and play with the grandchildren, and I do not want to come out until every plate and spoon and cooking utensil has been washed and put away and every counter and tabletop wiped and polished and every crumb swept up off the floor. That's what I want."

There was a moment of silence while Andrew pondered that.

"Here's another possibility," he said, at length. "Just you and me, in Mexico, eating enchiladas."

"I'm not going to lie," said Rose, "that scenario has a certain charm. But I really do want to have the family together. I just don't want to have to recover for a whole week afterwards."

"Nor should you have to," said Andrew.

"And yet, somehow, I always do," said Rose.

Andrew looked thoughtfully at the steam rising from his mug. "We need a paradigm shift," he said.

"A bigger dishwasher wouldn't hurt either," said Rose.

"Let's stick with the paradigm shift for now," said Andrew. "Send your email. What's the worst that could happen?"

"I have to stay in the sunroom for a week?" said Rose.

"If so," said Andrew, "I will bring you leftovers."

"I hope it doesn't come to that," said Rose. "But I do like leftovers."

"Don't we all," said Andrew. "Don't we all."

## Two fall projects to try

It's not too late to gather foliage and seed heads from the garden to provide material to work with

BY ALBERT PARSONS

Freelance contributor

**H**ave you run out of garden projects? Does your creative side want to express itself? If so, these projects may interest you. My wife and I travelled to Italy this summer to visit our son and his family. July is not a good time for an avid gardener like me to take a trip, but a good friend looked after the garden, and we just had to see our two-year-old granddaughter! One hotel where we stayed had giant dried flower wreaths mounted on the walls in the sitting area and dried/pressed flower pictures on the dining room walls.

Years ago I created some pressed flower pictures which hung on the walls of our Birtle living room so I can give you a "how to" for that, and tell you how I think the wreaths were constructed to get you started.

The pressed flower pictures I saw in Rome used foliage; leaves and stems arranged in attractive ways. I had used pansy flowers, but the disadvantage of using flowers is that they will fade, whereas the foliage — most of which was in various shades of brown, will stay attractive for much longer. The foliage pieces I saw were attached to the backing with thin strips of white tape (I wondered if it was made solely for that purpose). I had used white glue and tried to hide the glue. When I worked with the pressed pansy flowers I glued each petal separately, making for tedious work.



Pressed foliage pictures covered the dining room walls. PHOTOS: ALBERT PARSONS



One of the wreaths was mounted on a textured green background.

Any material used must be quite flat, so no thick stems or bulky flowers. The best way to press flowers and foliage is to place them in a big book between sheets of paper and weighed down with bricks. It takes a week or more for them to dry. Be careful not to bend any of the flowers or leaves as these flaws will be evident once they are dry. I used construction paper matting as a background; the pictures I saw in Rome were fastened to an off-white paper background. The glass placed over the pictures will assist in holding the flow-

ers and foliage in place. The Roman pictures were framed identically and there was no space between the pictures when they were hung on the walls, creating a solid wall of pressed plant pictures.

The large wreaths on the walls were quite spectacular but rather rustic, and seemed out of place in the grand surroundings of the hotel. They were not actually constructed on the walls but rather had been made on panels that were then fastened to the wall, making it appear as if they were actually created right on the walls. This makes sense as it would require a great deal of effort to restore the walls to their original condition if the installation had been placed directly onto the walls. A very textured paint had been used and I think grasses and mosses were incorporated into the paint to create even more texture. The wreath form was created by attaching sticks, straws and grasses to the background.

Dried moss and dried white hydrangea blooms were the most significant features although there were some artificial green leaves and a few artificial flowers used as well. I found these to be less attractive and if I was doing such an installation I would use only natural material. Cones, seed heads, grains, and poppy seed pods could be used — and could be coloured if more colour was desired. I could imagine using dark-brown dock, dried goldenrod and tansy, pampas grass, and grains, and perhaps some colourful twigs and straw stems. I'm not sure how the different elements of the wreaths were attached, as no fastening materials were visible — maybe glue.

As I look at such creations I am always thinking about how they can be adapted if I try them. I would probably make a sturdy wreath out of willow branches and then fasten the elements to it and hang it, not putting it on a backdrop panel. The background, although adding to the overall effect of the creation, will collect dust, especially if placed in a veranda or sunroom where dust is prevalent.

There is still time to collect foliage, dried flowers and lots of seed heads and seed pods from the garden. Perhaps you will use some of this material to create a feature wall in your surroundings, or create an autumn wreath. Or, you might pick some late-blooming pansies and create a pressed flower picture or two. There is always a garden project just waiting to be tackled and our summer trip to Italy provided me with yet another possibility!

Albert Parsons writes from Minnedosa, Manitoba

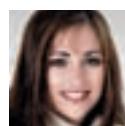
## COUNTRY CROSSROADS

# Grocery store secrets you need to know

Here's some things to be aware of so you don't buy more than you intended to

**REENA NERBAS**

Household Solutions



- Fresh fruits and colourful veggies are placed at the front of the store. Studies show that when consumers fill their carts with healthy goodness, they feel less guilty about purchasing pre-packaged, less healthy food.
- Fresh vegetables are sprayed with water to make them glisten. The water also adds weight to veggies and makes them rot faster. Before you put them into your cart, shake off excess water.
- Ready-to-eat food costs more. Foods such as pre-grated cheese cost 30 to 60 per cent more than grating it yourself. Wash and rip your lettuce at home. Wash and slice veggies and fruit at home. Save money by hand choosing loose produce such as tomatoes, peppers, oranges, kiwi etc. instead of pre-bagged produce.
- Over the past few years, shopping carts nearly doubled in size and consumers are spending about 19 per cent more to fill the cart.
- The beat of music in supermarkets is often slower than our own heartbeat. An easy-listening tempo causes us to move slower and take our time. Consider wearing headphones with an upbeat tempo.
- Know your prices, because bulk foods are sometimes sold at higher prices than packaged foods.



There is much thought put into the layout and placement of food products in a grocery store. PHOTO: THINKSTOCK

- If you look at the packaging on fresh fish, you might find the words "Previously Frozen," which means it was frozen and then thawed. Frozen grocery store fish is cheaper and often fresher than fresh grocery store fish.
- The most expensive grocery items are placed at eye level. Look higher or lower on shelves for better deals. The exception to this — items like sugary cereal which is displayed on lower shelves to grab the attention of children.
- Ever notice that grocery stores have no clocks and few windows? Most windows are situated near the checkout aisle. Stores are banking on the hope that you will lose track of time and purchase more.
- Shelf ends appear to offer sales or special promotions, but the truth is that manufacturers pay big bucks for end-of-aisle position and the savings may be non-existent.
- Staple items such as milk, eggs and butter are usually spread around the store perimeter and located at the back or sides, causing you to walk through the entire store to pick up items. Stick to your list and avoid impulsively adding merchandise to the cart.
- Some stores now have TVs at the checkout. This causes you to view store ads and distracts you from your purchases.
- Studies show that Wednesday is the best day of the week to shop. There are less people in the store and many retailers begin sales mid-week.

If you look at the packaging on fresh fish, you might find the words "Previously Frozen," which means it was frozen and then thawed.

Research shows that Saturday consumers purchase more when surrounded by crowds of people.

- Stores pair items such as: salsa and taco chips, dip and veggies, honey and tea etc. While consumers might look at this as a nice convenience, it actually gives you the idea to purchase two items instead of one.
- Avoid shopping when you're hungry.

Looking to the future: Underneath the floors of supermarkets around the world, subtle speed bumps are being installed. These speed bumps cause consumers to slow down without even realizing it and stopping to browse shelves.

Reena Nerbas is a popular motivational presenter for large and small groups. Check out her website: [reena.ca](http://reena.ca). Ask a question or share a tip at [reena.ca](http://reena.ca).



## This Old Elevator

In the 1950s, there were over 700 grain elevators in Manitoba. Today, there are fewer than 200. You can help to preserve the legacy of these disappearing "Prairie sentinels."

The Manitoba Historical Society (MHS) is gathering information about all elevators that ever stood in Manitoba, regardless of their present status. Collaborating with the *Manitoba Co-operator* it is supplying these images of a grain elevator each week in hopes readers will be able to tell the society more about it, or any other elevator they know of.

MHS Gordon Goldsborough webmaster and Journal editor has developed a website to post your replies to a series of questions about elevators. The MHS is interested in *all* grain elevators that have served the farm community.

Your contributions will help gather historical information such as present status of elevators, names of companies, owners and agents, rail lines, year elevators were built — and dates when they were torn down (if applicable).

There is room on the website to post personal recollections and stories related to grain elevators. The MHS presently also has only a partial list of all elevators that have been demolished. You can help by updating that list if you know of one not included on that list.

Your contributions are greatly appreciated and will help the MHS develop a comprehensive, searchable database to preserve the farm community's collective knowledge of what was once a vast network of grain elevators across Manitoba.

Please contribute to This Old Grain Elevator website at: <http://www.mhs.mb.ca/elevators>.

You will receive a response, by email or phone call, confirming that your submission was received.

Goldsborough is interested in hearing all sorts of experiences about the elevators — funny, sad, or anything in between. Readers willing to share their stories can leave messages at 204-474-7469.



A 30,000-bushel wooden grain elevator, at the Dipple Siding (named for local settlers John and Elizabeth Dipple) on the CN line through the Rural Municipality of Macdonald, was built in 1921 for the Paterson Grain Company. It operated until 1949 when it was closed and later demolished. It has been gone so long that few remember it. In 2001, artist Millie Burch, a granddaughter of the Dipples who grew up near the elevator, painted it from memory as a 75th-birthday gift for her brother Ross Dipple. Now in her 90s, Millie wonders if any readers have photos or memories of this elevator.

# WEATHER VANE

"EVERYONE TALKS ABOUT THE WEATHER, BUT NO ONE DOES ANYTHING ABOUT IT." *Mark Twain, 1897*



## Big change coming next week?

Issued: Monday, October 2, 2017 · Covering: October 4 – October 11, 2017

### DANIEL BEZTE

Weather Vane



Last week's forecast played out pretty close to what weather models predicted. The biggest differences were the widespread light frost on Thursday morning and the showers/light rain last Sunday afternoon over eastern regions.

This forecast period will begin with seasonably cool conditions as a weak high pressure builds in from the west behind a departing area of low pressure over northern regions. Expect daytime highs in the low teens with overnight lows right around freezing. By Friday, this high will be moving off to our east, which will place us in a warm southerly flow on the back side of the high. Daytime highs for Friday and Saturday are expected to be in the upper teens to around 20 C, depending on the amount of sunshine.

Over the weekend the weather models show a large area of low pressure forming over northwestern

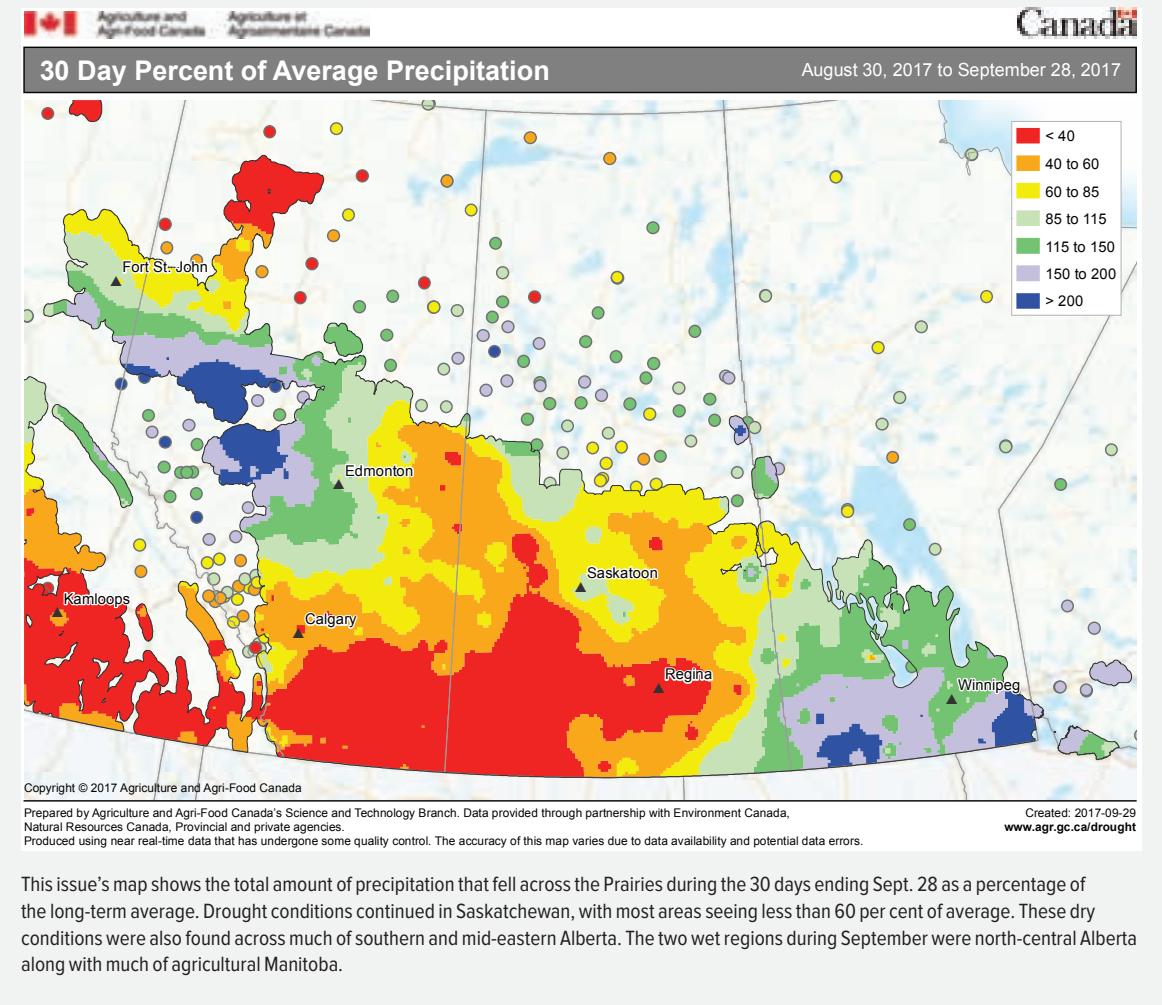
Canada. This low is then forecast to move quickly to the southeast, bringing showers and possibly the first flurries of the season to southern and central Manitoba on Monday. Sunday looks like it will be the transition day, with strong westerly or northwesterly winds and falling temperatures.

This system should quickly pull off to the east by Tuesday. The weather models then show a fairly large area of arctic high pressure building southward behind the departing low starting on Wednesday. While confidence in this part of the forecast is low, if it does pan out we should expect to see much colder air move in for the second half of next week. Expect overnight lows to fall into the -5 to -8 C range, with daytime highs only recovering into the low single digits.

Usual temperature range for this period: Highs, 8 to 19 C; lows, -2 to +7 C.

*Daniel Bezte is a teacher by profession with a BA (Hon.) in geography, specializing in climatology, from the U of W. He operates a computerized weather station near Birds Hill Park. Contact him with your questions and comments at daniel@bezte.ca.*

### WEATHER MAP - WESTERN CANADA



## Another growing season comes to an end

A dry summer generally left workable soils, even after September's wet second half

### BY DANIEL BEZTE

Co-operator contributor

Another month has come and gone and it's time to look back at our weather so far this fall. To start off, we saw the end of the growing season across most regions last week, as temperatures fell just below freezing last Thursday morning. I know at my place the thermometer measured an overnight low of -0.6 C, but looking at the garden there were only a few minor indications of frost. That said, the official numbers are the official numbers, so here are the final frost-free season lengths for the three major centres in Manitoba.

It was a remarkably consistent frost year with all three locations seeing both the last spring frost and the first fall frost within a couple of days of each other. While this year's frost-free season wasn't as long as last year's, we still saw a frost-free season that was around two weeks longer than average.

Looking back at September, it was a warmer-than-average month. The biggest driver behind the warm September temperatures was the

extremely warm start to the month. The first two weeks saw temperatures that were more like summer than early fall. Daytime highs soared into the low to mid-30s on Sept. 12 and broke numerous daily record highs. While we did see a few cool periods during the second half of the month, warm fall temperatures seemed to win out. When all the numbers were added up, the Winnipeg region was the absolute and relative hot spot, with a mean monthly temperature of 14.2 C, which was 1.5 C above its long-term average. The Dauphin region came in a close second with a mean monthly temperature of 13 C, which was 1.3 C above average. Last, but not least, was the Brandon region, which saw a mean monthly temperature of 12.7 C or about 0.9 C above the long-term average.

Looking at precipitation across the province, the dry weather we saw this summer finally broke during the second half of the month. Several systems brought significant rains during the last couple of weeks of September. Most notable were the scattered thunderstorms that brought upward of 30 to 40 mm on Sept. 22. Most of south-

### THIS YEAR'S FROST-FREE SEASON

STATION	2017 DATA			1981-2010 AVERAGE			RANGE*	
	LSF	FFF	FFS	LSF	FFF	FFS	90%	10%
DAUPHIN	May 18	Sept. 29	132	May 23	Sept. 17	116	86	132
BRANDON	May 19	Sept. 29	133	May 17	Sept. 14	119	94	124
WINNIPEG	May 17	Sept. 29	135	May 23	Sept. 22	121	96	141

LSF = last spring frost; FFF = first fall frost; FFS = length of frost-free season, in days.

\* Denotes range of expected length of frost-free season, in days, 90 per cent of the time and 10 per cent of the time.

ern Manitoba saw rainfall amounts of around 60 to 80 mm in September, about 15 to 30 mm greater than average. The Dauphin region was the dry spot, with a report of about 50 mm of rain in September, or about five mm below its long-term average. Thanks to the dry summer, even the wettest areas could handle the rain, with most areas reporting workable soil conditions.

### Who called it?

Overall, it was a warmer- and wetter-than-average month across most of Manitoba. Looking back at the forecasts, both of the almanacs were off, with predictions of cool and wet conditions. NOAA, CanSIPS, CFS, Environment Canada and my forecast all called for a warmer- and drier-than-average month. This means nobody was able to cor-

rectly predict this September's weather. The question now is, does this mean our late-fall and early-winter forecast will be off as well?

According to the *Old Farmer's Almanac* we will see a colder-than-average remainder of fall and the first part of winter, along with near- to slightly below-average amounts of rain/snow. The *Canadian Farmers' Almanac* also calls for colder-than-average temperatures as it mentions cold several times in its discussion. It also appears to call for above-average amounts of precipitation as it mentions stormy, wet, snowy conditions several times.

Moving on to Environment Canada, it calls for a better-than-average chance of seeing slightly warmer-than-average temperatures along with slightly higher-than-

average amounts of precipitation. The CFS model calls for a warmer-than-average October that will then transition to a colder-than-average November and December. Along with the colder temperatures will come near-average amounts of snowfall. The CanSIPS model calls for above-average temperatures to continue, but will slowly cool toward more average values by December. It also follows the CFS models and is predicting near-average amounts of precipitation.

Finally, here is my meager attempt at forecasting. With no strong global driving forces in place going into this winter, I will have to rely on persistence. This means that until we see a definite shift in the weather pattern that we've been in over the last several months, there is no reason to expect it to change. So, I will go with a forecast for slightly above-average temperatures along with near- to slightly below-average amounts of precipitation. As usual, all we have to do now is sit back and see what will happen. As for the rest of the winter, I will take a look at that in a month or so, but my gut is still saying we are long overdue for an epic winter storm.



**ROURKE** Continued from page 17

are the Rourkes' own design. The two camera-guided tillers are built for in-crop weed control, tearing out plants growing between rows while leaving crop largely untouched.

While the larger home-build is in the last stage of development, tour attendees saw the smaller of the two at work in a nearby hemp field.

David Rourke estimates the home-built 20-foot cultivator cost one-fifth to one-quarter as much as a similar machine would have cost from a dealer.

Besides Don Rourke, who counts "heavy-duty mechanic" on his resumé, another farm worker is a formally trained mechanic while David Rourke, himself, has mechanical inclinations.

Perhaps ironically, given the added tractor hours necessary in the farm's current system, David Rourke is a former advocate of zero till and actually based his master's study on the practice.

Now, however, he says he has seen a benefit in rolling back from a strict zero-till system.



Tour attendees examine how various pieces of equipment handle green manure. PHOTO: ALEXIS STOCKFORD

"Over my almost 40-year farming career, we've actually increased the rate of salinity around here and that bothers me a lot," he said. "We have to start managing the whole

upland part of the soil much different than we have in the past. Cover crops, I think, are probably the key and probably the best way to use those in organic farming. They fit in very

nicely. It's not the only way, but I think it's the best way... you put away the Roundup jug and you have to come up with other techniques and the downside is you have to use some tillage.

You have to figure out how to till shallow, how to till, sometimes, fast or slow, how to be effective with tillage without spending a lot of time and money and fuel doing it."

No-till management has been widely advocated to limit erosion and improve soil health.

Despite the learning curve, Rourke Farms has projected roughly the same profit as it made in conventional agriculture through the next two years of its transition, even with one-third of its acres now put to green manure.

