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Manitoba Co-OPERATOR

AUGUST 31, 2017

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MANITOBACOOPERATOR.CA

Province may cap drainage funding in Pasquia

Province could pull plug on pumping in The Pas, pushing costs on to producers and municipal government

BY SHANNON VANRAES
Co-operator staff/The Pas

Rod Berezoweki points to a canola field as though he's spotted a unicorn. "That's one of only a couple," explains the reeve and farmer, who represents the Rural Municipality of Kelsey. "Almost nothing was seeded."

See **CAP DRAINAGE** on page 7 »

A new day for grain transportation?

With record port throughput occurring twice in the crop years following the 2013-14 shipping backlog it 'feels' that way

BY ALLAN DAWSON
Co-operator staff

The great grain backlog of 2013-14 was a disaster, costing western Canadian farmers billions, but there's a silver lining: since then, grain movement has never been better.

"I think it really was a wake-up call for a lot of parties, especially governments, and people who aren't necessarily as close to the (grain transportation) issue," Wade Sobkowich, executive director of the Western Grain Elevator Association (WGEA), said in an interview Aug. 23. "The WGEA had been talking about it a long time prior to 2013-14."

Because of the backlog grain companies widened the basis — the difference between port and country grain prices — costing farmers an estimated \$5 billion to \$6.7 billion, estimates University of Saskatchewan agricultural economist Richard Gray.

While the WGEA doesn't agree with Gray's analysis, it does agree farmers and grain companies suffered financially through lost and delayed sales.

Three crop years later Canadian grain terminals handled 35.945 million tonnes, set-



More collaboration and better communication is credited with improving Western Canada's grain-handling and transportation system. One example of better communications occurred last fall when Doug MacDonald, CN Rail's vice-president of bulk (standing top centre), and other CN officials, met with western Canadian farm leaders at the Port of Vancouver. PHOTO: ALLAN DAWSON

ting a new record in the 2016-17 crop year that ended July 31, the Grain Monitor's week 52 report shows. That's the second throughput record in the last three crop years.

And even though the railways failed to meet grain company demand in 2013-14, in the end shipments from bulk terminals at port of 31.1 million tonnes were also record — 15 per cent

higher than the previous record of 26.9 million set in 2012-13, according to the Grain Monitor's statistics.

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DID YOU KNOW?

Soil-borne pests are survivors

New research findings highlight the biosecurity risks of trade and travel

STAFF

Those soil-borne nematodes that attack crops may be able to survive far longer than previously thought, according to a recent study.

Scientists at the New Zealand government research body AgResearch say they've found surviving organisms after more than three years of storage in dry conditions.

In a research paper published in the open access journal *Neobiota* the scientists say the findings give new insight into the biosecurity threats posed by passenger travel and trade between countries.

In the study, soil collected from a native forest and an organic orchard was stored separately in cupboards at room temperature for a period of 36 months.

Samples were then taken at regular intervals to see if any nematodes could be recovered from the soil and, if they could, whether they



Female lesion nematode in white clover roots, having invaded from soil stored for 13 months. PHOTO: LEE T. AALDERS/AGRESEARCH

were able to infect plant hosts.

"In the study we used different methods to detect nematodes — including a water misting technique to draw them out of the soil, and a baiting method — where we grew white clover and ryegrass plants in pots containing a soil sample," wrote the authors.

"One of the organisms we looked at was the root lesion nematode. What we found was that lesion nem-

atodes were able to successfully invade the roots of ryegrass even after 36 months," said AgResearch nematologist Lee Aalders.

This means that given the right conditions, nematodes in soil, which are carried on sea freight, footwear or used machinery, and protected from sun or extreme heat, will survive if they end up near a suitable host plant. This is a result that may not be detected using an extraction test like misting.

READER'S PHOTO



PHOTO: GRACIE CRAYSTON

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BARLEY BONANZA



Rosebank Colony is hard at work harvesting a beautiful barley crop that is estimated to have yielded over 100 bushels an acre. PHOTO: JEANNETTE GREAVES

First NAFTA renegotiating session concludes in a swirl of rumours

There was little concrete coming out of the first round of bargaining

BY ALEX BINKLEY
Co-operator contributor

The first round of NAFTA renegotiations has produced a guarded statement from the three countries and a swirl of rumours about what was discussed and what might emerge in the coming weeks.

Held in Washington in mid-August, the meetings saw trade representatives from Canada, Mexico and the U.S. reopen the trade pact for the first time since its signing in 1994.

The one certainty is negotiators for the three countries will meet again in Mexico Sept. 1 to 5 and then in Canada in late September and back in the United States in October, the statement said. They have a lot of work to do on what issues are to be discussed and in what order.

"Detailed conceptual presentations were made by the United States, Mexico and Canada across the scope of the agreement, and negotiating groups began work to advance text and agreed to provide additional text, comments or alternate proposals during the next two weeks," the statement said. "The scope and volume of proposals during the first round of the negotiation reflects a commit-

ment from all three countries to an ambitious outcome and reaffirms the importance of updating the rules governing the world's largest free trade area. In addition to the negotiations, officials from all three countries continued to engage a wide range of stakeholders, including representatives of the private sector; industry associations; civil society, including labour groups; legislative representatives; and state/provincial officials.

"While a great deal of effort and negotiation will be required in the coming months, Canada, Mexico and the United States are committed to an accelerated and comprehensive negotiation process that will upgrade our agreement and establish 21st-century standards to the benefit of our citizens," the statement said.

Trump wild card

The biggest question remains whether President Trump will allow the negotiators to do their jobs without interfering by pushing his demands on Buy America policies and trade remedies favourable to the U.S. to the point of derailing the talks. No one seems to think he can restrain himself from meddling in the process even to the point of withdrawing from NAFTA.

"Consensus is a long way off, if it's attainable at all."

PETER CLARK
trade specialist

Or as he did days after the meeting by repeating his pledge to tear up the NAFTA agreement. That move could place him in conflict with Congress, which could refuse to cancel the law implementing NAFTA, experts say, which would set up court fights between the various parties including the president, industries, and possibly lawmakers.

Trade observer Peter Clark says the opening session produced no movement last week on any issues. "Consensus is a long way off, if it's attainable at all."

The divide between Canada and Mexico on one side and the U.S. on the other is telling, he said.

"Canada and Mexico believe their objective is to modernize NAFTA. This means building on NAFTA, bringing in 21st-century issues and seeking important overall improvement. The U.S. is treating the talks as a renegotiation – which would eliminate

those parts of NAFTA which the U.S. does not like to rebalance the deal in its favour," said Clark.

"Canada and Mexico want an everybody-wins result, focused on increasing trade and making NAFTA more acceptable to the general population by making it more inclusive and responsive to society's evolving needs."

He said U.S. Trade Representative Robert Lighthizer's "introductory speech made it clear that the Trump administration is mired in an outdated, mercantilist win-lose strategy. This is likely not salable, and pushing it too far could jeopardize the livelihoods of tens of millions of American farmers, ranchers and manufacturers on the cutting edge and their workers. Trust and respect are essential in trade negotiations. It is difficult to muster trust when the one doing the demanding is not prepared to discuss those demands, or consider trade-offs to achieve them. Asking for clarification is not obstructionist. It's what negotiations are about. This is a negotiation, after all. Trust will be difficult to develop as long as negotiations are mired in a swamp of uncertainty. Successful negotiations reflect a balance of rights and obligations. NAFTA is a good example. Lighthizer

is trying to rebalance NAFTA by enhancing U.S. rights and increasing Canadian and Mexican obligations."

"Negotiators will want to get U.S. demands and offers in writing and will be watching carefully for signs of a bait and switch," he said. "Normally one needs to ensure Congress will buy into the deal. In NAFTA 2.0, POTUS is the wild card. Trust cannot flourish if one is always waiting for the next tweet or eruption from the White House."

On the agriculture front, reports indicated the U.S. NAFTA will seek to control biotechnology imports and push for a ban on agricultural export subsidies to set a precedent for future trade deals, according to a source familiar with the renegotiation discussions.

Canada is in favour of opening with the TPP proposals for dealing with unauthorized biotech ingredients in crop shipments. American farm groups want NAFTA countries to mutually accept each other's biotech approvals.

On agricultural export subsidies, the U.S. is pushing for a ban; Mexico is not opposed. Canada, however, would like to maintain the ability to use those subsidies, reports said.



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OPINION/EDITORIAL

Drilling for data



Gord Gilmour
Editor

The recent headline in the tech magazine *Wired* cut straight to the point.

“Data is the new oil of the digital economy,” it proclaimed.

Data is everywhere, it said, an immensely valuable and untapped resource that will drive the digital economy forward just as oil fuelled the industrial economy.

Vast fortunes are available for the taking for those smart and fast enough to exploit it, the article concluded.

For oil that would have meant wildcatters sinking wells. Today, that means mining enormous amounts of data that could potentially be turned into information. Today data is used to maximize profits, ensure smooth delivery of goods and services and to tease out hidden patterns that can reveal opportunities. If something can be reliably measured, goes the thinking, it can surely be improved upon.

By now we've all heard plenty about the promises of Big Data. But for most of us, it's just a catchy buzz phrase we've heard thrown around.

But make no mistake, the trend is already affecting our lives.

Have you ever been on a trip and suddenly found you need to call your credit card company to assure them your card hasn't been stolen? That's an annoying but very real application of Big Data in the real world. Finance companies are using Big Data techniques to monitor transactions in real time and flag suspicious activity. So if you've never been to New York City before, your card might get flagged if it's suddenly being used there.

Most of the popular social media such as Facebook are really just a disguised form of data gathering. The old saying in the tech industry is that if you're not paying for a product “you are the product.” Mark Zuckerberg and company have become extremely wealthy by convincing us we should give them our information and allow them to track our every online move. Other tech titans like Google are similar.

Zuckerberg once made an unvarnished comment to a colleague that later became public. The colleague was asking how Zuckerberg and Facebook had managed to amass such an enormous catalogue of personal information. “People just submitted it. I don't know why. They ‘trust me,’” he wrote, adding an off-colour remark about the intelligence of his users.

A lack of information infrastructure has muted the effect of this trend back on the farm. But it's certainly coming if the hype is to be believed. Large agriculture companies have begun making investments in the data business, with an eye to getting in on the ground floor. They've no guarantee of success. But their interest is a sign of what may be to come.

One of the key problems they all seem to be grappling with is assembling the required data into something large enough to be meaningful, because for Big Data to work there needs to be, well, big data. In this context big is truly enormous. Taking the example of fraud detection a bit further, it relies on sophisticated algorithms that are applied to millions of transactions a day.

Compare that to the average farm and its data stream. The individual data is far from worthless, but it must be combined with more data from other farmers for it to become valuable in the sense *Wired* is talking about.

This leads to the million-dollar question no one has yet answered — who are you going to trust with your data? And if you do, what will you get out of it?

One facet locally is the Enterprise Machine Intelligence and Learning Initiative (EMILI) which earlier this year got a boost in the form of some federal funding. Machine learning is a subfield of computer science that gives the computers the ability to learn without being specifically programmed. It's a type of artificial intelligence that builds computer programs that can change when exposed to new data.

This initiative promises to directly target the agriculture sector and aims to make the province into a world leader in the field. It's a lofty goal, but worth pursuing — and sooner or later it's going to need data to crunch.

Another intriguing model is found south of the international boundary, in the form of the Midwest Big Data Hub, at the University of Illinois, but also involving the University of Michigan, Iowa State, Indiana University and the University of North Dakota. It's a data-collection effort that aims to centralize data on a regional basis for better decision-making in a number of fields, including agriculture.

An example that's closer to home is the data collected from farmers by the crop insurance system that allows farmers to see how crops, management and inputs affect performance locally.

Just what form Big Data in agriculture will take in the future is as yet unknown — but soon a lot of folks are going to be interested in seeing your data.

The challenge facing farmers is figuring out how to manage their collective data in such a way that they capture its value.

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Commodity agriculture's dark 'green' future

BY ALAN GUEBERT

Farm & Food

A generation ago, GMO sounded like the name of a muscle car, a text was what the preacher based his Sunday sermon on, and Facebook was two words that meant face and book.

Now, 25 short years later, genetically modified seeds dominate agriculture, texting has replaced baseball as a national pastime, and Facebook's market value is more than two times the value of Deere, Monsanto, AGCO, and General Motors combined.

If rapid change continues, agriculture will be even more different a generation from now than a generation ago. The big driver behind much of the coming change, however, will likely be necessity.

For example, it's a pretty solid bet that joint public-private action on climate change will move people and industry toward greener fuels wherever possible.

Back on the farm that likely means ethanol, the still controversial biofuel that a recent Iowa State University study noted had “nil impact on reducing carbon emission(s),” faces an increasingly tough future. Ironically, ethanol may not be driven into history by its arch-enemy, Big Oil. Instead, it will go in a small — probably driverless — electric car.

While this change represents but a blip on the international energy scene, it will be an enormous change for farmers. Since nearly 40 per cent of today's U.S. corn crop goes into ethanol production, even the tiniest pebble tossed into that pond causes a big wave.

So, what shore should American ag policy planners be looking toward when, a generation from now, the biofuel industry is hit with a green tide?

In an Aug. 14 opinion piece published online

by *Agri-Pulse*, Tom Dorr, the former undersecretary for rural development and the past CEO of the U.S. Grains Council, urged agriculture to not “continue to consume itself with producing commodity products.”

Instead, he explains, “(A)griculture is changing dramatically and there are substantial new food and agriculture markets being defined in emerging and developing parts of the globe. Why not look ahead and develop policies that help position U.S. agriculture as a value-added market leader?”

Yeah, why not?

Because change isn't what ag policy leaders typically embrace. To prove that point, Dorr notes that the “current conversations regarding the need for incremental (2018) Farm Bill changes” are “disheartening.”

But keeping our ag policies will not change a “world food market (that) has changed,” he continues. The world market “... is demanding high-quality, defined, traceable, and secure food.”

If American agricultural and legislative leaders fail to acknowledge this shift, he writes, “we're doomed to marginal returns and a renewed diminishment of rural America.” That path “reflects an abhorrent lack of responsibility and self-respect within the industry.”

Which is where farmers and ranchers find themselves now: hat in hand, again, waiting for some other farmer's or rancher's misfortune in the hope it will boost prices enough to deliver a profit.

One more generation of this policy drift — new technology or not — should just about empty the countryside for generations to come even as new, food-producing farmers are sidetracked by commodity-focused, not market-focused, farm policy.

Irresponsible, indeed.

The Farm and Food File is published weekly through the U.S. and Canada www.farmandfoodfile.com.

OUR HISTORY: August 2003

In the early 2000s, Monsanto had developed Roundup Ready wheat and had established variety trials in Western Canada, but its proposed licensing attracted strong opposition, as evidenced by this ad in our July 24, 2003 issue. The Canadian Wheat Board had warned that export customers could refuse any wheat contaminated with genetically modified varieties, a concern shared by many farmers. In the same issue we reported that Keystone Agricultural Producers delegates had narrowly defeated a resolution calling for a boycott of Monsanto if it proceeded with commercialization. Some farmers had also expressed concern that Roundup Ready wheat volunteers would be difficult to control in rotation with Roundup Ready canola. Monsanto later withdrew its intention to proceed with commercialization.

At the same meeting, KAP delegates had passed a resolution asking for the provincial and federal governments to develop a plan to support the cattle industry, which was still reeling from the closure of the U.S. border following discovery of a BSE-infected cow in May. It supported the Canadian Cattlemen's Association's call for a \$2-per-day feed subsidy to compensate producers forced to hold cattle longer before marketing. The federal government had taken the first step by requiring that “specified risk materials” — the brain, spinal cord, nervous system tissues and part of the small intestine — be removed before cutting the carcass.



Canada's supply management system for dairy is no longer defensible

It's unfair to consumers and has significant hidden costs when it comes to making trade deals

BY MARTHA HALL FINDLAY
Canada West Foundation

U.S. President Donald Trump has made it clear: Dairy is high on the U.S. agenda for NAFTA. And Canada's Foreign Affairs Minister Chrystia Freeland has also made it clear that this government is committed to protecting supply management.

Three of the top-six milk-producing states in the United States — Wisconsin, Michigan and Pennsylvania — helped hand Mr. Trump his victory in November. Key Republicans hail from the U.S. dairyland, including Paul Ryan. And it's not just Republicans — there is substantial Democratic congressional support for U.S. dairy as well.

But for the North American Free Trade Agreement, our main negotiating challenge is this: The United States has a legitimate complaint. We continue to defend a system, at significant cost to consumers and to other parts of our economy, that is no longer defensible.

Our made-in-Canada cartel, based on high-price fixing, production control and extremely high tariffs, is the sick cow of global agricultural trade. The wealthy and powerful dairy, poultry and egg lobby has been able to engage in behaviour that for everyone else would be illegal.

In recent years Australia, New Zealand — and yes, the United States — have either eliminated or drastically reduced dairy subsidies, and taken advantage of growing global opportunities for their dairy products — leaving Canadian dairy behind to stagnate, limited to our own small market. But what are we protecting? The small number of dairy farmers left in Canada are, on average, multimillionaires. It's not surprising that they want — and spend a lot of money

Our made-in-Canada cartel, based on high-price fixing, production control and extremely high tariffs, is the sick cow of global agricultural trade.

lobbying hard — to keep the system that has made them rich, but which costs consumers and most other parts of our economy. What we need are some politicians with courage.

The evidence for reform is overwhelming. With an appropriate transition plan (which the Canada West Foundation has proposed), liberalization can be a big win for Canada — ironically, for the dairy sector, too. Which means that these NAFTA negotiations offer a tremendous win-win opportunity.

Unfortunately, we still hear politicians repeating the dairy lobby's false and misleading talking points.

But these critical trade negotiations are no place for "alternative facts."

"Canadian prices aren't that high." Nonsense, of course they are — that's why we have tariffs ranging up to 300 per cent.

"We can't compete with the heavily subsidized U.S. dairy producers." Note that this contradicts the first position. But in recent years, the United States has dramatically reduced its own subsidization of dairy — and U.S. dairy is now exporting more and more around the world, leaving us behind.

"The U.S. maintains a large surplus in dairy trade with Canada." Between 2010-16, U.S. exports into Canada of ultrafiltered milk increased tenfold — the Americans developed this new dairy-protein product to be used in

processing butter and cheese, but which was not covered by the high-tariff rules. Canadian processors increased their purchases of the cheaper product from the United States.

Under pressure from the dairy lobby, Canada has reacted, arguably in breach of international trade rules, to displace these cheaper U.S. imports with heavily subsidized pricing of milk for processing, to great hue and cry from the United States. We don't sell to the United States (or Mexico for that matter) by choice — our inflated prices aren't competitive.

"Supply management 'protects' the family farm." Not only is this false, the opposite is true. In Canada, the rate of consolidation has actually been higher — yes, higher — in the supply-managed dairy, poultry and egg sectors, than in most other agricultural sectors. Whereas in the 1970s, there were approximately 145,000 dairy producers, there are now barely more than 9,000.

"Supply management helps 'Canadian agriculture.'" Wrong again. It actually hurts the majority of Canadian farmers, including beef, pork, grain, oilseed and pulse producers, who would benefit from more global trade. Supply management unfairly protects only dairy, poultry and eggs — a mere six per cent of Canadian farmers.

"Without supply management, we'll get U.S. milk produced with growth hormones." The cartel structure has

nothing to do with food safety. Some U.S. dairies do use artificial hormones for their herds — just as, by the way, most Canadian beef producers do. But for the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), Europe insisted that beef coming from Canada be hormone free. Canada could do the same for U.S. milk.

"It is not a government subsidy." Government regulation protects the cartel, ensuring a subsidy that is paid for by all Canadians via artificially high dairy prices. All of the international trade authorities, including the World Trade Organization, have confirmed that it is indeed a subsidy, and a very significant one at that.

"We can't compete with our colder climate." It defies logic to claim that the climate in southern Quebec is different from immediately across the border in New York or Vermont. Most of Wisconsin is farther north than Toronto.

"It doesn't affect Canada's trade negotiations — see how many trade deals we've signed?"

Of course we have signed trade deals, but in protecting supply management we have always had to give on other things. As we engage in these all-important NAFTA negotiations, it is critically important to recognize that every trade negotiation is exactly that — a negotiation, with give and take. What are we willing to sacrifice this time?

NAFTA is a huge win-win opportunity to do what's right domestically and increase our leverage for other issues important to Canada. And the Trudeau government can blame the Americans.

Martha Hall Findlay is president and CEO of the Canada West Foundation. This column first appeared in the Globe and Mail.

NAFTA renegotiation is a failure of education

Trade enhances productivity, improves real wages and grows economies, but not enough people know how or why

BY JUSTIN BEDI
Trade specialist

Renegotiation of the North American Free Trade Agreement has got underway. Canada, Mexico and the United States have begun a complex, time-consuming and difficult process that could change everything — or almost nothing.

For all countries involved, the risk and uncertainty outweigh the potential rewards, because we already had the ultimate reward: free trade.

Only the U.S. wanted to renegotiate NAFTA and President Donald Trump's election campaign clearly brought the reason to light: We have failed to educate the world on the merits of free trade. People just aren't buying it.

Mainstream trade discussion is no longer about economics — it's about politics. Trade enhances productivity, improves real wages and grows economies, but not enough people know how or why.

Trade discourse, and government policy-making, are about one thing: growing exports.

There's been a regression back to the age of mercantilism, where exports are "good" and imports are "bad." This is the attitude of many in the White House.

In truth, imports are just as important to an economy as exports: they provide cheap inputs for value-added manufacturing, access to goods and services we can't produce efficiently (or at all) domestically, and a greater selection of products at lower prices for consumers.

It's discouraging to see influential individuals and world leaders incorrectly use concepts such as current accounts, trade balances, dumping and subsidies as guises to hurt international business and argue for protectionism.

Current account deficits and negative trade balances aren't inherently bad; many countries have consistently had both for decades, including Canada and the U.S., and both are G7 countries at the top of the industrial world.

Dumping and illegal subsidies are legitimate threats to global trade and should be treated as such. However, too often both

We have failed to educate the world on the merits of free trade. People just aren't buying it.

anti-dumping and countervailing duties are applied simultaneously and without sufficient evidence. That was the case when the U.S. applied duties on Canadian softwood lumber earlier this year, even though it has previously been demonstrated that Canadian lumber producers are guilty of neither trade offence.

Ironically, part of why trade discourse has come to this point is the dominance of industry in trade policy. Almost every government is far more likely to listen to the concerns and wishes of industry than those of consumers, and will enact policies to shield their domestic industries against international competition.

Part of this is our fault; industry is well organized and consumers are generally not. There are a few successful consumer groups but they have nowhere near the power of industry groups. And to be honest, as a single individual it's more difficult to get up and push for different trade policies than it is for industry.

If a country reduces tariffs on an import — say avocados — the benefit for one person could be as little as \$10, or perhaps as high as \$100 a year if they purchase many avocados. In contrast, the negative impact on a business from the same tariff reduction could mean thousands or tens of thousands of dollars in lost revenue. Given the math, it's not hard to see why industry is more organized when it comes to trade.

Collectively, protectionist trade policies such as tariffs and quotas have been proven to have a greater effect on consumers than on producers. But individually, it's difficult to conceptualize the benefits of pushing for freer trade when it may only mean a few dollars in savings annually.

NAFTA renegotiations could improve trade in North America through greater regulatory cooperation, improved dispute resolution and the elimination of technical barriers to trade, provided duty-free access is maintained.

However, fixing these issues didn't require drafting an entirely new agreement.

NAFTA is being renegotiated under very questionable terms and certainly not for economic reasons.

International trade, in its simplest terms, is just a commercial transaction between a foreign buyer and a foreign seller.

If more of us thought about trade that way, we wouldn't be spending millions of dollars and hours renegotiating NAFTA. And we could focus on growing trade elsewhere — like within Canada.

Justin Bedi is a trade expert who specializes in international monetary economics. He holds a master's degree in international trade from the University of Saskatchewan's Johnson-Shoyama Graduate School of Public Policy.

FROM PAGE ONE

CROP YEARS

Continued from page 1

Still, 2013-14 saw the largest vessel backlog at West Coast ports since monitoring began in 2000 and the highest average vessel time.

The backlog, which the railways blamed on a record crop and coldest winter in 100 years, got everybody's attention, including Ottawa's.

"It got bad enough that... if there is a turning point that we are experiencing (now), it is because a critical mass got behind change as a result of 2013-14," Sobkowich said.