"We will make about the same money because we don't have the inputs," Don Rourke said. "We've had a lot of capital purchases, a lot of iron, but we haven't factored that into actual profit. That's capital; we could turn around and sell those. For what it takes us to grow a crop, our diesel fuel's gone up, seed's gone down a bit; (there's) no chemicals, no fertilizers."

The younger Rourke expressed concern over potential market flood, however, should a glut of farmers decide to, likewise, transition to organic production.

astockford@farmmedia.com

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## BRIEFS

### Manitoba NDP names new agriculture critic

STAFF/Manitoba's former education minister has been pressed into service as the new agriculture critic for the province's official opposition.

Wab Kinew, who was elected Sept. 16 as the leader of the opposition New Democrats, on Sept. 21 named James Allum, the MLA for the Winnipeg riding of Fort Garry-Riverview, as the critic for agriculture.

Allum will also continue to handle the critic files for finance and for growth, enterprise and trade in Kinew's shadow cabinet.

Kinew on Sept. 21 also named former premier Greg Selinger, the MLA for the Winnipeg riding of St. Boniface, as deputy agriculture critic, as well as deputy critic for environment and climate change behind Wolseley MLA Rob Altemeyer.

Allum, first elected to the legislature in 2011, served in Selinger's administration for two stints as minister of education and advanced learning (2013-14, 2015-16) and for a six-month period in 2014-15 as minister of justice.

Before entering provincial politics, Allum worked for the City of Winnipeg, where his last post was as manager of Aboriginal Initiatives in the office of the city's chief administrative officer.

As agriculture critic, Allum replaces Mohinder Saran, the MLA for the Winnipeg riding of The Maples. Saran, who was tapped as the ag critic in May 2016, was kicked out of the NDP caucus in January and now sits as an independent.

# Manitoba project aids Zimbabwean food security

Hemp Genetics International thinks Canadian and Zimbabwean farmers can learn from each other

**BY ALLAN DAWSON**  
Co-operator staff/Miami, Man.

If you had four children, but only enough food to feed one, how would you choose? It's a choice Vurayayi Pugeni's mother had to make when he was growing up in Zimbabwe. Fortunately it's not one mothers today in Pugeni's village have to make because they enjoy food security, thanks in part to a research project designed by Martin Entz, a professor of cropping systems and agronomy at the University of Manitoba, with help from others including Alden Braul, an agronomist who is now with Hemp Production Services, a sister company to Hemp Genetics International.

They designed an intercropping system for the country which gave farmers a diversity of crops to plant and harvest simultaneously, including new legumes crops.

"There's also food diversity in the food people eat because the legumes are giving people opportunity to have diversified foods," Pugeni, who works on African development programs for the Mennonite Central Committee out of Winnipeg and with the Zimbabwe-based NGO Score Against Poverty, told those attending an organic hemp field day at Wayne Williment's farm Aug. 23. "Farming systems are now more resilient," Pugeni said because the project has introduced inter-



Vurayayi Pugeni, who works with the Mennonite Central Committee out of Winnipeg and Score Against Poverty, a Zimbabwean NGO, says a project designed by the University of Manitoba's Martin Entz and his colleagues has brought food security to his Zimbabwean village through innovations such as intercropping with legumes. PHOTO: ALLAN DAWSON

cropping, including legumes, into the local farming system.

"For example, our farmers say lablab (a type of bean) is so drought resistant even in the worst drought year they are assured of a harvest. The other thing is that yields are increasing because of the cover crops, because of the intercrops are working as cover crops and they are also fixing nitrogen in the soil and for that reason the cereal yield is actually looking good."

Intercropping suppresses weeds and that makes life easier for mothers who get stuck with the weeding.

"So we are already seeing the gender impacts of this work that

is helping people adjust to climate change and food insecurity," he added.

The project started with four farmers, Braul said. Then it went to 12 and then more than 100.

"This next year it will be probably in the hundreds," Braul said, adding that Hemp Genetics International and Hemp Production Services have been supporting the project technically and financially.

"We'd like to take some of our (Canadian) farmers to visit these projects and encourage farmers and others to also support this project because it has a lot of good things going for it."

The companies, which are owned mostly by farmers, have

**"For example, our farmers say lablab (a type of bean) is so drought resistant even in the worst drought year they are assured of a harvest."**

VURAYAYI PUGENI

been his approach in Canada and Zimbabwe

"They (farmers) are very smart, they are very intuitive and that's what we are doing — working with them and empowering people," he said. "We're giving them a tool box and saying, 'let's work together and apply what you want to do.'"

The collaboration is opening farmers' imaginations and that's unlocking possibilities, Pugeni said.

"People are experimenting," he said. "People are not so afraid of mixing crops together."

And that's making more land available to women, who traditionally sow their legumes in plots close to home. But with legumes now being intercropped with maize — a crop grown by men on bigger acreages — men and women are working together.

"And who wins? The ladies are like, yeah, 'I have more land for my legumes,'" Pugeni said. "So women now have more access to land."

Pugeni said he thanks God every day for bringing him to Canada.

"This is a land that is so blessed and people here are so fortunate to have food and to have food in abundance," Pugeni said. "So as you break your bread every day think about people all over the world who are hungry, particularly think about Score (Against Poverty)."

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## CROP REPORT

# Harvest resumes following rains

Manitoba Agriculture crop report issued October 2, 2017

## **Southwest Region**

Seasonal to above-normal temperatures during the week allowed for good harvest progress to be made. A weekend storm stalled harvest progress and brought 10 to 75 mm of rain to some areas. There were reports of hail damage.

Spring cereal harvest is approaching completion with only isolated fields remaining.

Overall 70 to 80 per cent of canola harvest is complete. The majority of canola harvested this week was straight cut. Canola yields and quality are good.

The majority of soybeans have reached the R8 stage of development but due to wet conditions, very few producers have started harvest.

Flax harvest has started, but no yield reports to date.

Winter wheat and fall rye seeding is complete. Frequent rains and showers have resulted in excellent emergence and early-season growth with most fields now in to the two- to three-leaf stage.

Several producers were able to put up corn silage over the past week and yields look to be average to above average with good quality.

Grain corn and sunflowers continue to mature. No harvest reports yet.

Several producers are moving cattle to fall pastures and some are selling calves. Overall feed outlook is good.

## **Northwest Region**

Good harvest progress was made throughout the week and into the weekend. Some field work followed on fields that were harvested. Rain started late Sunday night and continued into Monday, bringing all harvest operations and field work to a halt. Moderate to high daytime temperatures throughout the week and weekend helped crops dry

down, while nighttime temperatures dipped down most nights, with a hard frost early Friday morning.

Progress on canola harvest moved along steadily over the past week with Roblin reported as nearly complete, the Swan Valley region approximately 85 per cent complete, and yields for the entire region ranging from 50 to 60 bu./ac.

Spring wheat harvest is near completion with 90 to 100 per cent of the crop harvested for the region. Spring wheat yields of 75 to 80 bu./acre around Roblin and 60 to 90 bu./acre around Swan River have been reported.

Harvest of barley and oats is generally complete with reports of oats yielding 150 bu./acre and barley yielding 100 bu./acre in the Roblin area. Soybean harvest has started in the Swan Valley region with approximately 15 per cent complete. Reported yields so far range from 35 to 50 bu./ac. Flax remains standing in the Roblin area. Peas are harvested with yields ranging from 60 to 75 bu./acre in the Roblin and Swan River areas. Volunteers and weeds continue to actively grow in fields that are harvested.

Corn silage harvest continues with reported yields ranging from 14 to 18.5 tons/ac. Light frosts have producers inquiring about nitrates. Cattle are being hauled home, or to fall pastures.

## **Central Region**

Harvest progressed slowly this past week, due to the previous week's rains. Producers were back in the fields by Thursday/Friday, and strong winds allowed for long hours of combining until showers started on Sunday afternoon. Harvest and field work are currently at a standstill. Harvest is estimated at 70 to 90 per cent complete. A very light frost occurred on Friday in the northwest part of the region.

Cereal, canola, pea and, flax yields and quality are very good this year; harvest of those crops is generally complete. Yields are reported as; hard red spring wheat 55 to 100 bu./acre, barley 75 to 120 bu./acre, oat 110 to 180 bu./acre, canola 40 to 65 bu./acre, field pea 50 to 90 bu./acre, flax 27 to 40 bu./acre.

Soybean harvest continues, ranging from 60 to 70 per cent complete for the region; and is more advanced in the eastern part of the region. Early yield reports are in the 17 to 50 bu./acre range; average yield is expected to be 30 to 35 bu./acre.

Edible bean harvest is 70 to 75 per cent complete. Yields are average to slightly above average. Early yield reports are 1,800 to 2,000 lbs./acre for pinto beans, and 2,000-plus lbs./acre for cranberries. Higher yields have been reported. Some quality issues reported where beans were lying in swath during rains, but quality is generally good.

Corn silage harvest has begun. Grain corn was ripening prematurely due to dry conditions; harvest is likely two weeks away.

The most advanced sunflower fields have been desiccated; harvest will start when conditions allow. High numbers of blackbirds are reported in some corn and sunflower fields.

Some fields are being assessed for post-harvest weed control, as rains have improved weed regrowth. There have been some inquiries regarding testing for suspected herbicide-resistant weeds.

Post-harvest harrowing and cultivating operations continue; rains have improved field conditions significantly. Scraping for surface drain maintenance is underway; good progress has been made.

Soil sampling for nutrient

availability continues, and fertilizing has begun.

Second-cut hay is complete, yields are below average. Wild hay harvest continues. Livestock water supply is 85 per cent adequate. More rainfall is needed to replenish dugouts.

## **Eastern Region**

Harvest resumed on Thursday/Friday, and continued until rainfall began on Sunday afternoon. Total rainfall accumulations for last week ranged from five to 70 mm with southern districts receiving the highest accumulations. During the latter half of the week, daytime temperatures were normal to above normal under sunny skies with sometimes windy conditions.

Average soil moisture conditions on cropland were rated as 100 per cent adequate across the region. Soil moisture conditions on hay and pasture land were rated at 80 per cent adequate and 20 per cent short with the driest soil conditions occurring in southern districts.

Canola harvest is nearing completion with approximately 95 per cent of the crop harvested. Yields are being reported in the 45 to 55 bu./ac. range. Soybeans are in the R8 growth stage and dried down, approximately 25 per cent of soybeans in the region have been harvested. Yield reports are ranging from 20 to 40 bushels per acre.

Most sunflower acres have been desiccated and are drying down. Corn is at R6 and drying down.

Some pasture and hayfields that received hog manure are demonstrating good regrowth which some producers are grazing. Corn silage being harvested with generally good yields but some producers had disappointing yields as the cobs were on the small side. Dugouts are about half-

full with this past week's rainfall. Livestock producers are starting to feed livestock on pasture. Livestock winter feed supplies were rated as 20 per cent surplus and 80 per cent adequate for hay and straw and adequate for greenfeed and feed grains.

## **Interlake Region**

Intermittent rains and cool, wet conditions continue to stall harvest; the weather allowed for one day of combining in the last seven. There have been no killing frosts reported by any of the weather stations so far this fall.

In the south Interlake, canola, cereal and peas harvest is complete with excellent yields. Approximately 60 to 70 per cent of the soybeans are harvested with yields in the 30 to 35 bu./acre range. Sunflowers are desiccated and corn is mature but needs to dry down before harvest.

Approximately 40 per cent of fall field work is complete in the south Interlake. The majority of cereal acres have been tilled.

In the north Interlake, approximately 40 per cent of the soybeans, 50 per cent of the canola, and 10 per cent of the alfalfa seed have been harvested. Some late desiccation of alfalfa seed crops is still occurring.

Heavy harrowing and deep tillage are occurring throughout the north Interlake.

Phosphorus fertilization is occurring throughout the region on fields that are intended for soybeans in 2018. Fertilization of hayfields is starting.

Soil moisture conditions across the region on cropland, hay and pasture are rated as 100 per cent adequate.

Grass growth has slowed with cooler temperatures and shorter day lengths, and cattle are being moved off summer pastures or supplemental feeding occurring. Most haying is complete.



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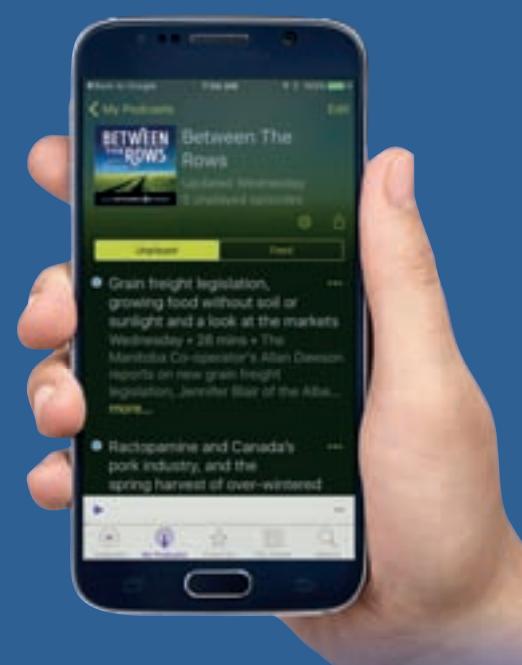
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# Manitobans sign up to Drive Away Hunger

Farm Credit Canada (FCC) hopes to add at least five million meals' worth of support to Canada's food banks through its over-month-long Drive Away Hunger campaign

BY ALEXIS STOCKFORD

Co-operator staff

**C**ombines may be busy on the field, but Farm Credit Canada (FCC) is occupied with a different kind of harvest.

This year marks 14 years of FCC's Drive Away Hunger campaign, a joint fundraising and food drive held nationally by FCC each fall in support of Food Banks Canada.

The program launched Sept. 6 and will run until Oct. 13.

Carla Warnyca, FCC manager of community investment, says the campaign hopes to gather five million meals' worth of food and financial donations nationwide this year.

Last year, the campaign provided food banks with over 6.7 million meals, including just over 298,000 from Manitoba. FCC counts each pound of food collected as a meal and every \$1 donation as three meals.

"We're just lucky," Warnyca said. "We're in this unique position because we serve only agriculture, so you sort of connect the people who grow the food with the people who really need it the most, so we're trying to be really deliberate about doing that in whatever way is the most helpful."

FCC estimates that over 33 million meals have gone to food banks since it introduced the program in 2004.

Fifty-four organizations and businesses threw support behind the campaign last year, up one over 2015's 53. This year is on track to meet those levels, Warnyca said, although only 44 partners have signed on so far.

"Some schools will sign up before the school year ends and others wait because, you know, they might have a change in principals or teachers or whoever is getting involved, so it's not uncommon at all for them to be signing up for the next couple of weeks as they sort of get organized for the school year," she said.

Co-op stores around the province will tie in with Drive Away Hunger after their parent organization, Federated Co-op, once again joined FCC as a national partner.

Reg Clarke, Heritage Co-op food division manager, says their 2017 campaign will be similar to past years.

A fundraising barbecue was held at one Brandon location while 'hunger bags' have returned at Heritage Co-op food stores. The preloaded grocery bags can be bought for \$10 to \$50, with all contents going to Drive Away Hunger.

"We're also thinking that this year as well, we're trying to tie in to get our cross-promotion with the Wheat Kings," Clarke said.

The Western Hockey League team historically teams up with Heritage Co-op each year to collect food and financial donations during an early-season game in October.

In central Manitoba, meanwhile, 4-H clubs in Morden and Winkler will once again go door to door to collect food items.

In Steinbach, one of the campaign's stalwart supporting regions, schools are once again joining in force. The community typically holds a large family day and barbecue to drive up support, according to Warnyca.

BDO, Parrish & Heimbecker, The Meat Factory Limited, Windset Farms, Nutrigroup, Broadgrain Commodities Inc. and Saskatchewan's South West Terminal are also among this year's national partners while Little Morden Service, two law offices, Macdon Industries, Swan Valley Co-op, accounting firm GTP and WiBand Communications have joined at the provincial level in Manitoba.

"It's looking really good," Warnyca said. "Every year's a little bit different, but we've had great participation. The people in Manitoba are very generous and we've got terrific partners across the country, so we're really lucky that people just pull together and help every year."

Food Banks Canada estimates that 860,000 Canadians use their facilities each month, 36 per cent of whom are children. Of all food banks in Canada, about 600 are rural, the national organization said.

**"We're just lucky. We're in this unique position because we serve only agriculture, so you sort of connect the people who grow the food with the people who really need it the most."**

**CARLA WARNYCA**  
FCC manager of community investment

"FCC Drive Away Hunger has achieved so much for so many people since its inception," Katharine Schmidt, Food Banks Canada executive director, said in a news release launching the program this year. "This inspiring campaign brings together communities to raise food and funds that help thousands of Canadians who are struggling to get enough to eat. Food Banks Canada is grateful for FCC's continued support in addressing hunger and supporting the food bank network across Canada."

While the campaign is already underway, Warnyca says the hunt for partners and participating schools is still on. Links to join or contribute to the campaign are available from the FCC website.

Local FCC offices have thrown support behind school meal programs in the past, including breakfast programs in central Manitoba's Pembina Valley last year.

This year, that contribution has gone national. One hundred schools received \$1,000 each for a total \$100,000 donation to kick off Drive Away Hunger 2017. Local FCC offices chose schools to receive the funds.

"We've realized that the need is so great," Warnyca said. "Food banks do amazing things and there's also feeding programs that are doing great things to help out hungry people. We thought there was a real need in schools as well. Unfortunately, there isn't enough funding often to feed all the kids who can come hungry."

*astockford@farmmedia.com*



Heritage Co-op's Marketplace on Richmond drew the lunch crowd in Brandon for one of several FCC Drive Away Hunger events the company has on the schedule this month. PHOTO: ALEXIS STOCKFORD



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Auction Sales	0900	Personal	5950 - 5952
Auto & Transport	1050 - 1705	Real Estate Sales	6110 - 6140
Business Opportunities	2800	Recreational Vehicles	6161 - 6168
Contracting & Custom Work	3510 - 3560	Rentals & Accommodations	6210 - 6245
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• Advertisers using only a post office box number or street address must submit their name to this office before such an advertisement is accepted for this publication. Their name will be kept confidential and will not appear in any advertisement unless requested.

## ANNOUNCEMENTS 0200

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## ANTIQUE EQUIPMENT 0203

## AUCTION SALES 0900

## McSherry Auction Service Ltd

## CONSTRUCTION AUCTION

## R2G2 EXCAVATORS INC.

## Saturday Oct 14th, @ 11:00 AM

St. Laurent, MB

Jct Hwy 6 &amp; 415 East 1 1/2 Miles on 415

Contact (204) 861-2063 or (204) 739-3618

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## CONSTRUCTION AUCTION

## R2G2 EXCAVATORS INC.

**AUCTION SALES****AUCTION SALES****AUCTION SALES**

**FARM AUCTION FOR ESTATE** of Edgar & Norma Clark and Guest Consignors on Sat., October 14, 10:30 AM, Somerset, MB. Directions: From Somerset Tire Shop corner, go 1 mile west on Old #23, and 2 miles north. There will be signs up Auction day. There will be 3 tractors; 3 combines; trailers; augers; lots of tillage and seeding equipment; feed mill; oak roller; misc. farm implement; yard equipment; power tools; shop equipment; hand tools; Shoemaker's equipment and lots more. Full list and lots of pictures on our website. Terms are cash. Lunch will be available at Auction site. For inquiries please call Denis Clark, Executor, 204-782-4570. Sierens Auctions, 204-526-5047 or 204-744-2364. Someset, MB. [www.sierensauction.com](http://www.sierensauction.com) or [www.globalauctionguide.com](http://www.globalauctionguide.com)

Go public with an ad in the Manitoba Co-operator classifieds. Phone 1-800-667-7770.

**TELFORD BROWN ACREAGE, Equipment, and Misc. Auction, Ukrainetz Auctions, Saturday October 14, 2017, 10:00 AM.** Saltcoats, SK. Directions: from Yorkton, 13 miles east on Hwy 10 to Saltcoats grid, 3 miles south. Contact: Telford 306-782-3055. **House & Property:** 1974 house, 28'x40', 3 bdrm, fully finished basement, 2 car garage; Combination wood/oil furnace; New head on water softener, water source is 100' drilled well; Located on 20 acres - portion of NW 18-25-10 W2, property taxes current year \$1657.79. Excellent hip roof barn and two storage sheds. Owner has The Right of First Refusal. 10% down and remaining within 30 days. Horse equipment, 2 to 4 sets of harnesses and much more tack, shop, tools, antiques, and some household. Visit [www.ukrainetzauktion.com](http://www.ukrainetzauktion.com) for updated listing and pictures. PL#915851.

**ONLINE TIMED REAL ESTATE Auction**

for Kathy Peet & Marlin Shain, Oxbow, SK. Bidding closes 6:00 PM, Monday October 16th. To bid on this property go to [www.2sauctioneers.ca](http://www.2sauctioneers.ca). Open House: Sept. 17th & 24th 2:00-5:00 PM. Contact: Kathy Peet at 306-485-7751, Marlin Shain at 306-485-9750, or Brad Stenberg at 306-551-9411 for more details. All bids are subject to owner's acceptance.