Lack of capacity

The WGEA, which represents the West's major grain companies, and farm groups all agreed the brutally cold winter was a factor, but argued the backlog was worse than it should have been because the railways lacked residual capacity, and claimed it wouldn't have happened if the rail market was competitive.

Despite finger pointing that sometimes got personal, grain transportation has improved. Railways and shippers agree more collaboration and better communication played a big part.

"It has helped build our understanding at CP of the key elements required to move grain from the producer to the port," John Brooks, CP Rail's senior vice-president and chief marketing officer, said in an interview Aug. 21. "I think we've been able to educate the grain companies a lot too on what are the challenges at the railway and what do we need from them to help them understand so we can do a better job also. And I think because of that discussion and collaboration it has allowed us to manage better and think how we resource coming into the crop year."

Has grain transportation turned a corner? Brooks thinks so.

"There are endless qualifiers, but I think the bottom line is the industry and the supply chain as a whole has done a really good job over the last few years and we're certainly, at CP, anxious to deliver another record year in (20)17-18," Brooks said.

The WGEA is wary.

Sobkowich agreed the current situation "... has that feeling like maybe we have turned the page..." but he then also added it was too soon to tell for sure.

There are lots of unknowns. The railways have been under a microscope since 2013-14 when complaints prompted the federal government to order them to ship a minimum volume of grain weekly or be fined. That was followed by the Fair Rail for Farmers Act, formalizing government intervention.

The government launched a review of the Canada Transportation Act a year early, which led to Bill C-49, the Transportation Modernization Act, currently before Parliament, which the WGEA and farm groups hope subjects the railways to financial penalties if they fail to meet service agreements.

No guarantees

When the spotlight dims will rail performance slip? wonders Sobkowich. What happens when there are increasing volumes of other traffic?

"We need some experience that we are operating in a new era before saying that we are," he said.

Both CP and CN Rail say non-grain business is increasing, but it won't hurt grain shipping.

Meanwhile, the railways are boosting shipping velocity with bigger cars and longer trains. Hauling 134 cars per train instead of the standard 112 adds 20 per cent more capacity, Brooks said. If 268,000- or 263,000-pound-capacity cars are replaced with 286,000-pound-capacity cars that can hold 100 tonnes or more each, that adds a further 30 per cent more capacity.

Proposed changes in the maximum revenue entitlement recognizing each railway's investment in new cars will encourage replacement of the current aging car fleet, say both the major railways.

Last crop year CN Rail, on average, ran 9,500-foot-long trains, Doug MacDonald, CN's vice-president of bulk, said in an email Aug. 22.

CN has also combined two, 100-car trains near ports.

"When practicable, this has improved network fluidity by doubling the volume of grain flowing through each train slot, and improved asset utilization, which put empty hopper cars back in the country faster for the next grain load," MacDonald wrote.

But CN also wants the federal government to invest in infrastructure to improve grain movement at the Port of Vancouver (see sidebar).

CP Rail's Dedicated Train Program (DTP) will account for more than 75 per cent of CP's grain service, the company said in a news release.

"In the 2017-18 crop year CP will look to expand the DTP's power-on component, improving cycle times and efficiency by ensuring locomotive power is available as soon as loaded grain cars are ready to be moved," the release says.

Under the program grain shippers book a train for the shipping season, giving them more certainty and control.

"If they can load them fast and unload them fast they can get more capacity," Brooks said.

CN's innovations include guaranteed car supply contracts, which accounted for about 70 per cent of its grain business in 2016-17.

Another change welcomed by the WGEA is CN's decision to state the number of cars it will provide — 5,500 per week, except in the winter when it falls to 4,000.

"My members have told me for years they sell to rail car capacity," Sobkowich said. "The first question they ask themselves is, can they get the cars? If they are getting inaccurate information on how many cars they should expect, they are selling based on inaccurate information."

"As important as an issue of adding capacity is making sure that we have accurate information on the existing capacity."

Sobkowich hopes the West's grain-handling and transportation system is in a new era, but knows there's no utopia. Natural and human-caused problems never end. And just like with the internet, the more capacity the railways provide, the more grain shippers will seek.

"We are always striving to improve," he said. "You are never there. You are always trying to get there."

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BALING OUT



Getting the bales off the field quickly is the important next step for this hay producer. PHOTO: JEANNETTE GREAVES

New grain system priorities: data collection, infrastructure

BY ALLAN DAWSON

Co-operator staff

The next two big priorities concerning grain movement are data collection and infrastructure, says Wade Sobkowich, executive director of the Western Grain Elevator Association (WGEA).

"Any time you have a supply chain you have a bottleneck somewhere," he said in an interview Aug. 23.

WGEA members welcome the longer trains CN and CP Rail are increasingly running, even though some country elevators don't have the space to load without breaking them up.

"I have never heard a grain company complain about that," Sobkowich said. "They are just happy to get the extra capacity and they will work with it however they can in order to accommodate that longer train."

Both railways note they have invested billions of dollars in making their networks more efficient. In a recap of the 2016-17 crop year CN Rail notes a lot of grain company investment has, and is, being made too.

For example, construction of nine new country elevators was completed in 2015 and 2016, and a further seven new elevators have been announced with completion dates in the coming 18 months.

Work is also underway to boost West Coast terminal capacity, including the Ray-Mont Logistics grain stuffing facility planned for Prince Rupert, a grain export facility at Fraser Surrey Docks on the Fraser River in Greater Vancouver, and G3's proposed loop-track facility on Vancouver's North Shore.



Data collection and infrastructure are the next big priorities for the grain-handling and transportation system, says Western Grain Elevator Association executive director Wade Sobkowich. PHOTO: ALLAN DAWSON

But CN says these investments will create more rail bottlenecks at Vancouver and it wants the federal government to invest money announced for the National Trade Corridor Fund in Vancouver.

"The challenge is that the majority of the traffic moved to the North Shore (where CN handles grain train logistics) is done so at rates that are regulated by the maximum revenue entitlement for grain, or at rates regulated under the CTA (Canadian Transportation Act) interswitching provisions," a CN official said in an email. "Those regulated rates are simply insufficient to cover the significant investments that are required."

The current system for collecting data on moving western Canadian grain, including rail performance, is "light years" ahead of other commodities, Sobkowich said. The federal government pays Quorum Corporation to monitor the grain

pipeline, which it has been doing since 2000. Ottawa also helps fund the Ag Transport Coalition, which includes WGEA members and many farm groups, track weekly car orders and fulfilment, as well as other related data.

But the federal government is proposing a new system to monitor all rail traffic.

"We don't want to lose the data systems we have in place," Sobkowich said.

"It is certainly our objective to keep and further enhance the data that we have in place today through the process that we are expecting to come forward on creating a new data platform for rail service for all industries."

The WGEA maintains the only way to improve system performance is to objectively measure it.

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CAP DRAINAGE

Continued from page 1

While it's not unusual to have wet springs in the region, Berezowecki said the impact of excess moisture this year was unprecedented.

Roughly 25 producers farm an estimated 100,000 acres around The Pas and Opaskwayak Cree Nation, but this year they say excess moisture is the worst it's ever been, estimating 95 per cent of cropland laid fallow this season.

"It's the first time I've ever seen it on this scale," area farmer Gary Herman said. "It was just raining, raining, raining."

Of the few fields that were planted, many then proved too fragile to withstand further deluges, he said, noting crops like winter wheat aren't suitable for the region either.

"You can seed it on some higher areas, but for the most part it's not a viable option," Herman said. "So I would imagine there wouldn't be any fall-seeded stuff, there hasn't been for years up here, so it's all just summerfallow."

According to Manitoba Agricultural Services Corporation, only 5,455 acres were seeded with annual crops in the RM of Kelsey this spring — 10.7 per cent of available acres.

"AgriInsurance provides coverage of up to \$100 per acre if producers are unable to seed due to wet conditions in the spring," said David Koroscil, manager of claim services. "Producers have the option of selecting \$50, \$75 or \$100/acre coverage. There is also a minimum acreage deductible of five per cent for Excess Moisture Insurance claims."

After taking the deductible into account, Koroscil said 43,035 acres were eligible for excess moisture insurance compensation totalling more than \$4 million.

"It was very evident that they've had a whole pile of hurt this year," said Dan Mazier, president of Keystone Agricultural Producers, who toured the region to get a better idea of the challenges being faced by producers near The Pas.

Cost cutting

But if the provincial government has its way, rain may not be producers' biggest worry.

At a meeting of The Pas and District Farmers Co-op, producers gathered to discuss the possibility that funding for the extensive drainage system that keeps land arable could be cut or curtailed as government seeks cost-saving measures.

"It's awful," Herman said. "The government wants to cut back on our funding for operating costs that keep us dry... they are letting us down, bottom line."

Farming in the Rural Municipality of Kelsey is made possible by a type of drainage developed in the Netherlands centuries ago called polder — the Dutch word for reclaimed land. In an effort to expand Canada's areas of agricultural produc-

tion in the postwar period, the federal government's Prairie Farm Rehabilitation Administration hired an engineer from Holland to design the system.

Once designed to be gravity driven, the system now relies on an extensive series of pumping stations, added primarily to compensate for changes in water levels resulting from hydroelectric projects. Area farmers received compensation from Manitoba Hydro in the 1990s and put the payment in trust so interest could help fund drainage into the future.

"The reality is that when this area was developed 65 years ago the understanding was... you as farmers develop the land, we'll look after the water," Herman said. "And so it was up until last fall."

That's when stakeholders were informed Manitoba's Progressive Conservative government plans to hold firm the Pasquia Settlement Area pumping budget at \$450,000 per year. The *Manitoba Co-operator* requested an interview with Infrastructure Minister Ron Schuler, but instead received an email from a department spokesperson who asked the information not be attributed to him.

"Operating the system under the current guidelines is financially unsustainable," reads the email. "Initially, the Pasquia drainage system was designed as a gravity-flow system. Due to a change in the hydrology of the area brought about by the E.B. Campbell Hydroelectric Generating Station (near Nipawin, Saskatchewan) and the Grand Rapids Dam, a pumping system was designed for the area."

The email goes on to note that the Rural Municipality of Kelsey received compensation from Manitoba Hydro for the change in hydrology and that there is an expectation of local cost sharing for future pump operations. As for how much a change in operating rules might save the government, the spokesperson said it was too early to know and that consultations with stakeholders are ongoing.

Wet cycle

Producers gathered in The Pas to discuss the issue said they believe the government is reneging on its past promises. They also said that while it's true that pumping has cost as much as \$1.3 million some years, there are also years when the costs of keeping the area dry are negligible.

"They like to talk about the \$1.3 million, but they don't ever talk about the \$50,000 it costs them in some years... and it's pretty infuriating if you ask me, because we've been in a wet cycle. I think the whole province has been for the last seven or eight years, so some years, we have spent a lot of money, but there was a lot of years where we spent hardly any," said Herman.

During dry cycles in the 1980s, there were some years that the pumps were never used.

Herman would also like the government to consider the

value farmers bring to the area when evaluating the cost of pumping water off the land.

"What we put back into the local and northern economy, and provincial economy as a whole, much, much outweighs what it costs them," he said. "We're talking a few hundred thousand dollars, when we're putting millions back into the economy as producers, so that doesn't make sense to me, not with a provincial Conservative government."

Mazier said that he too didn't "understand the cross-messaging" coming from the province on the issue, noting he has seen a real push

to expand the agricultural industry in other areas of policy.

For its part, the province said it "is still consulting with stakeholders on plans for future pump operations," and noted a public consultation was held on August 22. But the spokesperson didn't indicate if flooding might occur or if some producers might be bought out in the process.

"I think they have been good at providing an audience... are they hearing, are they listening and are they going to act upon it? I think that remains to be seen," Herman said.

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"I think they have been good at providing an audience... are they hearing, are they listening and are they going to act upon it? I think that remains to be seen."

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FESTIVALS

Contact us with your event, dates, location and contact info at news@fbcpublishing.com.

Sept. 8-10: 100th Double B Agricultural Festival, CPTC Grounds, Highway 302, Beausejour. Call 204-205-0723 or visit www.brokenheadag.ca.

September 8-9: Honey, Garlic and Maple Syrup Festival, Manitou Arena and Fairgrounds, Manitou. Call 204-242-2703 or visit www.pembina.ca (click on "Visitors," then "Annual Events").

Sept. 9: Whoop and Hollar Folk Festival, Cottonwood Acres, PR 331, southeast of Portage la Prairie. Visit PortageFolk.com.

Sept. 15-16: Manitoba Fibre Festival, Red River Exhibition Park, 3977 Portage Ave., Winnipeg. Visit manitobafibrefestival.com.

Sept. 15-17: Harvest Moon Festival, Clearwater. Visit www.harvestmoonfestival.ca.

Sept. 22-24: Scarecrow Days, Souris. Visit www.sourismanitoba.com.

Sept. 23: 25th annual Teulon Pumpkinfest, Teulon Rockwood Centennial Centre, 14 Main St., Teulon. Call 204-467-9064 or visit teulonpumpkinfest.com.

Province revamping community development programs

'Single portal' procedure should make applying for funding easier, AMM official says

BY LORRAINE STEVENSON
Co-operator staff

The province has rolled out a simpler way for communities to apply for funding to support community economic development.

Last week Indigenous and Municipal Relations Minister Eileen Clarke said the province is revamping its community development programs and has created a single-application process to apply for funding through programs including Community Places, Community Planning Assistance, Hometown Manitoba, Neighbourhoods Alive! — Community Initiatives, Neighbourhoods Alive! Neighbourhood Renewal Fund, and Partner 4 Growth.

Core funding remains for these programs while the province focuses on "plan-

ning for better outcomes that build better communities or sustain important community efforts," Clarke said in a news release.

Projects funded during the fall intake must be completed by end of March next year.

Joe Masi, executive director of the Association of Manitoba Municipalities says municipal leaders welcome the new "single portal" application process.

"It's going to help ease the application process to some of these smaller programs," he said.

Masi also co-chaired the *Rural Economic Development Strategy*, a draft report released just before the election in 2016, calling for improvements in the way economic development services are delivered in rural areas and citing too much program overlap and duplication.

"This is a good start to what's needed and it'll help."

JOE MASI
AMM

The report's stakeholders also included the Manitoba Chambers of Commerce, the Rural Development Institute, Aboriginal organizations and the Economic Developers Association of Manitoba (EDAM).

Masi said the simpler application process doesn't create the single agency approach they're looking for, but it is one step towards a more rationalized system.

"This is a good start to what's needed and it'll help," he said.

"In the end what we're look-

ing for is kind of that one-stop-shop agency that brings together a lot of business-type programs as well that both municipalities and entrepreneurs can use."

The province says it will continue to review and improve community development programs.

The news release said projects that will be given priority during this fall's intake will be initiatives that improve accessibility, develop green space and active transportation, and provide support for newcomers.

Projects that involve partnerships with two or more community groups and are regional in nature will receive additional priority consideration.

The application deadline for this fall's intake is September 11.

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WHAT'S UP

Please forward your agricultural events to daveb@fbcpublishing.com or call 204-944-5762.

Sept. 12: Prairie Swine Centre group sow housing seminar, 10 a.m. to 4 p.m., Victoria Inn, 1808 Wellington Ave., Winnipeg. For more info or to pre-register contact Ken Engele at ken.engele@usask.ca or 306-667-7439.

Sept. 14: First Aid for Horses Clinic with Dr. Dave Snell, 7-9 p.m., Poco-Razz Farm, 130 Greenview Rd., Winnipeg. For more info or to pre-register (required) visit www.pocorazzfarm.ca?page=12 or call 204-255-4717.

Sept. 15-16: Manitoba Fibre Festival, Red River Exhibition Park, 3977 Portage Ave., Winnipeg. For more info visit manitobafibrefestival.com.

Sept. 17: Manitoba Open Farm Day. For more info or to register your farm (deadline April 28), visit openfarmday.ca.

Sept. 25-28: Agricultural Bioscience International Conference (ABIC 2017), RBC Convention Centre, 375 York Ave., Winnipeg. For more info or to register visit www.abic.ca/abic2017.

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.mbwi.ca/manitoba-rural-womens-day-2017/.

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.mbwi.ca/manitoba-rural-womens-day-2017/.

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.

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New report describes 'three-tiered' food system operating in Canada

A University of Guelph researcher takes a close look at Canada's evolving alternative food market

BY LORRAINE STEVENSON
Co-operator staff

Kelly Hodgins was selling garden produce at a B.C. farmers' market in 2013 when she began noticing something was different about her customers.

There were new faces arriving at the market. The province had introduced a new program making coupons available to lower-income families to shop B.C.'s well-established farmers' markets.

"It was kind of an 'aha moment' for me. All of a sudden we were seeing a new demographic attending the market," said Hodgins.

In her own quest to sell fresh local food it had never occurred to her until then that

"I think that a lot of the problems and barriers that I raise in this research are symptoms of a larger issue in Canada which is food insecurity."

KELLY HODGINS

this was a place some saw as exclusive.

It prompted her to start looking more closely at what dynamics were at play making the alternative food market network accessible to some but not all.

Now program co-ordinator for the Feeding 9 Billion Project at the University of Guelph, Hodgins together with U of G professor, Evan

Fraser have recently released a study titled *We Are A Business, Not A Social Service Agency: Barriers to Widening Access for Low-Income Consumers in Alternative Food Market Spaces*.

Hodgins, who wrote the thesis while earning her master's degree in geography, describes a 'three-tiered' food system evolving over the past two decades in Canada.

It's one that's come to also cater to those she dubs 'have lots,' or those whose incomes give them access to not only the most nutritious and fresh food possible, but because of their relatively well-to-do status can also make choices about how their food is produced.

It tends to be those with higher incomes who shop the alternative food networks of farmers' markets, health food stores, community shared agricultural (CSA) arrangements or food clubs, she said.

"A lot of people able to access the alternative food system are primarily in an upper-income demographic," she said. "They're relatively privileged socio-economically."

That's in stark contrast to those who are 'have nots,' struggling to make ends meet and unable to afford to buy food in ordinary grocery stores. The 'have nots' regularly turn to food banks or other forms of charity or emergency food aid.

The 'haves' are basically everyone else, buying conventionally produced food through regular retail grocery stores.

Hodgins spent several months interviewing those who worked in B.C. farmers' markets as well as independent specialty grocers and others operating food businesses or non-profits specializing in organic, local or sustainable products, asking questions about access and potential barriers to shopping at these sites.

Part of the problem is those operating in the alternative food system don't actually see a problem, she said.

Her study's title was derived from a remark made from one of her respondents. Nearly 80 per cent of those she interviewed told her running a viable farm or profitable business was their primary concern, not who could or couldn't afford to buy from them.

"Which is totally fair," she adds. "I wasn't thinking about that either when I was a vendor at a farmers' market."

Her research also looked at these kinds of producers' livelihood needs, and it showed those who supply the alternative food markets are themselves not necessarily in a high-income bracket either.

It all points to a problem for which there are no easy answers or solutions but one that calls for balancing everyone's needs, and for that new food policy approaches are needed, she said.

Hodgins hopes her research sheds light on what's wrong with both Canada's food and social welfare systems.

"I think that a lot of the problems and barriers that I raise in this research are symptoms of a larger issue in Canada which is food insecurity," she said.

This year's consultations toward developing a national food policy offer a way forward to figuring out a better way than this current system of stratified access to food.

There are now both calls to improve Canada's tattered social safety net as well as for legitimate supports for farmers who serve alternative food markets, such as paying them to produce ecological services, said Hodgins.

"If we want to create a more accessible food system where everyone has access to healthy, nutritious food it gets back to policy change," she said.

"We have an opportunity right now to envision and co-create a system that upholds farmers' livelihoods and consumer food security."

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Cattle Prices

(Friday to Thursday) **Winnipeg** August 25, 2017

SLAUGHTER CATTLE

Steers	—
Heifers	—
D1, 2 Cows	Not available
D3 Cows	this week
Bulls	—

FEEDER CATTLE (Price ranges for feeders refer to top-quality animals only)

Steers	(901+ lbs.)	—
	(801-900 lbs.)	—
	(701-800 lbs.)	—
	(601-700 lbs.)	—
	(501-600 lbs.)	—
	(401-500 lbs.)	—
Heifers	(901+ lbs.)	Not available
	(801-900 lbs.)	this week
	(701-800 lbs.)	—
	(601-700 lbs.)	—
	(501-600 lbs.)	—
	(401-500 lbs.)	—

SLAUGHTER CATTLE (\$/cwt)

		Alberta South	Ontario
Grade A Steers	(1,000+ lbs.)	\$ —	\$ 125.10 - 145.14
Grade A Heifers	(850+ lbs.)	—	117.70 - 140.13
D1, 2 Cows		93.00 - 106.00	61.60 - 86.54
D3 Cows		84.00 - 95.00	61.60 - 86.54
Bulls		—	96.57 - 117.93
Steers	(901+ lbs.)	\$ 167.00 - 179.00	\$ 155.54 - 182.35
	(801-900 lbs.)	175.00 - 193.00	160.83 - 185.07
	(701-800 lbs.)	180.00 - 204.00	158.22 - 206.68
	(601-700 lbs.)	190.00 - 209.00	162.21 - 217.43
	(501-600 lbs.)	195.00 - 215.00	157.64 - 226.82
	(401-500 lbs.)	210.00 - 227.00	160.22 - 220.13
Heifers	(901+ lbs.)	\$ 153.00 - 166.00	\$ 129.45 - 146.32
	(801-900 lbs.)	158.00 - 172.00	147.00 - 165.68
	(701-800 lbs.)	165.00 - 181.00	139.50 - 168.78
	(601-700 lbs.)	165.00 - 189.00	133.71 - 179.48
	(501-600 lbs.)	172.00 - 195.00	137.16 - 187.26
	(401-500 lbs.)	171.00 - 200.00	158.88 - 193.87

Futures (August 25, 2017) in U.S.

Fed Cattle	Close	Change	Feeder Cattle	Close	Change
August 2017	105.95	-118	August 2017	141.60	1.13
October 2017	106.83	0.60	September 2017	142.18	1.45
December 2017	109.80	1.52	October 2017	142.40	1.93
February 2018	112.08	1.48	November 2017	142.48	1.72
April 2018	112.50	1.18	January 2018	139.75	2.07
June 2018	106.58	0.88	March 2018	137.85	2.57

Cattle Slaughter

	Week Ending August 19, 2017	Previous Year
Canada	62,045	60,312
East	12,509	12,204
West	49,536	48,108
Manitoba	NA	NA
U.S.	634,000	602,000

Cattle Grades (Canada)

	Week Ending August 19, 2017	Previous Year
Prime	571	918
AAA	28,917	32,788
AA	21,034	17,890
A	1,062	996
B	1,830	1,121
D	7,435	5,615
E	398	353

Hog Prices

(Friday to Thursday) (\$/100 kg) **Source: Manitoba Agriculture**

MB. (\$/hog)	Current Week	Last Week	Last Year (Index 100)
MB (All wts.) (Fri-Thurs.)	186E	199.54	172.82
MB (Index 100) (Fri-Thurs.)	173E	185.85	159.69
ON (Index 100) (Mon.-Thurs.)	182.65	193.11	156.42
PQ (Index 100) (Mon.-Fri.)	189.90	198.31	159.49

Futures (August 25, 2017) in U.S.

HOGS	Close	Change
October 2017	63.78	66.93
December 2017	59.25	61.80
February 2018	63.90	66.30
April 2018	68.05	69.73
May 2018	73.00	74.30

Other Market Prices

Sheep and Lambs

\$/cwt	Winnipeg Woolled Fats	Toronto	SunGold Specialty Meats
Ewes Choice	—	122.62 - 172.36	—
Lambs (110+ lb.)	—	212.11 - 241.64	—
(95 - 109 lb.)	Next Sale	250.09 - 266.54	—
(80 - 94 lb.)	September 6, 2017	260.27 - 283.86	—
(Under 80 lb.)	—	175.97 - 301.84	—
(New crop)	—	—	—

Chickens

	Winnipeg	Toronto
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

	Winnipeg	Toronto
Minimum prices as of August 27, 2017		
Broiler Turkeys (6.2 kg or under, live weight truck load average)		
Grade A	\$1.930	
Undergrade	\$1.840	
Hen Turkeys (between 6.2 and 8.5 kg liveweight truck load average)		
Grade A	\$1.915	
Undergrade	\$1.815	
Light Tom/Heavy Hen Turkeys (between 8.5 and 10.8 kg liveweight truck load average)		
Grade A	\$1.915	
Undergrade	\$1.815	
Tom Turkeys (10.8 and 13.3 kg, live weight truck load average)		
Grade A	\$1.885	
Undergrade	\$1.800	
Prices are quoted f.o.b. producers premise.		