2017 Taxes: Lot #1: \$1158.01; Lot #2: \$618.77; Lot #3: \$744.61. Lot #1: NW 18-03-01-W2 (159 ac.) House is on NW corner of this quarter (can be subdivided). Details: 6 bdrm - 3 up, 3 down, 2 full bathrooms, 1 half bath off mudroom; Air exchange system; Cold room & connected storage room; Natural gas furnace, water heater & dryer; Attached 2 car garage. Insulated & drywalled with extra plugs & lights. 2nd electrical panel box in garage; Central vac; Renos in October 2010; All new doors, vinyl triple pane windows, French doors, vinyl siding, shingles & eavestrough; All new flooring, paint, trim & baseboards, toilets, sink & faucet in main bath & oak stairs; New wall oven in 2013, all appliances included; Custom made oak cabinets in kitchen, bathrooms & basement bar; Mature fruit trees; 2 garden sheds, tack shed & 3 hitching posts; Tin covered pole shed & shop; Four fenced horse pastures around yard of various sizes. All the land is fenced; Water source is dugout. Currently no treatment system. Lot #2: SW 18-03-01-W2 Ext 1 & 2 split by Highway 18 (62 ac. N side & 79 ac. S side). Lot #3: SW 18-03-01-W2 (156 ac.). All quarters are seeded to grass, fenced and have dugouts. All quarters have pumpjacks w/Surface Rights only. **Terms:** 10% non-refundable option to purchase due on sale day. Balance due within 30 days.

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**UPCOMING AUCTION****FARM AUCTION FOR HENRY & KATHARINA REIMER**

SATURDAY OCTOBER 14 10 AM

LOCATION: FROM GRUNTHAL, MB, 3/4 MILES EAST ON HWY #205

**TRACTORS** White Diesel 2-65, Loader, 3pt \* 4366 4WD International Diesel \* International 506 Diesel w/ Saw Mandrel \* **EQUIPMENT** \* Squealer 3pt 6' Brush Mower \* Goossen 3pt Square Bale Chopper \* 8' Farm King 3pt Snow Blower \* MF 12' Double Disc \* 3pt 8' Cultivator \* 5 Harrow Sections \* Round Bale Fork \* Dirt Scraper \*

**YARD EQUIPMENT & VEHICLES** \* Cub Cadet LTX 1146 Riding Mower \* 716 Deutz Allis Garden Tractor w/ Tiller \* Husqvarna 455 Rancher Chain Saw \* 20' Dynamark Lawn Mower \* 4 Wheel Wagon \* Garden Tools \* 1997 GMC Pickup Ext Cab, 2wd, SLE, 5.7L \* **SHOP TOOLS** \* Rockwell

Wood Band Saw \* 16 spd HD Table Mound Drill Press \* 4 1/2" Metal Cutting Band Saw \* Makita Tools (hammer drill, circular saw, router) \* LKS 250 Stick Welder \* LKS Airline 60 gal Air Compressor \* Jenny Air Double Tank Air Compressor \* Small Anvil \* MAC ET-380 Volt Meter \* Rolling Tool Cabinet & Tools \* I-Beams \* Heavy Welding Steel & Angle Iron \* Mastercraft Battery Charger/Booster \* 20' Aluminum Ladders \* New Dry Wall Hoist \* **MISC & HOUSEHOLD** \* Antique Cook Stove \* Wood Stove \* Large Chest Freezer \* Fridge \* 2 Door Fridge \* Maytag Neptune Front Load Washer \* Kenmore Front Load Dryer \*

**AUCTION FOR VAN GORP FARM**

SATURDAY OCTOBER 21, 2017 @ 10:00 AM

LOCATION: 218 BRANDT ST., STEINBACH, MB

**TRACTORS & GRADER** 2007 John Deere 8530 MFWD, 3pt, 4540hrs \* 2000 John Deere 9400T \* John Deere 4960 MFWD \* John Deere 8850 4WD, PTO, 3pt, 400 HP, 7500 hrs \* Champion D-600 Grader, Detroit Diesel, 13450 hrs \* **SEEDING, SPRAYERS & TILLAGE EQUIPMENT** \* 2011 Salford 570 36' Vertical Disc \* 2007 New Holland ST440 24' Tandem Disc \* 2001 Summers Series 10 32' Diamond Disc \* Elmers 6400 36' S-Tine Cultivator \* 1996 John Deere 680 38' Chisel Plow Deep Tillage Cultivator \* Bourgault 8800 28' Field Cultivator \* 80' Tormaster Heavy Tine Harrows \* 2001 John Deere 1860 42' Air Drill w/ John Deere Air Cart \* Bourgault 2155 Tow Behind Air Tank \* 2004 Case IH SPX3200 90' Clearance Sprayer w/ EZ-Steer Guidance System \* **VEHICLES & UTV** \* 2015 Polaris Ranger 900 Side by Side \* 2008 Dodge Ram 2500 4X4, Quad Cab, Cummins Diesel, 200K \* 2002 Ford F-350 4X4 Lariat Crew Cab, 7.3L Diesel \* 2007 Ford F350 4X4 Crew Cab, Diesel, 342K \* 2005 Ford F150 4X4, 5.4L, 285K \* **HEAVY TRUCKS, TRAILERS & SEA CANS** \* 2005 Peterbilt 379 T/A, unibody ultracab, Safetied \* 1998 MACK CH613 T/A, Mack E7, 12L Diesel \* 1996 Western Star 4900 Grain Truck w/ 20ft B&H, 10.3L L6, 368K \* 2007 Lode-King Prestige Super B Grain Trailers, Tri-Axle, Hopper Bottom \* 2001 Advance Grain Trailer \* 1978 Ford F-750 Grain Truck w/ 16ft B&H \* 1988 International Easy Rider Floater w/ Fertilizer Tank \* Qty Dry Van Storage Trailers \* 40' Sea Can Shipping Containers \* 20' Sea Can Shipping Containers \* **GRAIN HANDLING & EQUIPMENT**

\* 2012 Eagle Ditcher 4A Wheel Ditcher \* 2011 Mandako LR 5/8-42 50' Land Roller \* 2008 REM 2700 Grain Vac \* 2010 Westfield TFX 80-36 Grain Auger \* 2015 Westfield TFX 80-36 8inX36' Grain Auger \* Buhler Farm King 13inX70ft Grain Auger \* Elias Reliabilite 10inX43' Grain Conveyor \* (2) 3pt PTO Heavy Duty Wood Chipper (fit 40-70HP) unused \* (3) 80" pt PTO Heavy Duty Rotary Tillers (unused) \* **SKID STEER ATTACHMENTS & CONSTRUCTION** \* New Grapples, Forks, Snow Buckets \* 68" Skid Steer Snowblower (unused) \* Erskine 62" Skid Steer Snowblower \* King Force Heavy Duty Tamping Rammer \* Approx 30 Heavy Duty Plate Compactors (unused) \* Reversible Plate Compactors \* New Skid Steer Tires \* **AUTOMOTIVE EQUIPMENT & TOOLS** \* (4) 8800lb Heavy Duty Two Post Auto Lift \* Heavy Duty Tire Changer & Wheel Balancer Machines \* 80" Heavy Duty Multi Drawer Tool Cabinet \* 20 Drawer Heavy Duty Workbenches w/ Peg Board & Stainless Drawers \* Qty Warehouse Steel Shelving Racks (new) \* 50 Ton Hydraulic Shop Press \* 2000lb Swivel Pickup Crane \* Air/Hydraulic Jacks \* 1" Dr Air Impact Wrench Kits \* (2) 3/8"X50' Air Hose Reel \* 15,000W Gas Generator w/ Honda GX690 V-Twin, Elec Start (unused) \* Gas Powered Air Compressors \* **STORAGE BUILDINGS & GREENHOUSES** \* (2) 20X30X12 Peak Storage Buildings \* 30X65X15 Peak Storage Buildings \* 10ft Commercial Instant Pop Up Tents \* (4) 8ftX10ft Twin Wall Greenhouses \* \* **PLUS MUCH MORE!!**

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1 of 100+ Antique Tractors  
Dickinson, ND – October 7



2013 New Holland T7.200  
Eastend, SK – October 11



1994 Case IH 9270  
Baldwinton, SK – October 12



1993 Kubota M7950  
Asquith, SK – October 14



4 Undeveloped Lake Front Lots\*  
Lake Athapapuskow, MB  
Saskatoon Auction Site – October 17



3– 2013 Case IH 500  
Saskatoon, SK – October 17



2010 Case IH 9120  
Luseland, SK – October 18



1983 New Holland TR95  
Shell Lake, SK – October 19



2013 Case IH 7230  
Crystal City, MB – October 20



2013 Kubota M135GX & 2014 Kubota 126GX  
Saskatoon, SK – October 20



2006 New Holland TN85DA  
Maple Creek, SK – October 21



2013 & 2012 John Deere S690  
North Battleford, SK – October 26



10 Parcels of Real Estate  
1428.24± Title Acres of Farmland\*  
Perdue, SK – October 30



2011 New Holland CR9060  
Pike Lake, SK – November 1



2013 New Holland T9.670  
Rouleau, SK – November 2



1 of 2– 2012 John Deere S670  
Saskatoon, SK – November 28



**Steven Perrin**  
Territory Manager  
Agricultural Division  
Western Manitoba  
204.573.0993  
[sperrin@ritchiebros.com](mailto:sperrin@ritchiebros.com)



**Brad Goossen**  
Territory Manager  
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1050

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1100

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1200

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**TRAILERS****GRAIN TRAILERS**

1505

**ALL ALUMINUM GRAIN TRAILERS:** Tandems, tribrids and Super B Timpte grain trailers. Call Maxim Truck & Trailer, 1-888-986-2946 or [www.Maximinc.Com](http://www.Maximinc.Com)

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**NEW WILSON and CASTLETON** tribrids and Super B's. 2014 Wilson Super B; 6 other used Super B's; 2005 Lode-King Super B; 2001 Castleton tribrid 2 hopper; 1996 Castleton tandem. Ron Brown Imp. call 306-493-9393, Delisle, SK, DL #905231. [www.rbisk.ca](http://www.rbisk.ca)

**2006 LODE KING PRESTIGE** Super B grain trailer, air ride, 24.5 tires, SK safetied and ready to go, \$42,000. Can-Am Truck Export Ltd., 1-800-938-3323, Delisle, SK.

**2005 LODE KING TRIDEM** grain trailers, 48' air ride, 3 hoppers, SK safetied, \$40,000. Can-Am Truck Export Ltd., 1-800-938-3323, Delisle, SK.

**2010 LODE KING SUPER B**, alum. wheels, lift axles, auto greaser, \$57,000; 2006 Lode King Super B, alum, \$25,000. Yellowhead Sales, 306-783-2899, Yorkton, SK.

**2013 TRAVALONG** 6x28 Stock Trailer, triple axle, aluminum, new rubber. 306-542-7007, Veregin, SK.

**LIVESTOCK TRAILERS**

1510

Syd

**1990 BOBCO CATTLE TRAILER**, 24'x8', two new 7000 lb. axles w/electric brakes, new 10 ply tires, floor recently redone, rubber mats, divider gates, \$11,000. 204-768-9524, leave msg., Ashern, MB.

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1511

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**2009 TRAILTECH FLATDECK**, 2-1000 lb. axles, exc. cond., \$10,500. 306-421-4474, Oxbow, SK. [barbjh@sasktel.net](mailto:barbjh@sasktel.net)

**COMPONENTS FOR TRAILERS.** Shipping daily across the prairies. Free freight. See "The Book 2013" page 195. DL Parts For Trailers, 1-877-529-2239, [www.dlparts.ca](http://www.dlparts.ca)

**2009 MIDLAND TRAILER** FLATDECK, 2-1000 lb. axles, exc. cond., \$10,500. 306-421-4474, Oxbow, SK. [barbjh@sasktel.net](mailto:barbjh@sasktel.net)

**2014 PROSTAR** FLATDECK, 2-1000 lb. axles, exc. cond., \$10,500. 306-421-4474, Oxbow, SK. [barbjh@sasktel.net](mailto:barbjh@sasktel.net)

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**MULCHING- TREES, BRUSH, Stumps.** Call today 306-933-2950. Visit us at: www.maverickconstruction.ca

**REULATION DUGOUTS:** 120x60x14', \$2000; 160x60x14', \$2950; 180x60x14', \$3450; 200x60x14', \$3950; Larger sizes available. Travel incl. in Sask. Gov't grants available. 306-222-8054, Saskatoon, SK.

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**ROME OFF-SET DISC,** TAW24 28 disc. Blades are very good, 1/2" blades front, 3/8" rears. 660-727-3752, Kahoka, MO.

**2006 JD 850J LGP dozer;** 2006 JD 750J LGP dozer; 2005 Volvo A30D 30 ton articulated truck; 2006 Komatsu WA-320-5 wheel loader, QA bucket, forks, \$55,500; 1989 D6H Cat LGP crawler dozer, direct drive, 90% UC, \$39,500; Robert Harris, 204-642-9959, 204-470-5493, Gimli, MB. Pics/info: at robertharrisequipment.com

**EXCAVATOR BUCKETS,** various shapes and sizes for different excavators. Call 204-871-0925, MacGregor, MB.



**2013 CASE CX 210 B Excavator,** c/w 42" bucket, hydraulic thumb, loaded, only 1400 hrs, mint condition, \$168,000. 204-743-2324, Cypress River, MB.



**TEREX 8240 B Crawler Dozer,** V8 871 Detroit eng., powershift, 26" pads, straight tilt dozer, full bush canopy, 4957 hours, excellent working condition, c/w warranty, S/N #56729, \$69,000, can deliver. 204-743-2324, Cypress River, MB.

**1980 D8K CRAWLER,** dirt tilt blade, bush sweeps, good undercarriage, \$38,000. 204-525-4521, Mintoona, MB. Website: www.waltersequipment.com

**SKIDSTEER LOADERS:** 2008 Case 440, Series 3, approx. 2400 hrs., \$24,500; 2007 Case 420, approx. 1600 hrs., \$20,500. 204-794-5979, Springfield, MB.

**EVERYTHING MUST GO!!** Cat D8H 46A series, never had a dozer, low hrs.; Cat D8H 46A high HP hyd. scraper ready; (4) Cat D2 crawlers; (3) Cat D4-7 crawler; IH TD6 w/dozer; IH TD9 92' series with loader; (2) AC HD6 crawlers; (2) Cat 955K crawler loaders; Cat D7 3T hyd. dozer and rake; (2) MF crawler loaders; Fiat-Allis 605B loader; Volvo L-320 loader; Hough 30 loader, gas; Clark 35-c loader; Cat 988 loader, new motor; Cat 966C w/high lift clam; Kawasaki KSS 80 loader; JD 190E excavator; Case 1085C excavator; Case 1845C skidsteer; Pettibone telescopic forklift; 10 work ready graders, JD, Champion, Galion; 10 cranes and draglines; 12 forklifts from 2 to 9 tonne; 3 Ditch Witch trenchers; Cat 70 and 463 pull scrapers; (7) air compressors from 185 to 750 CFM; New and used culverts, many types and sizes; IH 574 tractor loader, rear blade, 3 PTH, dsl.; Over 45 Gensets from 3 to 193 Kw; Over 20,000' of new and used cable; 1000 new and used track rollers; 400 new and used hyd. cylinders; 500 new and used buckets and blades; 50 sets of new and used pallet forks; New and used tires, mostly construction sizes; Toledo Model 840 scale, 50,000 lbs, up to 135' long; Superior scale, 60' long; 2 hanging scales, 15 tonne; Link Belt LS98 dragline; 7 draglines and 4 WU cranes; Sawmill 50', complete; Packers SP and PT; Over 25 graders being parted out; Blaw-Knox SP110 paver; Blaw-Knox PF180H paver; Barber Green asphalt track paver; (2) Bomag MPH 100 pulverizers; (2) Cat PR275 asphalt grinders; Pioneer crusher Model 4022; Conveyors and hoppers; 1986 GMC fuel truck, tandem; (2) 1986 Ford LT 9000 trucks; 1986 GMC tandem gravel truck; 1995 Ford flatdeck truck, gas; 1979 IH CargoStar 1950B w/15' van, DT 466 eng., only 34,000 kms; (2) Mack cabovers w/15' and 19' boxes, full tandem, dsl.; IH S1900 truck with snowplow, B&H, dsl., S/A; Ford 8000 dsl. tandem w/box; IH deck truck, crewcab, DT466 dsl., full tandem 8.5x16.5' deck, large Fassi crane, rear hyd. winch; Ford 8000 tandem with near new 140 Hiab crane; (2) 100' ladder trucks; (10) fire engines; 2003 IH 4300 truck, S/A, deck, DT466 engine; 1977 Lincoln Continental Mark V, white, only 35,186 kms; 1000' of chain link fencing, 8'; (4) concrete saws; SP Tampa Packer, Detroit dsl., 8'W; SP Bros. padfoot packer; (7) Wobbly packers; SP and PT, 9 and 11 wheel; Asphalt rollers, SP; Sheepfoot PT packers; 3 new skidsteer plate compactors; (2) Bobcat 811 backhoe attachments; Large tree spade; Cat skid-steer stump grinders; IH 3964 feller buncher; Case 125B delimeter; 8' 3 PTH snowblower; 4 large trucks with snowblowers; Bombardier w/broom; 2 Holden 4x4 tractors w/blowers; 2 trackless 4x4 Cummins diesel with broom and blower; Hundreds of misc. attachments. Hundreds of items not listed. New parts. Big discounts. 2 yards, over 50 acres. Central Canada's largest wreckers of used construction equipment. Cambrian Equipment Sales Ltd., Winnipeg, MB. 204-667-2867 or fax 204-667-2932.

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**CAT D8H DOZER.** Online Only Unreserved Auction Oct. 11-17th. Info. call 306-865-7660. www.championassets.ca

**2003 JD 310 SG BACKHOE.** Online Only Unreserved Auction Oct. 11 - 17. Info. call 306-865-7660. www.championassets.ca

**1998 CAT D6R** twin tilt angle dozer and ripper, good undercarriage. Phone 306-278-7740, Prairie River, SK.

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**ROAD GRADERS CONVERTED** to pull behind large 4 WD tractors, 14' and 16' blade widths avail. 306-682-3367, Ent. Humboldt, SK. www.cwenterprises.ca

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**2010 JD 87GP GRADER,** 6650 hrs., in very good condition. Phone 306-372-4502, or 306-372-7336, Luseland, SK.

**1980 D6D DOZER,** wide pad, winch; 1993 D37 P6 6-way dozer, cab. 306-304-1959. Goodsoil, SK.

**YELLOW ROSE CONSTRUCTION** has a Gen-set tower van 45', 3406 Cat eng., 400 KW genset, 25 electrical cord outlets and switches in the tower, from 5-150 HP and 1100 gal. belly fuel tank, exc. cond., ready to go! 2008 Ingersoll Rand L120 generator light plant with 2 extra 30 amp. plugs and 75' of extra electrical cord, very few hrs.; Shop van w/welder, tools, drill press, vice, working benches and lots of shelving. Call Bill McGinnis, 306-567-7619, Craik, SK.

**1986 GRADALL G660C** wheeled excavator, 7605 mi./4404 excavator hrs, GM 8.2L ft./4.7L rear engines, air brakes \$14,900. 1-800-667-4515, www.combineworld.com

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**2010 JD 568 round baler**, \$30,000. Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

**2011 JD 568 round baler**, surface wrap, 17,700 bales, \$35,400. Nelson Motors & Equipment, www.nelsonmotors.com 1-888-508-4406.

**2014 JD 569 round baler**, surface wrap, 6974 bc, \$54,000. Nelson Motors & Equipment, www.nelsonmotors.com 1-888-508-4406.

**2003 JD 567 round baler**, \$37,200. Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

**2008 JD 568 round baler**, \$29,200. Nelson Motors & Equipment, 1-888-508-4406, www.nelsonmotors.com

**MASSEY 124 square baler**; NH square baler; NH chain round baler; 1033 bale wagon; Several pull bale wagons. Langham, SK, call 306-283-4747 or 306-291-9395.

**2002 JOHN DEERE 567**, Stock #180684 \$16,250. 306-542-2823, Kamsack, SK, www.pattisonag.com

**SWATHERS****4119**

7000 25' WESTWARD SP swather w/Cummins dsl. motor, MacDon PU reel, 2770 hrs., \$8900. 204-638-8443, Dauphin, MB.

**YOUR CHOICE** \$46,000: 2007 JD 4895, 30' PU reel; 2010 Case 1203, 36' PU reel. Both have new knives and guards. Call 306-746-7307, Semans, SK.

1998 35' WESTWARD 9300, 960 header, PU reel, turbo, big tires, \$29,500; 1995 30' MacDon Premier 2900, PU reel, 960 MacDon header, 21.5-16.1 tires, \$19,500; 1995 Case/IH 8820, 30' header, PU reel, 21.5-16.1 tires, \$17,500. All swathers in exc. cond. 306-861-4592, Fillmore, SK.