Eggs

Minimum prices to producers for ungraded eggs, f.o.b. egg grading station, set by the Manitoba Egg Producers Marketing Board effective November 10, 2013.

	New	Previous
A Extra Large	\$2.00	\$2.05
A Large	2.00	2.05
A Medium	1.82	1.87
A Small	1.40	1.45
A Pee Wee	0.3775	0.3775
Nest Run 24 +	1.8910	1.9390
B	0.45	0.45
C	0.15	0.15

Goats

	Winnipeg (Hd Fats)	Toronto (\$/cwt)
Kids	190.00 - 245.00	100.39 - 289.75
Billys	250.00 - 390.00	—
Mature	—	156.43 - 307.74

Horses

	Winnipeg (\$/cwt)	Toronto (\$/cwt)
<1,000 lbs.	—	20.00 - 40.00
1,000 lbs.+	—	28.78 - 54.19

COLUMN

Cattle values soften as markets seek a new low

Retail beef purchases should slow after Labour Day

DAVE SIMS
CNSC



“Americans have been rebuilding their cattle herd for three years and (the herd) has gone up by six per cent.”

HERB LOCK
FarmSense Marketing

The cattle market seems to be carving out a bottom for itself as the summer season winds down. Just over 650 animals made their way through the rings of the few auction marts that were open during the week ended Aug. 25.

Prices were a bit softer than last week, for the most part. Butcher cows and heifers traded \$3-\$5 lower per hundredweight while heifers were \$5 lower. One mart said feeders were taking some losses due to grading issues. A few new-crop calves showed up and yearlings traded strong.

According to Herb Lock of FarmSense Marketing, the market is looking for a new low right now, and some of that bearishness can be traced to the large herd south of the border.

“Americans have been rebuilding their cattle herd for three years and (the herd) has gone up by six per cent,” he said.

The U.S. Cattle on Feed report will only add to the bearish scenario, he added. “Feedlots have been profitable; they’re bullish so they buy feeder cattle.”

Closer to home, Lock noted signs of encouragement. For instance, fat cattle in Western Canada were \$3-\$4 above Nebraska land values during mid-August. “That’s the first time in 12 years we’ve seen that.”

In the fall, he said, prices could find themselves in a range similar to last year.

“Some of these calves are selling for \$25-\$35 (per hundredweight) more today for delivery in

October than they sold for in October last year. So that could mean 125 bucks above last year,” he said.

So far this year the heifer kill has been large on the Prairies and the U.S. cow kill looks like it could be 10 per cent higher on a consistent basis as well, according to Lock.

However, he added, “carcass weights in the U.S. are within striking distance of a year ago... so we have more cattle and bigger cattle, more beef.”

On the consumer front, Lock expects sales to slow down after the Labour Day holiday on Sept. 4.

“After (that) weekend everyone has a different view of spending money on meat so the supply continues to build,” he explained.

The good news is, those supplies should be ready to unload in the new year.

“It’s starting to offer some light for January, February and March,” he said. “We’re going to hurry and put cattle on feed.”

The Prairie barley market is hanging steady, he said, which is good news for growers, but forward delivery is more expensive.

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

BRIEFS

U.S. July feedlot cattle placements smaller than expected

BY THEOPOLIS WATERS

Reuters

Ranchers in July placed 2.7 per cent more cattle in U.S. feedlots than a year ago, the U.S. Department of Agriculture reported on Aug. 25, which fell short of average analysts’ forecasts.

Dwindling profits for feed yards, after being paid less for their cattle by packers, discouraged them from buying calves for fattening on their way to beef processors, said analysts. They said fewer cattle are now winding up in commercial feeding pens after ranchers rushed them to

market earlier than they had planned to avoid lower prices expected in the coming months amid increased supplies.

Cattle that entered feedlots in July could begin arriving at packing plants in early 2018.

Analysts were expecting Chicago Mercantile Exchange live cattle futures to move higher in response to the report’s bullish placement outcome, the analysts said.

USDA’s report showed July placements at 1.615 million head, up from 1.572 million a year earlier and below the average forecast of 1.670 million. Still, it was the largest July placement figure since 1.684 million in 2013.

The government put the feedlot cattle supply as of Aug. 1 at 10.604 million head, up 4.3 per cent

from 10.165 million a year ago. Analysts, on average, forecast a 4.7 per cent increase.

USDA said the number of cattle sold to packers, or marketings, were up 4.1 per cent in July from a year ago, to 1.784 million head.

Analysts had projected a gain of 4.9 per cent from 1.713 million last year.

“Cattle feeders are facing clear losses in the months ahead due to their very heavy placement schedule in the previous eight months,” said Allendale Inc. chief strategist Rich Nelson.

The Denver-based Livestock Marketing Information Center calculated that feedlots in July, on average, made a profit of \$40 per steer (all figures U.S. funds) sold to meat companies versus \$84 the month before.

Looking for results? Check out the market reports from livestock auctions around the province. » PAGE 14

GRAIN MARKETS

COLUMN

Speculation abounds ahead of StatsCan's next outlook

Traders will also be watching Hurricane Harvey's effects

PHIL FRANZ-WARKENTIN
CNSC



The start of harvest operations across Western Canada brought an air of uncertainty to grain and oilseed markets during the week ended Aug. 25, as participants worked to get a better handle on the size and quality of this year's crop after many areas dealt with adverse conditions.

That uncertainty was being felt in ICE Futures Canada canola futures, with the November contract bouncing around in a sideways trading range of about \$490-\$515 per tonne.

Statistics Canada releases its first official survey-based production estimates of the year on Aug. 31, and opinions are very much divided on whether or not the canola crop ended up above or below the 18.4 million tonnes grown in 2016. While average guesses are for similar production on the year, individual opinions range about a million tonnes or more on either side of unchanged.

Old-crop supplies are already thought to be tight, and a StatsCan production number on the lower end of expectations would likely be supportive for prices. However, canola is a crop that has been known to surprise with good yields despite adverse conditions in the past, and a bearish surprise from StatsCan is still a possibility.

World markets are also keeping a close eye on Canadian wheat prospects, with the con-

cerns over the state of this year's U.S. spring wheat crop crossing north of the border as well. There's no argument that Canada's wheat crop will be down from the 31.7 million tonnes grown last year (all wheat including durum), but just how much smaller remains to be seen.

In the U.S., a crop tour of key soybean- and corn-growing regions during the week kept a bit of a cautious tone in both commodities, as yield estimates came in all over the map. Weather forecasts were looking relatively benign for the developing crops during the week, and the good crop prospects had corn testing some its lowest levels of the past year.

Soybean futures remained in a rather narrow range during the week, but soyoil climbed to some of its best levels in a month. The U.S. announced it would be imposing countervailing duties on imports of biodiesel from Indonesia and Argentina due to trade distortions caused by subsidies. The move is expected to effectively shut the door on imports from those two major biodiesel suppliers, which was seen raising the likelihood of increased domestic production of the renewable fuel.

Hurricane Harvey hit Texas and Louisiana over the weekend (Aug. 26-27), bringing excessive rain and severe damage. While the agriculture markets were not seeing an immediate reaction, the after-effects of the storm will be followed closely. Seeding delays for winter wheat are a possibility, while corn and soybeans could be hurt by excessive moisture if the rain moves north.

Phil Franz-Warkentin 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.

Manitoba Elevator Prices

Average quotes as of August 28, 2017 (\$/tonne)

	Future	Basis	Cash
E. Manitoba wheat	239.02	23.77	262.78
W. Manitoba wheat	239.02	8.76	247.78
E. Manitoba canola	500.90	-19.60	481.30
W. Manitoba canola	500.90	-21.95	479.95

Source: pdqinfo.ca

Port Prices

As of Friday, August 25, 2017 (\$/tonne)

	Last Week	Weekly Change
U.S. hard red winter 12% Houston	162.40	-3.67
U.S. spring wheat 14% Portland	277.41	-3.22
Canola Thunder Bay	510.90	-5.80
Canola Vancouver	525.90	-5.80

Closing Futures Prices

As of Thursday, August 24, 2017 (\$/tonne)

	Last Week	Weekly Change
ICE canola	500.00	-6.70
ICE milling wheat	252.00	-6.00
ICE barley	145.00	0.00
Mpls. HRS wheat	239.02	-6.71
Chicago SRW wheat	150.47	-2.39
Kansas City HRW wheat	148.63	-3.67
Corn	133.36	-5.22
Oats	156.43	-8.27
Soybeans	345.03	0.55
Soymeal	326.63	-0.88
Soyoil	763.15	22.05

Cash Prices Winnipeg

As of Friday, August 25, 2017 (\$/tonne)

	Last Week	Weekly Change
Feed wheat	n/a	n/a
Feed barley	146.06	-5.97
Rye	n/a	n/a
Flaxseed	448.01	-13.78
Feed peas	n/a	n/a
Oats	184.15	-2.59
Soybeans	358.62	1.84
Sunflower (NuSun) Fargo, ND (\$U.S./CWT)	17.60	n/a
Sunflower (Confection) Fargo, ND (\$U.S./CWT)	Ask	Ask

Prairie hard red wheat bids down fifth straight week

A loonie topping 80 U.S. cents and weaker U.S. futures drag on cash wheat

BY PHIL FRANZ-WARKENTIN
CNS Canada

Hard red spring wheat bids in Western Canada moved lower for the fifth straight week during the week ended Aug. 25, as declines in U.S. futures and strength in the Canadian dollar weighed on prices.

Depending on the location, average Canada Western Red Spring (CWRS) wheat prices were down \$2-\$5 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 \$248 per tonne in western Manitoba to as high as \$263 in eastern Manitoba.

Average (CWRS) prices ranged from about \$248 per tonne in western Manitoba to as high as \$263 in eastern Manitoba.

Quoted basis levels varied from location to location, but generally improved by about \$2, ranging from about \$9 to \$24 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\$198 to US\$210 per

tonne. That would put the currency-adjusted basis levels at about US\$29-\$41 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 \$36 to \$51 below the futures.

Canada Prairie Spring Red (CPSR) wheat bids posted small gains in most regions, with prices ranging from \$152 to \$163 per tonne.

Average durum prices were steady

to down by as much as \$21 per tonne, with bids in Saskatchewan coming in at about \$286-\$301 per tonne.

The December spring wheat contract in Minneapolis, off of which most CWRS contracts Canada are based, was quoted Aug. 25 at US\$6.6925 per bushel, down 13.25 U.S. cents from the previous week.

Kansas City hard red winter wheat futures, traded in Chicago, are more closely linked to CPSR in Canada. The December K.C. wheat contract was quoted at US\$4.3225 per bushel on Aug. 25, down 10 U.S. cents compared to the previous week.

The September Chicago Board of Trade soft wheat contract settled Aug. 25 at US\$4.3525, down 7.25 U.S. cents on the week.

The Canadian dollar settled Aug. 25 at 80.05 U.S. cents, up by roughly half a cent on the week.

LIVESTOCK

HUSBANDRY — THE SCIENCE, SKILL OR ART OF FARMING

Graze better, not bigger

There's more to grazing than leaving cattle in a single pasture all summer, attendees of the Aug. 14-15 workshop with Dr. Allen Williams heard



Dr. Allen Williams describes the ins and outs of forage management during the Aug. 14-15 grazing workshop in Brandon. PHOTOS: ALEXIS STOCKFORD

BY ALEXIS STOCKFORD
Co-operator staff

When it comes to managing a grazing operation, bigger isn't necessarily better.

That's according to Dr. Allen Williams, a grazing specialist, grass-fed beef advocate, sustainable beef expert and the instructor at a two-day grazing workshop in Brandon Aug. 14-15.

"They have a lot more options than they ever realized that they had in terms of how they can use their land — use every acre — and if you have a lot more options, that also means you have a lot more opportunity for profitability," Williams told about 30 attendees.

"The second thing... is the concept of soil health and that if you start with a foundation of soil health and build that first, everything else that you do... becomes far more profitable and productive."

High-density grazing systems and soil health formed the backbone of the workshop, with topics moving from cover crops and minimal tillage into biodiversity, maximum forage production, forage mixes, economics, and first-hand advice finishing cattle in grass-fed systems.

Michael Thiele, Ducks Unlimited grazing club co-ordinator, said the discussion revolved around basic principles and concepts including how producer management can have a compounding effect.

"Once you start a system going in a positive direction, there's usually compounding, cascading, effects so that you get multiples of changes — things just get better and better and better faster and faster and faster once you get out of the way and let



Workshop attendee Herbert Wegner digs out his own example of forage root depth during the Aug. 14-15 grazing workshop in Brandon.

nature do its job — and then the principle of disruption, so don't do the same thing year after year after year," Thiele said.

High stock density, or "mob" grazing, was once again a key point of discussion.

Proponents claim the tactic mimics the pre-agriculture environment when herds of bison would move in, feed intensely for short periods, then move on again.

Advocates have linked the practice to soil organic matter increases, gains in root growth and positive impacts on soil biology and structure.

Cover crops and perennial forages in grazing have also repeatedly appeared on the grazing club schedule.

Biological foundation

Soil experts have identified soil biology as an emerging topic and soil health conversations now often drift to things like mycorrhizal fungi and micro-organism environment.

For the farmer, however, Williams said most soil knowledge remains chemical, not biological.

"In all fairness to them, that's how they've been trained over the last several decades, just to look at chemistry, but they have a real knowledge gap in terms of biology, how biology works in the system and how powerful biology is — that you can actually, rather than just having the linear responses, you can actually have exponential results," he said.

Quorum Laboratories, one of several labs to begin offering biological soil testing, hopes to help change that.

"What we look at through metagenomics (studying genetics directly from an environmental sample) in the soil is we're looking at it strictly from the biological point of view," David Bartok, Quorum Laboratories CEO and another of the workshop's instructors, said. "Now, that doesn't mean that we look at only biology, but we want to know how the biology interfaces with the chemistry of the soil and how it interacts with the physical part of the soils. Up to this point, all of the test-

Continued on page 13 »

Suits smaller farms

Strategies allow success on existing land base

BY ALEXIS STOCKFORD
Co-operator staff

For family farms that might be feeling the crush of ever-larger neighbours, Williams' message to optimize land use was welcome.

"This is our next step forward to keep the family farm going," Ceri Phillips said.

"It's nice to see that smaller farmers in Manitoba can actually make a good living off smaller acres instead of being a large grain farmer anymore," she added.

Phillips plans to take over her family farm near Birtle. Claire Phillips, who attended along with the future farm owner, says their operation plans to shift to high stock density, holistic grazing in the near future and intends to shrink acres.

"The main focus is going to be a 400-acre block of land and that will be it to see what we can do with it and see what we can achieve and I'm very hopeful," Claire Phillips said.

Doing the math on mob grazing and paddock size

Paddock size is the most common question for producers looking at mob grazing.

The answer, according to grazing workshop instructor Dr. Allen Williams, lies in dividing available forage with per-head feed requirements.

Available dry matter is a function of plant height and density, attendees heard. Plants are measured at sites throughout the field, making sure to include all species in the mix, to find average height. Then, looking from straight above, stand density is estimated. If no bare ground is seen, stand density is considered "excellent," "good" if five per cent is open ground and "poor" if bare soil makes up 10 per cent of the view.

An "excellent" stand will offer 300 pounds of dry matter per acre for every inch of height, a number that falls 100 pounds for every downgrade in density, Williams said. Using that formula, total field forage per acre can be calculated.

Actual available dry matter will be much lower however, Williams said. Under his system, which gives high priority to soil health and maximum forage production, only 50 per cent of available forage should be grazed before livestock are moved.

Once available feed is calculated, ideal stock density can be found and, from there, paddock size.

An animal should eat three to 3.5 per cent of its body weight a day, Williams said, but added that he aims for 3.5 per cent, at least partially to take aging calves into account as they start to graze. Using that figure, feed per head per day can be found.

Dividing available feed per acre with the needed feed per head will then give the stock density, how many head can ideally graze a single acre per day.

The system is not perfect, he noted, but is easily adjusted if the farmer sees forage is too closely cropped (often because livestock are left in the area too long) or grazed in patches, a mark of low stock density.

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Continued from page 12

ing has been done primarily just through chemistry and that doesn't work."

The U.S. lab has gone a step further in biological testing and uses DNA sequencing to mark specific micro-organism types in a soil sample.

The lab can identify soil managed under different systems and hopes to better identify effective combinations to build soil health.

"There's a lot of testing that's done now, we call it biological testing, that gives us a very broad view of the biology and it's a good test," Bartok said. "It tells us that we have some biology and it'll classify it a little bit. It really doesn't tell us if it's good biology or if it's bad biology. The testing that we're doing through metagenomics, and we're doing this with bacteria and fungi primarily, is we want to quantify and qualify the microbes in the soil."

"They have a lot more options than they ever realized that they had in terms of how they can use their land — use every acre — and if you have a lot more options, that also means you have a lot more opportunity for profitability."

DR. ALLEN WILLIAMS

The Manitoba Forage and Grassland Association submitted samples to Quorum Laboratories this year from a site north of Brandon.

"It's another level of precision," Thiele said. "The current testing doesn't tell you much about specific functional groups of bacteria and that's what this (does). I think this is kind of the future of soil testing for biology."

A recent soil health workshop, hosted by the Manitoba Beef and Forage Initiative and taught by Marla Riekman and John Heard, also explored biological soil testing.

There have been some problems translating test results into management recommendations in Manitoba, Riekman said, although she hopes to better tailor the process by getting local producers to compare test results later this year.

Bartok said some metagenomic analysis has been aimed at Prairie soils and he is currently working on more, although specific recommendations are "very difficult for us to do."

"We often hear from agronomists or fertilizer companies. They'll say, 'Well yes, you have a lot of nutrients in the soil, but they're not available to the plant,' and I agree. You're right, but why are they not available to the plant? That is because the biology that carried on the nutrient cycling that happened for millions of years, we have stopped that nutrient cycling," he said.

Tests are becoming more relevant as more data is collected, he added.

Harvesting hay

In what may seem as surprising advice from a forage advocate, Williams told attend-

ees to avoid having a designated hayfield, telling them to instead harvest excess forage from fields where grazing is also incorporated.

Machines often cut stands too low, he said, hindering root system growth. If a designated hayfield is necessary, (for example, if hay is grown as a cash crop), Williams advised farmers to cut higher off the ground.

Advising farmers to do away with hayfields may appear ill suited for Canada, where longer winters require more winter feed. Williams, however, was unconcerned, although he noted that farmers overstocking their pasture might hit a feed shortage.

"If you're grazing properly, you are going to significantly increase your forage biomass production and therefore, if you're not adding a lot more livestock and you're keeping your livestock numbers constant, you're going to have a lot more excess forage and you're not going to have a problem producing enough forage for the winter months," he said.

Producers will also need less feed as land management extends active grazing further into spring and fall, he added.



Grazing workshop attendees hit the field to get a first-hand look at high stock density grazing north of Brandon. PHOTO: ALEXIS STOCKFORD

Monoculture alfalfa also took a hit from Williams, who argued that even cash crop forages could be diversified.

"If you have the complexity and the diversity, then you're

going to automatically have greater soil health and better productivity out of the soil and the cost of producing that hay is going to be cheaper and you're going to produce more

total biomass of that hay and, if it's the same feed quality, then there's no problem selling that hay," he said.

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Weight Category	Ashern	Gladstone	Grunthal	Heartland Brandon	Heartland Virden	Killarney	Ste. Rose	Winnipeg
Feeder Steers	NO SALE	NO SALE	NO SALE	n/a	23-Aug	NO SALE	NO SALE	25-Aug
No. on offer	closed for	closed for	next sale 29-Aug	n/a	367*	closed for	next sale 30-Aug	75
Over 1,000 lbs.	summer	summer	n/a	n/a	n/a	summer	n/a	145.00-158.00
900-1,000	n/a	n/a	n/a	n/a	169.00-181.00	n/a	n/a	150.00-168.00
800-900	n/a	n/a	n/a	n/a	178.00-190.00	n/a	n/a	168.00-193.00
700-800	n/a	n/a	n/a	n/a	184.00-202.00	n/a	n/a	185.00-203.00
600-700	n/a	n/a	n/a	n/a	194.00-215.00	n/a	n/a	190.00-205.00
500-600	n/a	n/a	n/a	n/a	205.00-221.00	n/a	n/a	200.00-217.00
400-500	n/a	n/a	n/a	n/a	210.00-230.00	n/a	n/a	200.00-225.00
300-400	n/a	n/a	n/a	n/a	n/a	n/a	n/a	205.00-237.00
Feeder heifers								
900-1,000 lbs.	n/a	n/a	n/a	n/a	150.00-167.00	n/a	n/a	135.00-157.00
800-900	n/a	n/a	n/a	n/a	164.00-174.00	n/a	n/a	145.00-168.00
700-800	n/a	n/a	n/a	n/a	172.00-184.00	n/a	n/a	152.00-177.00
600-700	n/a	n/a	n/a	n/a	177.00-189.00	n/a	n/a	158.00-185.00
500-600	n/a	n/a	n/a	n/a	178.00-190.00	n/a	n/a	165.00-190.00
400-500	n/a	n/a	n/a	n/a	185.00-207.00	n/a	n/a	170.00-195.00
300-400	n/a	n/a	n/a	n/a	n/a	n/a	n/a	175.00-205.00
Slaughter Market								
No. on offer	n/a	n/a	n/a	n/a	n/a	n/a	n/a	205
D1-D2 Cows	n/a	n/a	n/a	n/a	92.00-99.00 (101.00)	n/a	n/a	92.00-97.00
D3-D5 Cows	n/a	n/a	n/a	n/a	90.00-96.00	n/a	n/a	80.00-87.00
Age Verified	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Good Bulls	n/a	n/a	n/a	n/a	110.00-119.00	n/a	n/a	102.00-109.00
Butcher Steers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Butcher Heifers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Feeder Cows	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00-116.00
Fleshy Export Cows	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lean Export Cows	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Heiferettes	n/a	n/a	n/a	n/a	98.00-130.00	n/a	n/a	n/a

* 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.)

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SPACE & MATERIAL DEADLINE:
Friday, September 15th

Rooftop hives educating college

Red River College continues to grow its urban apiaries with sweet results



Chris Kirouac of Beeproject Apiaries demonstrates honey extraction at Red River College. PHOTO: SUPPLIED

BY SHANNON VANRAES
Co-operator staff

It's all about the honey — sort of.

Red River College has expanded its urban beekeeping project in partnership with Beeproject Apiaries, adding three new rooftop beehives on the school's Notre Dame Campus. But Beeproject founder Chris Kirouac said the expansion is about far more than honey production.

"The honey is really a secondary bonus from the project," the beekeeper explained, noting pollinators need help from urban populations to stay healthy. About 80 per cent of the Canadian population now live in cities, but Kirouac said that doesn't mean they don't have a role to play in pollinator health.

"We need to educate the public, the purchasing power and voting power in cities is enormous," he said. "So we're interested in promoting Canadian food security and this is one way to engage citizens of the city. When they see or hear about beehives in the city they are much more likely to ask questions, to think about

"Forget the 100-mile diet, this is the 100-foot diet."

SARA MACARTHUR

things they can do to aid with the survival of those creatures."

The college's manager of sustainability, Sara MacArthur, said the school's six hives promote biodiversity and have piqued the interest of staff and students alike.

"A lot of our staff have been interested in visiting the bees and learning about the work they do," MacArthur said. "Having the hives on our rooftops downtown and at the Notre Dame Campus encourages that kind of accessible learning about what bees do for the environment and the benefits to creating a natural product on campus."

Honey was extracted from the hives last week, which are expected to produce about 150 kilograms of the sweet stuff. After processing, the honey will go to Red River College's Culinary Arts program where it will be used by students or sold at the

school's second annual farmers' market on Sept. 15.

"We hope staff and students who purchase our 'campus-made' honey may stop and think for a second about how amazing it is that this delicious product was made right here," MacArthur said. "Forget the 100-mile diet, this is the 100-foot diet."

Students and staff were also invited to vote on a name for the honey produced on the Notre Dame Campus, finally deciding on "Creekside Honey" in reference to Omand's Creek, which traverses the edge of the campus before flowing through Brookside Cemetery.

MacArthur said the creek's banks are home to a variety of wild plants, flowers and wildlife, and are likely a popular place for the school's bees to collect pollen.