**2015 JD W150** w/440D-SPI U, Stock #168086, \$137,500. Call 204-773-2149, Russell, MB. DaveBray@pattisonag.com www.pattisonag.com

**2016 JD W150** w/435D-SPI U, Stock #171071, \$152,500. Call 204-773-2149, Russell, MB. DaveBray@pattisonag.com www.pattisonag.com

**2016 JD W150** w/435D-SPI U, Stock #171075, \$152,500. Call 204-773-2149, Russell, MB. DaveBray@pattisonag.com www.pattisonag.com

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**2016 JD D450 swather** w/630D-used U, Stock #193427, \$87,500. 306-463-2683, Kindersley, SK, www.pattisonag.com

**2011 JD D450 swather** w/630D-used U, Stock #193430, \$87,500. 306-463-2683, Kindersley, SK, www.pattisonag.com

**2015 JD W150** with 40D-SPI, Stock #190202, \$145,000. Call 306-682-2574, Humboldt, SK, www.pattisonag.com

**2015 JD W150** with 40D-SPI, Stock #190201, \$145,000. Call 306-682-2574, Humboldt, SK, www.pattisonag.com

**1991 VERSATILE 4750** swather, Ford dsl, 22' very good condition. \$10,000. Call 403-556-2609, Olds, AB.

**JH VARIOUS****4151**

2000 NEW HOLLAND HW320 windrower with 2300 hay header, very good condition, well maintained, good engine, 3500 hrs., rebuilt pump, new tires, needs 1 power wheel hub rebuilt. HW320, S/N #692225, hay header #631601, \$25,000 OBO. Call 780-636-3676, 780-645-0150, Spedden, AB. Email: wmulkay@mcsnet.ca

**RICHARDTON DUMP WAGONS**, #1200, #700, #750; JD 3970 harvester; Balers: JD 510, \$1500; JD 535, \$4500; Vermeer R23 hyd. rake, \$9000; NH 216, \$5000; Hay conditioners, \$800 and up; Gehl haybine, 14'; \$2500; JD 15' batwing mower, \$6000; JD 20', \$10,000; JD 5', \$1000; JD 7', \$2000. 1-866-938-8537, Portage, MB.

**COMBINES****CASE/IH****4160**

2005 CIH AFX 8010, 2378 eng./1855 sep. hrs., loaded, \$40K spent last season, mint cond., shedded, \$98,500. 204-751-0046.

**BALING EQUIPMENT****4139**

**2015 JD 630R** straight cut header, PU reel, hyd fore/aft, full fingered auger, very nice, \$19,000. 306-743-7622, Langenburg, SK.

**CASE/IR****4160**

**1991 CASE 1680**, Cummins engine, specialty rotor, hopper topper, new rear tires, all updates, very good condition, c/w 1015 PU and 1020 30' Flex Header, \$19,500 OBO. 204-746-5671, Arnaud, MB.

**2013 CASE 8230**, duals, ext. auger, fine cut chopper, 640 sep. hrs, \$320,000. Take trade or financing. 306-563-8765, Canora

**1994 CIH 1688** with specialty rotor, hopper topper, internal chopper and 1015 PU, \$15,000. Call 306-483-8323, Carnduff, SK.

**2007 CASE/IR 7010**, dual wheels, w/2016 header, \$170,000. Call A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

**2000 CASE/IR 2388** w/1015 header, \$55,000; 2004 2388 w/2015 PU header, \$115,000; 2006 2388 w/2015 PU header, \$130,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

**2007 CASE/IR 2188**, 3000 sep. hrs, auto HHC, chopper plus ready cut chopper, hopper extension, very good tires, rock trap, long auger, 2015 Swathmaster PU header, excellent, condition, \$29,500. 306-861-4592, Fillmore, SK.

**2012 JOHN DEERE S680** Combine, 1158 hrs., #HN3694A, \$280,000. Humboldt, SK, 1-306-682-9920, www.farmworld.ca

**1999 CTH 2388** Combine, \*Clearance!, #N22892C, \$45,000. Kinistino, SK, 1-306-864-3667, www.farmworld.ca

**2013 JD S680** Combine, \*Clearance!, #N22725C, \$30,000. Prince Albert, SK, 1-306-922-2525, www.farmworld.ca

**2014 JD S680** Combine, \*Clearance!, #N23029A, \$349,000. Kinistino, SK, 1-306-864-3667, www.farmworld.ca

**2013 JD S690** Combine, \*Clearance!, #PN3488A, \$359,000. Prince Albert, SK, 1-306-922-2525, www.farmworld.ca

**1995 CIH 2188** Combine, \*Clearance!, #N22892D, \$39,000. Kinistino, SK, 1-306-864-3667, www.farmworld.ca

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**2013 JD S690** Combine, \*Clearance!, #PN3488A, \$359,000. Prince Albert, SK, 1-306-922-2525, www.farmworld.ca

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**SHAVINGS:** BULK PRICING and delivery available. Vermette Wood Preservers, Spruce Home, SK.. 1-800-667-0094. Email: info@vwpltd.com View www.vwpltd.com



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**BISON WANTED** - Canadian Prairie Bison is looking to contract grain finished bison, as well as calves and yearlings for growing markets. Contact Roger Provencher at 306-468-2316, roger@cdnbison.com

**QUILL CREEK BISON** is looking for finished, and all other types of bison. COD, paying market prices. "Producers working with Producers." Delivery points in SK. and MB. Call 306-231-9110, Quill Lake, SK.

**HARMONY NATURAL BISON** buying feeder, finished and cull bison. Call or text 306-736-3454, SE Sask.

**WANTED ALL CLASSES** of bison: calves, yearlings, cows, bulls. Willing to purchase any amount. dreyelts1@rap.midco.net Call 605-391-4646.

**NORTHFORK- INDUSTRY LEADER** for over 15 years, is looking for finished Bison, grain or grass fed. "If you have them, we want them." Make your final call with Northfork for pricing! Guaranteed prompt payment! 514-643-4447, Winnipeg, MB.

**LOOKING FOR FINISHED** bison, cull cows and herd bulls. Phone 701-318-1474, New Rockford, ND.

**WANT TO PURCHASE** cull bison bulls and cows, \$5/lb. HHW. Finished beef steers and heifers for slaughter. We are also buying compromised cattle that can't make a long trip. Oak Ridge Meats, McCreary, 204-835-2365, 204-476-0147.

**NILSSON BROS INC.** buying finished bison on the rail, also cull cows at Lacombe, AB. For fall delivery and beyond. Smaller groups welcome. Fair, competitive and assured payment. Contact Richard Bintner 306-873-3184.

**HAGMAN'S TRUCKING** for all your bison transport. Local and long distance. Humane and ease of loading/unloading. Can haul up to 50,000 lbs. to the USA. Call 306-773-5909, Swift Current, SK.

Call our toll-free number to take advantage of our Prepayment Bonus. Prepay for 3 weeks and we'll run your ad 2 more weeks for free. That's 5 weeks for the price of 3. Call 1-800-667-7770 today!

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GRUNTHAL, MB.  
AGENT FOR T.E.A.M. MARKETING

**REGULAR CATTLE SALES**  
TUESDAY at 9 am  
\*\*October 17th, 24th, 31st \*\*

**Saturday Oct. 14th 10:00am**  
Horse & Tack Sale

**Monday Oct. 16th & 30th 12:00pm**  
Sheep and Goat with Small Animals & Holstein Calves Hereford Sale following the small animal sale

For on farm appraisal of livestock or for marketing information please call Brad Kehler (Manager) Cell 204-346-2440 Auction Mart (204) 434-6519 MB. Livestock Dealer #1436

[WWW.GRUNTHALLIVESTOCK.COM](#)

## AUCTIONS SALES 5005

### WINNIPEG LIVESTOCK SALES LTD.

#### RANCHERS CHOICE CALF SALE

Monday October 16th @ 10:00 am

(No calves, No yearlings, No holsteins)

Some of the best calves from area producers Consignors from 10 - 200. Bring in your to cut of your calves. Extra buyers and orders on the sale. Takes volume pressure off our Friday sale. More eastern trucks available at the beginning of the week. Last year sold 1,100 calves in under 5 hours.

#### Where Buyers & Sellers Meet

To Consign or for more information or for farm appraisals call: 204-694-8328 [www.winnipeglivestocksales.com](#) Licence #1122

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FOLLOW ON:

## BLACK ANGUS 5010

25 PB BLACK Angus bred heifers; 15 Reg. 1/2 and 3/4 Simm./Angus bred heifers. Brent at 204-773-6392, 204-773-2356, Russell, MB. [stewartcows@wificountry.ca](#)

PUREBRED AI BLACK Angus bull, 2.5 years old, easy calving bull, \$4500. Phone evenings, 306-865-4168 or 204-734-2623 Hudson Bay, SK.

SELLING: BLACK ANGUS BULLS. Wayside Angus, Henry and Bernie Jungwirth, 306-256-3607, Cudworth, SK.

BLACK ANGUS BULLS, two year olds, semen tested, guaranteed breeders. Delivery available. 306-287-3900, 306-287-8006, Englefeld, SK. [www.skinnerfarms.ca](#)

PUREBRED BLACK ANGUS long yearling bulls, replacement heifers, AI service. Meadow Ridge Enterprises, 306-373-9140 or 306-270-6628, Saskatoon, SK.

RED ANGUS 5015

RED ANGUS BULLS, two year olds, semen tested, guaranteed breeders. Delivery available. 306-287-3900, 306-287-8006, Englefeld, SK. [www.skinnerfarms.ca](#)

## CHAROLAIIS 5055

CATTLEMAN! JUST IN TIME for your fall breeding needs. We have an exc. selection of long yearling bulls. Both red and white, all polled, some suitable for heifers. Call Defto Stock Farm, Cypress River, MB., 204-743-2109.

COMING 2 YR. old polled PB Charolais bulls, come red factor. Call Kings Poll Charolais, 306-435-7116, Rocanville, SK.

Farming is enough of a gamble, advertise in the Manitoba Co-operator classified section. It's a sure thing. 1-800-667-7770.

## HEREFORD 5090

REGISTERED PUREBRED HEREFORD cows, polled, quiet, top bloodlines, yearling heifers also. 204-320-5251, Steinbach, MB.

"TAKE THE NEXT STEP" Sale, presented by C&T Cattle Co., Phantom Creek Livestock, Twin View Polled Herefords, McCoy Cattle Co., and KLR Ranch, Saturday Oct. 21, 5:00 PM. Right Cross Ranch Sale Barn, Kisby, SK. Selling 45 powerful bred heifers, fancy heifer calves and select bred females. For catalogues or more information contact Chris 306-455-2605; Doug 306-773-7136; Ernie 204-365-7426; Chad 306-436-2086; Randy 306-299-4511 or T Bar C Cattle Co. Ltd. at 306-220-5006. View catalogue online: [www.BuyAgro.com](#) Watch & bid online: [www.dvauction.com](#) PL #116061.

**HEREFORD HARVEST** Production Sale, October 20th, 2:00 PM, Lone Pine Cattle Services, Vibank, SK. Offering an outstanding selection of show heifer calves, bred females, herd sire prospects and embryos. For a catalogue or more info contact Rob O'Connor 306-550-4890 or T Bar C Cattle Co. Ltd. at 306-220-5006. View the catalogue online at: [www.BuyAgro.com](#) Watch and bid online at: [www.dvauction.com](#) PL #116061.

ANL POLLED HEREFORDS and Guests Production Sale, Saturday, October 21, 1:00 PM, Steelman, SK. Guest consignors Glenlees Farms, Brooks Farms and Blairs Ag Cattle Co. Offering an exciting group of 60 bred females, heifer calves and cow/calf pairs. For a catalogue or more information contact Karl Lischka at 306-487-2670 or T Bar C Cattle Co. Ltd. at 306-220-5006. View the catalogue online at: [www.BuyAgro.com](#) Watch and bid online at: [www.dvauction.com](#) PL #116061.

PLAN TO ATTEND BLAIR-ATHOL Haroldson's & Friends Sale, Sunday, October 22nd, 1:00 PM at the Blair Athol farm, 4 miles west, 3 miles north of Arcola, SK. Selling 70 Polled Herefords, featuring bred females, cow/calf pairs and embryos. For a catalogue or more information contact Duncan Lees at 306-455-2619; Jeff Lees at 306-577-1375; Chad Wilson at 306-577-1256; Wally Mitchell at 204-534-8204; Ken Wray at 204-686-2289 or T Bar C Cattle Co. Ltd. at 306-220-5006. View the catalogue online: [www.BuyAgro.com](#) Watch & bid online: [www.dvauction.com](#) PL #116061.

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For on farm appraisal of livestock or for marketing information please call Brad Kehler (Manager) Cell 204-346-2440 Auction Mart (204) 434-6519 MB. Livestock Dealer #1436

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## HEREFORD 5090

**SQUARE D PRODUCTION** Sale, on offer: 40 bred Hereford females, 7 herd bull prospects, 2 cow/calf pairs, 12 heifer calves. Monday, October 23, 2017, 1:00 PM at the Square D sale site in Langbank, SK. Jim Duke 306-538-4556, 306-736-7921, square.d@sasktel.net To view the catalogue online: [square-dpolledherefords.com](#) Please call Harvey Duke at 306-536-4490, wacanacattle.com

## HIGHLAND 5100

BREED HOLSTEIN HEIFER, and some jerseys for sale. Call 519-323-3074, Heifer Holstein Inc., Holstein, Ont.

FRESH AND SPRINGING heifers for sale. Cows and quota needed. We buy all classes of slaughter cattle-beef and dairy. R&F Livestock Inc. Bryce Fisher, Warman, SK. Phone 306-239-2298, cell 306-221-2620.

## SHORTHORN 5200

HORSESHOE CREEK FARMS Herd Reduction Sale, Wednesday, October 18th, 2017 at Johnstone Auction Mart, Moose Jaw, SK. Offering 63 lots including: Herd sires; Bred cows and heifers; Open heifers; Embryo and semen packages. An additional 10 lots of Blue Roan bred Shorthorn cross females will be offered at the conclusion of the sale for Loud 'n Proud Cattle Co., Minto, SK. The sale will be broadcast live at: [www.dvauction.com](#) For more info contact Grant Alexander at 306-861-5504. Or e-mail: [horsehoeck@sasktel.net](#) Sale catalog can be viewed on-line at: [www.horsehoeckfarms.com](#)

## SIMMENTAL 5205

PIZZIE SIMMENTAL Private Sale of complete herd. PB Simm. cows. 80 cows plus calves; Red, Black and Fleckvieh. Calvin or Donna 204-847-2055, Fox Warren, MB.

SIMMENTAL BLACK ANGUS cross 150 cow/calf pairs bred Black Angus. Phone Brandon at 204-402-0780, Brandon, MB.

## CATTLE VARIOUS 5240

BRED HEIFERS: 125 Simm./Angus heifers bred to Red Angus bulls for Mar. 15, \$2000. Please call 306-457-7400, Stoughton, SK. [dcgoudy@sasktel.net](#)

HERD DISPERSAL: 70 Black Angus cross pairs and 70 mixed pairs. Full herd program. Reduced! \$2600 per pair firm. Call 306-335-7875, Lemberg, SK.

FOR SALE: 23 Red Angus cross Simmental cross cows, bred Charolais. 7 & 8 years old. Calving Mar. 1 - Apr. 22, \$1500/ea.; 4 Charolais cross heifers bred Red Angus, calving Feb. 22 - Apr. 1, \$2000/ea. Call Lloyd Elder, 306-267-2387, Coronach, SK.

25 BLACK COWS bred White Shorthorn, with April blue roan calves at side, \$3000/pair. 306-831-8977, Fiske, SK.

## CATTLE WANTED 5245

WANTED: RED OR BLACK Angus cross younger cows, lease to own. References available. 306-542-7007, Veregin, SK.

LOTS OF FEED, good facilities, will back-ground or finish cattle, can winter cows. Call 306-432-4803, Lipton, SK.

WANTED: CULL COWS and bulls. For bookings call Kelly at Drake Meat Processors, 306-363-2117 ext. 111, Drake, SK.

## HORSES

## AUCTION SALES 5305

CANDIAC AUCTION MART Horse Sale Saturday, October 7th. Tack sells at 10:30 AM. Horses sell at 1:30 PM. Receiving times are Friday from 4:00-8:00 PM and Saturday from 8:30-1:00 PM. For more information contact Janet 306-539-0165 or Kevin 306-539-4090, Candiac, SK.

## DONKEYS 5335

QUALITY REG. MAMMOTH DONKEYS for sale. View: [www.bigearsdonkeyranch.ca](#) or 204-535-2141, 204-825-0113, Baldur, MB.

## HORSES VARIOUS 5460

DISPERSAL: 40 HORSES; Brown and white team, broke to drive and ride; Chestnut gelding, QH Buckskin mare, Reg. sorrel mare. All 3 broke to ride; Reg. QH and Paint mares, colts, yearlings 2 and 3 year olds. Call 306-435-3634, Moosomin, SK.

4 YEARLING FILLIES: 1 black, Friesian & Haflinger cross, 3 Fjord & Haflinger cross, \$900 each. 306-682-2899, Humboldt, SK.

## HARNESS/VEHICLES 5470</h2

**SASKATCHEWAN**

6133

**FARMLAND FOR SALE:** RM of Mount Hope, 2097 acres w/2 yardsites; RM of Elcapo, 945 acres w/yardsite; RM of Last Mountain Valley, 641 acres; RM of Lipton, 520 acres. Contact Adam Hungle, Century21 Dome, 306-531-8854. View all MLS® land listings at: [www.saskfarmland.ca](http://www.saskfarmland.ca)

**RM FOAM LAKE #276:** NE-18-29-11-W2, 160 acres (145 cult.), along Hwy. #310. Mostly oats and barley grown on it. Summerfallow- 2017. Info. call 306-272-4704.

**RM OF LIVINGSTON,** 5 quarters of productive land in one block with beautiful yard site including 4 bdrm. home, 2 car garage, heated shop, machine shed and 117,000 bu. grain storage, gravel pit is included. November 1, 2017 possession, private sale. Call 306-595-4877, near Norquay, SK.

**RM OF 308,** 160 acres, (130 cult.) 1983 3 bdrm. bungalow, new furnace, windows, siding, interior all updated, 34x36' heated shop, barn, plus numerous outbuildings. \$399,000 OBO. 306-554-2901 Wynyard SK

**FOR SALE OR RENT BY TENDER:** 1600 cult. ac/200 ac. pasture in RM of Lawtonia No. 135: NW 10 15 08 W3, SW 10 15 08 W3, SE 09 15 08 W3, NW 02 15 08 W3, SW 02 15 08 W3, SE 02 15 08 W3, SE 01 15 08 W3, SW 01 15 08 W3, NE 25 14 08 W3, SW 36 14 08 W3, NW 36 14 08 W3, NE 33 14 08 W3. Purchase or rental tenders invited on the above land parcels (preference given to tenders involving all lands). Tenders close at 5:00 PM, October 30, 2017. Sales to close by January 31, 2018. Any accepted purchase tender(s) to provide 7.5% deposit to vendor legal counsel in trust upon acceptance. Offers subject to financing will not be considered. Successful tender(s) to complete definitive purchase/sale agreement and/or rental agreement with vendor/landlord. Highest or any tender not necessarily accepted. Home yard includes steel grain storage: 30,000 bu. hopper (12,000 w/air), 7500 bu. flat bottom, and 40'x100' steel shed. Rent tenders to specify \$/acre cash rent. Rental agreement to be finalized with chosen tender(s). All acreages approximate, bidders must rely on their own research and inspection. For more info, contact Chris Selness at 306-539-1972. Tenders to be submitted to: Land Tender, PO Box 242, Pilot Butte, SK. S0G 3Z0.

**RM LEASK #464,** SE-5-46-7-W3, 136 cult. acres with beautiful developed yard. 1400 sq. ft. bungalow, 3 bdrm., 2 baths, finished basement, AC, dbl. attached garage, NG, good water well, 36x42' heated workshop, 44x76' steel quonset, school access K-12. Approved for subdivision. Located 18 kms North of Blaine Lake on Hwy 12 & 1 km East. Call 306-226-4218 or 306-497-7471.

**BEAUTIFUL 10 QUARTER RANCH** nestled in rolling hills with private lake located between Debden & Shell Lake, SK. Ranch includes 1550 sq.ft. bungalow (3 bed, 2 bath), 28x30 2-car garage, 30x48 large red hip roof barn, 32x75 shop, 16x24 storage building, 18x20 garage, 18x50 calving barn, 40x80 calving pole barn. An abundance of steel panels, silage feeding, and squeeze included! 750 cultivated acres, 3-2000 bu. bins on concrete, 2-4000 bu. bins on ground. 160 acres planted to corn 1000 tons of corn silage. Possible work with adjacent ranch involving rotational grazing, fencing, and feeding cows. \$1,375,000. 306-427-0051, 780-210-4161, or email: [spquist@outlook.com](mailto:spquist@outlook.com)

**RM OF CORMAN PARK #344:** NW 22-38-07 W3, approx 100 acres cultivated; RM of **Mayfield #406**, W1/2 24-42-12 W3, yardsite w/4 bedroom split & heated garage, new well, 290 cult. acres. Will sell yardsite separate. Call 306-845-7719.

**LAND FOR SALE BY TENDER,** RM of Pittville No. 169: N1/2 of 14-17-20 W3, 320 cult. acres; W1/2 of 30-17-20 W3, 295 cult. acres, remainder grass; W1/2 28-17-20 W3, 1/2 cult. acres, 50 acres grass, rest is lake; E1/2 29-17-20 W3, 225 cult. acres, .95 acres grass w/water; SE 23-17-20 W3, 150 cult. acres, home quarter w/Eatons house, 2 wells, 1 heated shop (32x40), cold shed (40x80), old 12x60 storage trailer. Send bids to: Box 146, Hazlet, SK. Sun 1E0. For information call 306-774-5037. Bids close November 1st. Farmer has right of first refusal.