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WEATHER VANE

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

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Temperatures overall remaining warm

Issued: Monday, August 28, 2017 · Covering: August 30 – September 6, 2017

DANIEL BEZTE

Weather Vane



Last week's forecast quickly fell apart as two small but significant upper lows travelled across our region. The second of these upper lows moved through last Wednesday and brought with it some very cool temperatures. By Thursday morning temperatures in some localities dropped very close to the freezing point, giving us the first taste of fall. We did see the expected weak system move through on Saturday, but it wasn't followed by cooler temperatures as warm high pressure moved in to begin the week.

This area of warm high pressure will slowly drift off to the east as the week progresses, keeping us in mainly sunny skies with warm daytime highs and cool overnight lows. Expect daytime highs to continue to be in the upper 20s, with overnight lows in the high single digits to low teens. By Thursday we will see an increase in winds from the west or southwest as an area of low pressure begins to bump up against the high. This low will bring some clouds along with the odd shower or thundershower late Friday. Things should clear out fairly

quickly on Saturday as weak high pressure builds in.

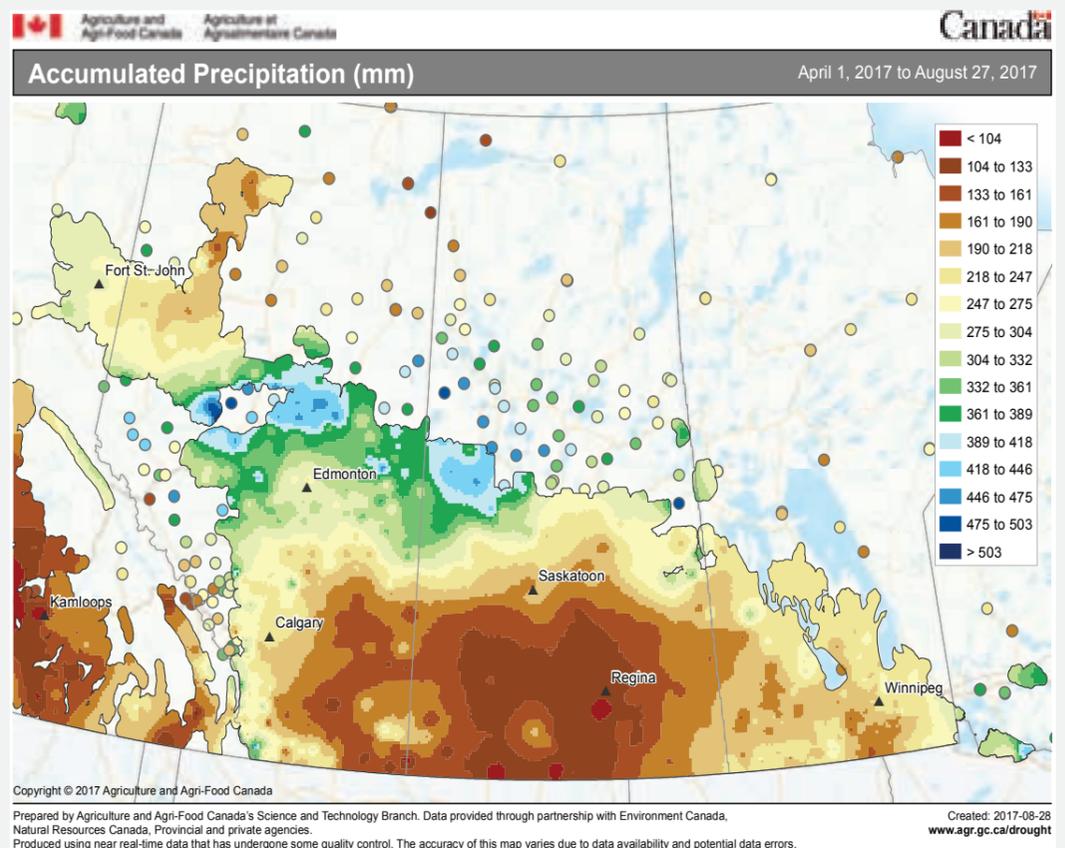
The overall flow over our region for the long weekend will be out of the northwest. This will help to drop the temperatures down a bit, with daytime highs on Saturday and Sunday expected to be in the low to mid-20s and overnight lows in the 5 to 10 C range. The only fly in the ointment over the long weekend looks to be on Monday, as the weather models show a small system tracking along the international border. Confidence in this system is low, but if it does materialize, expect clouds along with the odd light shower during the day on Monday.

High pressure is then forecast to build back in next Tuesday and Wednesday, bringing a return to sunshine and light winds. Temperatures will start off on the cool side but will slowly warm up as the week progresses. Some of the weather models show a return of very warm temperatures late next week and into the weekend, but as usual, we will have to wait and see if they are correct.

Usual temperature range for this period: Highs, 17 to 27 C; lows, 5 to 14 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



This issue's map shows the total amount of precipitation that has fallen across the Prairies so far this growing season (April 1 to Aug. 27). You can see just how dry it has been this year across the southern and central Prairies. A large part of this region has seen less than 250 mm over this five-month period, with large parts of Saskatchewan and southwestern Alberta seeing less than 200 mm. The only "wet" area is in northwestern Saskatchewan and north-central Alberta, where precipitation amounts are in the 400-500 mm range.

Putting Texas's rains into perspective

Stalled at the coast, Harvey is tapping into Gulf moisture and pumping it inland

BY DANIEL BEZTE
Co-operator contributor

As fairly quiet weather continues across the Prairies, the big weather story of the last week or two has been Hurricane Harvey, which came ashore in Texas late Aug. 26. Harvey rapidly strengthened in the 12 hours leading up to landfall and came ashore as a borderline Category 4 hurricane, with top winds of 210 km/h. It wasn't the winds that ended up being the problem with this system, but rather the rains.

Hurricanes and tropical storms typically bring with them copious amounts of rain. Totals will often be in the 100-200 mm range, with amounts sometimes pushing into the 300-400 mm range. What helps to determine just how much rain will fall is the speed with which the system moves through. Typically, these systems pick up speed as they travel northward and get picked up by the mid-latitude westerlies. This helps to limit just how much rain can fall on any given area. This didn't happen with Harvey.

Instead of picking up speed as Harvey moved inland, the mid- and upper-level steering currents around Harvey

Computer models, which have been doing a very good job predicting rainfall totals so far, show some regions may see as much as 1,250 mm of rain.

collapsed, which essentially caused Harvey to stop moving. This set up the perfect conditions for a major history-making rain event to develop over southern and eastern Texas. With Harvey stalled out right near the coast it was still able to tap into huge amounts of moisture over the Gulf of Mexico and pump it inland. As I write this early on Aug. 28, Harvey is still spinning away over Texas and is expected to continue producing rain until at least Aug. 30 before finally moving out of the region. Computer models, which have been doing a very good job predicting rainfall totals so far, show some regions may see as much as 1,250 mm of rain. That's right, 1.25 metres of rain. If this does happen it will beat the U.S. record of 1,220 mm of rain that fell from Tropical Storm Amelia in 1978.

Table 1 and 2 show some of the rainfall totals measured over the Saturday and Sunday time period around the Houston

region which, so far, has been the hardest-hit area.

To put these values into some kind of perspective, total yearly rainfall for Winnipeg is, on average, about 500 mm; for Calgary it is around 400 mm. The largest single rain event that I know of was the 325 mm of rain that fell on High River, Alta. over a 48-hour period in June 2013. This was part of the historic flooding that occurred across parts of southern Alberta that year. Trying to dig out multi-day rain events is tough to do, so here in Table 3 you'll see a list of single-day record rainfalls for the main centres I use across the Prairies, followed by the largest monthly total rainfalls ever recorded.

From this you can see we really have no idea just how much rain is falling across Texas from Harvey. There are places that are receiving, in one 24-hour period, three times more rain than we have seen in a record-wet month.

TABLE 1: RAINFALL AROUND HOUSTON, OFFICIAL NOAA/NWS/SPC SITES

(two-day totals, in millimetres)

Dayton (0.2 miles east)	697
Santa Fe (0.7 miles south)	696
Dixie Farm Road	680
First Colony (four miles WSW)	630
South Houston (four miles SSW)	623

TABLE 2: FROM PERSONAL WEATHER STATIONS AROUND HOUSTON

(in millimetres)

	TOTAL	SUNDAY	SATURDAY
Baytown (Country Club Oaks)	937.5	733.3	204.2
Dayton (Winter Valley)	857.0	701.5	155.5
La Porte (Westend La Porte/SJJC)	797.6	538.0	259.6
Seabrook (Baybrook)	794.5	584.5	210.0
League City (South League City)	788.9	523.2	265.7

TABLE 3: DAILY AND MONTHLY PRAIRIE RAINFALL RECORDS

(in millimetres)

	SINGLE DAY	DATE	SINGLE MONTH	MONTH
Calgary	95.3	July 15, 1927	247.6	June 2005
Edmonton	75.6	July 3, 1990	204.6	July 1982
Peace River	53.0	May 4, 2000	137.4	July 1964
Saskatoon	96.6	June 1, 1892	186.5	June 1942
Regina	160.3	June 15, 1887	212.1	July 1901
Dauphin	100.0	June 18, 1956	226.7	June 1944
Brandon	102.9	June 2, 1953	225.0	June 2005
Winnipeg	83.8	Aug. 11, 1962	255.7	June 1901

CROPS

HUSBANDRY — THE SCIENCE, SKILL OR ART OF FARMING



Cold tolerance and disease resistance in corn tested

Trials at Carberry's Canada-Manitoba Crop Diversification Centre are putting corn hybrids to the test under Manitoba conditions

BY ALEXIS STOCKFORD
Co-operator staff

New corn genetics are targeting cold tolerance and Goss's wilt resistance at Carberry's Canada-Manitoba Crop Diversification Centre.

The site's field trials this year include three corn nurseries, part of a five-year hybridization program which involves the province, Agriculture and Agri-Food Canada, the Manitoba Corn Growers Association and the University of Manitoba.

"The fundamental thing is to establish a nursery, corn nursery, which really has those genotypes which are responsive to Manitoba environment(s)," Nasir Javed, University of Manitoba researcher, said.

The program ties into work from Lana Reid, Agriculture and Agri-Food Canada's sole corn breeder. Genetic lines are developed by Reid before being evaluated in the field in locations like the one in Carberry. Those lines with desired traits are then moved through to the next stage of variety development.

"Most of our work for Manitoba is getting things at an early enough maturity and then Goss's (wilt) would be the big disease," Reid said. "We also work on other diseases. Not all of them are a big issue yet in Manitoba, although I expect with expanding corn acreage, they might be."

Gibberella ear rot, which leads to toxic contamination of grain, is among those secondary diseases.

Another project hopes to cross early-maturing, but short, Cana-Maize genetics with taller, late-maturing varieties.

The big chill

Last year, 15 genetic lines were put to the test after their parent lines showed promising germination at lower temperatures. Those lines were compared to five check plots of conventional corn varieties.

Javed's team measured daily emergence percentage after seeding, weekly plant height and weekly leaf counts.



Dr. Nasir Javed of the University of Manitoba presents first-year findings from the cold-tolerance corn nursery at Carberry's Canada-Manitoba Crop Diversification Centre during an Aug. 16 field day. PHOTOS: ALEXIS STOCKFORD

The trial found that early growth was not correlated to yield, although time to tasselling and silking was.

Two hybrids showed equal or better yields than the check plots.

"That is the first year's finding, but this is the second year and we will continue testing newer and newer hybrids and probably (those) hybrids as well to see if the trend continues," Javed said.

Goss's wilt

The Goss's wilt nursery hopes to solve a growing problem in Manitoba. Since being identified in the province in 2009, Manitoba Agriculture crop pathologist Holly Derksen now says the disease has spread to all corn-growing areas in Manitoba.

The bacterial infection cannot be treated with fungicide, causes leaf discoloration and potential yield loss and spreads through corn's ample and already difficult-to-manage residue.

Reid said she was excited to see the disease-screening nursery included this year. The Carberry



Field tour attendees walk through the first public Goss's wilt screening nursery during an Aug. 16 field day at Carberry.

nursery is the first public foray into Goss's wilt resistance, although DuPont previously ran three years of screening with co-operation from Reid.

"We needed to expand the number of lines we could do, so one of the projects was to get an actual, public, nursery," she said.

First-year results gave variable

resistance to the disease, with some plants showing healthy new growth after exposure while others showed systematic infection.

"What we're seeing is that those genotypes which had resistance to other diseases, say, leaf rust and the corn leaf blight resistance, we

See **CORN TESTED** on page 18 »

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CORN TESTED

Continued from page 17

picked those and crossed them and tested them against Goss's wilt and they are showing resistance to Goss's wilt, so there are probably common gene families which are responding to these blights," Javed said.

The Goss's wilt nursery observed each line's response to disease exposure but did not include molecular study.

Made for Manitoba

The two specialized nurseries echo Manitoba's main breeding concerns, Lori-Ann Kaminski, research manager with the Manitoba Corn Growers Association, said. The association hopes to see corn spread west and north of its current growing areas.

Goss's wilt, in particular, has been a largely Manitoba-specific concern.

"It has occurred in the States, but it hasn't been an issue for Ontario growers yet, so that's one of the reasons why it's important to have it here," Kaminski said. "On the cold-tolerance aspect of it, we know that all companies are working on lines and breeding for cold, but we also wonder about the interaction of cold tolerance and disease resistance."

The Carberry trials have yielded several promising lines for future research and breeding, Reid said, although that does not mean that a new hybrid is around the corner.

The public corn breeder develops inbred and hybrid lines for particular traits, but those lines must then be incorporated by commercial companies.

"We can start to anticipate whether new stuff that Lana discovers will be important in those hybrids and companies are paying attention to the kinds of things that she's developing as well as what they're developing along the way," Kaminski said.

Kaminski estimates it may take eight to 10 years to develop a commercial variety.

According to Reid, that number is closer to 10-15 years under conventional breeding, counting test time by companies before a variety is released, although that timeline is shortened considerably with new double haploid technology.

Most lines tested in Manitoba have been developed using the new technology, according to Reid.

"Any of the lines that are doing well will be further tested in a year or so," she said. "It depends. There's a mix of lines. Some of them are ready for release now. Some of them have a few more years before they'll have enough data to release them."

Most of the lines on display are also hybridized in yield trials across Manitoba, Reid added.

Both Reid and Kaminski say they hope both cold-tolerance and Goss's wilt nurseries continue, although the project's future has been thrown up in the air with the end of Growing Forward 2 funding.

Reid says she has applied to renew the corn nursery project through the next agriculture policy framework, Growing Forward 2's successor.

"I have high hopes that it will be funded and Manitoba Corn (Growers Association) has high hopes that it will be funded and if it is, for sure, all of that work will continue for another five years, starting in March 2018," she said.

Researchers defining phosphorus movement in Ontario soils

Drainage monitoring will help soil scientists understand how

BY JOHN GREIG
Glacier FarmMedia

Three short huts with solar panels on them sprout in Bob McIntosh's wheat field near St. Marys, Ont.

Inside the huts are monitoring equipment that goes right to the tiles that systematically move water from his farm. His farm is one of six across the province with the monitoring equipment, so that University of Waterloo researchers can study how water, and especially phosphorus in it, flow off farms.

"We're trying to capture the natural variability in the Ontario landscape," says Dr. Janina Plach, who is doing post-doctoral research at the University of Waterloo.

It also shows that a significant portion of phosphorus is lost in the non-growing season.

"That's really a knowledge gap right now, understanding how phosphorus is leaving our soil in Ontario during that non-growing season."

Algal blooms in shallow and warm Lake Erie have been partially blamed on agricultural phosphorus use.

The University of Waterloo research, led by Dr. Merrin Macrae, is showing that there's a lot to know yet about phosphorus movement in different types of soils, before specific best management practices for regions are developed.

The long-term work is showing that phosphorus appears to move off of farms in different ways than it does in Ohio, the main American farm-region contributor to phosphorus load in Lake Erie.

"In Ontario we're seeing that the phosphorus losses in Ontario are lower than Ohio and we're losing our phosphorus in the tile drains in a particulate form. In Ohio, we're seeing higher levels of phosphorus in the tile drains and it is mainly in a soluble reactive form," says Plach.

Plach says the differences could be related to management, soil texture or geochemistry, and the research going forward will help determine why there are differences.

However, Plach says that farms that use the 4Rs strategy, which certifies agronomists to help advise their customers in order to place nutrients in the right source at the right rate, right time and in the right place, is a best management prac-



Bob McIntosh has been using no-till planting on his farm in Ontario for 27 years. PHOTOS: JOHN GREIG



Kevin McKague, an OMAFRA water quality engineer, says surface runoff has a much higher concentration of nutrients than tile-drained water.

"We're trying to capture the natural variability in the Ontario landscape."

DR. JANINA PLACH
University of Waterloo

Hickenbottom drain. The berm overflows a couple of times per year, says McIntosh and that flow is managed along a grassed waterway and through culverts near the house, to the roadside ditches.

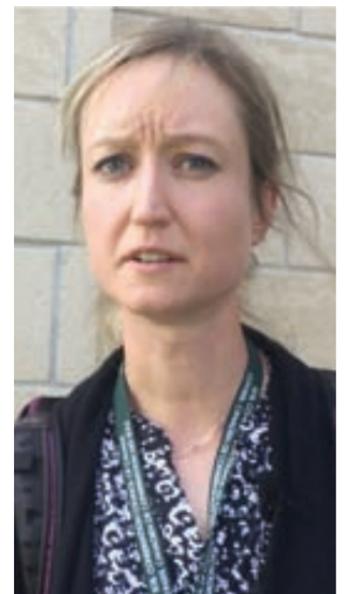
Farm field edges are where nutrients leave where they are most needed and run into the rest of the environment, so it is important to know what levels are being moved off of the fields.

Once the equipment is installed, McKague says they can work with the landowner to try different production practices on the fields and assess their nutrient movement impact.

"They could plant a cover crop and see if it results in less soil loss or in reduced phosphorus loads," he says, adding that the challenge of doing research in real-world situations is that the rainfall events needed to create measurable outcomes don't always happen.

"You may not get the rains that can generate the run-off in the first place."

McKague is looking at the difference between what flows off the field on the surface and what leaves the field via tile drainage.



Janina Plach is working on research to determine how phosphorus moves off farms.

"We find a good percentage of water leaving the field, in the ones we monitor, maybe 60 to 80 per cent leaves through the tile drains. The other 20 to 40 is overland," he says. "The other factor is the quality of the water that is leaving."

Water leaving over the land has a much higher concentration of sediments, compared to tile drains. When you look at loads to the Great Lakes, that means that the impact is split about 50-50 between tile and overland flow. That also means that mitigating overland flow will have a higher immediate impact on the amount of nutrients reaching the Great Lakes.

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Farm groups want modernized NAFTA

Farm groups from Canada, Mexico and the U.S. are calling for key reforms

BY ALEX BINKLEY
Co-operator contributor

N NAFTA should be modernized through five significant reforms rather than dismantled, say national farm organizations from Canada, the United States and Mexico.

Agriculture represents one of NAFTA's biggest success stories, the Canadian Federation of Agriculture, the American Farm Bureau and Consejo Nacional Agropecuario said in a joint letter to the leaders of the three countries. Leaders of the organizations met in Washington to discuss the potential impact on the agri-food sector from the NAFTA renegotiation talks.

Agricultural reciprocal trade between the three countries has grown exponentially since the agreement was implemented in 1994, they said.

The agreement should be modernized by increased and improved regulatory alignment,

improved movement of goods at border crossings, further alignment of sanitary and phytosanitary measures using a science-based approach, elimination of non-science-based technical barriers to trade and revisions that reflect technological advances since implementation such as digital trade.

If NAFTA is dismantled, "the agriculture industries in each NAFTA country would greatly suffer from disruptions to trading relationships developed over the last 23 years. Farmers have increased productivity and improved their competitiveness to address the rapidly growing demand worldwide for healthy and sustainable food products. Losses due to NAFTA changes would severely stunt this progress."

The three groups will pressure their governments to do no harm in the NAFTA talks and focus on looking for ways to increase trade volumes.

CFA president Ron Bonnett said

"NAFTA has boosted the incomes of millions of farmers and has facilitated the development of profitable export markets."

RON BONNETT
Canadian Federation of Agriculture

"NAFTA has boosted the incomes of millions of farmers and has facilitated the development of profitable export markets."

Farm Bureau president Zippy Duvall said, "When it comes to overall positive results for North America's farmers and ranchers, NAFTA has proved itself as a solid foundation for trade. Just as farmers have new tools and technology for food and fibre production, we believe that an updated NAFTA agreement can help

the three nations become even stronger trading partners."

CNA president Bosco de la Vega said it is very clear "the NAFTA agreement has had a positive impact for the agricultural sector, including the exponential increase in trade flows between its partners." He added, currently NAFTA markets are characterized by a high level of complementarity, the possibility to face the challenge of food security in a better way, through an open trade system with clear and fair rules.

"Taking these into account, we believe that today the NAFTA members have a big opportunity to even increase this positive outcome," he said.

The joint letter said that agriculture provides "employment all along the value chain to ensure that Canadian, Mexican and U.S. consumers have access to high-quality, safe and affordable food. A key part of this success, as it is related to agricultural trade and commerce, comes from collaboration among the three countries.

"Together Canada, Mexico and the United States make up one of the most competitive and successful economic regions in the world," the letter said. "The success of this trading relationship has come largely from economic co-operation, integration and policy alignment. In the 20 years since NAFTA was implemented, agricultural production has become increasingly efficient and innovative. The market integration provided by NAFTA has increased competitiveness in the face of a rapidly changing global economy."

If a new NAFTA addresses the concerns of the three farm groups, agriculture will be in an even stronger position to compete on world markets. The three groups "are committed to preserving and expanding upon the gains our sector has achieved within the North American market and ensuring that a modernized NAFTA continues to be a success story for all farmers and ranchers."

Koch launches bid for Sask Party leadership

The agriculture leader is the fourth to announce candidacy to replace Brad Wall

STAFF

A familiar face in agriculture circles is now seeking leadership of the Sask Party to replace Saskatchewan Premier Brad Wall.

Allana Koch was most recently deputy minister to the premier, and has also been executive director of the Western Canada Wheat Growers, a board member of the now-defunct Agricore United grain company, president of the Canadian Agri-Food Trade Alliance and deputy minister of agriculture. She and husband Gerry Hertz operate a farm near Edenwold, Sask.

In a media release announcing the move, Koch touted the breadth of her experience and in particular noted her involvement in the agriculture sector.

"I have stood up for farmers and the agriculture industry. I've helped open doors so our farmers can sell their beef, wheat and canola all over the world," she said in the release. "I have focused on what matters to Saskatchewan business. I am passionate about Saskatchewan and our future."

Wall announced his pending retirement August 10. Since then candidates Tina Beaudry-Mellor, Jeremy Harrison and Gord Wyant have all joined the race. Current Parks Minister Ken Cheveldayoff is also expected to enter the race on Monday according to pundits.

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CROP REPORT

Winter cereal, pea harvests complete

Manitoba Agriculture Crop Report, issued August 28, 2017

Southwest Region

Most of the region received little to no rain during the last week, the exception was Brandon and the surrounding areas.

Winter wheat and fall rye harvest is complete with average yields and good quality. Spring cereal harvest is underway. Approximately 20 per cent of spring wheat has been harvested with 65 to 70 bu./ac. yield and good quality. Harvest is 40 per cent complete in barley with yields ranging from 80 to 90 bu./ac. with good quality and test weight. Thirty per cent oats have been harvested with yields ranging from 100 to 110 bu./ac.

Canola harvest is just starting, no yield reports to date. Swathing continues. There are some reports of spraying for bertha army worm in the Minnedosa and Sandy Lake areas. Flea beetles are emerging again but levels are very low. Sclerotinia and blackleg levels are low.

Soybean crops are variable; regions that received good and timely moisture have a promising crop. Majority of crop is at R6 stage.

Northwest Region

High daytime temperatures continued through the week. Cooler overnight conditions have begun with nighttime temperatures dropping to lows of +2 in some parts of the region. Roblin, Swan River, and Dauphin received precipitation this week with rainfall amounts varying from 10 to 20 mm. Most of the region remains dry with very dry soil moisture conditions in the Roblin area. Crops are generally in good condition with the exception of areas of the region suffering from extremes of moisture where crops are in fair to poor condition.

Harvest of winter wheat and fall rye is nearing completion. Spring wheat is ripening, with about 50 per cent of the crop

combined in the Roblin area and 10 per cent combined in the Swan River area. Spring wheat harvest is underway in Dauphin and Ste. Rose. Approximately 25 per cent of canola fields around Swan River are swathed, and 75 per cent are swathed around Roblin. Canola swathing is also well underway around Dauphin with some canola combined around Ste. Rose. Soybeans are podding but the dry weather has slowed pod formation. Flax is in the boll stage. Pea and lentil crops have ripened and harvest is well underway with approximately 75 to 90 per cent of the pea harvest complete. There are reports of pea yields ranging from 60 to 80 bu./acre in the Swan River area and spring wheat yielding 50 to 60 bu./acre. Wheat and canola yields are projected to be average.

Warm, dry conditions have allowed producers to make good progress in putting up feed. Second-cut haying is wrapping up with variable yields.

Central Region

Sunny, warm conditions continued last week. Scattered showers on Monday and Saturday amounted to less than 10 mm of rain for most of the region. Manitou received the highest amount of rain with 18 mm reported. Crops in areas with lighter-texture ridges and/or salinity are ripening prematurely due to dry conditions.

Harvest is complete for winter cereals; yields range from 75 to 110 bu./acre for fall rye and 50 to 80 bu./acre for winter wheat. Quality is good and FHB is low. Test weight is good, as are falling numbers for rye. Lower yields are due to winter injury.

Swathing and pre-harvest applications continue in spring cereals. In some cases, grain looks ripe, while stalks are still quite green. Early yield

reports: hard red spring wheat 55 to 85 bu.; northern hard red wheat 80 to 95 bu.; barley 75 to 120 bu.; oats 110 to 180 bu. Quality and test weights are very good.

Canola fields are ripening rapidly. Early seed colour change is evident in the later-seeded fields. Swathing continues, as does desiccation applications for direct harvesting. Colour of the fields has changed rapidly due to sun scald; checking pods shows less seed colour change than expected. Swathed canola is rapidly drying down. Canola harvest has begun with yields ranging from 40 to 60 bu./acre.

Corn is advancing rapidly. Most corn is in the grain-filling stage and ranges from late blister to dough.

Most field peas are harvested, with above-average yields ranging from 50 to 90 bu.

Most soybeans are in the R5 and R6 stage, with the earliest-maturing varieties at R7 and the start of leaf colour change. Some soybeans are reported at R7 on knolls and ridges and are drying out, not turning.

There is some leaf drop in early types of edible beans due to dry conditions. Rainfall may benefit the later types with improved seed size. White mould is being found in dense canopy areas.

Most sunflowers are at the late stages of flowering; with many at R6 and R7 with early ray flower drop. Some basal stalk rot is evident.

Most second-cut hay is complete. Yields are below average due to dry conditions.

Eastern Region

There was a mix of weather, with temperatures ranging from above to below seasonal throughout the week. Rain fell across the region; accumulated rainfall was less than 10 mm. Overnight temperatures on Wednesday dropped to as low as 1 C, but there were no reports

of frost. Overall, weather conditions were not conducive to harvesting.

Soil moisture conditions on cropland across the region were rated as 75 per cent adequate and 25 per cent short, hay and pasture land were rated as 30 per cent adequate, 40 per cent short, and 30 per cent very short. The driest soil conditions are in the southern districts.

Cereal harvest continued this week as weather allowed, with 30 to 40 per cent of harvest complete. Protein levels have been low in some HRS wheat. Piebald was evident in some fields. Limited yield reports received so far suggest 60-plus bu./acre for HRS wheat and 100-plus bu./acre for oats. Most canola acres in the region have received pre-harvest herbicide applications with the remaining being done this week. Swathing of canola continued last week with the majority of the crop intended for swathing now cut.

Soybeans were in the R6 growth stage with some leaf yellowing and leaf drop occurring in early-season varieties. Plants that were infected with white mould are now becoming evident as they are sticking out of plant canopies. Most fields with white mould have low levels of infection, but there are a limited number of fields more severely infected where yield loss is expected. There are some reports of two-spotted spider mites in soybean, with some limited spraying occurring. Sunflowers were in the R7 growth stage and remained in good condition. Corn is at the blister/milk to early-dough stage. Some reports of kernel abortion in the tops of the cobs in drought-stressed fields. Most of the Eastern Region could benefit from a good rain to help with the corn and soybean seed filling.

Ninety per cent of producers are finished haying.

Interlake Region

Temperatures ranged from as low as 1 C overnight to as high as 28 C this past week. Rainfall varied from seven to 33 mm, with the higher amounts falling in Arborg, Fisherton, and Inwood.

Swathing, pre-harvest herbicide applications, and harvest in spring cereals continues. Early yield reports for hard red spring wheat are 50 to 80 bu./acre, hard red northern wheat are 80 to 90 bu./acre. Oats are yielding 100 to 180 bu./acre, and barley 80 to 95 bu./acre. Bushel weight and quality have been good, but protein levels are reported to be a bit low. Post-harvest harrowing has begun in some cereal fields.

Swathing and pre-harvest herbicide applications in canola in the south Interlake are mostly complete, with 10 to 15 per cent combined and yielding 40-plus bu./acre. In the north Interlake canola swathing and desiccation is in full swing.

Soybeans in the south Interlake are showing some signs of moisture stress on sandier or saline soils and areas of compaction. Premature yellowing and leaf drop is apparent and a rain would be most welcome to more completely fill out the pods. Most soybeans in the R6 to R7 stage. Field pea harvest is mostly complete with yields in the 65 to 80 bu./acre range.

Sunflowers are fully flowered. Ray flowers have begun to drop, and the backs of the heads are turning yellow.

Soil moisture conditions across the region on cropland are rated as 30 per cent adequate and 70 per cent short, while conditions on hay and pasture are rated as 20 per cent adequate and 80 per cent short.

Haying season is tapering off. Due to high lake levels some native hayfields will not be harvested.

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Manitoba corn prices looking for life

Despite a dry summer, prices remain unchanged so far

BY DAVE SIM

CNS Canada

As the Manitoba corn crop heads into the final stretch of the summer, many producers are likely hoping for better prices in the fall.

The average bid for a bushel of corn in the province remains the same as last year, according to Myron Krahn, president of the Manitoba Corn Growers Association. He says prices are around \$4 to \$4.30, the same as in 2016 and 2017.

"The farm gate price hasn't changed," he said. "The outlook for new crop is no stronger than that."

The summer has been a relatively dry one for most of the plants and there are some concerns over yields.

"Some of us are thinking yields might be down because of

the dryness, but it is a wait-and-see thing," he said. "My hunch is yes, some of the yields will be lower than last year."

He says the average yield across the province has been around 130 bushels per acre the past couple of years.

The crop is still roughly a month away from full maturity, with additional dry-down time before it's combined.

Krahn believes the majority of this year's crop won't be harvested until October.

"A frost in the next three weeks, we don't want that," he said.

"The farm gate price hasn't changed. The outlook for new crop is no stronger..."

MYRON KRAHN
Manitoba Corn Growers Association

Krahn says storing the corn could be a popular move this year.

"Probably we'll see a lot of producers trying to store as long as they can to get into the winter, to get into spring," said Krahn. "Hopefully there's a price increase at that time."

Usage is flat across Manitoba, according to Krahn.

According to Statistics Canada, seeded area in 2017 was 410,000 acres, up from 2016 when it was just 345,000.

The agency releases its first production estimate of the year on August 31.

Slumping fertilizer producers gear up to fill truck demand

Tighter emissions standards are driving demand for urea-based diesel exhaust fluid

BY ROD NICKEL
Reuters

Fertilizer companies, coping with a stubborn price slump, are banking on tighter emissions standards for diesel trucks in the United States and Europe to buoy their balance sheets.

Nitrogen fertilizer producers including CF Industries and Agrium are accelerating output of diesel exhaust fluid (DEF), a water and urea solution used to reduce emissions of nitrogen oxide. The niche market offers premiums of \$50 to \$100 per short ton over the crop nutrients they sell at prices that are depressed due to excessive supplies.

DEF demand has risen since the U.S. Environmental Protection Agency set tighter emissions controls in 2010 for diesel trucks made by Volvo, Daimler AG and others. The European Union, in which DEF is known as AdBlue, introduced similar legislation in 2013.

Fertilizer companies have increased DEF output this year to coincide with openings of several new or expanded U.S. nitrogen plants, and as lower-emission trucks replace aging vehicles on the road.

"We love it — it's a great business for us," Bert Frost, CF Industries' senior vice-president of sales, market development and supply chain, said in a recent interview. "It builds our customer base and gives us (options) on production."

CF Industries started production this year in Louisiana to turn 400,000 tons of urea annually into DEF. Altogether, CF, the largest North American producer by capacity, can convert 800,000 tons of urea into DEF annually.

Doubling demand

Total U.S. demand for DEF is about one million tons of urea equivalent, a fraction of North America's annual consumption of 14 million tons of urea, Frost said. But he added that DEF demand is likely to double within five years as 60 per cent of U.S. heavy diesel trucks are replaced by models with lower-emission engines.

Engine technology called selective catalytic reduction (SCR) uses DEF to trigger a chemical reaction that converts nitrogen oxides, a pollutant, into natural components of air that are then expelled through the tailpipe.

The market hinges on the administration of U.S. Pres-



A urea-water mixture promises to reduce nitrogen oxide emissions from large trucks. PHOTO: THINKSTOCK

ident Donald Trump, which pulled the United States out of the Paris climate change agreement, continuing the country's move to lower-emission trucks.

The U.S. administration is unlikely to roll back emissions standards because trucking companies benefit from using more fuel-efficient vehicles and manufacturers have made huge investments in technology, said Allen Schaeffer, executive direc-

tor of Diesel Technology Forum, a non-profit group.

Global consumption of DEF may reach 10 million tonnes of urea equivalent annually by 2027 from two million currently, said Adam Panayi, research manager at Integer Research.

The market for DEF will peak in the United States and Europe toward the end of the 2020s, while potential growth continues in developing markets such as China and India, he said.

There may already be too much DEF available, said Andy Austin, senior vice-president of specialty products at Mansfield Energy Corp., which buys DEF from CF, Yara International ASA and Potash Corp. of Saskatchewan, and distributes it to XPO Logistics Inc., United Parcel Service Inc. and FedEx Corp. for their trucks.

"I would say there is a glut," Austin said. "That risk is certainly there for (producers)."

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Threshermen's reunion a colourful affair

The 63rd annual event drew attendees from far and wide

STAFF

Earlier this summer photographer Sandy Black attended the 63rd annual Manitoba Threshermen's Reunion and Stampede.

This year the event, held July 27-30 in Austin, commemorated both the 180th anniversary of Deere & Co., manufacturers of the John Deere tractors and the 125th anniversary of the founding of Canada.

A total of 125 pieces of John Deere equipment were on display, along with the usual attractions.

PHOTOS BY SANDY BLACK



Amanda Roy and nieces Paisley Walker and Kensi and Aurora Roybugg model clothes from the 1950s at the daily fashion show.



Dwayne Moorehead lights the candles honouring the 40th birthday of the Versatile 1080 known widely as Big Roy as Robert Beamish (l) and Alex Campbell (r), look on. The 600-horsepower tractor was restored in 2016. It was built in 1977 and has been kept at the museum since 1979.



Gordon Nelson, of Austin, was first off the line in the daily stoking and threshing competition after getting his wagon loaded. The event was a daily competition pitting gas tractors against steam engines.

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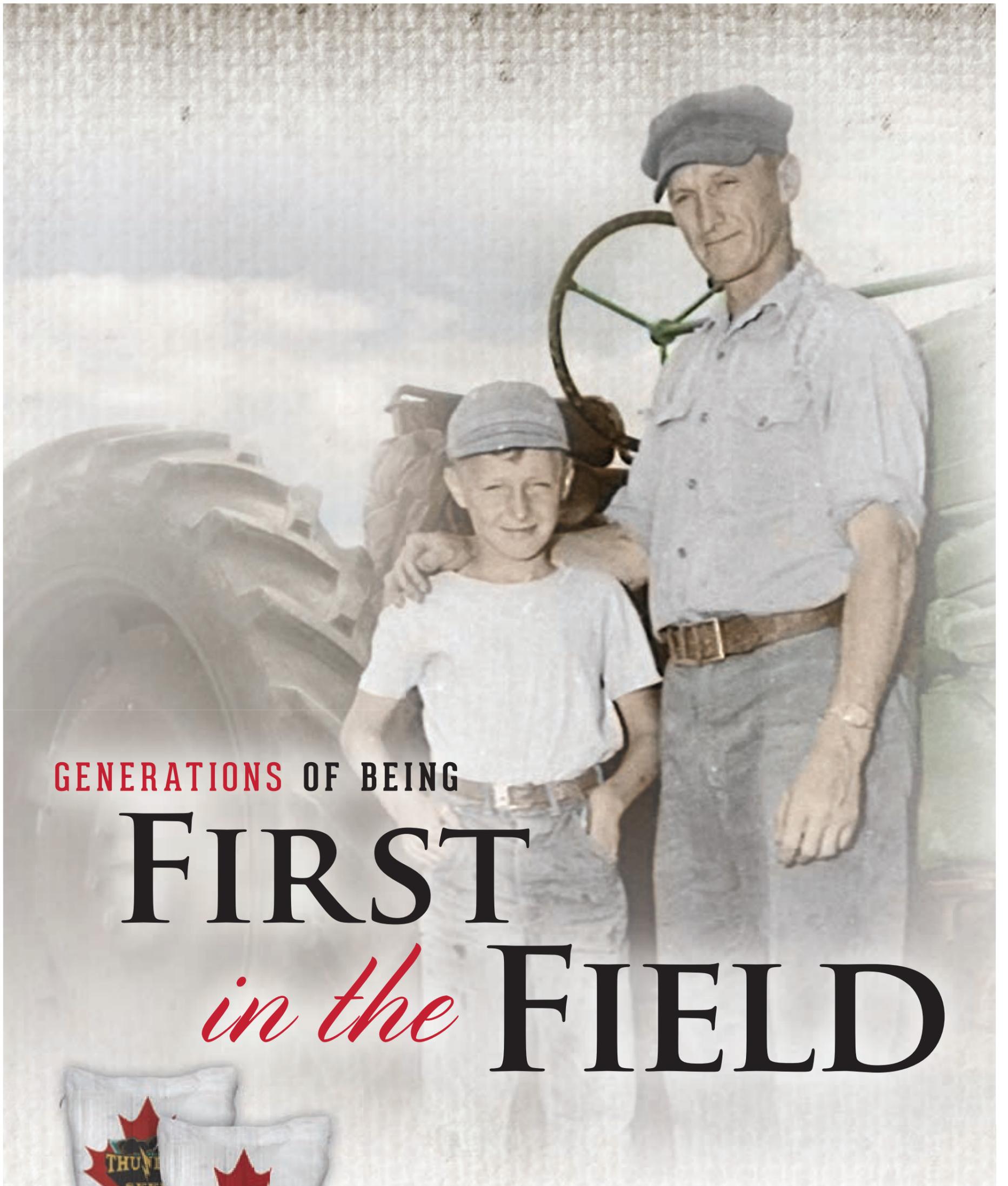
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COUNTRY CROSSROADS

CONNECTING RURAL FAMILIES

U of M showcases alternative building materials

'Hempcrete,' soy-based roof panels and other Manitoba-grown biomass products are tested and evaluated at University of Manitoba's Alternative Village

BY LORRAINE STEVENSON

Co-operator staff

It looks like any other shipping container, but what's inside could help boost food security in remote areas of the country one day.

Biosystems engineers at the University of Manitoba are perfecting a self-contained unit which includes a biomass boiler that produces up to 56 kW of heat. The unit also has a Stirling engine integrated into the system that utilizes the heat to generate up to five kW electricity.

That electricity will be used to power an LED lighting system in the Alternative Village greenhouse, to research the use of an alternate energy source for greenhouses in northern communities or off-grid locations.

The unit is a first of its kind in Canada supported with funding from the Canadian Foundation for Innovation.

New fuels

One of the long-term research objectives is to investigate the use of alternative biomass fuels such as straw, hemp and other plant material for use as pellets for the biomass fuel for the combined heat and power unit.

"There are other biomass boilers out there but this is the only one that we're aware of in Canada that's combining electrical power generation with heat," said Kris Dick, associate professor in the university's biosystems engineering department and founder and director of the campus Alternative Village.

The site was visited earlier this month by other engineers in Manitoba, as part of a week-long conference of the Canadian Society for Bioengineering (CSBE) meeting in Winnipeg to discuss new approaches to the world's food, fuel and fibre needs.

The Alternative Village is where university students get hands-on design and building experience, testing new concepts while working with non-conventional building materials such as straw, flax, compressed earth, hemp and biocomposite materials made from them.

Central to the Alternative Village is its 4,200-sq.-ft. Biosystems Strawbale Research Facility built in 2004 as a site to do research in and on. The research site has evolved around it and today is where new companies bring building concepts to evaluate.

"We provide a way to come in and do a little exploratory research to see if an idea is worth taking to the next stage," said Dick. "My initial intent was that this would be a facility for small



Kris Dick, founder and director of the campus's Alternative Village, speaks to a visiting delegation about the site's hempcrete research. PHOTOS: LORRAINE STEVENSON

business and small industry, that do not have deep pockets, to come and investigate their ideas."

Student focus

A very important part of the village is that students are actively engaged in all facets of the research from concept, construction of test equipment to the testing, he added.

"In my opinion, it is critical to combine theory with hands-on experience in the engineering education."

The site, which is located on 1-1/2 acres of the campus, today includes multiple small structures where that research helps answer questions those writing building codes, insurers and financial institutions have when builders want to use alternative building materials.

Industry-sponsored research grants support the work at the Alternative Village (AV), allowing them to support graduate and undergraduate students along with equipment and materials, explains Dick.

Built in Manitoba, there is a greenhouse modelled after designs used in China, that features a back wall of 18 inches of straw and six inches of rammed earth, designed to absorb solar energy and release it back into the space, reducing the need for supplemental energy.

It's a warm place even on a chilly Manitoba winter day. In -20 C in February with the sun, temperatures can rise to 45 C in the rammed earth back wall. They'll be linking up the heat



Delegates participating in the Canadian Society for Bioengineering convention Food, Fuel and Fibre for a Sustainable Future enter the 'Green Garage' site at the University of Manitoba's Alternative Village during an August tour.

and power unit to work with this site.

"The heat in the greenhouse depends on the amount of solar radiation and time of year," Dick said. "With a combined heat and power unit we can get a feel for how much (more heat) we will need in here to supplement it."

Other structures include its 'hempcrete' building, made with panels constructed from a blend of chemicals, hemp hurd and stone. There are also buildings made from structural insulated panels, dense-packed cellulose in wood frame and cast-in-place PVC and foam wall systems.

That site is used to evaluate moisture movement through the building's wall system as well as

studies on heat transfer through various wall systems, Dick said.

"I've done studies that have compared the thermal resistance (R value) of structural insulated panels, dense-pack cellulose and concrete with exterior foam, compared to typical wood frame construction with fibreglass batt insulation."

Biomass uses

The Alternative Village is also home to the 'Green Garage,' a 16x24 single-car garage, funded through Manitoba Agriculture, Growing Forward, and the Winnipeg-based Composites Innovation Centre.

Research, co-ordinated by Alternative Village's biosystems students and the site's technician, is focused on Manitoba-grown

biomass. It aims to demonstrate the use of ag-fibre products such as soy-based biocomposite roof panels and hempcrete.

Other materials being studied include recycled fibreglass, experimental biocomposite window panes, siding made completely of recycled wood, and an alternative cement floor that actually has no cement in it. It's made strictly from chemical and stone and is very sensitive to temperature.

"It pours out looking just like soup and will set up in 20 minutes," said Dick.

The goal of the Green Garage is learning how all these materials perform and interact together while having a site to continuously build on understanding how to use alternative methods and materials.

The August conference — entitled Food, Fuel and Fibre for a Sustainable Future attracted biosystems engineers from around the world and featured four days of workshops and speakers, plus tours.

In Manitoba there are about a dozen biomass suppliers and pelletizers and approximately 40 biomass heating installations in greenhouses and Hutterite colonies.

Learning curve

Speakers asked during the conference to comment on why the biomass industry isn't further ahead, say market demand remains a big part of the challenge. These products are somewhat 'ahead of their time' and customers are still unfamiliar with them.

Shawna Ducharme, principal engineer for product innovation at the CIC said more work needs to be done on methods for assessing crop quality.

"In a lot of biomaterials applications there are not readily available standards and not readily developed methods to assess quality," she said. "We have to identify the most suitable varieties of the crops for use in biomass applications."

There's also still work to be done to identify agronomic best practices for growing and harvesting crops so that their fibre is optimized, and research continues on how to optimize the strength and durability of biocomposites.

The CIC's Fibre City Initiative is now working in these areas, Ducharme said.

"Essentially it's a fibre-grading laboratory and the idea is to be a global centre of excellence in assessing fibre quality and developing standards for quality grading of biofibres," she said.

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COUNTRY CROSSROADS

Prairie fare



Onions offer layers of goodness

Onions can be eaten raw or cooked, and they are available in a wide range of sizes and colours

BY JULIE GARDEN-ROBINSON

NDSU Extension Service



As I examined the maturing produce in our garden, I decided not to harvest any onions. Although the stems were sturdy and green, the onion bulbs were fairly small.

Young onions are tasty, but I gave them the opportunity to grow.

Whenever I look at onions growing in our garden, I remember “the year of the onions” when I was a kid. My parents must have got a good deal on onion sets that year. More likely, the weather conditions were just right for a bumper crop.

Our white onions grew to the size of baseballs. We filled the back of a pickup truck full of onions. As I helped load onions, I was a little worried that we would have them for every meal that winter. Fortunately, every visitor left our home with a bag of onions. Our guests didn't seem to mind.

Onions are a popular vegetable. Food historians estimate that humans have eaten them for more than 5,000 years. For example, onions have been found in tombs of the ancient Egyptians.

Through the years, onions have been used for medicinal purposes and even as wedding gifts in early history. I have not seen onions on a wedding gift registry these days.

Onions can be eaten raw or cooked, and they are available in a wide range of sizes and colours, including red, yellow and white. Green onions, or scallions, also add flavour to foods.

According to the National Onion Association, our yearly consumption increased from 12.2 pounds per person in 1982 to 20 pounds in 2010 in the U.S. Worldwide, people munch their way through more than 13.5 pounds annually.

One medium onion has about 60 calories, 11 grams (g) of carbohydrate, 1.6 g of protein and 3.0 g of fibre. Onions are good sources of vitamin C and provide minerals, including magnesium, phosphorus and potassium.

This unique profile of vitamins and minerals, along with their natural phytochemicals (plant chemicals), confer some disease-fighting properties to the humble onion. Regular consumption of onions is good for our heart, may fight cancer and also may help build our bones, according to some recent research.

Be sure to select onions that are firm and free of cuts and soft spots. Soft spots on the onion usually indicate underlying spoilage. The skin should be dry and paper-like.

Avoid storing onions in plastic bags. Store onions in a mesh bag or other container with some holes in a cool, dark, dry place. Be sure to refrigerate peeled or cut onions and use within a week to 10 days.

Cutting onions can be a real tearjerker, so to avoid dramatic cooking experiences in your kitchen, try these tips:

- Chill the onion for 30 minutes to one hour before chopping to slow the release of sulphur gas.
- Chop them from the top end instead of the root end.
- Use a sharp knife so you can chop faster.

As I helped load onions, I was a little worried that we would have them for every meal that winter.

- Cut onions under cold, running water to reduce eye irritation.
- Try applying some lemon juice to remove the scent of onions from your hands.

Some people shy away from onions because they may leave you with bad breath. The natural sulphur compounds that provide their flavour also are responsible for some of their health benefits, including some cancer-fighting properties.

If you worry about halitosis after eating onions, remember that parsley is an excellent breath freshener. So eat the “garnish.” Or serve everyone the same meal and you all will have halitosis together.

Be inventive in your kitchen with onions and all the delicious produce of summertime. Add onions to kebobs and grill, caramelize them to make onion soup or try making baked onion rings. See <https://www.ag.ndsu.edu/fieldtofork> for more information about growing, preserving and preparing locally grown produce.

After harvesting some items from our garden, I put together a quick side dish without the benefit of a recipe. The “surprise” is the addition of a little crumbled bacon and some cayenne pepper. To save time, I picked up some crumbled bacon from a grocery store salad bar.