**NEAR KRONAU, SK,** 1/2 hour from Regina 80 acres w/character home & out buildings; Near Pilot Butte 68 acres w/yard site; near Pilot Butte 80 acres w/yard site. Brian Tiefenbach, 306-536-3269, Colliers Int. Regina, SK. [www.collierscanada.com](http://www.collierscanada.com)

**MANITOBA**

6134

**FARMLAND FOR RENT BY TENDER**

The E½ of 14-12-4 WPM (approx. 315 cult. acres) located in the RM of Portage la Prairie is available for a three year lease term.

Tenders are open until Monday, October 16, 2017.

Please forward the proposed rental rate and terms to D'Arcy & Deacon LLP, 2200 – One Lombard Place, Wpg, MB, R3B 0X7 or email to [wthiessen@darcydeacon.com](mailto:wthiessen@darcydeacon.com)

**MANITOBA**

6134

**FARM LAND (SODER) NEAR ELKHORN FOR SALE BY TENDER**

The executors of the Gilbert Soder Estate are tendering 27.5 quarters of farm land just north of Elkhorn, Manitoba for sale in 7 packages. Bids will be considered on individual packages or on any combination of packages. The lands are in the name of 3584853 Manitoba Ltd. The lands supported both a grain operation and a livestock operation and have facilities suitable for both. The residence and most facilities are on the SE 14-12-28 WPM. There are oilfield facilities on Parcels 6 & 7 generating annual surface rights compensations. No mineral rights are included in the sale.

**PACKAGE #1: E ½ & NW 14-12-28 and all Sec. 11-12-28:** Primary yard site with 1 & ¾ quarter story brick and wood frame house, shop, Quonset, feed lot and loose housing, pole shed, grain bins. 5 quarters cropped, 1 alfalfa, 1 pasture

**PACKAGE #2: E ½ & SW 13-12-28 and N ½ 12-13-28 and S ½ 18-12-27 and N ½ 7-12-27:** 6 quarters crop land and 3 pasture with some bush

**PACKAGE #3: NE ¼ 1-12-28 and NW ¼ 6-12-28:** crop land

**PACKAGE #4: S ½ 8-12-27** pasture

**PACKAGE #5: Section 28-12-27** pasture and hayland

**PACKAGE #6: N ½ & SW 22-12-27** pasture with oilfield facilities

**PACKAGE #7: S ½ of SW 23-12-27** pasture with oilfield facilities

A package of information is available from the law office by email request including copies of municipal tax notices with some further details from a report which was prepared in 2012 and is mostly still accurate except as noted. Send request to: [Anique@mmlaw.ca](mailto:Anique@mmlaw.ca) Persons tendering are advised to conduct their own due diligence and verify all information and title status.

Tenders are to be submitted in a sealed envelope to the law office of McNeill Harasymchuk McConnell, Box 520, 243 Raglan Street W., Virden, Manitoba, R0M 2C0. Attn: R. McNeill; accompanied by a cheque for 5% of tender payable in trust to the law firm to form the deposit on any successful tenders. Highest or any tender not necessarily accepted. Cheques for unsuccessful tenders will be returned. Please include name, mailing address and phone number. The successful bidder(s) will be required to complete an agreement covering terms and conditions of sale.

Permission to attend on the lands to view buildings and facilities may be obtained from Keith Pearn (204-748-3958) or Garth Soder (204-845-2084).

Tenders close Thursday, November 30, 2017 at 12:00 noon. Closing to be on or before December 28, 2017. Purchasers will be responsible for municipal taxes after January 01, 2018. Possession of buildings and yardsite to be June 01, 2018 with access reserved until then together with the right to hold an farm machinery auction in the primary yardsite in or about April 2018. Hopper bottom grain bins will be sold at the machinery auction.

**SASKATCHEWAN**

6133

**LAND FOR SALE BY TENDER:** RM of Monet No. 257 & RM of Lacadena No. 228, Owner: Sharon L. Downs, NW 33-23-14 W3, Ext. 0, Surface Parcel #103200826. (Owner: The Nature Conservancy of Canada) NW 03-24-14-W3, Ext. 0, Surface Parcel #103195830; SW 03-24-14-W3, Ext. 0, Surface Parcel #103188708; SE 28-23-14 W3, Ext. 0, Surface Parcel #103159942.

\*\*The lands will be transferred to the successful bidder free and clear of all encumbrances. The Nature Conservancy of Canada does not and will not have a conservation interest or easement on these lands.\*\* Please submit bid (including name, address and phone number) with a certified cheque or bank draft for 5% of the bid to the undersigned law firm on or before 12:00 PM on Friday, October 20th, 2017. In the event of a successful tender, the successful bidder will be required to enter into a written purchase agreement within 3 business days of notice of acceptance of bid, with the certified cheque amount to be applied as a deposit. The cheques of unsuccessful bidders will be returned. Conditions: 1. Property sold "as is"; 2. Bids are conditional on the purchase of all four (4) quarters of land set out above; 3. Highest or any bid not necessarily accepted; 4. Preference in determining the successful bidder will be given as follows: (a) if a person, such person maintains his or her residence and farms in Saskatchewan; and (b) if a corporation, such corporation has as its principal business active agricultural operations in Saskatchewan; 5. No bid which is subject to financing shall be accepted; 6. Bidders to make their own inquiries and rely on their own inspection and knowledge of the property to determine its value, condition, acreage and assessment; 7. GST, if applicable, shall be payable by the successful bidder. Submit tenders with cheques payable to: Kankuka Thuringer LLP, Barristers & Solicitors, 302 - 350 Cheadle Street W., Swift Current, SK. S9H 4G3. Attention: Andrea V. Argue

TAKING OFFERS ON section of land in RM 129: 33-14-19 W2. Looking to lease back. Phone 306-596-4231.

**FOR SALE BY TENDER:** Cropland near Central, RM No. 194. Parcels: NW02 & NE03-21-04-W3, SE35 & SW36-20-04-W3. Total assess (2013) = \$276,300. Bids due Nov 3, 2017. For inquiries, contact Greg 306-230-2225, [g\\_schoenau@yahoo.ca](mailto:g_schoenau@yahoo.ca)

**DWEIN TRASK REALTY INC.** Langham south NW-32-38-07 W3 2017 FMV assess \$123,100 on Struan Grid \$264,900; Langham Cee Pee grid E 1/2 06-39-08 W3 2017 assess. \$299,600 level flat and relatively stone free \$799,900. Call Dwein for details 306-221-1035, Saskatoon, SK.

640 ac. in RM of Enfield No. 194. Any or all offers may not be accepted. N 1/2 35-19-6 W3, SW 1/4 35-19-6 W3, NE 1/4 27-19-6 W3. 780-598-0370, [polley@hotmail.com](mailto:polley@hotmail.com)

**150 ACRES +/- of Cultivated Land** (SW of Saskatoon, SK). Land leased out for a 3 year term. 2015: Land was seeded to Hard Red Spring Wheat. 2016: Land will be seeded to Soybean. MLS#ID#1100502 Dinsmore. Real Estate Centre, 1-866-345-3414. For all our listings visit: [www.farmrealestate.ca](http://www.farmrealestate.ca)

**FOR SALE BY TENDER:** Burstable, RM of Deerforks, No. 232. Parcels SE 11-19-28 W3 (160 cult. acres) & S1/2 of SW 3-19-28 W3 (80 cult. acres). Currently larger parcel has 2 gas wells, smaller has 1 + a right-of-way. For more info, 306-662-9045. Deadline November 15th, 2017. Highest or any tender not necessarily accepted.

**MANITOBA**

6134

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**MANITOBA**

6134

**FARMLAND FOR SALE BY TENDER**

Those Portions of OTM Lots 2 and 3, OTM Lots 8 to 12, RL 8, and TL 3 all of the Parish of St. Francois Xavier, consisting of approximately 417.34 acres are hereby offered for sale by tender.

Prospective bidders may request a tender package from D'Arcy & Deacon LLP by calling: 204-318-2239

Bids will be accepted on any or all of the above noted lots.

Interested parties must forward formal tenders, together with a deposit of 5% of the tendered price payable to "D'Arcy & Deacon LLP in Trust" no later than October 23, 2017.

Highest or any tender not necessarily accepted. Prospective purchasers must rely entirely on their own inspection of the property and shall be responsible for payment of the GST or shall self-assess for purposes of the GST.

Closing of the sale and transfer of possession of the property shall be on November 3, 2017 or earlier by mutual agreement.

The successful Bidder must enter into an Offer to Purchase confirming the details of the transaction

Tenders must be submitted to: D'Arcy & Deacon LLP, 2200-One Lombard Place Winnipeg, Manitoba R3B 0X7 Attention: Brent R. Kendall

Tenders Close: October 23, 2017

**MANITOBA**

6134

**FARM PROPERTY FOR SALE BY TENDER**

Sealed tenders in writing for the purchase of the Walker farm property in the Municipality of Norfolk Treherne described below will be received by Taylor McCaffrey LLP as follows:

**PROPERTY FOR SALE:**

Parcel 1: NE 1/4 32-7-8 WPM EXCEPTING ALL MINES AND MINERALS AS RESERVED IN THE ORIGINAL GRANT FROM THE CROWN

Parcel 2: SE 1/4 32-7-8 WPM

Parcel 3: NE 1/4 29-7-8 WPM

Parcel 4: SW 1/4 6-8-8 WPM EXCEPTING FIRSTLY- THE SLY 400 FEET OF THE WLY 337 FEET SECONDLY - PARCEL A PLAN 1234 MLTO THIRDLY - PLAN 33079 MLTO FOURTHLY - PUBLIC ROAD PLAN 1158 MLTO (C DIV) FIFTHLY - WATER CONTROL WORKS PLAN 959 MLTO SIXTLY - ALL MINES AND MINERALS AS SET FORTH IN TRANSFER 39668 MLTO; and excepting further approx. 0.58 acres to the east of the adjacent lot (CT 2137928) which has been approved for subdivision and is currently being processed.

Parcel 5: SW 1/4 4-8-8 WPM EXCEPTING - ALL MINES AND MINERALS AS RESERVED IN THE ORIGINAL GRANT FROM THE CROWN

Parcel 6: SE 1/4 4-8-8 WPM EXCEPTING - ALL MINES AND MINERALS AS RESERVED IN THE ORIGINAL GRANT FROM THE CROWN

**CONDITIONS OF TENDER:**

1. Interested parties must rely on their own inspection and knowledge of the property.

2. Tenders may be placed and accepted on one or more of the above described parcels of land.

3. Tenders must be delivered to Taylor McCaffrey LLP by 2:00 p.m. on October 20, 2017. Please mark on front of envelope "Attention: Alain Laurencelle".

4. Tenders must be accompanied by a \$10,000.00 deposit cheque for each parcel payable to "Taylor McCaffrey LLP". Deposit cheques accompanying unacceptable bids will be returned.

5. The highest or any tender will not necessarily be accepted.

**TERMS AND CONDITIONS OF SALE:**

1. The bidder(s) whose tender is accepted will be required to complete an agreement covering the terms and conditions of the sale.

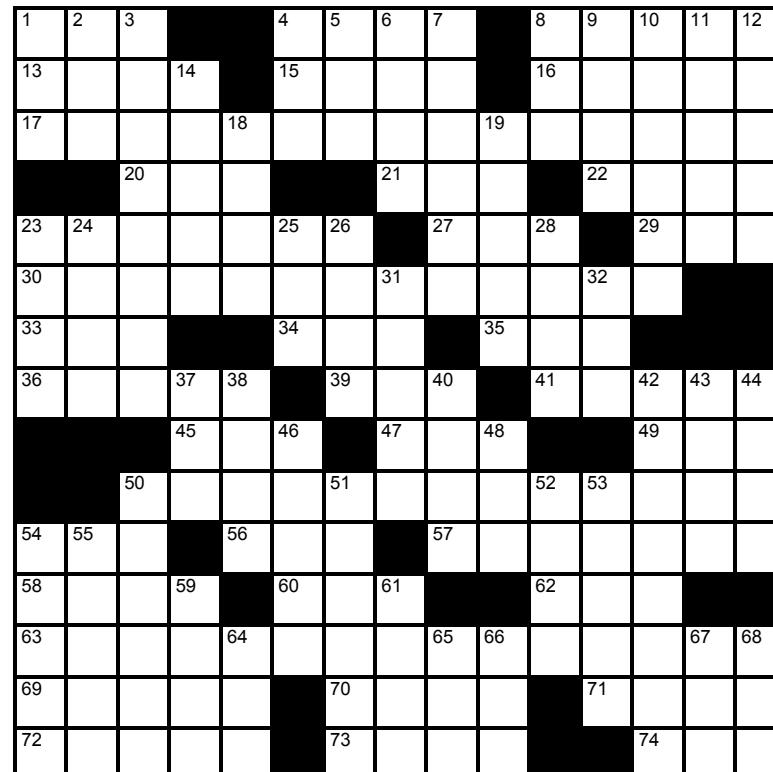
2. Purchasers are required to bid on each parcel of land separately.

3. Possession is not authorized until acceptable arrangements for full payment and signed agreement for sale are made following acceptance of tender. Once arrangements acceptable to the Vendor have been made, the successful bidder may have access to the

# *Crossword*

by Adrian Powell

## **Happy Thanksgiving... Maybe**



ACROSS

- 1 Be decisive
  - 4 Donations for the poor
  - 8 It's all rubbish
  - 13 Bus rider's fee
  - 15 John Steinbeck's Joad, for one
  - 16 Pooh's favourite
  - 17 Insultingly hurls Thanksgiving dinner across the kitchen?
  - 20 Popinjay
  - 21 Tolstoy who wrote "War and Pea
  - 22 Bedouin bigwig
  - 23 Guacamole ingredient
  - 27 The piper's son
  - 29 Greater L.A.'s Santa \_\_\_\_
  - 30 Turkey with a scientific outlook
  - 33 Mouths, in old Roma
  - 34 Bit of comedy
  - 35 Fifth note of the scale
  - 36 Shopping plazas
  - 39 Cry your eyes out
  - 41 Like the Taj Mahal
  - 45 Priest's gown
  - 47 Approving gesture
  - 49 "Mogambo" star Gardner
  - 50 Unusual red coloured turkey, mistakenly taken for a stove top dessert?
  - 54 Principle of Eastern religion
  - 56 Try to win the heart of
  - 57 Leaky radiator remedy, e.g.
  - 58 Cutlass auto maker, once
  - 60 Where Seinfeld could be seen
  - 62 Velcro-like seed

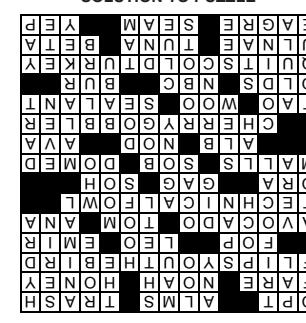
DOWN

- 63 Suddenly stops eating Thanksgiving leftovers?  
69 Forearm bones  
70 Cat food flavouring  
71 Alpha's follower  
72 Tidal bore  
73 Tailor's junction  
74 "No prob."

**DOWN**

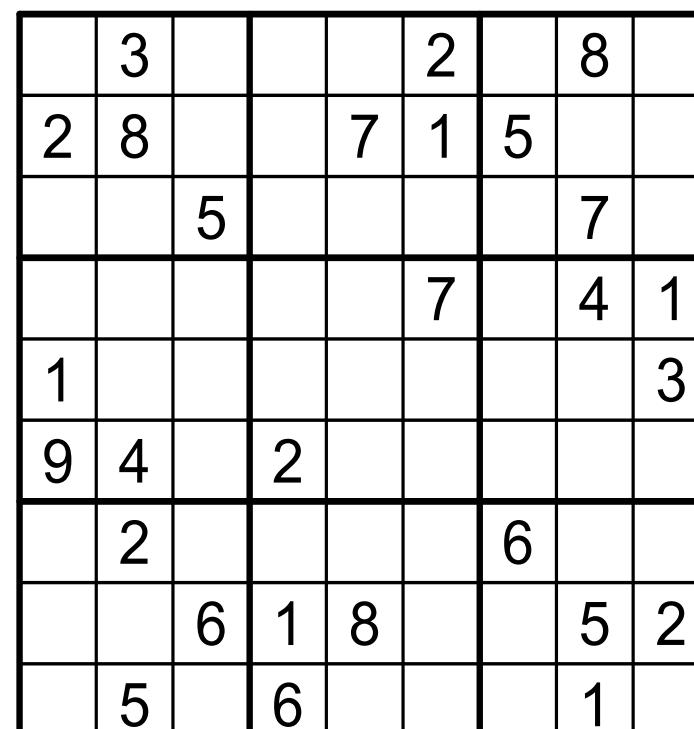
1 It's just not on  
2 One of the gang  
3 Progressive predecessor, in lens  
4 Undefined amount  
5 Simple, old card game with forfeit  
6 Manhandle  
7 Small Jewish village  
8 French bistro beverage  
9 Peignoir, for one  
10 Frog, dog or hog  
11 Canary's cousin  
12 Monster slain by Hercules  
14 Long geological period  
18 Wing statistic  
19 Horse feet  
23 Electron's bailiwick  
24 Miles of "Psycho"  
25 Use a shovel  
26 Crop grown up near the Andes  
28 Temperament  
31 Unending pain  
32 Ball player on first  
37 Soh follower  
38 Assassinated

SOLUTION TO PUZZL



TAKE FIVE

# Sudoku

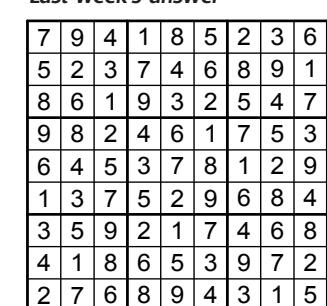


Puzzle by websudoku.com

#### **Here's How It Works**

**Here's How It Works:** Sudoku puzzles are formatted as a 9x9 grid, broken down into nine 3x3 boxes. To solve a sudoku, the numbers 1 through 9 must fill each row, column and box. Each number can appear only once in each row, column and box. You can figure out the order in which the numbers will appear by using the numeric clues already provided in the boxes. The more numbers you name, the easier it gets to solve the puzzle!

### Last week's answer



Puzzle by websudoku.com

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WANTED: FEED BARLEY Buffalo Plains Cattle Company is looking to purchase barley. For pricing and delivery dates, call Kristen 306-624-2381, Bethune, SK.  
WANTED: OFF-GRADE PULSES, oil seeds and cereals. All organic cereals and specialty crops. Prairie Wide Grain, Saskatoon, SK, 306-230-8101, 306-716-2297.  
**HAY/STRAW 6510**  
ROUND ALFALFA/ALFALFA GRASS solid core greenfeed 5x6 JD hay bales for sale. Call 306-237-4882, Perdue, SK.  
380 FIRST CUT Alfalfa bales, no rain, 1400 lbs., 5.5x5', 65¢/lb. OBO. 306-526-8318, Qu'Appelle, SK.

**SEED WANTED 6542**



WANTED: ORGANIC & Conv. Brown Flax FOB or delivery pricing available. 2017 new crop. Call 306-782-8804, Yorkton, SK. mike@tafoods.ca www.tafoods.ca

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BEAR HUNTING, TWO respectable and ethical hunters seeking farmers that have problems with black bears eating their crops and would allow hunters to hunt on land. Manitoba, MB. cmart@mymts.net

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I'm with the Pork Lobby and we've read your blog. There is no bacon factory. Got it?

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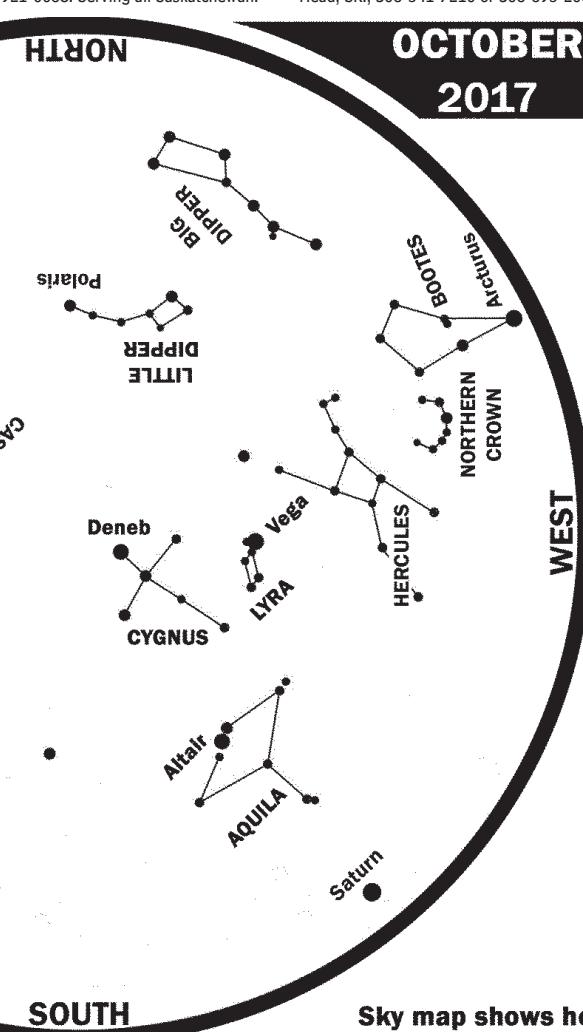
WANTED: FEED GRAIN, barley, wheat, peas, green or damaged canola. Phone Gary 306-823-4493, Neilburg, SK.