Onions can add to almost any dish. PHOTO: THINKSTOCK



This recipe is a good way to use the bounty of the season, including onions. PHOTO: NDSU

Garden Veggie Surprise

- 2 strips bacon, fried, drained and crumbled
- 2 tsp. canola oil or your favourite cooking oil
- 1/2 c. onion, diced
- 1 small hot pepper, diced finely
- 2 c. zucchini, diced
- 1 medium tomato, diced
- 1/4 tsp. seasoning salt
- 1/8 tsp. cayenne pepper

Cook bacon, drain and crumble (or use commercial crumbled bacon). Heat the oil in a pan. Add onion, pepper and bacon. Stir until onion is translucent (about three to five minutes). Add zucchini, tomato and seasonings, then stir. Cover and heat for about 10 minutes over medium-low heat. Serve.

Makes four servings. Each serving has 70 calories, 4.5 g fat, 3 g protein, 5 g carbohydrate, 1 g fibre and 180 milligrams sodium.

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

Kent Hotel serves up more than 'Kool Ones'

Foxwarren bar home of impressive sports collection

BY DARRELL NESBITT
Freelance contributor

Owners Morley and Lexie Butler have been serving up more than just 'Kool Ones at the Kent' during their 25 years as owners of the Kent Hotel in Foxwarren. The couple has also been sharing their impressive collection of sports memorabilia touching on the local, provincial and national sports scene.

"With Foxwarren known as a sports town, fuelling NHL superstars Ron Lowe, Pat Falloon, Mark Wotton, and Cody McLeod (who played his minor hockey in Foxwarren), the collection spurs happy memories and important moments of life shared with the community and visitors," said Morley.

Displayed items have been gleaned from yard sales and flea markets, and include everything from cards, photos, newspaper and magazine clippings to autographed jerseys.

In addition to running the hotel, Morley is serving his 19th year as councillor with the Prairie View Municipality (formerly the Rural Municipality of Birtle). He has also served two terms as a long-standing bus driver, totalling 36 years, with the Park West School Division. Lexie also does double duty as office manager of the Prairie Redi-Mix branch of Wheat City, on the outskirts of their home community.



Owners Lexie and Morley Butler grew up in the Foxwarren-Solsgirth area. PHOTO: DARRELL NESBITT

Their business and community involvement has provided the couple with opportunities to rub shoulders with such people as Montreal hockey legend Jean Beliveau, Los Angeles Kings' player Butch Goring, and Olympic star and "Amazing Race Canada" host Jon Montgomery. One winter, en route to curl in Yorkton, Sask., northern Ontario's Al Hackner not only stopped in at the Kent Hotel, but also gave a couple of tickets

to the Butlers to take in the curling action.

While the Butlers have enjoyed some great experiences at the hotel, Morley said that business has slowed down over the past 10 years.

"Once the elevators closed it became an uphill battle for the community, with Moulson's Welding located next door and ourselves being the only two businesses presently serving Foxwarren."

In spite of that, the Butlers are grateful for the support they do receive from locals and those just passing through.

While the establishment is normally open seven days a week, should a situation arise that draws the Butlers away, a sign will be posted, as they are the sole "employees."

Originally opening in 1941-42, the Kent, situated near the turnoff into the hamlet along Highway 16 was built by Gus

While the establishment is normally open seven days a week, should a situation arise that draws the Butlers away, a sign will be posted, as they are the sole "employees."

Rennie, with the lumber used in the build hauled from the Duck Mountains by horse.

The hotel was named after Rennie's buddy Kent, who was lost in the war, and over the years, through seven owners, the name has stuck.

Prior to the Butlers purchasing the hotel in 1992, the Kent was owned by Elsie Parobec, who operated the establishment for 28 years. Lexie, who grew up in Foxwarren, recalled that her father, Mowbray Hodgson, worked for Parobec for a while.

Morley grew up down the road at Solsgirth. Together, he and Lexie raised two girls and a boy, and now have nine grandchildren. The couple celebrated a quarter-century at the Kent with relatives and friends at the Foxwarren Homecoming last month.

Darrell Nesbitt writes from Shoal Lake, Manitoba

Make sure you know what you're paying for

Some plants may be labelled as 'new and wonderful' with a high price tag but are actually a variety of an old standby

BY ALBERT PARSONS
Freelance contributor

Companies that develop new varieties of plants are adept at convincing consumers that they have developed the next "greatest plant," that gardeners must have — despite the high price. Sometimes I succumb to such temptations and then am disappointed to find out that my "new and wonderful" plant is simply a new variety of a very old standby.

Such was the case last spring when I came across a plant called *setcreasea pallida* "Pink Stripes." The plant looked familiar; it looked very much like an old favourite of mine, *tradescantia*. The elongated pointed leaves were dark purple and quite fleshy, while its stems were visibly segmented, just like *tradescantia*. What distinguished the plant from any *tradescantia* I had ever seen was that its dark leaves had vivid longitudinal pink stripes. The effect was quite striking but I passed the plant by as I wanted to do a bit of research when I got home.

Sure enough, *setcreasea* is simply another name for *tradescantia*. Nowhere on the plant tag, however, was the name *tradescantia*. I believe the marketers were attempting to sell this variety of an old favourite as something quite new and differ-

Many of these "designer" plants are marketed to novice gardeners who don't know much about plants or names, and just want something attractive to fill a few containers on their decks.

ent, and I think the use of unfamiliar names to brand new cultivars of well-known plants is a bit misleading. Many of these "designer" plants are marketed to novice gardeners who don't know much about plants or names, and just want something attractive to fill a few containers on their decks.

Experienced gardeners, on the other hand, are more knowledgeable and will recognize common plants, even if they are new varieties with some special characteristic. We will either buy them if we think the newer characteristics bred into them make them worth the extra money, or pass them by and continue to use the old tried-and-try varieties that we already have.

Last year however, I did spend what I considered a small fortune on two plants — the green flowering ball dianthus that have been developed lately. I wanted them enough, and felt that they were so unique and different from any other varieties that had been developed, that I believed they were worth the money.

So it's not that I don't buy new introductions or appreciate the horticulturalists who are developing new varieties, I just think they should put the names on plants that we recognize instead of trying to make us believe that they are something entirely new and different. The green ball dianthus that I purchased was still labelled as dianthus, but the use of its well-known name did not deter me from buying it.

In spite of (what I thought) the misleading labelling of *setcreasea pallida* "Pink Stripes," this plant is a wonderful addition to a mixed container in a shade or semi-shade location, and as it trails it will act as a spiller in the container. Its dark-purple leaves contrast beautifully with the foliage and flowers of accompanying plants and if some pink flowering ones are used — such as pink-flowering *impatiens* — the pink stripes on the *setcreasea* leaves will echo the pink of these flowers and create a delightful effect.

Albert Parsons writes from Minnedosa, Manitoba



The fleshy leaves of *setcreasea pallida* "Pink Stripes" are dark purple with vivid pink stripes. PHOTO: ALBERT PARSONS

COUNTRY CROSSROADS

Word is spreading about Kenworth Dam

Recreation area near Kenton, Manitoba is a hidden gem

BY DARRELL NESBITT
Freelance contributor

People in the Kenton, Manitoba area are well aware of the gem they have in the Kenworth Dam site, and thanks to a recent tourism award nomination, the word is starting to spread.

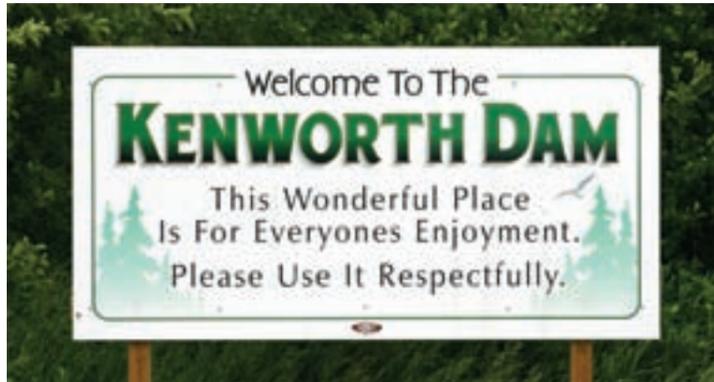
This summer, the area just south of Kenton was nominated for a Westman Tourism Award in the Service Excellence category, and a visit to the area reveals why.

It's obvious that members from the RM of Wallace-Woodworth and Kenton Community Enterprises (KCE) have shown a consistent desire to keep the park in good repair, making continued efforts to improve the site for the locals and tourists.

The Kenworth Dam site consists of the Lonesome Oak Campground with seven serviced and two unserviced sites, modern washroom/shower facilities, beach area, boat launching pad, two docks — one for fishing and boats and the other for swimmers — and a hiking trail to the community of Kenton. Located at the large beach is a beach volleyball court, change rooms, washrooms, cookhouse with brick barbecue, picnic tables, parking and swings.

Stocked with walleye (pick-erel) on a yearly basis, the body of water makes for the perfect fishing area.

In 2016, a steel bridge was put in place to replace a wooden bridge on the Kenworth hiking trail, after flooding in 2011 and 2014 and the park is utilized in winter for



Sign welcomes one and all to the tourist attraction. PHOTO: DARRELL NESBITT

ice fishing. The water behind the dam is kept aerated to keep the fish alive, making it a year-round destination for the community of Kenton and surrounding areas.

The site can be reached on a well-maintained gravel road. If you're travelling along Highway 21, turn west a mile south of Kenton, and the dam is located a half-mile from the highway.

Inquiries or reservations can be directed to Jane Van Doek at 204-838-2326.

"From the many positive comments we hear about the dam, what seems to stand out the most is the fantastic fishing, and the quiet atmosphere," said Val Caldwell, councillor for the RM of Wallace-Woodworth. "It's a great place for families to kick back, spend a day or two camping, enjoying nature and incorporate some physical activity into their day."

The Kenworth Dam and its positive impact to the Kenton area were highlighted in the "Service Excellence" category of the Tourism Westman Awards. Although the award ultimately went to the Carberry Agricultural Society, the Ken-

The water behind the dam is kept aerated to keep the fish alive, making it a year-round destination for the community of Kenton and surrounding areas.

worth Dam received recognition for the delivery of exemplary service and enhancement of experiences as demonstrated through a high degree of visitor satisfaction.

Nomination came from Kelvin Smith of Virden who said, "Kenworth Dam is not a major tourist attraction, but a beautiful hidden gem for local people and adventurous tourists who enjoy getting off the major routes, and find what the small community offers."

Darrell Nesbitt writes from Shoal Lake, Manitoba

READERS' PHOTOS



Bales looking more like marshmallows in the Erickson, Manitoba area.

PHOTO: CINDY MURRAY



Harvesting wheat in the Belmont, Manitoba area. PHOTO: LILLIAN DEEDMAN

Welcome to Country Crossroads

If you have any stories, ideas, photos or a comment on what you'd like to see on these pages, send it to Country Crossroads, 1666 Dublin Ave., Winnipeg, Man. R3H 0H1, phone 1-800-782-0794, fax 204-944-5562, email susan@fbcpublishing.com. I'd love to hear from you. Please remember we can no longer return material, articles, poems or pictures. — Sue



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.



This 51,500-bushel grain elevator in Ethelbert, once located on the CNR Cowan Subdivision, was built by the Manitoba Pool Elevators in 1967. A 110,000-bushel crib annex was built beside it in 1975. The railway stopped using the line in October 1998 and, after protracted negotiations with the community broke down, in 2000 the line was sold to a Brandon firm and the tracks were removed. Agricore closed its elevator and, two years later, it was sold to a group of five local farmers. The facility is still used for private grain storage.

PHOTO: JEAN MCMANUS

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- Buyers are advised to request shipment C.O.D. when purchasing from an unknown advertiser, thus minimizing the chances of fraud and eliminating the necessity of refund if the goods have already been sold.
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COMMUNITY CALENDAR

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ANTIQUES

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Sat. Sept. 9th @ 10:00 am
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WALTER & THE LATE ROSE KOLSUN AUCTION SALE, September 9th at 9:00 AM. Select online bidding starts at 1:00 PM. From Martensville Crossing (Hwy 12 & 305) Go 4.8 kms North on Hwy 12, turn right (East) for 3.5 kms, south side of road. Seller Contact: Walter Kolsun, 306-229-1115. 1975 Massey Ferguson 65 w/loader, PTO, 3PTH, gas eng; Gulf sign, double sided 72"x67"; 2011 John Deere D120 21HP 42" cut; Full line of woodwork equipment; Tons of antiques; Shop related; and Household. Plan to spend the whole day with us, lots of items! Hosted by Bodnarus Auctioneering, 1-877-494-2437 or 306-227-9505 cell. PL #318200. Visit www.bodnarusauctioneering.com

RAY AND DORA BECKMAN AUCTION SALE, September 10 at 11:00 AM. Select Online bidding starts at 1:00 PM. Cando, SK. West edge of the Hamlet. Watch for signs. Seller contact: Ray and Dora Beckman, 306-441-0317 or 306-937-3095. 2004 GMC Jimmy SUV, 4x4, 190,000 kms; 1973 Holiday trailer; 2004 Yardman Co-op grass mower tractor; 2009 Craftsman Simpson Sears grass mower tractor; Plus shop and household related. Sale brought to you by Bodnarus Auctioneering 1-877-494-2437 or 306-227-9505 cell. PL #318200. Visit www.bodnarusauctioneering.com

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ANNOUNCEMENTS 0200

ANNOUNCEMENTS 0200

Manitoba Co-OPERATOR

Our offices will be closed **Monday, Sept. 4th** for

LABOUR DAY

Early Deadline for the **September 7th** issue is **Wednesday, August 30th** at 12:00 pm pm for CD ads and **Wednesday, August 30th** at 4:30 for liner ads. Happy Labour Day weekend!

HAPPY LABOUR DAY!

MISC. TRAILERS
1515



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30 GRAVEL TRAILERS, END dumps, clam dumps, cross dumps, side dumps. Check prices on: www.traileruy.ca Call 306-222-2413, Saskatoon, SK.



2018 SOUTHLAND 22' Tri-Axle trailer, 7000 lbs axles, 6' ramps, max cargo 17,204 lbs., \$9480. 1-800-667-4515, www.combineworld.com



2008 WALINGA TRIDEM live bottom, 107493 kms, alum., 12 comp., hydraulic control, very good condition, \$54,900. 1-800-667-4515 www.combineworld.com



2009 HUTCHINSON 34,000L TANK tridem tank trailer, air susp., 1 compartment, good condition, 2018 SK. safety, \$16,900 1-800-667-4515, www.combineworld.com



1986 BEDARD 18,000L Tank pup trailer, T/A, air brakes, good water hauler, \$7900. Call 1-800-667-4515 or visit our website at www.combineworld.com

3 TRIDEMS, 3 TANDEM stepdecks; S/A 28' stepdeck; tandem, tridem and Super B highboys; 28' to 53' van trailers. Tanker: tandem aluminum 8000 gallon; S/A and tandem converters. Ron Brown Imp. 306-493-9393, Delisle, SK. DL #905231. www.rbisk.ca

BEHNKE DROP DECK semi style and pintle hitch sprayer trailers. Air ride, tandem and tridems. Contact SK: 306-398-8000; AB: 403-350-0336.

NEW 2015 DOEPKER 53' stepdeck trailers with hay racks, new safety. Call 403-625-4658, Claresholm, AB.

2012 TROJAN GRAVEL quad, new brakes, new safety. Call 403-625-4658, Claresholm, AB.

TRUCKS

NEWEST TO OLDEST
1595



2017 RAM 1500 SPORT, crew cab, loaded, sublime green, MSRP \$65,240, all taxes paid for \$52,500 total. Call Hoss 306-554-7063 or 1-800-667-4414.

2010 DODGE RAM 1500 SLT, quad cab, 4x4, 5.7L V8 Hemi, 28,500 kms., \$26,500 firm. Greg 306-883-2568, Spiritwood, SK.

1994 CHEV 3/4 ton diesel, manual trans, long box, extended cab, asking \$600. Phone 306-297-3209, Shaunavon, SK.

GRAIN TRUCKS
1675

1998 FL80 FREIGHTLINER Grain Truck, box added 5 yrs ago, 424,688 kms, \$10,500. 403-870-0091, PA, SK. gleia@wolffleia.ca

1977 IHC 1600, B&H, roll tarp, 27,000 GVW, 74,000 kms, \$4000; 1984 GMC 335 HP Detroit, 13 spd., wet kit, 12840 axles, 345,000 orig kms, \$10,000. 204-785-0498, East Selkirk, MB.

ALLISON AUTOMATIC TRUCKS: Several trucks with auto. trans. available with C&C or grain or gravel box. Starting at \$19,900; Call K&L Equipment, 306-795-7779, Ituna, SK. DL #910885. ladimer@sasktel.net
RETIRED: 1977 FORD F600, steel B&H; 1979 F600, steel B&H. Both in good cond. 306-944-4325, 306-221-8355, Bruno, SK.

GRAIN TRUCKS
1675

2007 MACK, 400 HP Mack eng., AutoShift trans., A/T/C, new 20' BH&T, new rear tires, 716,000 kms, exc. shape, \$67,500; **2009 IH Transtar 8600** w/Cummins eng. 10 spd., AutoShift, new 20' BH&T, 742,000 kms, exc. tires, real good shape, \$69,500; **2007 IH 9200,** ISX Cummins, 430 HP AutoShift, alum. wheels, new 20' BH&T, fully loaded, 1,000,000 kms, real nice, \$67,500; **2009 Mack CH613,** 430 HP Mack, 10 spd., AutoShift, new 20' BH&T, alum. wheels, 1.4 million kms, has bearing roll done, nice shape, \$69,500; **2007 Kenworth T600,** C13 Cat, 425 HP, 13 spd., AutoShift, new 20' BH&T, alum. wheels, new paint, 1.0 million kms, exc. truck, \$71,500; **1996 Midland 24'** tandem pup grain trailer, stiff pole, completely rebuilt, new paint and brakes, exc. shape, \$18,500; **1999 IH 4700** S/A w/17' steel flatdeck, 230,000 kms, IH dsl., 10 spd., good tires, \$19,500; **2005 IH 9200** tractor, ISX Cummins, 430 HP, 13 spd., alum wheels, flat-top sleeper, good rubber, \$22,500. All trucks SK. safetied. Trades considered. All reasonable offers considered. Arborfield SK., call Merv at 306-276-7518 res., 306-767-2616 cell. DL #906768.

AUTOSHIFT TRUCKS AVAILABLE: Boxed tandems and tractor units. Contact David 306-887-2094, 306-864-7055, Kinistino, SK. DL #327784. www.davidstrucks.com

2006 FREIGHTLINER, Mercedes eng., 410 HP Eaton UltraShift, 20' Canade box and tarp. \$20,000 in recent work orders, 950,000 kms, asking \$65,000. Call 306-747-7622, Shellbrook, SK.

1976 GMC 6500 3 ton, real nice truck, always shedded, 16' Lux BH&T, \$7500. 306-233-7305, Cudworth, SK.

AUTOMATICS READY FOR HARVEST: 1994 Freightliner FL80, 8.2 Cummins, 5 spd. Allison auto., 8.5x20x60 CIM B&H, roll tarp, fresh SK safety; 2000 IHC 2674, 8.5x22.60 CIM BH&T, fresh SK safety, Clean western trucks! Neil: 306-231-8300, Humboldt, SK.

2005 IH 4400, Allison auto., 19' BH&T, low km's; 2008 IH 7600 tandem, ISX Cummins 10 spd., new 20' BH&T; 2007 Peterbilt 330 S/A, Allison auto., new 16' BH&T. Ron Brown Imp. 306-493-9393, DL #905231. www.rbisk.ca

20+ TANDEM: Standards & Automatics. Yellowhead Sales, 306-783-2899, Yorkton, SK.

KENWORTH T800 Cat eng., 18 spd., 20' B&H roll tarp, Heavy Spec, Sask. safetied, \$43,000. 306-563-8765, Canora, SK.

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2007 MACK, 10 speed Eaton auto., new 20' CIM B&H, 380,000 kms., fresh Sask. safeties. Call 306-270-6399, Saskatoon, SK. www.78truxsales.com DL #316542.

1985 FORD 700 tag axle grain truck, gas motor, \$7500. Call 780-875-5195 or text 780-808-3816, Lloydminster, AB.

GRAVEL TRUCKS
1676

2012 IHC TRANSTAR, low pro, Max 300 HP diesel, Allison auto. trans., single axle, loaded cab, 13' Armstrong landscape dump, \$39,900; **2010 CHEV 1 ton** dump truck w/10' gravel dump, \$14,900. K&L Equipment and Auto. Call Ladimer, 306-795-7779, Ituna SK. DL #910885.



1999 STERLING LT9513 T/A dump truck, 269,825 kms, Eaton 13 spd., 15' gravel box, fresh Sask. safety, \$29,900. 1-800-667-4515. www.combineworld.com



2005 STERLING L9500 T/A dump truck Cat C15, 10 speed Eaton, 15' gravel box, fresh Sask. safety, \$39,800. 1-800-667-4515, www.combineworld.com

2005 IH 4400 tandem, new motor, Allison auto., gravel box; 16' IH 9200 Detroit, 10 spd., 16' gravel box; 2013 Decap tridem belly dump; used tridem end dump. Ron Brown Imp. 306-493-9393, Delisle, SK. DL 905231 www.rbisk.ca

ATTENTION GRAVEL HAULERS: 5 tandems in stock, 1998-2007; Tri-axle 18' dump. Yellowhead Sales, 306-783-2899, Yorkton, SK

SEMI TRUCKS
1677



2012 VOLVO VNL 630 - A great truck & trailer combo for \$90,000 OBO. 2008 Wilson Super B trailers. Truck specs: 46,000 lb rear, 500 HP D13, 3.55, 744,000 kms. Trailer specs: Alum. grain trailers w/tires 75%+. 204-795-0950, Winnipeg, MB.

2010 PETERBILT 388, safety up to date, TNT 4" pump, newer tires, new engine (2015 install), new trans and clutch (2016 install), \$65,000. 306-228-3251, Unity, SK.

SANDBLASTING AND PAINTING of heavy trucks, trailers and equipment. Please call for details. Can-Am Truck Export Ltd., 1-800-938-3323, Delisle, SK.

FOR SALE: 2001 PETERBILT 379, completely rebuilt C15 Cat, 18 spd., 40 rears. More info. call 306-342-4968, Glaslyn, SK.

SEMI TRUCKS
1677



2004 IH 7600 Tandem Truck, 670,000 kms, 13 spd., 425/65R22.5 front (20,000 lbs.), 11R22.5 rear (46,000 lbs.), \$55,000. 204-743-2324, Cypress River, MB.



2005 PETERBILT C15 eng., 18 spd., w/2016 Timpte trailer. Both units in exc. cond. w/safety papers. \$105,000 for both units. Will separate. For more details, 204-918-4029, 204-981-3636, Cartier, MB.



2015 INT. LONESTAR, eng./emission warranty till 2020, 270,000 kms, 550 ISX Cummins, 46 rears, 3.90 ratio, 4-way lockers, much, much more, including 2.5 years warranty left. Reduced! \$133,500. More info. Dan 306-233-7488, Wakaw, SK.

KENWORTHS: 2007 T800 500 Cat 18 spd., 46 diff. lockers; 2009 T660, new pre-mission, 525 ISX, new 18 spd. and clutch, 46 diff., lockers; 2008 T800 daycab, 500 Cat, 18 spd., lockers, new clutch and trans; 2014 Western Star 4900, 46 diff. Detroit, 18 spd., 4-way locks; 2008 Freightliner Cascadia, daycab, Detroit 515, 18 spd., lockers; 2007 IH 9900i, 525 ISX, 18 spd, 3-way lockers; 2007 IH 9200 daycab, 450 ISX, 13 spd; 1996 T800, Cat, 13 spd., rebuilt trans., difts and injectors; 2006 Pete 379, daycab, 500 Cat, 18 spd., lockers, new rebuilt eng., new clutch; 2005 Mack CH613, 18 spd., lockers, wet kit, 450,000 kms; 2- 1996 FLD 120 Freightliners, 425 Cat, 430 Detroit, lockers. Ron Brown Implements, Delisle, SK., 306-493-9393. DL 905231. www.rbisk.ca

TWO 2007 IHC 9400, Cat 500, 18 spd., 46 rears and lockers, 51" sleepers; (2) 2009 Mack, 485 HP, 18 spd., 46 rears and lockers, 51" sleeper; 2008 Freightliner, 515 HP, 18 spd., 46 rears and lockers, wet line kit. Yellowhead Sales 306-783-2899, Yorkton.



2011 HONDA CRV EXL, silver w/black leather, NAV, loaded, 4WD, remote start, exc. cond., very clean, 64,000 miles, new safety, for sale by owner, \$15,900 OBO. 204-488-8451, Winnipeg, MB.



2016 SUBARU FORESTER name top pick for 2016. Starting from \$29,360. Great selection to choose from!! 1-877-373-2662, www.subaruofsaskatoon.ca DL #914077.



2007 KW T800 Boom Truck, 40 ton, WBAA Unit Model WHL-40T C97, 14,670 hrs., 5th wheel, new MB safety, crane has new inspection, state DOT, headcage rack, wet kit, knuckle boom crane, excellent cond., \$249,500. 204-743-2324, Cypress River.



2000 FORD F550 XL S/A, 579,720 kms, 7.3L, 5 speed standard, 16' van body with powered tailgate, \$9980. 1-800-667-4515, www.combineworld.com

2006 F-250 5.4L auto, 4x4, service body, nice unit, fresh Sask. safety, only 88,000 kms, \$14,900. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

TOW TRUCK, 1993 F700, 10 spd., Vulcan towing unit (will separate). Pro Ag Sales, 306-441-2030 anytime North Battleford SK

SPECIALIZED TRUCKS
1680



1994 WESTERN STAR 4964F Crane truck, 584,000 kms, T/A, Cat 3406, Eaton 18 speed, Ferrari 8300 Kg crane, fresh safety, \$19,800. Call 1-800-667-4515, www.combineworld.com



1998 GMC T6500 COE, 686,000 kms, S/A, 3116 Cat, Eaton manual, 16' van body, excellent condition, \$9980. 1-800-667-4515. www.combineworld.com



1981 FORD 8000 Pole Truck, Cat 3208, 4 spd. A/T, service body, 17,500 lbs., Pitman PC1500 pole cat, \$6980. 1-800-667-4515, www.combineworld.com



2003 FORD F750 Refuse truck, 169,642 kms, side load, 25 cubic yd., A/T, Cummins 5.9L, \$13,800. Call 1-800-667-4515, www.combineworld.com

SPORT UTILITIES
1682

2011 HONDA CRV EXL, silver w/black leather, NAV, loaded, 4WD, remote start, exc. cond., very clean, 64,000 miles, new safety, for sale by owner, \$15,900 OBO. 204-488-8451, Winnipeg, MB.

2016 SUBARU FORESTER name top pick for 2016. Starting from \$29,360. Great selection to choose from!! 1-877-373-2662, www.subaruofsaskatoon.ca DL #914077.

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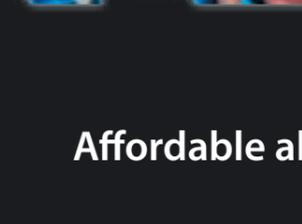
CONSULTING
2901

BAILIFF ONLINE AUCTION, the following are up for bids: 2013 Western Star 4900 SF, 2012 Peterbilt 388, 2006 KW T300, 2005 Freightliner M2 Tandem van body with lift. For more information, email bailiffservices@sasktel.net. Saskatoon, SK.

SPECIALIZED TRUCKS
1680



2007 KW T800 Boom Truck, 40 ton, WBAA Unit Model WHL-40T C97, 14,670 hrs., 5th wheel, new MB safety, crane has new inspection, state DOT, headcage rack, wet kit, knuckle boom crane, excellent cond., \$249,500. 204-743-2324, Cypress River.



2000 FORD F550 XL S/A, 579,720 kms, 7.3L, 5 speed standard, 16' van body with powered tailgate, \$9980. 1-800-667-4515, www.combineworld.com



2006 INTERNATIONAL TERRASTAR 96,016 miles, Hiab 3350 Kg crane, Maxforce 7 (300 HP), 5 spd. auto, flatdecks, 5th wheel, 4x2 diff. lock, \$24,900. 1-800-667-4515, www.combineworld.com

2006 F-250 5.4L auto, 4x4, service body, nice unit, fresh Sask. safety, only 88,000 kms, \$14,900. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

TOW TRUCK, 1993 F700, 10 spd., Vulcan towing unit (will separate). Pro Ag Sales, 306-441-2030 anytime North Battleford SK

VARIOUS
1685

2008 IH 7600 tandem 24' van body, power tailgate, 10 speed ISX; 2007 Freightliner auto. trans., 24' flat deck. Ron Brown Imp. 306-493-9393, Delisle, SK. DL #905231 www.rbisk.ca

CAN-AM TRUCK EXPORT LTD., Delisle, SK. 1-800-938-3323. 2006 Western Star C15 Cat, 18-46, 36" flat-top, low kms, new safety, \$50,000; 1998 Timpte convertible grain trailer, 48', tandem, air ride, \$20,000; 2009 Western Star CC 60 Detroit, 18 fronts, 46 rears, 4-way locks, 460,000 kms, \$60,000; 2007 IHC 4400, DT466, 6 spd., air ride, w/24' van, 325,000 kms, \$16,000; 400 KW to 800 KW gensets, low hrs; 2002 Pete 320, 3126 Cat, auto w/side load garbage unit, \$30,000; 2008 Kenworth 800 daycab, C15 Cat, 18 spd., 46 rears, 4-way locks, 700,000 kms, \$68,000; 2003 Freightliner Columbia, Detroit 60 Series, 13 spd., 40 rears, \$23,000; Gensets also available. Financing available OAC. www.can-amtruck.com DL #910420.

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3600

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2006 KOMATSU WA-320-5 wheel loader, QA bucket and forks, \$55,500; **1989 D6H** Cat LGP crawler dozer, direct drive, 90% undercarriage, \$39,500; Robert Harris, 204-642-9959, 204-470-5493, Gimli, MB. Pics/info. at robertharris.com

SELLING

1974 CAT D7F, 14' angle dozer, 26" pads, 3306 eng., 60% UC, vg cond., \$38,000 OBO. 204-467-2109, Stonewall, MB.

2012 KOMATSU WA380-6 wheel loader, hyd. QA, AC, ride control emergency steering, AutoLube, 23.5x25 tires, 3135 hrs., \$140,000; **2008 JD 850J** WLT crawler dozer, c/w ROPS, 12' 6-way blade, S8G pads, 8700 hrs, \$95,000. Call 204-871-0925, MacGregor, MB.

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

2004 CAT D6N dozer with 6-way blade and ripper, \$68,750. Call 204-871-0925, MacGregor, MB.



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



TEREX 8240 B Crawler Dozer, V8 871 Detroit eng., power shift, 26" pads, straight tilt dozer, full bush canopy, 4957 hrs., excellent working cond., comes w/warranty, S/N 56729, \$69,000, can deliver. 204-743-2324, Cypress River, MB.



1998 VOLVO A35C, engine rebuilt 800 hrs. ago, transmission rebuilt 700 hrs. ago, both cylinders resealed, new tires 400 hrs. ago, very good condition, \$82,000. 204-743-2324, Cypress River, MB.

SCHULTE 8 1/2 YARD Scraper, \$6500. 306-675-4848, Leross, SK.

CONSTRUCTION EQUIP.
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CAT D7G DOZER, 13 1/2' blade, twin tilt angle blade, 26" pads, full bush canopy, rebuilt final drives, 90% undercarriage (warranty), \$76,000, can deliver. 204-743-2324, Cypress River, MB.

CATERPILLAR 482 SCRAPER, 28 yards, mint condition, \$39,000 OBO. Phone 204-648-7129, Grandview, MB.

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

2010 CAT 287C skidsteer, rubber tracks, hi flow hyds., 1900 hrs., vg condition, \$46,000. 204-748-8303, Elkhorn, MB.

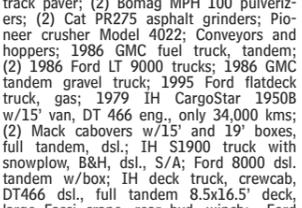
SKIDSTEER LOADERS: 2008 Case 440, Series 3, approx. 2400 hrs., \$24,500; 2006 Case 440, approx. 1700 hrs., \$22,500; 2007 Case 420, approx. 1600 hrs., \$20,500. 204-794-5979, Springfield, MB.

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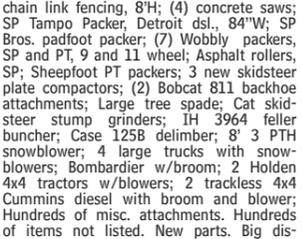
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2015 JD 450D 35' Swather, farm equip. dispersal. 140 eng. hrs., 95 header hrs., AutoSteer, exc. cond., \$150,000 OBO. 780-623-1147, Lac La Biche, AB.

2013 MACDON M205, bi-directional, 990 hrs., very nice condition, \$72,000; D60-D Draper 25', 9 batt reel for dry beans, \$19,500; R85 16' discbine header with windrow merging attach, \$15,000. All field ready. Jerry 715-377-2940, Baldwin, WI.

CO-OP 550 SP swather, 18', Belarus diesel engine, good condition, \$1800 OBO. 204-642-7684, Gimli, MB.

2003 MACDON 9352i, 972 30' header, dual knife drive, PU reel, 900 hours, \$48,000. Can deliver. 204-224-3532, 204-981-3080, Dugald, MB.

MACDON 155 2013, 650 hrs., 35', D65 header, large tire option, rear roller, Trimble GPS, asking \$125,000. Low rate financing available. Call 204-248-2359 or cell 204-242-4214, Notre Dame, MB.

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2012 JD A400, only 405 eng. hrs., 291 cutting hrs., 36' HoneyBee dbl. knife dr., Roto-Shear, rear mtd. freerform swath roll-er, deep lug 18.4x38 Firestone drive tires, bought new, always shedded, exc. cond. reduced, \$85,500. Call 204-525-4232, 204-734-8479, Minitonas, MB.

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WANTED: MACDON 942 or 940 mtd crop header or MacDon 933 grass seed header. Call 204-655-3550, Sifton, MB.

1997 MACDON PREMIER 2920, 25' 960 header, vg cond., Cummins eng. w/1800 hrs., shedded. 204-734-8178, Swan River.

2008 NH H8040 SP windrower, 36', PU reel, fore/aft, Roto-Shears, rear axle susp., 920 hrs., pea auger. Must sell \$49,900 OBO. Can be seen at Shoal Lake Farm Equipment, Shoal Lake, MB. Call Ron at 204-895-1064.

1986 SERIAL IMPLEMENTS 722 SP, U11 pickup reel, 2130 hours, \$9,000 OBO. 204-638-8443, Dauphin, MB.

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MACDON 205 SWATHER 36', 410 hrs., mtd. roller, Roto-Shears, only cut canola, like new. Retiring. Harvey Linnen 780-838-7222, Raymore, SK.

YOUR CHOICE \$52,000: 2007 JOHN DEERE 4895, 30', PU reel; 2010 Case 1203, 36', PU reel. Both have new knives & guards. Call 306-746-7307, Semans, SK.

2000 8860 30' CASE/IH SP swather, low hrs., \$42,000; 2002 30' A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK

2004 MF 220XL, 25', SP PU reel, roto-shears, very good condition, \$35,000. Bill Gordon 306-768-2879, Carrot River, SK.

8100 HESSTON 30', DS, PU reel, new canvases guards & knife, field ready, \$18,500 OBO. 306-322-4755, Rose Valley, SK.

1998 35' WESTWARD 9300, \$60 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.

2014 CASE DH362 header 35', to fit CIH swather, like new, \$19,500. 306-861-4592, Fillmore, SK.

2002 WESTWARD 25', c/w side cutters and PU reel, 860 hrs., always shedded, \$45,000. 306-538-4687, Langbank, SK.

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2010 JD 36' A400, single swath, 571 cut hrs, dbl. knife dr., HID's, underbelly death roller, AutoSteer ready (not installed), \$79,900, S/N 1EOA400VAA360105. 306-237-4442, Areele, SK.

2013 M155 c/w D65 40' header, transport, 700 hrs., shedded, \$119,000. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

1999 MF 220 Series II, 26', DSA, PU reel, shedded, \$29,900. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

NEW 2016 M205 c/w D65 40' header, transport, weight box, last ones w/o DEF. Cam-Don Motors 306-237-4212 Perdue SK

MF 9430, 36', 800 hrs., mounted hyd. roller, shedded, very good, \$69,000. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

MASSEY FERGUSON 9420, shedded, 948 hrs., new guards and knife, GPS AutoSteer, \$50,000. Call 306-944-4520, Viscount, SK.

CIH 721, 21' PT autofold swather, batt reels, always shedded, \$2150. 306-946-7923, Young, SK.

1986 JD 2360 swather 30', diesel, 3504 hrs., new canvases last year, \$15,000. 306-843-7357, Battleford, SK.

28' PT SWATHER, very nice, good canvases, asking \$800. Phone 306-297-3209, Shaunavon, SK.

2012 JD D450 w/35' header, PU reel, mtd. roller, Roto-Shears, 550 hrs., exc., \$75,000 OBO. 306-297-7400, Shaunavon

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

JD 2420 SWATHER, gas motor, 21' double swath, \$3500. Call 780-875-5195 or text 780-808-3816, Lloydminster, AB.

SWATHER ACCESSORIES 4148

2014 CASE DH362 header 35', to fit CIH swather, like new, \$19,500. 306-861-4592, Fillmore, SK.

I/H VARIOUS 4151

1997 CASE/IH 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.

1995 CASE/IH 2188 combine, 3044 reg. 3957 eng. hrs., 1015 header, Rake-Up PU, new drapers, chopper, Kirby spreader, pea concave, hopper extension, long auger, new parts, (feeder house drive and reverse), oil change, new batteries, excellent rubber, field ready and stored inside. Retired! \$34,500 OBO. Call 306-252-2810 or 306-567-7281, Kenaston, SK.

1985 IH 1460, approx. 4100 engine hrs., large tires on frt/rear, triple ram header lift, accelerator on std. IH rotor. Regular inspections, always shedded, no PU header, \$8500 OBO. 306-394-2119, Coderre, SK

1990 CIH 1680, all updates, vg cond, 4500 hrs, PU & PU header. Norm 306-857-2117, 306-867-3998, Strongfield, SK.

I/H VARIOUS 4151

1988 CASE/IH 1660, SP, 3800 eng. hrs, field ready, vg condition, \$8500. Call 306-621-3868, or 306-963-2731, Imperial, SK. Email: vahil41@gmail.com

1995 CIH 2188, 3997r/5306e hrs., AFX rotor, rice cone, custom combine pkg., 2 spd. trans., yield & moisture monitor, inter-nal chopper, Urvold spreader, good rubber, yearly inspection, Trimble 750 EZ-Steer, 2015 PU, 810 30' header, shedded, vg cond. 306-885-4545, Sedley, SK.

1998 CIH 2388 Axial Flow, 3790 eng. hrs., 2742 sep. hrs., CIH Victory PU, 30.5x32 and 14.9x24 rubber, 2nd set large wire concaves, good cond., \$54,000. Kipling, SK. 306-736-7683, cuham@sasktel.net

2004 CASE/IH 2388, 1850 rotor hours, field ready, good condition, \$75,000. Call 306-745-7653, Stockholm, SK.

2009 CIH 7120, 1997 eng. 1627 rotor hrs., new concaves, rasp bars and batteries, vg, \$165,000. 306-774-3262, Swift Current, SK.

BOOKING NORCAN SOYBEAN: Put the new big red in your shed, not the seed dealers! Buy a bigger Case IH combine! Early discounts. Call Norcan Seeds at 204-372-6552, Fisher Branch, MB.

2005 CIH AFX 8010, 2378 eng. hrs., 1855 sep. hrs., fully loaded, mint cond., shedded \$110,000. 204-751-0046, Notre Dame MB.

1992 CIH 1680 combine, Cummins eng., Specialty Rotor with accelerator kit, hyd. reverser, airfoil chaffer, CIH 1015 PU header. All new Shaker bushings, field ready condition, \$16,000; 25' grain header also avail. 204-447-2590, 204-447-3116, Ste Rose du Lac, MB.

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

1994 1688 CIH, with speciality rotor, hopper topper, 1015 PU, w/2002 30' 1042 draper header, pea auger, and lifters. \$35,000, Call 306-483-8323, Carnduff, SK.

2000 CASE/IH 2388 w/1015 header, \$65,000; 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/IH 7010, dual wheels, w/2016 header, \$170,000. Call A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

2009 CASE/IH 9120, 1100 machine hrs., 1400 eng. hrs, 900/60/R32 tires, 2016 header, fine cut chopper, electric tarp, shedded, \$167,000; 35' MacDon 974 flex straight cut header, slow mover, split reel, fore/aft, pea auger, \$23,000. Combine with both headers asking \$175,000. 306-862-5993, 306-862-7138, Nipawin, SK

1998 2388, 4200 eng. hrs, 3200 threshing hrs., \$26,000; 2002 30' 1020 flex header, \$9500, 306-567-3128, Bladworth, SK.

1997 CASE/IH 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.

1995 CASE/IH 2188 combine, 3044 reg. 3957 eng. hrs., 1015 header, Rake-Up PU, new drapers, chopper, Kirby spreader, pea concave, hopper extension, long auger, new parts, (feeder house drive and reverse), oil change, new batteries, excellent rubber, field ready and stored inside. Retired! \$34,500 OBO. Call 306-252-2810 or 306-567-7281, Kenaston, SK.

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CASE/IH
4160

CIH 8010 CAB complete, in good condition, \$13,800. Call 1-800-667-4515 or visit www.combineworld.com

2012 CIH 8230, 1301 eng. hrs., 868 rotor hrs., exc. cond., field ready. 780-872-8209, 306-823-4456, Neilburg, SK.

1991 CASE 1680, reconditioned w/lots of new parts, field ready, c/w 1015 header, \$25,000; Also 1010 straight cut hdr., 30' batt reels, fore/aft, skid plate, \$8500 w/transport. Both in exc. cond. and always shedded. 306-661-7477, Fox Valley, SK.

2006 CASE 2388, w/straight cut header, 2409 original hrs., new eng. 3 yrs. ago, currently serviced Dec./16. Have WO records, one owner, field ready, \$80,000 firm. Ph 306-861-1015, Weyburn, SK.

2011 CIH 8120, 1400 hrs., \$47,000 w/o 100 hrs. ago. 16' Swathmaster, field ready, \$149,000. 306-370-8010, Saskatoon, SK.

2002 CASE/IH 2388, PU, long auger, hopper top, chopper, field ready, priced to sell! Call 306-654-7772, Saskatoon, SK.

2005 CASE/IH 8010, chopper, PU header, duals, very nice condition, priced to sell! Call 306-654-7772, Saskatoon, SK.

CATERPILLAR LEXION
4160

2014 760TT, loaded 700/1000 hrs., \$325,000 Cdn OBO; 2014 760, 600/900 hrs., RWA duals, exc. cond., \$285,000 Cdn OBO; 2011 750, 900/1400 hrs., duals exc. cond., \$189,500 Cdn OBO; 2010 560R, only 500 sep. hrs., exc. cond., field ready, \$159,500 Cdn OBO; 2006 590R, 1800/2900 hrs., loaded, duals, RWA, \$99,500 Cdn OBO; 2013 MacDon FD75, 35' flex draper, exc. cond., \$65,500 Cdn OBO. Delivery available. 218-779-1710.

2005 LEXION 580R, 2300 eng. hrs., 1675 sep. hrs., MAV chopper, 1 owner; 2005 LEXION 580R, 2440 eng. hrs., 1700 sep. hrs., MAV chopper, HP header, hds. AWD. Both w/Cat C13 400 HP. Both dealer serviced, field ready, and new Sunnybrook cylinder and concave last season. 204-224-3532, 204-981-3080, Dugald, MB.

2002 MACDON 872 ADAPTER for Cat Lexion and Claas, \$5500. 306-693-9847, Moose Jaw, SK.

FORD/NIH
4172

2011 CR9070 NH combine, 1318 thrs/1656 eng, 15' Swathmaster PU, \$30,000 in maintenance since harvest 2016, excellent condition, \$185,000. Call for details, 306-497-7511, Blaine Lake, SK.

LIKE NEW 2014 CR8090, loaded, only 300 sep. hrs., \$299,000 Cdn OBO. Call 218-779-1710. Delivery available.

NH TR98, 1877 threshing hrs., hopper extension and tarp, auger extension, 2 spd. rotors, var. spd. feeder house, always shedded, well maintained, field ready, vg cond, \$38,000. 306-231-9255, St. Brieux, SK.

BOOKING NORCAN SOYBEANS: Keep the gold in your tank, buy a bigger NH Combine! Discounts on now! Call Norcan Seeds at 204-372-6552, Fisher Branch MB.

NH TR85, ONE OWNER, 3600 hrs., hydro, electric stone trap, big tires, excellent condition, 204-867-5363, Minnedosa, MB.

1991 NH TX36, with newer Sunnybrook cylinder and new feeder chain, 2770 hrs., \$25,000; NH 971 24' straight cut header, \$4000. Call 204-638-8443, Dauphin, MB.

1994 TR97, 2681 thrs/3630 eng. hrs. intake & exhaust valves done, Swathmaster PU, Redekopp chopper, hopper top, \$15,500 OBO. 306-929-4580 Albertville SK

1997 NH TR96, Cat V8 eng., 3882 eng. hrs., 2892 threshing hrs., newer rub bars, concaves, good 30.5x32 tires, new chaffer \$9000; 1998 NH TR98, Ford six cyl., 3721 eng. hrs., 2547 sep. hrs., good 30.5x32 tires, Redekopp chopper, Rake-Up PU, \$20,000; 30' NH 94C header, TR adapters, lifters, \$18,500. 306-932-4452, Plenty, SK.

NH TR85, 3208 engine, used for peas, c/w 222 JD flex header, PU header, \$5000. Call 306-380-2541, Saskatoon, SK.

GLEANER
4175

1985 GLEANER N7; 1984 Gleaner N7 and 1984 Gleaner N6. All 3 combine are in excellent field ready condition. Phone 306-675-4419, Ituna, SK.

GLEANER S77 SALVAGE, duals, pickup and many good low hour parts still available. Call us now! 1-800-667-4515 or visit: www.combineworld.com

GLEANER M3 HYDRO., approx. 2500 eng. hrs. good conditions. Call for details, 306-257-3578, Allan, SK.

R-7 GLEANER w/30' straight cut header, two 14' PU headers w/PU's, exc. cond, asking \$12,000. 306-944-4520, Viscount, SK.

2 GLEANER R7's complete with PU, both work well, \$15,000 and \$10,000. 403-556-2609, Olds, AB.

JOHN DEERE
4178

(2) JD CTS Combines: 95-2750 sep., 96-3700 sep., 914 PU, professionally maintained, very reliable, many options, updates & modifications make machines suitable for all crops & gentle on pulses. 930F and 30' HoneyBee also available. \$39,000. Call 306-690-8010, Moose Jaw, SK.



1990 JD 843 Corn Head, new rollers, shedded, good condition, \$7000 OBO. Please call 204-324-4240, Altona, MB. Email: Rschwartz4240@icloud.com

1997 JD 9600, 2322 threshing/3086 eng. hrs., dual range cyl., DAM AHHC, DAS auto PU/reel speed, JD chopper & chaff spreader, frequent Greenlights, well maintained, shedded, exc. cond., \$52,000. Muenster SK. 306-682-4188, jimmes@sasktel.net

2000 JD 9650STS, 2957/4123 hrs., 914 PU, 2016 Greenlight, big top, shedded \$64,500; 930F, AWS air reel, fore/aft, lentil/pea dividers, Traittech flex carrier, exc. cond., \$14,500. 306-230-2417, Alvena, SK.

JOHN DEERE
4178

2003 JD 9750STS, Contour Master, 914 PU, upgraded air cleaner, 2016 Greenlight, big top, GreenStar, duals, \$112,500; 2008 630F Hydra Flex header, 2016 AWS, fore/aft, lentil/pea dividers, Traittech flex carrier, exc. cond., \$32,500. 306-230-2417, Alvena, SK.

2006 JD 9860, 615 PU, 900/60R32, Contour-Master. New in 2016: Feeder chain, chopper, grain elevator chain, rear beater, good cond., \$102,500 OBO. 306-540-9339 Raymore, SK. tbenson@sasktel.net

2009 JD 630D Draper Header, 600-900 ac./year, top cross auger, fore/aft, c/w factory transport, always stored properly, \$43,000 OBO. Please call Riley 204-526-0524; or Cale 204-720-7282. Glenboro, MB.