## Prairiesky maps

Instructions : Hold the sky map over your head with the top of the map facing north.

Throughout the month look for dazzling Venus and red Mars floating low in the east as dawn twilight begins. Both planets will be in very close company on the 5th. The Harvest Moon is usually in the month of September, but around every three years it occurs during October, as it does in 2017. The Full Harvest Moon will rise out of the eastern horizon just after sunset on the 5th and will set around sunup. The thin crescent Moon moves into the eastern dawn sky to form a tight grouping with Venus and Mars on the 16th and 17th. This will be a great year for observing the famous Orionid meteor shower since the Moon will be a skinny crescent and setting early in the night. Watch for up to 40 faint but very fast yellowish shooting stars per hour from the evening of the 20th until the morning of the 21st. With this meteor shower there is always the possibility of an outburst! The planet Saturn will hang low in the southwest sky as dusk deepens into nightfall. On the 22nd the crescent Moon visits both Saturn and the red star Antares.

Jeffrey Britton



Sky map shows how the night sky looks Early Oct. 10 P.M. Late Oct. 9 P.M.

12 19 27

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I'm with the Pork Lobby and we've read your blog. There is no bacon factory. Got it?

**FARM/RANCH 8016**

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ECONOMICS

# Will feeding open cows cost — or make — you money this winter?

Use an online calculator and pencil in your numbers before deciding to preg check this fall, says beef economist



Feeding cows that won't give you a calf next spring can sometimes make you money — but it all depends on your costs and what happens to prices over the winter. PHOTO: CANADA BEEF

BY ALEXIS KIENLEN

Staff

Preg checking your cattle is important — but it's hard to know if you should cull open ones now or feed them through the winter.

Beef economist Kathy Larson of the Western Beef Development Centre doesn't always recommend feeding open cows.

"It's a costly venture, particularly when we have tight feed supplies," she said. "In Saskatchewan, we're paying 5-1/2 or six cents for hay, and so I wouldn't see that keeping open cows would make sense."

Most calves and the bulk of cows hit the market in the fall, pushing down prices. But prices usually rise during the winter.

"There's some thought that if you held on to them, and maybe put a little more condition or weight on them, the price the following spring would more than make up the cost that you incurred to overwinter them," she said.

Using price data from the past 10 years, Canfax Research Services recently applied price trends and put those into an online calculator developed by the Beef Cattle Research Council. That allowed it to estimate the financial benefits of three options; culling open cows in the fall; preg checking and feeding them separately; and skipping the pregnancy check and giving every cow similar rations. It then broke the prices down further to consider four feeding systems; dry lot, swathed barley, bale grazing, and corn grazing, and calculated average daily gain in each.

Larson advises producers to use the online calculator to put their own numbers in.

"Over the last 10 years, we have seen prices typically drop 15 per cent from the summer high to November," she said. "We have the slump in the market because producers were preg checking and then there are a lot of open cows coming to the market."

The Canfax study found

**"There's some thought that if you held on to them, and maybe put a little more condition or weight on them, the price the following spring would more than make up the cost that you incurred to overwinter them."**

KATHY LARSON

producers would be significantly further ahead if they don't preg check and feed cows all winter. But the prices estimated in the blog post, published on Aug. 31, have already changed, said Larson.

"They talk about how prices will be 95 cents (per pound) this fall and it's already 90 cents," Larson said on Sept. 13. "It changes so fast."

One of the things producers can do is get some current pricing information. There are free sources available, or people who have a subscription to Canfax can go and see historical data as well.

"I am a huge proponent of getting producers to start getting comfortable with their numbers, and using calcula-

tors that are there," said Larson.

(If they see shortfalls of these calculators, they can always give their feedback to the Western Beef Development Centre, Canfax, or the Beef Cattle Research Council, so they can improve on the tools available, she added.)

In its study, Canfax assumed prices would increase 27 per cent from November to March, which has been the average of the past 10 years. But that jump didn't happen in 2016, said Larson.

"It was only 15 per cent," she said. "They do say near the end of the article that if prices only increase five per cent, then you see that it

doesn't really pay, or it pays very little."

Everyone's situation is different, and producers need to put in their own numbers, she said.

The calculator accounts for either feeding cattle separately or as a group, but not bale grazing, swath grazing, or feeding them with standing corn.

"That's not built into this little online calculator," she said.

The Beef Cattle Research Council calculator (called the 'Economics of Pregnancy Testing Beef Cattle' model) allows users to enter their own overwintering costs, average daily gain, length of winter feeding period, and other variables. It can be found at [www.beefresearch.ca](http://www.beefresearch.ca) — click on the Resources pull-down menu and then on Decision Making Tools.

The Western Beef Development Centre has an online cost-of-production calculator. It can be found at [www.wbdc.sk.ca](http://www.wbdc.sk.ca) (click on 'Economics' on the left-hand side of the home page).

*akienlen@fbcpublishing.com*

## CURIOS PAIR



These spring heifers are always friendly and interested in what's going on around them at the Crayston farm near Glenora. PHOTO: GRACIE CRAYSTON

# EIA down, but not necessarily out, with incoming cold

The risk of spreading equine infectious anemia is slowing down as cold weather lowers fly populations, but the CFIA warns that more cases might be detected next year

BY ALEXIS STOCKFORD

Co-operator staff

**T**he federally appointed veterinarian in Manitoba's equine infectious anemia (EIA) scare says he expects positive results to trickle in through 2018.

Alex McIsaac, Canadian Food Inspection Agency (CFIA) western animal health specialist, said a number of EIA carriers in the province have slipped through the cracks until now due to infrequent testing.

Animals infected with EIA may not show symptoms but may still spread the disease.

"I do think next year there will be another big push to test for shows and sales and I think we'll probably find some more next year as well, and that's what usually happens, right? You'll usually have an index case that causes a big rush in testing and then you start finding extra cases and it usually goes on for another year... and then after that you don't find any more and then people start waning on their testing and people don't test anymore and then it builds back up. It just works in a cycle," he said.

Seven premises were put on lockdown and 17 horses tested positive for EIA and were euthanized in 2017, the CFIA reports.

Of those, four premises have been released from quarantine, while farms in the municipalities of Rosedale, Springfield and Armstrong are still being monitored.

McIsaac expects one of those three to be released in the near future.

The CFIA tests all equines on a farm where an animal is found positive. The farm is then put into 45-day quarantine, the longest incubation period for the virus, before animals are tested again. If no other animals test positive, the premise is considered EIA free.

The CFIA requires that any infected animal be either put down or quarantined for life, although most EIA-positive animals are euthanized in practice.

The incurable, blood-borne virus causes swelling in the extremities, weakness, anorexia and weight loss, intermittent fever, depression, jaundice, small hemorrhages under the tongue and eye and is potentially fatal.

### Reduced contagion risk

The disease is less likely to spread as Manitoba's short summer winds down and biting flies, the main vector for EIA, disappear, McIsaac said, although already-infected horses still need to be found.

"Without testing, you can't really determine whether there's infected horses out there which harbour the virus," he said.

A number of animals this year, including the most recent EIA case in September, tested positive for the virus but showed no symptoms.

The outbreak stayed largely contained to the Interlake. The first cases appeared in the RM of St. Clements, followed by two infected animals in the RM of Armstrong. Cases were eventually discovered in the municipalities of Springfield, St. Andrews, Hanover and Rosedale.

It was a grim summer for horse sports in the region. The Arborg Fair and Rodeo cancelled all horse bucking, chuckwagons, vaulting demonstrations and pony rides and saw far fewer barrel racing competitors July 14-16. The fair's bucking stock provider was among the infected premises and in quarantine at the time.

The North Interlake Show Circuit also cancelled most events this summer.

Outside the Interlake, a number of agricultural societies and horse events required a valid Coggins test, commonly used to detect EIA, before allowing animals on the grounds.

Arborg was among the first to require mandatory testing, although the requirement also popped up during the Carman Fair in mid-July. Others, such as the Gilbert Plains-Grandview Agricultural Society, plan to add mandatory testing next year.

The Manitoba Horse Council required a valid Coggins test for all events at the Birds Hill Park Equestrian Facility, including the 2017 Manitoba Equestrian Championships in September.

"It was a requirement that we set in response to the outbreaks that we had, some of which were worryingly close enough that it was certainly warranted," council executive director John Savard said. "At the horse council, we've determined (it) to be the best practice for shows anyway and we're very happy to state that to anyone."

EIA did impact event attendance and one event had to be cancelled out of concern over the disease, Savard said.

The board has yet to determine if the requirement will remain after this year, although Savard expects it to become standing policy.

The Coggins requirement applied only to the equestrian

facility, not trail riding or other horse activities in Birds Hill Park.

McIsaac added that he was impressed overall with horse show and horse association responses in the wake of the outbreak.

"We had an initial rush and, I'll be frank with you, a little bit of a panic, and they handled it very, very well. I was quite pleased how it worked out," he said.

### Ag Ex on EIA

Brandon's Ag Ex, one of the largest events left on Manitoba's show and rodeo circuit, will not require a Coggins test, although general manager Ron Kristjansson says they are monitoring the outbreak. The Provincial Exhibition, the organizing body for Ag Ex, is recommending but not requiring horses be tested.

Unlike the Royal Manitoba Winter Fair, the Provincial Exhibition is the host, but not the organizer of horse events during Ag Ex, he added. Instead, organizers for the horse sales, ranch sorting, and Manitoba Rodeo Cowboy Association (which will hold its finals at Ag Ex), will be responsible for their own rules.

"We are working with our veterinarian to come up with a specific equine biosecurity protocol for the Royal Manitoba Winter Fair, which will be in March 2018, and that we're going to use as a framework for all of our horse events going forward from there," Kristjansson said. "We may require some specific vaccinations for specific diseases. We're just kind of in the final stages of putting that together to send out to our exhibitors."

The Provincial Exhibition put a higher focus on biosecurity this year, including boot baths in the barns and an on-site veterinarian during events. Owners were also asked to take animal temperatures.

astockford@farmmedia.com

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## SHEEP &amp; GOAT COLUMN

# Sale sees more sheep and goats

The arrival of fall has seen more animals delivered for sale

## BY MARK ELLIOT

Co-operator contributor

**T**he cooler temperatures and falling leaves of autumn were accompanied by an increase in the number of sheep and goats delivered for sale to Winnipeg Livestock Auction Sept. 20.

This event saw 420 sheep and goats hit the ring, but that was met with a slight decrease in interest and bidding from buyers for some classes.

The sheep sale saw an extremely low selection of ewes available, forcing some higher bidding from buyers, who demonstrated no preference or price difference between wool and hair animals.

A 225-pound Cheviot-cross ram entered the arena with full power. This ram brought \$310.50 (\$1.38/lb.). A 105-pound Katahdin-cross ram showing its full regal was very impressive, bringing \$184.80 (\$1.76/lb.).

No heavyweight lambs were delivered.

The market lambs sparked some strong bidding, based upon the quality of the lambs. Two 110-pound Dorset-cross lambs brought \$220 (\$2/lb.). The exotic variety lambs did not cause any interest from the various buyers. The Icelandic-cross lambs could not reach the average prices of this classification, hitting just \$1.70/lb.

Feeder lambs dominated this sale, similar to the last auction. However, the bidding was not as vocal and strong. The exotic lambs fed this limited interest by the buyers.

The lightweight lambs could not maintain the bidding atmosphere as the feeder lambs. The price ranged from \$2.05 to \$2.15/lb. for the 70-plus-pound lambs. The hair lambs were not able to reach bidding within the established sale range. A group of seven 79-pound Cheviot-cross lambs brought \$2.22/lb.

Once again, the hair lambs had a lower price range compared to the wool lambs. Eight 61-pound Katahdin-cross lambs brought \$1.90 per pound. A group of seventeen 68-pound lambs brought \$2.19/lb.

The 50-plus-pound wool lambs ranged from \$2.19 to \$2.36/lb. at this sale. However, the hair lambs also showed much lower quality, causing lower bidding.

During the goat sale, buyers were influenced by the appearance of the goat does when entering the arena. Some of these goat does were clearly being eyed for herd building. The bidding had no clear pattern, only seemingly based upon the buyers' opinion and judgment.

A purebred Nubian goat buck led the bidding from the buyers. This goat buck brought \$2.20/lb. The meat bucks brought \$2.13 and \$2.17 per pound for similar-ranged weights. The much heavier goat buck could not reach this bidding.

Once again, goat kids kept bidding strong. The supply of the goat kids delivered for the sale created strong competition, but not for the very light goat kids.

*Ontario Stockyard Report* showed that the feeder lambs held the interest of the buyers. However, overly thin or fat feeder lambs were not accepted in the same fashion and saw lower bidding.

	GOAT DOES	/ lb.	ANIMAL WEIGHT
EWES	MEAT	\$1.38	70 lbs.
		\$0.86	105 lbs.
LAMBS (LBS.)		\$1.04	120 lbs.
110+		\$1.63	123 lbs.
BUCKS	MEAT	\$2.13	80 lbs.
95 - 110		\$2.17	92 lbs.
		\$1.82	195 lbs.
80 - 94	DAIRY	\$2.20	75 lbs.
	KIDS - Under 80		
Under 80	MEAT	\$2.25	71 lbs.
72 - 79		\$2.22	76 lbs.
		\$2.20	77 lbs.
61 / 68		\$2.30 / \$2.33	64 lbs.
55 / 58	DAIRY	\$2.68	63 lbs.
		\$2.46	68 lbs.
	MEAT	\$2.15	54 lbs.
		\$1.77	43 lbs.
	DAIRY	\$1.69	42 lbs.
		\$2.52	48 lbs.

**CANADIAN WESTERN Agribition**

**NOVEMBER 20-25, 2017**

*Fun for the whole family!*

**WILD WOOL RIDE**  
Saturday, November 25 12:30 PM & 2:30 PM - Brandt Centre  
*(sign up required to participate)*

**STEER RIDING SCHOOL**  
Saturday, November 25 1:00 PM - Brandt Centre *(sign up required to participate)*

**MINI-CHUCKWAGON RACING**  
Saturday, November 25 3:00 PM - Brandt Centre

**RUNNING WITH THE BULLS**  
Saturday, November 25 4:00 PM - Brandt Centre

**AGRIBITION PRO RODEO**  
Wednesday, November 22 - Saturday, November 25 7:00 PM - Brandt Centre  
*(tickets required)*

Visit [www.agribition.com](http://www.agribition.com) for the full schedule of events

# LIVESTOCK AUCTION RESULTS

Weight Category	Ashern	Gladstone	Grunthal	Heartland	Heartland	Killarney	Ste. Rose	Winnipeg
<b>Feeder Steers</b>	Sept. 27	Sept. 26	Sept. 26	Brandon	Virden	Sept. 25	Sept. 28	Sept. 29
<b>No. on offer</b>	720	751*	262	731	2,036*	385*	575	900
<b>Over 1,000 lbs.</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	154.00-169.00
<b>900-1,000</b>	160.00-189.75	156.00-188.50	160.00-179.00	n/a	172.00-185.00	n/a	175.00-187.00	177.00-195.50
<b>800-900</b>	150.00-198.75	164.00-192.25	155.00-185.00	n/a	186.00-208.00 (214.00)	175.00-188.50	195.00-207.00	188.00-204.50
<b>700-800</b>	170.00-212.50	150.00-200.50	160.00-181.00	195.00-216.00	197.00-216.00 (220.00)	190.00-205.50	190.00-213.50	195.00-213.50
<b>600-700</b>	191.00-214.00	179.00-221.25	180.00-210.00	200.00-220.00	206.00-224.00 (230.00)	200.00-217.00	205.00-227.00	200.00-224.50
<b>500-600</b>	200.00-235.00	151.00-232.00	200.00-238.00	205.00-225.00 (236.00)	210.00-230.00 (237.00)	210.00-230.00	215.00-245.00	215.00-242.50
<b>400-500</b>	210.00-253.00	143.50-270.50	225.00-264.00	230.00-258.00	220.00-248.00	220.00-256.00	225.00-255.00	230.00-259.00
<b>300-400</b>	265.00-285.00	239.00-274.50	200.00-276.00	250.00-277.00	n/a	n/a	n/a	245.00-291.00
<b>Feeder heifers</b>								
<b>900-1,000 lbs.</b>	n/a	148.50-156.50	n/a	n/a	155.00-175.00	n/a	n/a	145.00-175.50
<b>800-900</b>	150.00-180.50	149.00-174.50	155.00-170.00	n/a	165.00-178.00	160.00-173.50	170.00-184.00	160.00-186.50
<b>700-800</b>	150.00-190.00	151.00-179.00	160.00-177.00	173.00-185.00	174.00-186.00	165.00-177.00	170.00-191.00	165.00-193.50
<b>600-700</b>	176.00-185.00	170.00-185.00	165.00-183.00	177.00-190.00	174.00-190.00	170.00-183.50	175.00-190.50	175.00-194.50
<b>500-600</b>	184.00-192.00	105.00-194.50	170.00-195.00	180.00-193.00	178.00-198.00	180.00-191.00	182.00-205.00	180.00-209.50
<b>400-500</b>	192.00-231.00	148.00-217.00	206.00-225.00	195.00-215.00	190.00-219.00	190.00-214.00	190.00-222.00	188.00-225.00
<b>300-400</b>	223.00-246.00	151.00-224.00	200.00-239.00	200.00-220.00	n/a	n/a	n/a	n/a
<b>Slaughter Market</b>								
<b>No. on offer</b>	105	n/a	58	75	n/a	n/a	110	110
<b>D1-D2 Cows</b>	80.00-87.00	66.00-75.00	60.00-88.00	77.00-85.00	78.00-84.00	75.00-85.00	75.00-88.00	78.00-84.00
<b>D3-D5 Cows</b>	71.00-77.00	63.00-66.00	n/a	65.00-76.00	60.00-78.00	n/a	70.00-78.00	70.00-76.00
<b>Age Verified</b>	88.00-98.00	75.00-81.50	n/a	n/a	n/a	n/a	n/a	n/a
<b>Good Bulls</b>	90.00-109.50	93.50-97.25	83.25-91.75	90.00-103.00	93.00-104.00	95.00-105.00	90.00-106.50	90.00-98.00
<b>Butcher Steers</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Butcher Heifers</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Feeder Cows</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Fleshy Export Cows</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Lean Export Cows</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Heiferettes</b>	105.00-140.00	n/a	85.00-121.00	n/a	95.00-120.00	n/a	n/a	87.00-105.00

\* includes slaughter market

(Note all prices in CDN\$ per cwt. These prices also generally represent the top one-third of sales reported by the auction yard.)

Manitoba Co-OPERATOR

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OCTOBER 2017

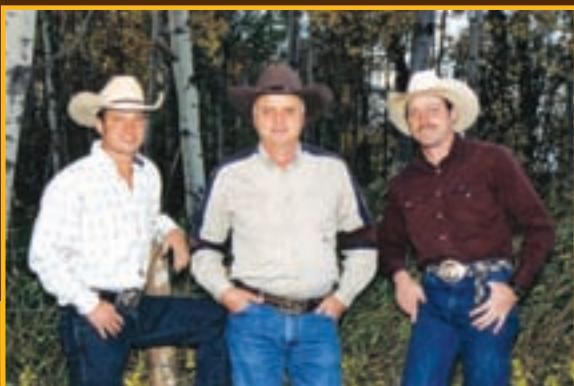
# Fall Female Buyers Guide

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CANADA'S  
FALL FEMALE  
SOURCE**



With over 2000 mother cows exposed in 2017, we at Ole Farms raise trouble free cattle. In order to be profitable we believe that a cow must be able to: feed herself on forages for as many days as possible with minimal mechanical intervention, rebreed each summer and wean a calf every year.

Our cattle must be deep bodied, easy fleshing and have solid feet. This enables them to hold condition and breed without being pampered.



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To view video visit [www.olefarms.com](http://www.olefarms.com)

**WESTERN CANADA'S FEMALE & SHOW CALF SOURCE**

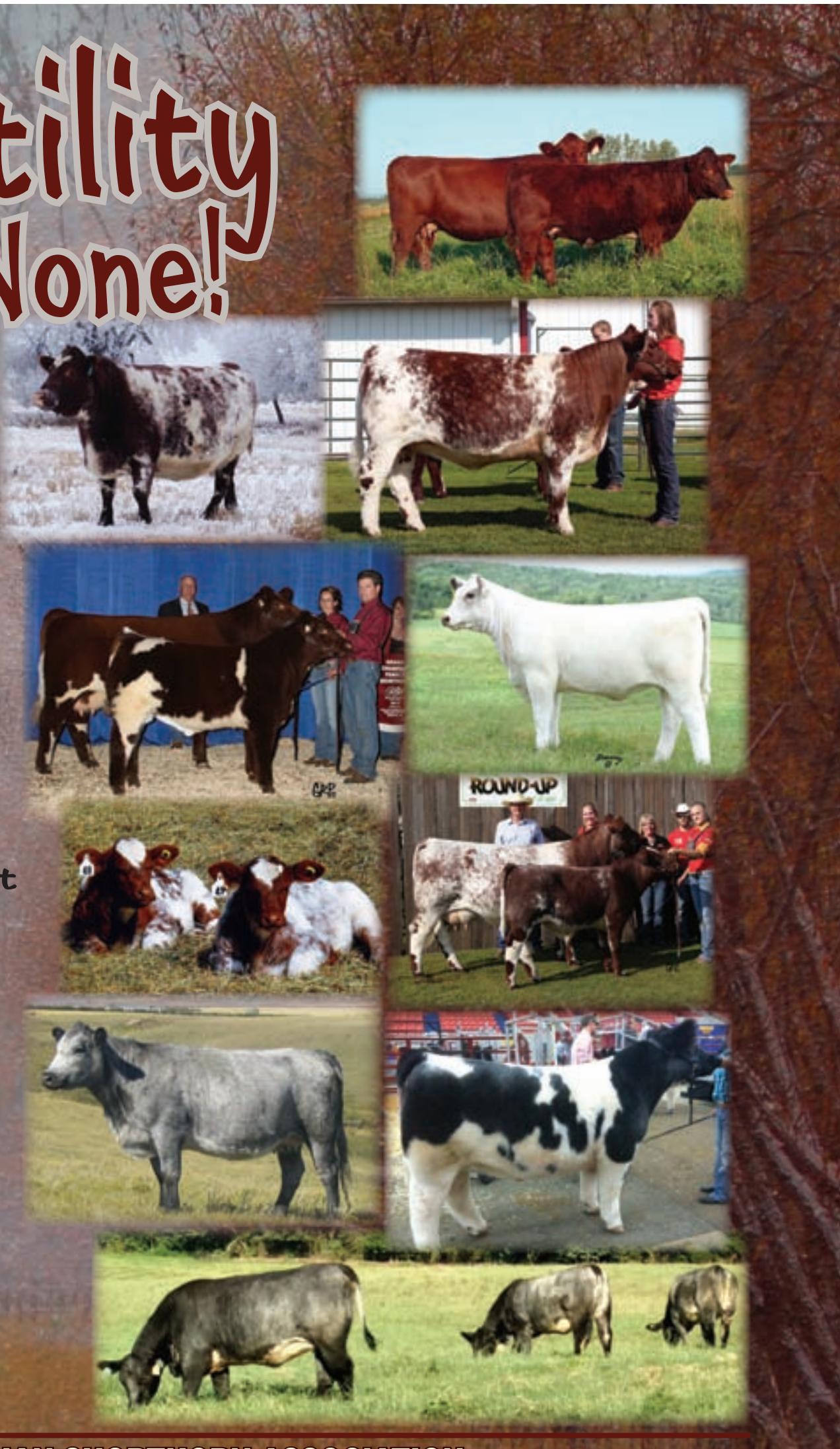
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WESTERN CANADA'S FEMALE & SHOW CALF SOURCE

# OCTOBER 2017 | Fall Female Buyer's Guide

JAN 31 MOOSE CREEK 2-YEAR-OLD BULL SALE • APR 9 ANNUAL YEARLING BULL SALE

*Moose Creek*  
RED ANGUS

**250 COMMERCIAL BRED HEIFERS**  
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## FENTON HEREFORD RANCH INC. FE

53<sup>RD</sup> ANNUAL FALL PRODUCTION SALE • NOVEMBER 18, 2017

**200** BRED HEIFERS SELL **50** REGISTERED **150** COMMERCIAL  
**60** LONG YEARING **5** BROKE RANCH **15** FANCY  
BULLS GELDINGS FOALS



Feature Sale Colt



Feature Bull ZZB 78D



Feature Sale Gelding

VIDEO OF ALL LOTS AVAILABLE BY OCT 30  
FOR CATALOG OR VIDEO VISIT  
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WESTERN CANADA'S FEMALE & SHOW CALF SOURCE

# OCTOBER 2017 | Fall Female Buyer's Guide

 **The Pedigrees are Similar,  
The Cattle Consistent.**

*3rd Annual*  
**Gemstone Cattle Hereford & Angus Bull & Female Sale**  
**December 6, 2017**  
Bow Slope Shipping Association, Brooks, AB – 1 PM

  
RHF-BUF U199 LANCER 157Y

**On Offer will be**  
**55 Rising 2 yr old Bulls**  
 - 35 Red Angus Bulls  
 - 20 Horned and Polled Hereford Bulls  
**75 Commercial Bred Females**  
 - Hereford, Red Angus, and  
 Hereford Angus Cross  
 (Exposed 30 Days)

We believe cow size is one of the primary factors in determining profitability in the cow herd. We continue to breed moderate framed cattle that can help you improve your profit per acre!

  
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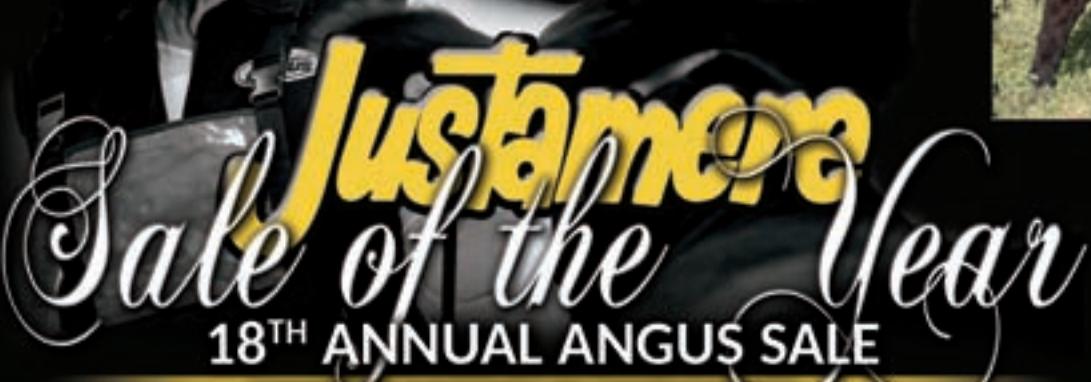


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**MONDAY, OCTOBER 16, 2017 1:00 PM**  
 AT JUSTAMERE HEADQUARTERS LLOYDMINSTER, SK

featuring... Herdsire Prospects, Angus Show Heifer Prospects, Bred Females, Embryo & Semen Lots

  
A Past SCOTY Highlight

  
NASC 1050  
Used in the 2016 SCOTY Sale

Breed Leading Genetics and Progeny from Sudden Look, Justified, Washington, Blue Chip, Lutton, Cash In, Full Throttle Reputation, Round Table, GQ, Opportunity and McKinley

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WESTERN CANADA'S FEMALE & SHOW CALF SOURCE

## OCTOBER 2017 | Fall Female Buyer's Guide

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# "HERDBUILDERS 17"

50th Anniversary Extravaganza Sale

December 8, 2017

At the Ranch Sales Pavilion - Carievale, SK

Offerings

**70** RED & BLACK PUREBRED BRED FEMALES

*Industry Leading Sires & Service*

*A.I. Bred No Exposure January/February*

**40** SIMMENTAL/ANGUS BRED HEIFERS

*A.I. Bred Angus March/April Calving*

**12** ELITE OPEN FEMALES

*Including E.T. Females*

**15** REGISTERED RED ANGUS BRED FEMALES



*Give us a call or stop in for a look!*

DON'T MISS YOUR OPPORTUNITY TO  
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# OCTOBER 2017 | Fall Female Buyer's Guide

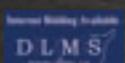
## 2 Brost Land & Cattle Co. Ltd. 2

2 49<sup>th</sup> Annual Production Sale at a later date 2  
**December 1, 2017**

At the Ranch

Guest consignor Bar RZ Polled Herefords

View Sale Online  
at DLMS.ca



Blaine  
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C: 403-502-5626

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**On Offer:**  
 18 Polled Bull Calves  
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 50 Bred Commercial Heifers

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Lloydminster Agricultural  
Exhibition Association

**NOVEMBER  
1-4, 2017**

## Purebred Cattle Shows

**ENTRY CLOSING DATE: OCTOBER 2, 2017**

For More Information, Contact Sam Hardstaff:  
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**YOU CAN'T  
CHANGE THE  
WEATHER.**

But you can be ready for it.



7th Annual

## All Star Classic Shorthorn Female Sale

Saturday October 21, 2017 @ 1:00 pm  
Lacombe, Alberta



16 Heifer Calves

27 Bred Heifers

3 Embryo Lots

12 Commercial Bred Heifers

**For more information please contact:**

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**WESTERN CANADA'S FEMALE & SHOW CALF SOURCE**

# OCTOBER 2017 | Fall Female Buyer's Guide

**SAVE THE DATE**  
**Nov 4,  
12:30p**

**NELSON HIRSCHÉ  
PUREBREDS**  
Del Bonita, Alberta



## Featuring 220 Bred Heifers

**120 Angus Home Raised Bred Heifers**  
AI Bred to low birthweight Angus & Hereford bulls

DUE: Feb 24- March 5

**80 Angus Home Raised Bred Heifers**

Naturally Bred to low birthweight Angus & Hereford bulls

DUE: March 15 - May 20

**20 Simmi-Angus Heifers**

Naturally Bred to low birthweight Angus & Hereford bulls

DUE: March 15 - May 20

### SELLING TOP 20 HEIFER CALVES



### SELLING OUR BEST 2 CHAROLAIS CALVES



### 25 SIMMI-ANGUS BULLS



### 55 ANGUS BULLS



## 1st Annual Production Sale Nov 4th, 2017, 12:30pm

**Fri Nov 3<sup>rd</sup>: Open House & Cattle Viewing. Dinner Served.**

### SELLING 165 BULLS

- 75 Hereford • 55 Angus • 25 Simmi-Angus • 10 Charolais
- 120 Coming 2 yr olds & 45 2017 Bull Calves

### 55 PUREBRED FEMALES

- 2 Hereford Flushes • 16 Exportable Embryos • 25 Hereford Bred Heifers
- Show Prospect Heifer Calves: 20 Hereford, 5 Angus, 2 Charolais
- **220 Home Raised Commercial Black Bred Heifers, due Feb 24-May 20**

### SELLING OUR BEST 5 ANGUS CALVES



### SELLING 25 HEREFORD BRED HEIFERS



### 75 HEREFORD BULLS



### 10 CHAROLAIS CALVES



Contact us to get on our mailing list  
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**WESTERN CANADA'S FEMALE & SHOW CALF SOURCE**

# OCTOBER 2017 | Fall Female Buyer's Guide

*Buy 'Em Red...*



*Breed 'Em White*



The Diamond K Cattle Co. bred heifers sell  
**DECEMBER 11th, 2017, 1:00 PM**  
 Bircham Ranch, 8 miles South of Piapot, SK

155 HEIFERS bred to proven Red Angus bulls  
 for 45 days from June 5th-July 20th  
 • 130 RED & RED BALDIES – Red Angus x  
 Simmental • 25 TANS – Red Angus x Charolais



These heifers are fully guaranteed and we  
 deliver. A program designed to produce  
 females to use with Charolais bulls



*The end result*

Sale broadcast live  
 on **DLMS.ca**

*New Sale  
 Location*

For more information on the 550 head  
 in the sale, visit [www.rocksolidbredheifer.com](http://www.rocksolidbredheifer.com)

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*Proven Consistency*

WESTERN CANADA'S FEMALE & SHOW CALF SOURCE

# POST-HARVEST MANAGEMENT

BEST CROPPING PRACTICES

## Fall is the best time for controlling foxtail barley

It might be too late in the season now, but there are ways to tackle this weed in the spring too

BY ALLAN DAWSON

Co-operator staff

**F**all is the best time to control many perennial weeds with glyphosate, including foxtail barley, but it might already be too late.

Weed surveys show foxtail barley is on the increase, Manitoba Agriculture weed specialist Jeanette Gaultier said Sept. 20 on her last day in the position, during the Westman Crop Talk webinar.

"In the fall the plants are moving everything back towards the root so that they can overwinter and of course the glyphosate is going with it — it's a very terrible pun — but you are getting to the root of the problem," Gaultier said.

Because it was dry this summer a lot of foxtail barley won't be moving as many nutrients now to its roots. However, plants with green leaves will absorb the herbicide.

The recommended rate to control foxtail barley with glyphosate is one to two litres per acre of Roundup equivalent, but Gaultier said she usually recommends two litres.

"I just find that foxtail barley can be so difficult (to control), why take a chance?" she said.

Foxtail barley can be controlled (90 per cent of plants killed) or suppressed (60 to 80 per cent



GRAPHIC: MANITOBA AGRICULTURE

of plants killed) in the spring, depending on plant maturity, Gaultier said.

New plants are easier to kill than established ones.

"In spring I never recommend anything lower than the two-litre equivalent (Roundup)," she said.

Early application is usually better when controlling weeds. However, Gaultier said research at the University of Saskatchewan shows spraying a little later in the spring can be more effective.

"The reason is foxtail barley has such skinny leaves when it's very small..." she said.

There's a sweet spot when the leaves are larger, but before the plant gets too mature.

There are some in-crop control options when growing

broad-leaved crops, using non-selective Group 1 grassy weed killers. They include herbicides that contain quizalofop such as Assure II, which offers control and Contender or Yuma, which offer suppression, Gaultier said.

Poast Ultra, with the active ingredient sethoxydim, works too.

New research from the University of Alberta shows some pre-emergence products suppress foxtail barley. One is Focus — a combination of cafentrazone (Group 14) and pyroxasulfone (Group 15).

The university also found layering Focus with glyphosate, or a Group 1, can work, but only ahead of spring wheat, winter wheat, soybeans and corn.

"The other big thing is it

**"In the fall the plants are moving everything back towards the root so that they can overwinter and of course the glyphosate is going with it — it's a very terrible pun — but you are getting to the root of the problem."**

JEANETTE GAULTIER

requires activation by rain," Gaultier said.

It might not have worked this year because it was dry, she said.

Foxtail barley is often a problem on saline land so reducing salinity is another way to control the weed, she said.

Foxtail barley grows best under the same conditions that favour crops. It often stands out when conditions are dry because there's less crop competition.

"I definitely think it has taken advantage of that this year," Gaultier said.

Tillage is the best way to control foxtail barley, she added.

"It doesn't have to be deep," she said. "Unlike a lot of perennials, foxtail barley does actually have a very shallow, fibrous root system."

Burying foxtail barley seed three inches can reduce its seed bank in two to three years.

But tillage isn't always an option, especially in minimum- and zero-till systems.

The same is true of pastures. Kerb, an older herbicide, is an option, but since it breaks down quickly in the soil it must be applied late in the fall, just before freeze-up, Gaultier said.

It also needs moisture to activate it, which usually comes with snowmelt and spring rains.

However, Kerb can injure some grasses, she added.

Regar brome, timothy, bluegrass, red fescue and crested wheatgrass have poor Kerb tolerance.

Wheatgrass, meadow foxtail, buffalograss, green needlegrass, tall fescue, smooth brome, creeping and red fescue have intermediate tolerance.

Tall wheatgrass, western wheatgrass, slender wheatgrass, red top, creeping foxtail, orchardgrass, altai wildrye, Russian wildrye, meadow fescue, alkali sacaton have high tolerance.

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## Fall field scouting can highlight diseases

Verticillium and Goss's wilt are both easily spotted near or after harvest

BY ALEXIS STOCKFORD

Co-operator staff

**F**ield scouting doesn't stop with the combine, but it does become more specific, according to Dr. Vikram Bisht, pathologist with Manitoba Agriculture.

"Usually, to scout for soil-borne pathogens is not an easy thing because you have to do a lot of laboratory work, but if you have the pathogens which survive in the crop residue or are easily survivable in the soil, those are the ones that we need to look at," he said.

Goss's wilt is one of those pathogens in corn, according to provincial field crop pathologist, Holly Derksen. The bacterial infection is controlled by fungicide and overwinters in the crop's abundant residue. The wilt commonly appears on field edges and causes shiny grey or tan leaf discolouration and lesions. Lesion edges may appear water soaked or freckled.

Growers may notice prematurely ripe patches, one of the disease's common signs, although Derksen noted that it might be difficult to tell Goss's wilt from natural ripening.

Since 2009, the wilt has spread to all corn-growing areas in Manitoba.



Late-season verticillium in canola appears as black peppering beneath the flaking outer surface of the stem. PHOTO: MANITOBA AGRICULTURE

### Verticillium

Farmers may also want to take a walk through their canola stubble, according to Derksen. Verticillium wilt in canola, a relatively new pathogen, may be misdiagnosed early in the season and may actually be easier to spot in fall, she said.

"That's one thing we often do see shows up later," she said. "It can be hard to differentiate from other issues in canola until the crop is actually drying down or when you look at the stubble on the field."

Producers are often told to look for yellow or brown vertical stripes on the stem when scouting for the soil-borne disease. When infected plants mature, however,

stems will peel, revealing black pepper-like spots in the stem's inner layers. Those spots will continue to develop in stubble after harvest, according to Manitoba Agriculture's *Verticillium In Canola* fact sheet, while infected plants will turn grey black after being cut.

The disease should not be confused with blackleg, which may show similar black speckles on the surface, rather than within the stem, Derksen said.

With no registered fungicides or resistant canola varieties, there are few control options for farmers fighting verticillium. Like diseases such as clubroot, spores can survive up to 10-15 years, although viable fungi will drop without host plants. The province recommends longer rotations and biosecurity, including equipment sanitation and controlled traffic, to stop the spread and limit impact. Finding the disease early can prevent its spread.

Manitoba had North America's first case of verticillium in canola, identified in 2014. It has since spread through the province, although the frequency of infection is unknown, Derksen said.

Another verticillium species is endemic in potatoes, Bisht added.

Like its canola counterpart, the fungus will manifest late season in potatoes and, once in the soil, will be a long-term fight for producers.

Damage, however, will depend largely on crop stress, according to Bisht.

"The problem becomes more serious if the crop is facing water shortage or there's too much heat and, in some cases, (if) the salinity is high, but the pathogen is a weak pathogen on potatoes," he said. "If the crop is growing really well, it does not show up as much. If there's stress on the plants, then it shows up and it is a big problem."

Unlike verticillium in canola, the pathogen will cause early plant death and smaller potatoes, but no other outside sign. Inside the stem, infected plants will brown in the root zone, Bisht said.

### Clubroot

Clubroot, another soil-based concern for canola, may also be scouted in fall, and Derksen recommends using a trowel to find it.

"As the crop ripens, the galls actually begin to decay — so pulling up the plant, you might actually break off the galls and not actually see them, whereas if you dig them up with a trowel, you might be able to keep them more intact and then you'll have a better idea as to what you're dealing with," she said.

Producers are most likely to notice stunted patches that may indicate clubroot

See SCOUTING on page 46 »

## POST-HARVEST MANAGEMENT

**SCOUTING** Continued from page 45

during harvest, Derksen said, particularly in the less travelled field centre.

Identifying clubroot early is critical to stopping its spread. The pathogen has become infamous for its ability to jump fields, often transported by contaminated soil on farm equipment.

The Canola Council of Canada says there is no economical way to remove the disease once it is established and spores may survive for decades without a host crop. Even if canola is never grown on that field again, farmers will be forced to adopt heightened, time-eating biosecurity in order to avoid cross-contaminating uninfected fields.

Eight fields in five municipalities have shown physical clubroot symptoms in Manitoba and 270 have tested positive for spores, although Manitoba Agriculture notes that spore counts generally need to break 100,000 spores per gram of soil before symptoms appear.

### Other pests

Fall scouting prior to harvest can also cover sclerotinia stem rot, fusarium head or stalk blight in corn or white mould in pulses, canola or sunflower, Bisht said.

Meanwhile, potato producers should pay attention to their cull piles.

"A lot of people will throw away their rotten potatoes and put them in a big pile, cull piles they call it," Bisht said. "That is another place you would want to scout because, next year, close to those cull piles — if they are not removed — would be a good source for the leaf blight if the potatoes were infected or it would be a source of soft rot disease."

The province advises farmers to draw a disease map marking general area and severity of any infection about a week before harvest. Those maps can outline problem spots the next time that crop is grown in that field, Manitoba Agriculture says.

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# Turn on the heat?

Whether or not to add supplemental heat to aerated bins depends on a number of variables

**SOURCE: GRAINGUARDIAN.COM**

**I**s adding supplemental heat right for my farm? In the field of natural air drying, the question often comes up as to whether or not adding supplemental heat to a natural air drying system will be beneficial. To answer this question, you must first assess your environmental conditions, as well as, your natural air drying equipment.

If you are dealing with low ambient air temperatures and/or high relative humidity (RH), then yes, adding supplemental heat to your natural air drying system will be of benefit. If you have aeration fans and equipment in place to provide 0.75 to one cfm per bushel, then adding supplemental heat will also be beneficial. Supplemental heaters are commonly available as either electric or gas fired. Depending on the individual producer's needs, either method can produce satisfactory results.

Electric heaters are recommended on smaller bins when just minimal or intermittent heat is required. Gas-fired heaters are useful when larger BTU outputs are required for larger airflow rates. Whatever the case, it is important to closely match fan, heater and bin sizes to produce the optimum airflow and temperature values, for each particular type of grain being dried.

A general rule of thumb when naturally air drying is, the ambient air needs to



Adding heat to aeration bins can be a winning combination, but you need to pay attention to temperature, humidity and equipment capacity. FILE PHOTO

Relative Humidity of Air %	Wheat Equilibrium Moisture Content %		Canola Equilibrium Moisture Content %		Corn Equilibrium Moisture Content %	
	at 25 C (77 F)	at 10 C (50 F)	at 25 C (77 F)	at 10 C (50 F)	at 25 C (77 F)	at 10 C (50 F)
58	12	13	7.5	8.6	12.2	13.5
64	13	14	8.2	9.4	13.0	14.4
70	14	15	9.0	10.3	14.0	15.4
75	15	16	9.8	11.1	15.0	16.4
79	16	17	10.8	12.0	15.8	17.1
83	17	18	12.0	13.2	16.9	18.2
86	18	19	13.4	14.5	17.8	19.0

be a minimum of 10 C, to allow for the drying process to occur. With the help of a low-temperature supplemental heater, you will have the ability to raise ambient air temperature 8 to 12 C with a 60,000- or 100,000-BTU heater and 15 to 35 C with a 200,000-BTU heater.

What this means to the average producer is, that with the smaller BTU out-

put heater you will be able to continue to dry grain until the ambient temperature drops to approximately 0 C and with the 200,000-BTU heater you will be able to dry until the ambient temperature drops to approximately -10 C.

Benefits of adding a low-temperature supplemental heater go beyond just temperature rise. Increasing the

If you are dealing with low ambient air temperatures and/or high relative humidity, then yes, adding supplemental heat to your natural air drying system will be of benefit.

temperature by 10 C also lowers relative humidity (RH) by 50 per cent. Relative humidity plays a vital role in grain drying. By lowering the RH and increasing the temperature inside the bin, the ability of the air to remove moisture from grain is increased. This greatly benefits producers trying to dry grain in high-humidity situations, as a result of adding heat, drying times will be reduced contributing to lower operating costs for the producer.

When drying grain, it is important to pay attention to relative humidity, as well as, the equilibrium moisture content (EMC) of specific crops. The EMC of grain is the minimum moisture content grain will dry to at a given temperature and RH when exposed to those conditions over a period of time. Producers may become frustrated when natural air drying seems to stall out after a period of success.

Continued on next page »



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## POST-HARVEST MANAGEMENT

Continued from previous page

Quite often, this stalled drying process is a result of grain reaching its equilibrium moisture content. In these situations, only with the introduction of supplemental heat (to reduce RH and increase temperature) will the drying process be able to continue. In

the accompanying chart on page 46, you will be able to see the relationship of relative humidity to a temperature in various grains and where the moisture content reaches an equilibrium. You can also see, that by increasing the temperature you will decrease the humidity and allow for more moisture to be removed from the grain.

To be successful with naturally air drying grain, you must monitor weather conditions and conditions within your bin. If you add too much heat to your bin you can overdry grain in the bottom of the bin before the grain at the top of the bin reaches its safe storage condition. Through the use of temperature and moisture cables, a producer is able to track the

drying front as it moves through the bin.

When adding supplemental heat to your system to keep temperatures above 10 C and the humidity low, you can expect to see the removal of up to three-quarters of a per cent of moisture every 24 hours. When taking into consideration all the factors mentioned above such as airflow, air tem-

perature, RH, and EMC, it is possible with supplemental heat to turn poor drying days in the fall into optimum drying conditions.

Successfully applying natural air drying systems on your farm will enable you to start harvest earlier, helping you finish earlier in the season and give you peace of mind that your crop is safely stored.

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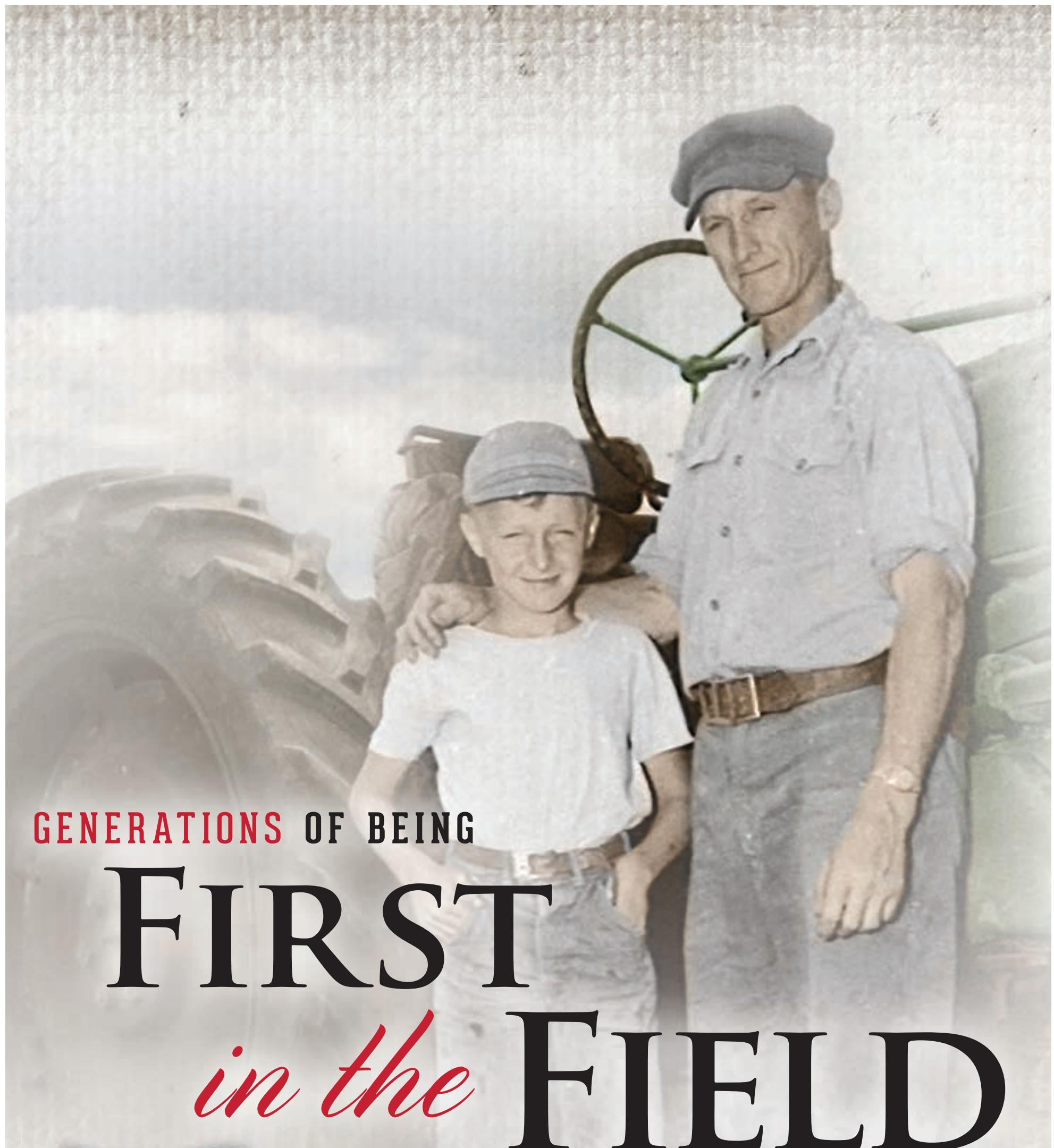


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# Drowning in grains once again

How Big Ag sowed seeds of a profit-slashing glut

BY ROD NICKEL

Reuters/CARMAN

**O**n Canada's fertile Prairies, dominated by the yellows and golds of canola and wheat, summers are too short to grow corn on a major scale.

But Monsanto is working to develop what it hopes will be North America's fastest-maturing corn, allowing farmers to grow more in Western Canada and other inhospitable climates, such as Ukraine.

The seed and chemical giant projects that western Canadian corn plantings could multiply 20 times to 10 million acres by 2025 — adding some 1.1 billion bushels, or nearly three per cent to current global production.

The question, amid historically high supplies and low grain prices, is whether the world really needs more corn.

A global grains glut is now in its fourth year, with supplies bloated by favourable weather, increasingly high-tech farm practices and tougher plant breeds.

The bin-busting harvests of cheap corn, wheat and soybeans are undermining the business models of the world's largest agriculture firms and the farmers who use their products and services. Some analysts say the firms have effectively innovated their way into a stubbornly oversupplied market.

## Time of plenty

Never has the world produced so much more food than can be consumed in one season. World ending stocks of total grains — the leftover supplies before a new harvest — have climbed for four straight years and are poised to reach a record 638 million tonnes in 2016-17, according to USDA data.

Farmers and agriculture firms could once count on periodic bouts of crop-destroying weather to tame gluts and drive up prices. But genetically modified crops that repel plant-chewing insects, withstand lethal chemicals and mature faster have made the trend toward



Monsanto workers Nathalie de Rocquigny (l), Celeste Giesbrecht and Kwok Chu Tom Li (r) test corn for its response to pathogens on Monsanto's research farm near Carman June 20, 2017. PHOTO: REUTERS/ROD NICKEL

oversupply more resistant to traditional boom-and-bust agrarian cycles, experts say.

Another key factor: China — the world's second-biggest corn grower — adopted stockpiling policies a decade ago when crop supplies ran thin, resulting in greater production than the world needs.

"I think the norm is where we are now," said Bryan Agbabian, director of agricultural equities at Allianz Global Investors.

Allianz investors seem to agree: The value of two agriculture equity funds that Agbabian manages fell to \$300 million (all figures U.S. funds) this year from \$800 million in 2011 as crop prices slid, he said.

Abundant supplies have helped lower food prices across the world, but the ben-

efit to consumers and impoverished nations is muted by several factors, including problems with corruption and distribution of food in developing regions, said Sylvain Charlebois, professor of food distribution and policy at Canada's Dalhousie University.

The bumper harvests may actually harm poor communities more than they benefit their residents in food savings because lower prices depress farm incomes in the same areas, said John Baffes, a senior economist at the World Bank.

Even as farmers reap bountiful harvests, U.S. net farm incomes this year will total \$63.4 billion — about half of their earnings in 2013, according to a U.S. Department of Agriculture forecast.

Lower incomes mean farmers cannot spend as much on seed, fertilizer and machinery, extending their pain to firms across the agriculture sector.

PotashCorp of Saskatchewan, the world's biggest fertilizer company by capacity, closed its newest potash mine last year, eliminating more than 400 jobs, and has seen its U.S.-listed shares fall by nearly half since the beginning of 2015. The drop erased \$14 billion in value, and left Potash seeking to merge with rival Agrium.

With profits under pressure, seed and chemical companies are scrambling to consolidate.

Monsanto's annual profit in 2016 was its smallest in six years. It agreed last year to combine with Bayer AG, which would create the world's largest integrated pes-

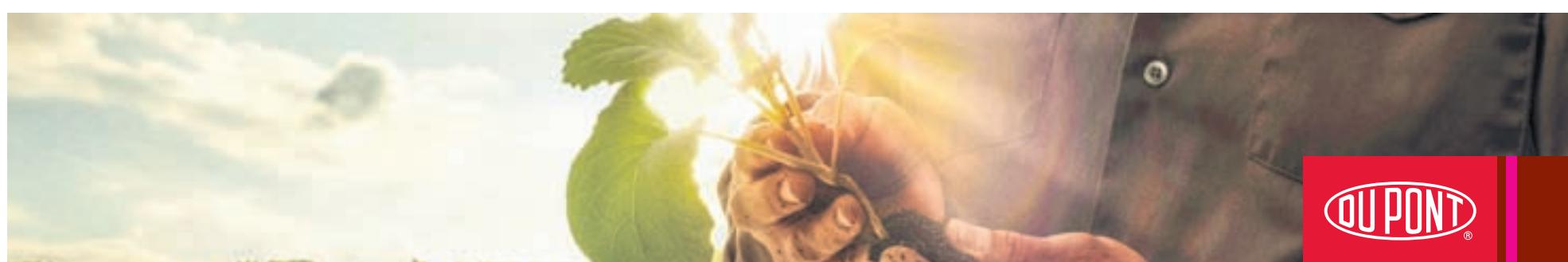
ticide and seed company if the deal closes next year.

Grain handler Bunge said this summer it would cut costs, and left the door open to selling itself after posting a 34 per cent drop in quarterly earnings.

Bunge CEO Soren Schroder sought to reassure investors in May by saying all that was needed to trim supplies was one bad stretch of weather in the U.S. Midwest.

But the glut pervades many major farming regions, making it unlikely that drought or floods in one region could wipe out the mounting global surplus. Even with dry conditions in North America, Europe and Australia, the U.S. Department of Agriculture forecasts that this year will

See GRAINS on page 50 »



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**GRAINS** Continued from page 49

bring the second-biggest global corn, wheat and soybean harvests ever.

Bunge's Schroder made his comment about bad weather less than three weeks before confirming an informal merger approach from commodities giant Glencore.

"When prices tanked, farmers were no longer willing to pay more" for seed and chemicals, said Jonas Osgaard, analyst at investment management firm Bernstein. "The mergers are absolutely driven by oversupply because their growth is gone."

Monsanto spokeswoman Trish Jordan said the company believes demand growth still justifies corn expansion, and she disputed the notion that crop science advances are backfiring on agricultural technology firms.

Monsanto rival DowDuPont is making the same bet and currently sells the shortest-season field corn in North America, maturing in 70 days, spokesman Ali Aziz said.

Success in the lab and the field, however, has contributed to oversupply and may continue to sustain it, said Osgaard, the Bernstein analyst.

"It's somewhat the seed companies' fault — they keep breeding better and better seeds every year," he said.

**Blame Darwin**

Charles Darwin helped plant the seeds of the grain glut. The biologist and evolution theorist showed in the late 1800s that cross-fertiliza-

**"When prices tanked, farmers were no longer willing to pay more" for seed and chemicals. "The mergers are absolutely driven by oversupply because their growth is gone."**

**JONAS OXGAARD**  
Bernstein analyst

tion of plants — in which sex cells are fused between crop varieties of the same species — creates a more vigorous breed than those that are self-fertilized.

His work and others influenced successive generations of crop scientists and led to the development of hybrid corn, said Stephen Moose, a professor specializing in crop genetics at University of Illinois.

U.S. farmers started planting the first significant acres of hybrid corn in the 1930s, and by 1950 it made up nearly all the corn seeded in the United States.

Yields exploded. Farmers who reaped 20.5 bushels of corn per acre in 1930 harvested an average of 38.2 bushels in 1950, according to the U.S. Department of Agriculture.

Further hybrid breeding breakthroughs generated corn with leaves that grow more erect, allowing farmers to sow it more densely without starving plants of sunlight. Yields first topped 100 bushels per acre in 1978.

After conventional breeding breakthroughs became harder to find, corn gained new vigour through the 1990s with genetic modification.

In 1996, U.S. regulators approved corn that was genetically engineered to produce bug-killing proteins, accomplished by inserting a bacterium hostile to the corn borer insect into the plant genome.

Before the end of the 1990s, corn able to resist weed-killing chemical glufosinate or Monsanto's glyphosate hit the market.

Those modified varieties and others that followed proved pivotal in generating the abundant corn crops that have since become commonplace, Moose said.

"In the seed industry, it stimulated a whole other round of investment," Moose said.

In the 20 years since GMO corn reached U.S. farms, yields jumped another 37 per cent to a record 174.6 bushels per acre last year.

Some experts believe the expansion of corn yields may soon hit a ceiling. The crop may be nearing the natural limit of its production potential, and crop yields will likely plateau in the next decade, based on how plants convert light to food and their ability to recover from heat, said Ken Cassman, agronomy professor at University of Nebraska-Lincoln.

Technology has also provided better defences against pests.

Syngenta's Viptera and Duracade traits, used to control worms and beetles, launched in 2010 and 2013. SmartStax corn seed, introduced by Monsanto and Dow in 2009, brought twin benefits of insect protection and herbicide tolerance, said Paul Bertels, vice-president of production and sustainability at U.S.-based National Corn Growers Association.

The breakthroughs in seed and pesticide technologies have not come without problems. Monsanto is now embroiled in a controversy over dicamba, a big-selling chemical designed to kill weeds that harm Monsanto's genetically modified crops.

Many U.S. farmers say dicamba has drifted from its intended fields, damaging plants that are not resistant to the chemical. Monsanto believes the main causes of drifting are errors by farmers and applicators in deploying the herbicide, company spokeswoman Charla Lord said.

**Corn in Alaska**

As it grew stronger, corn grew faster. Corn that required 120 days to mature in the U.S. Corn Belt during the 1960s now needs only 105 to 115 days.

Farmers in northern North Dakota plant and harvest corn in 80 days, and have doubled the state's production in five years.

Fast corn is now stirring even the imaginations of researchers in the Far North.

University of Alaska Fairbanks horticulture professor, Meriam Karlsson grew hundreds of corn plants in the Arctic state in 2015.

The plants, germinated in a greenhouse before they were transplanted outside, grew from a short-season garden corn variety that matured in less than 60 days. Corn rose only four to five feet, allowing plants to spend maximum energy on growing ears, rather than leaves and stalks.

Karlsson had expected few corn plants to survive in Fairbanks — less than 120 miles (190 kilometres) from the Arctic Circle.

"It's much more adaptable than I expected," she said. "Amazing what breeding can do. It was kind of exciting that you could do it."

The lure of technology comes down to money for farmers.

Even with Chicago corn futures down more than 50 per cent from their 2012 record high, the high-yielding crop offers one of the strongest returns to Canadian farmers, generating profits per acre four times that of canola, based on average prices and costs, said National Bank analyst Greg Colman.

As corn spreads across the Canadian Prairies, those robust yields are winning farmers over, said Dan Wright, Monsanto Canada's lead for corn and soybeans.

"Once you harvest corn at 140 or 180 bushels, it's something you want to do again," he said.

See **GRAINS** on page 51»

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**GRAINS** Continued from page 50**Rooted in shortages**

The problems of plenty were on nobody's mind less than a decade ago. In 2008, a dramatic food price run-up stirred riots from Haiti to Egypt.

Four years later, the U.S. Midwest, the engine of the global corn and soybean growing machine, suffered its worst drought in decades, opening gaping cracks in the soil and withering crops.

Chicago corn and soybean futures hit record highs as U.S. production fell to multi-year lows.

But high prices proved the cure for high prices.

Farmers in traditionally less productive corn-growing countries such as Russia, Argentina and Brazil expanded corn output to seize bigger profits.

U.S. farming quickly rebounded, reaping record corn harvests in three of the next four years.

New corn varieties have made global production more balanced than ever, with 12 countries producing at least 10 million tonnes of corn annually, up from 10 before the drought.

Even if U.S. or Brazilian corn crops suffered major weather damage, the world would still have the expanding Black Sea corn region to tap, not to mention China's enormous supplies, said Bertels, of the U.S. corn growers' association.

China's stockpiling policies, enacted in 2007 when corn supplies were tight, also stimulated oversupply. Aiming for self-sufficiency in grains, Beijing bought virtually the entire domestic crop each year and paid farmers as much as 60 per cent more than global prices.

The program stuffed Chinese warehouses with some 250 million tonnes of corn by the time Beijing scrapped it last year. China is now boosting incentives for farmers to switch to soybeans from corn.

"The world's corn is mainly in China," said Li Qiang, chief consultant at Shanghai JC Intelligence Co. Ltd.

He said it will take three to four years for stocks to reach a "normal" level of around 40 million to 50 million tonnes.

The Black Sea region, made up of Russia, Ukraine and Kazakhstan, has become a disruptive force with rapidly expanding exports. Moscow



PHOTO: REUTERS/ZACHARY PRONG

aims to drive grain production to 150 million tonnes by 2030 from 117 million in 2016 after increasing storage and export capacity in ports in the last couple of years.

Glut conditions are expected to ease modestly this year, amid dry conditions in China and the United States, but supplies are still so large that prices remain weak.

**Oversupply of everything**

In northern North Dakota, an expanding frontier for corn and soybeans, Paul Thomas started dabbling in both crops about a decade ago on his farm near Minot, seeking higher returns than wheat.

"I don't know any single crop that isn't in oversupply," he said.

Seeding equipment is becoming more precise, and increasingly cost-conscious farmers are applying fertilizer and chemicals more intelligently, said Al Mussell, head of research at Canadian think-tank Agri-Food Economic Systems.

Monsanto projects that corn will become by the mid-2020s one of the biggest crops produced in Canada, which is an agriculture exporting powerhouse in canola, wheat, oats and pork.

Soybeans are also spreading across Canada. Farmers seeded a record high 7.3 million acres in 2017, up 75 per cent in five years.

On Monsanto's research farm in Carman, the next target is marketing a corn variety that matures in 70 days within the next two years. After that: an even quicker plant to snatch DowDuPont's claim to North America's fastest corn.

It is ambitious but realistic, said Kelly Boddy, manager of Monsanto's research farm.

"Wind the clock back a few years," he said, "and breeders wouldn't have thought it possible."


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\*Source: Bayer DSTs (2016).  
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