2009 JD 9870, farm equip. dispersal. 1475 hrs., 1070 sep. hrs., exc. cond., \$205,000 OBO. 780-623-1147, Lac La Biche, AB.

2011 JD 9870 w/615P, 1559 eng./1078 sep. hrs.; 2010 JD 9870 w/615P, 1575 eng./1081 sep. hrs., excellent condition. 306-231-6941, Pilger, SK.

2016 JD S680 PRWD combine, 372 hrs., 580/85R42s with duals, high wear pkgs., chopper w/PowerCast tailboard, 26' auger, PowerGuard Warranty til September 2021, \$319,500 USD. www.ms-diversified.com Call 320-848-2496 or 320-894-6560.

2011 9870, loaded w/options, only 700 sep. hrs., \$219,000 Cdn OBO; 2010 9770, loaded w/options, only 690 sep. hrs., \$215,000 Cdn OBO. Both excellent & only used on small grains. Call 218-779-1710.

2001 9650 JD, Greenlighted every year, new Bullet Rotor and concaves in 2016, field ready, 2692 hours, \$65,000. Call 204-873-2263, or 204-825-8211, Crystal City, MB.



2013 JD S690, 1830 eng./1174 sep. hrs., loaded w/all the premium features, incl. Harvest Smart, 400 bu. folding grain tank, 5 spd. feeder house, RWA, Rice and Cane tires all around, well maintained, always shedded, Extensive repairs wear parts, complete list can be provided. \$320,000. 204-612-6531, 204-981-3636, Cartier, MB.

2000 JD 9750-STS, 2980 separator hrs., 3966 engine hrs., w/dual wheel kit, \$60,000. 306-896-2311, Langenburg, SK.

2 JD 9650 WALKER combines, 1 purchased new in 2003, 2237 sep. hrs., low acres in last 4 years, always shedded. Purchased 5 years ago (2002 yr.), 3423 sep. hrs., large work order at time of purchase, new eng., major Greenlight. Low hrs. on major work order. Both machines field ready. Retiring Harvey Linnen 780-838-7222, Raymore SK

JD 7721 PT Titan II, very little acres last in five years, needs a gearbox, shedded, open to offers. 306-577-7164, Kiskey, SK.

STRAW WALKER COMBINE, ideal for baling: 2006 JD 9660 WTS, 914 PU, duals, 2300/1550 hrs., \$132,500. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

1994 JD 9600, 4890 separator hrs., 3470 eng. hrs., 150 hrs. since Greenlighted. 914 PU header, top hopper, chaff spreader, ideal for baling straw, field ready, always shedded. No longer farming, \$30,000. Call 306-567-2978, Davidson, SK.

1997 JD 9400, 2114 eng. hrs., 1626 sep. hrs., ext. range cyl. drive, Y&M, long auger, new: PU belts, feeder chain, rub bars and concave, straw chopper, spreader, 914 PU, exc. cond., \$50,000. Call Dave Klein, 306-957-4312, 306-695-7794, Odessa, SK.

2001 JD 9650 STS, 2843 threshing hrs., 4108 eng., 18 hrs. since Greenlight, 2 sets of concaves, new small wire concaves, very nice, \$77,000. 306-648-2801 or 306-648-7848, Gravelbourg, SK.

2009 JD 9670, loaded, w/PU header, 1500 hours, shedded, \$151,000. 306-625-7939, Kincaid, SK.

JD FINAL DRIVES: Used and rebuilt for 9400-9610, CTS & STS. Sold w/warranty. 1-800-667-4515, www.combineworld.com

2013 JD S690, 730 sep. hrs., 615 PU header, 520x42 duals, powercast tailboard, Pro-Drive, power fold hopper ext., \$15,000 w/o, \$319,000. 306-948-7223, Biggar, SK.

2002 JD STS, 914 PU header, 2938 threshing hrs, 4329 eng. hrs, good tires, Redekopp fine cut chopper, long unloading auger, Howard Concave, one season on new lewars, \$25,000 Greenlight done last winter, \$67,500. 306-843-8223 (msg), Landis.

2009 JD 9770, 1393 hrs., Contour-Master feeder house, AutoHeight control, AutoSteer ready, Firestone rubber, camera system, electric roll tarp, vg, shedded, field ready \$175,000. 306-859-7804, Beechy SK.

1986 JD 8820 Titan II combine w/PU header, \$12,000. Good cond., field ready. 306-493-2762, 306-493-7324, Delisle, SK.

2003 9650 STS, duals, hopper and auger extension, 914 PU, 930 flex header, Cray air bar, 2015 Arc Fab trailer, 30' HoneyBee batt reel, pea auger, 3357 engine hours, 2537 separator hours, \$115,000. Call 306-962-4413, Eston, SK.

2008 JD 9770 STS, Greenlighted, Powercast tailboard, shedded, high capacity lift cyl., 38' duals, fully loaded. \$195,000 OBO. Call 306-463-8774, Kindersey, SK.

2- JD 8820 combines, one w/new motor, one has been shedded, both field ready. 780-205-8100 leave msg., Lashburn, SK.

MASSEY FERGUSON
4181

2 MF 850 combines, always shedded. Also MF 20' straight cut header w/batt reels. All in good cond., priced to go. 306-250-1106, Blaine Lake, SK. edvyo@sasktel.net

2012 MF 9560 Combine, AutoSteer, duals, 45' FD70, PU header, \$325,000. Call 306-375-7645, Kyle, SK.

MF 9790, w/4000 header, Swathmaster PU, 2953 eng. hrs., 2080 sep. hrs., S/N 9790HM36152. 306-736-2850, Kipling, SK.

2013 CHALLENGER 560C (Massey 8560) flex header, 587 sep. hrs., c/w PU header, duals. Retired, mint unit. \$320,000 OBO. 306-345-2039, Pense, SK.

MASSEY FERGUSON
4181

1975 MF 750 SP diesel combine, chaff spreader, straw chopper, PU, shedded, exc. shape. 306-549-4701, Hafford, SK.

1994 MF 8460 Conventional, 2850 hrs., Mercedes, Rake-Up PU, shedded, good. 306-944-4325, 306-231-8355, Bruno, SK.

1983 MF 850 combine, shedded, 354 diesel, 6 cylinder, 388 Melroe PU, vg cond., hydro, 306-367-2043, Middle Lake, SK.

2013 MF 9540 800 sep. hours, shedded, MF pre-season check over, ready to go! Local trade, vg. 0% OAC. Cam-Don Motors 306-237-4212, Perdue, SK.

2011 MF 9895, 1110 threshing hrs, shedded, vg, MF pre-season check, local trade, 0% OAC. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

1987 MF 8560, rotary, 4077 hrs., PU header, straw and chaff spreaders, runs well, \$8000. 306-831-8757, Elrose, SK.

MASSEY 750, PERKINS dsl., c/w Melroe PU header, straw chopper, recent concave and rub bars, good condition, \$1900. Call Frank 306-463-2407, Kindersley, SK.

WHITE
4190

1984 WHITE 8900 combine, Perkins diesel, Melroe pickup, 20' straight cut header, 4353 hrs., bought new, always shedded. Call 204-886-2247, Teulon, MB.

WHITE 8900, 4500 hrs., shedded, comes with pickup and straight header. Open to offers. Call 204-324-8080, Altona, MB.

COMBINE ACCESSORIES

COMBINE HEADER
4199

2014 JD 635D header, premium condition, cut 2500 acres total, cross auger, poly skids, and transport. Retiring, must go! \$60,000 OBO. 204-734-0361, Swan River, MB. cgust@xplornet.com

HONEYBEE SP36 RIGID Draper Header, AFX adapter, PU reel, fore/aft, pea auger, auto height, new knife, factory transport, field ready, \$22,000. Please call 306-689-2660, 306-587-7785, Lancer, SK.

2008 CAT F540 Flex Header, AWS air reel, Cray fine cut knife system, \$25,000; 2006 CAT F540 Flex, field ready, \$18,000. 204-224-3532, 204-981-3080, Dugald, MB.

2011 MACDON 45' FD70, split reel, double knife drive, gauge wheels, slow speed transport, CIH or JD adapter, good condition, \$59,900. Pea auger available, delivery available. 204-324-4277, Altona, MB.

2008 JD 936 straight cut header, w/transport, PU reel, canvas, 3 height sensors, 1 new spare knife, good condition, \$27,500. Call Ray, 204-248-2032 or 204-745-7134.

2009 CIH 2142, pea auger, new canvases, exc. condition, w/slow speed transport. 204-744-2208, St. Leon, MB.



2012 MACDON FLEX draper header 45', cross auger, split reel, JD hook up, slow spd. transport, very good condition, field ready, \$72,000. Can deliver. Call any time 204-743-2324, Cypress River, MB.



PEA AND CROSS AUGERS. Harvest bushy crops with a draper header. 50% to 100% increase in productivity. Pay for themselves in 400 acres or less. In stock and ready for delivery!! Call 1-888-907-9182, www.agshield.com

2014 CIH 3152 40' Straight Cut Header, mint condition, \$36,000. 204-648-7129, Grandview, MB.

PEA/CANOLA CROSS augers for MacDon & JD Headers, in stock & ready to go! 2010 JD 635F HydraFlex Header, very clean, ready to go. 204-673-2382, Melita, MB.

FLEX HEADS: JD 925, 930, CASE #1020 30'; #2020, 35'; 1010 PU header, \$3000. 1-866-938-8537, Portage la Prairie, MB.

WHITE MF 9230 30' straight cut header, fits White 9700, 9720 and MF 8570, 8590, \$4000 OBO. 204-794-5979, Springfield MB

AGCO FLEX PLATFORMS: 1996 GI 500 flex platform, 30', \$12,900; 1999 GI 800 flex, 30', reconditioned, \$17,900; 2000 GI 8000 flex, 25', reconditioned, \$18,900; 2003 GI 8000 flex, 30', reconditioned \$19,900; 2005 GI 8000 flex 30', air reel, field ready, \$24,900. Gary Reimer, 204-326-7000, Reimer Farm Equipment, Hwy.#12 North, Steinbach, MB.

CIH FLEX PLATFORMS: 1998 CIH 1020 flex platforms, reconditioned, 25' \$14,900; 30' \$15,900. Air reel add on \$6000; 2009 CIH 2020 flex platforms, reconditioned; 30' \$19,900; 35' \$24,900. Air reel add on \$6000; 2011 CIH 3020 flex platform, reconditioned, \$27,900; 35', \$32,900. Air reel add on \$6000. Delivery included. Gary Reimer, 204-326-7000, Reimer Farm Equipment, Hwy.#12 North, Steinbach MB

2008 NH 88C FLEX DRAPER, 42', PU reel, poly skids, reconditioned, delivery included, \$19,900; New Harvest International, 42' header trailer, brakes, lights list price \$12,900. Price with platform \$6500. Gary Reimer, 204-326-7000, Reimer Farm Equipment, Hwy.#12 North, Steinbach MB

NEW HOLLAND FLEX PLATFORMS: 1998 NH 973, 25', reconditioned \$12,900; 1998 NH 973, 25' reconditioned \$15,900; 1999 NH 973, 30' reconditioned \$16,900; 2002 NH 73C, 25' reconditioned \$17,900. Gary Reimer, 204-326-7000, Reimer Farm Equipment, Hwy.#12 North, Steinbach MB

MACDON 94 FLEX DRAPER w/873 Case adapter, single point, fore/aft, hyd. tilt, skid plates, pea auger, transport, new centre canvas. 204-648-4649, Dauphin, MB.

COMBINE HEADER
4199

JD FLEX PLATFORMS: JD 925 flex platforms, 25', steel divider, field ready \$10,900; JD 925, 25' poly divider, reconditioned, \$14,900; JD 925F, full finger auger, poly divider, reconditioned, \$16,900; JD 930F, f/f auger, field ready, \$17,900; JD 930F, f/f auger, reconditioned, \$18,900; 2004 JD 635 hydra flex, 35', field ready, \$14,900; 2007 JD 630 hydra flex, 30', reconditioned, \$24,900; 2008 JD 630 hydra flex, 30', reconditioned, \$25,900; 2009 JD 630 hydra flex, 30', reconditioned \$26,900; 2004 JD 635 hydra flex, 35', air reel, field ready, \$20,900; 2008 JD 635 hydra flex, 35', reconditioned, \$26,500; 2009 JD 635 hydra flex, 35', reconditioned, \$27,900; 2009 JD 635 hydra flex, 35', air bar, reconditioned, \$33,900; 2011 JD 635 hydra flex, 35', reconditioned, \$32,900. Gary Reimer, 204-326-7000, Reimer Farm Equipment, Hwy.#12 North, Steinbach MB

2004 JD 630R straight cut header, PU reel, hyd fore/aft, full fingered auger, very nice, \$22,000. 306-743-7622, Langenburg SK.

2- JD 930D straight cut headers w/movers and PU reels. Retiring, Harvey Linnen 780-838-7222, Raymore, SK.

IH 1010 30' header, PU reel, new wobble box, knife and guards, \$6000. Call 306-483-7234, Carnduff, SK.

COMBINE DRAPER HEADERS: 2008 36' HoneyBee, PU reel, transport, pea auger, AFX adapter, \$37,000; 2002 42' SP42 HoneyBee, PU reel, transport, pea auger, CAT adapter, \$16,000; 2000 36' 1042 Case/IH, PU reel, Case adapter, \$14,000; 2010 40' 2152 CIH, PU reel, transport, AFX adapter, \$55,000; 2013 40' 2152 Case/IH, PU reel, transport, AFX adapter, \$65,000; 2010 40' D60 MacDon, PU reel, pea auger, transport, JD adapter, \$60,000. A.E. Chicoine Farm Equip 306-449-2255, Storthoaks, SK.

2011 JD 635 flex platform, hydra flex 35', poly skids, single point hookup, Cray air reel system, field ready, \$33,000; 2010 JD 635 flex platform, hydra flex, single point hookup, Cray air bar system, field ready, \$31,000. Gerald or Glenn Walkeden, 306-861-6849, 306-861-7782, Tribune, SK

2009 MACDON FD70, 35', \$45,000; 36' Honey Bee, \$31,000. Both shedded, w/JD adaptors. 306-625-7939, Kincaid, SK.

2004 MACDON 973 30', JD adaptor, always shedded, low acres, excellent condition, \$306-476-7542, Rockglen, SK.

2004 36' HONEYBEE header, JD adapter, always shedded, very good condition, \$24,000. Call 306-536-1650, Truax, SK.

2010 HONEYBEE SP40, DKD, transport, for CNH combines, nice condition, \$29,800. Call us at 1-800-667-4515 or visit www.combineworld.com

TRACTORS

ALLIS/DEUTZ 4272

TWO 1967 ALLIS CHALMERS 190's: 1 is 75HP w/belt pulley; Other is 90HP w/FEL. Both in fair shape with PTO, 2 hyds. and cab. Taking offers. Call 204-623-7533 or 204-620-4523, The Pas, MB.

CASE/IH 4286

1989 CIH 7140, MFWD, approx. 9750 hrs., 2500 hrs. on engine rebuild, open to offers. 204-937-0287, Shortdale, MB.

2001 MX120 w/loader; 2000 MX135; and 2008 Maxim 140 w/loader. 204-522-6333, Melita, MB.

2013 140A FARMALL Case/IH w/loader, 1800 hrs., \$82,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

2009 CASE/IH 435, Outback guidance, 710/70 tires, rear weights, std. trans., 4 hyds., 1700 hrs., shedded, asking \$163,000. Nipawin, SK. Call 306-862-7138 or 306-862-5993.



2009 CIH PUMA 165 MFWD, 2345 hrs., 18 spd. PS, 540/1000 PTO, 3 hyds., singles, LH reverse, very clean unit, \$79,800. 1-800-667-4515, www.combineworld.com



2008 CIH 535 Quad Trac, 535 HP 5204 hrs., 16 spd. PS, weights, 30" tracks, new front tracks, nice cab, \$182,800. 1-800-667-4515, www.combineworld.com

JOHN DEERE 4295

2013 JD 9410R, 4WD, PS, 1480 hrs., 1000 PTO, high flow hyd. w/5 remotes, leather trim, premium HID lights, 620/70R42's, \$199,500 USD. www.ms-diversified.com Call 320-848-2496 or 320-894-6560.

BOOK NORCAN SOYBEANS so you keep more green. Buy a bigger John Deere with the savings! Early discounts. Call Norcan Seeds at 204-372-6552, Fisher Branch MB.

MITCH'S TRACTOR SALES LTD., 204-750-2459 (cell), St. Claude, MB. Mitchtractorsales.com JD 2550, 2 WD, 3 PTH, 2 hyds, w/245 loader; JD 2950, 2 WD, CAH, 3 PTH, 2 hyds; JD 2955, MFWD, 3 PTH, 2 hyds, w/loader; JD 3150, MFWD, 3 PTH, 2 hyds, w/loader; JD 4030, 3 PTH, 2 hyds, Quadshift, w/loader; JD 4240, Quadshift, 2 hyds; JD 4440, 3 PTH, 2 hyds, Quadshift, w/loader; JD 4450, MFWD, 3 PTH, 15 spd., w/loader; JD 4650, 2 WD, Quadshift, 3 hyds., duals; JD 6410, MFWD, 3 PTH, PowerQuad w/LHR, w/loader, grapple; JD 6420, (2) MFWD, 3 PTH, AutoQuad, w/loader; JD 7200, MFWD, 3 PTH PowerQuad with loader; JD 7210, MFWD, 3 PTH, PowerQuad with loader; JD 7400, MFWD, 3 Pth, PowerQuad, w/loader; JD 7600, MFWD, 3 PTH, Power Quad with loader; JD 9600 combine.

VERS. 500, newer hyd. pump and rad, new batteries, 15 spd., 3 hyds., 3 PTH, PTO Big 1000, 18.4x38 duals adj, axles, recirculation heater 1500 watt, Cummins V8, AC, \$10,000 OBO. 204-967-2009 Kelwood, MB

STEVE'S TRACTOR REBUILDER specializing in rebuilding JD tractors. Want Series 20s, 30s, 40s, 50s, 7000s to rebuild or for parts. pay 10¢ \$5. Now selling JD parts. 204-466-2927, 204-871-5170, Austin, MB.

2003 JD 6920 MFWD, 160 HP front suspension, IVT transmission, 5700 hours, \$50,000. 204-648-7129, Grandview, MB.

WRECKING FOR PARTS: JD 8850 4WD, c/w (8) 24.5x32 Goodyear Dyna Torque tires 80+% tread, vg sheet metal; 1-877-564-8734, Roblin, MB.

UTILITY TRACTORS: JD 6200, 2 WD, open station with loader; JD 5520, MFWD w/cab, loader. 204-522-6333, Melita, MB.

2000 JD 7710, 5130 hrs; 2000 JD 8300; 2001 JD 7810; 2008 JD 7830, 5200 hrs. All MFWD, can be equipped with loaders. 204-522-6333, Melita, MB.

JD 2130 w/146 Loader, 3PTH, 1990 hrs., hi-lo, dual hyds., looks and runs like new, must be seen!! \$15,000. Call Randy at 204-729-5162, Brandon, MB.

2010 JD 9630, 530 HP, Michelin 800/70R38 tires, JD AutoSteer, \$239,000. 306-563-8765, Canora, SK.

JD 7330 FWA, 5542 hrs., w/JD 741 SL loader w/grapple and snow bucket. Loader never used. Tractor was not used for farming - used for pulling tires on ice road construction. Tractor in above avg. cond., very clean unit, shedded in summer. Retiring. Harvey Linnen 780-838-7222 Raymore, SK

2012 JD 9460R, full load, 1600 hrs., 2600 screen, PTO, great for grain cart, very clean field ready. Retiring. Harvey Linnen 780-838-7222, Raymore, SK.

NEW MANDAKO CATEGORY II 3 PTH for JD 7000 Series tractors, still in crate, \$2600. 306-744-7955, Saltcoats, SK.

2009 JOHN DEERE 9430, 4WD, 425 HP, 24 spd., 4 hyds., 710/70R42 duals, 4257 hrs., original owner, nice condition, asking \$185,000. 306-725-4286, Bulyea, SK.

1995 JD 8100, MFWD, 840 loader, powershift, new tires, 9043 hrs., exc. cond., \$76,000. 306-472-7704, Woodrow, SK.

2007 9620 W/PTO, 4060 hrs., leather, 800 tires. 48 gal/min, dozer to sit avail., \$189,000. 306-948-7223, Biggar, SK.

WHOLESALE PRICES ON JD Tractors. 2014 8245R, FWA, duals, 2 yr. factory warranty left, very good cond., possible trades. \$149,000 Cdn; 2012 9460R, 4 WD, duals, vg cond., \$230,000 Cdn. For more info. ph Neil 306-231-8300, Humboldt, SK.

1983 JOHN DEERE 8450 4WD, quad shift, PTO, 8200 hrs., \$22,250 OBO. 306-275-4440, St. Brieux SK.

1977 JD 4430 w/606 PT mower behind, very low hrs., always shedded, excellent condition. 306-717-2971, Saskatoon, SK.

MASSEY FERGUSON 4301



2011 MF 8680 MFWD, 2342 hrs., PTO, CVT, front and rear duals, \$124,800. 1-800-667-4515, www.combineworld.com



2014 MF 8680 MFWD, 667 hrs., PTO, CVT, 5 hyds., rear duals, \$174,800. 1-800-667-4515, www.combineworld.com

MF 1105 TRACTOR, works well, tires ok, great auger tractor, \$4500. 306-233-7305, Cudworth, SK.

MF 90 w/LOADER; MF 1100 w/loader; Case 2290 w/loader. 306-283-4747, 306-220-0429, Langham, SK.

NEW HOLLAND 4304

NH 22HP diesel yard tractor, 770 hrs., 5 attachments, \$10,000 OBO RB. For info. call Scott 204-590-6631, Winnipeg, MB.

2003 NH T4J50 w/full PS, 4700 hrs., mega flow hyd. 103 gal/min., 900 metric duals, \$119,000. 306-948-7223, Biggar, SK.

FORD 4307

FORD TW25, FWA, 6000 hrs., w/894 Allied loader, grapple, \$19,500. 306-640-8034, 306-266-2016 Glen, Wood Mountain, SK.

1979 FORD 6700, CAHR, w/90 HL Ezee On high lift loader, runs excellent, \$12,500. 306-238-4590, Goodsoil, SK.

FORDSON 671 TRACTOR w/7' cult. Select-O-Speed trans., exc. cond., pics available if interested. Call 306-378-7789, Elrose, SK.

VERSATILE 4310

1967 VERSATILE 118, 4 WD, Cummins V6 engine, smokes but runs good, small diffs, c/w parts tractor that has large diffs, good cond., \$4000 or will trade for an acreage tractor. 780-520-2987, La la Biche, AB. edzccorner@gmail.com

VERS. 500, newer hyd. pump and rad, new batteries, 15 spd., 3 hyds., 3 PTH, PTO Big 1000, 18.4x38 duals adj, axles, recirculation heater 1500 watt, Cummins V8, AC, \$10,000 OBO. 204-967-2009 Kelwood, MB

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LOADERS/DOZERS 4322

2010 DEGELMAN 7900 dozer, 18", good condition, fits NH T9060 and some Case tractors, \$22,000. 306-736-8897, Corning, SK. jeremybalogh@hotmail.com

2014 DEGELMAN 7900, 20' blade quick attach, exc. cond., \$30,000. 306-736-8897, Corning, SK. jeremybalogh@hotmail.com

MISCELLANEOUS 4325

EQUIPMENT, TREES AND HAYLAND: Combines: IHC 914, NH 1500, Massey 860; Co-op 550 swather; IHC TD crawler; Parting out: Allis 8030 tractor; Melroe 5 or 6 bottom plow; Tractor tires/rims; DT cult. For Rent Pasture/hayland, yardsite; Standing poplar. 204-268-1888, Beausejour, MB.

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MISCELLANEOUS 4325

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FARM LIQUIDATION: Antiques (cars, tractors, trucks); Augers; Combines; Cultivators; Diskers; Fencing posts; 1/2 ton trucks; Harrow/packer hitch; Haying equipment; Grain trucks; Rock picker; Rodweeder; Seed drills; Swather; Other smaller items. Trux, SK. For complete list, pics & pricing e-mail: p.tice@hotmail.ca

1986 JD 7721 Titan II combine; Versatile 4400 24' swather, gas, with PU reel; (2) Goebel 2300 bu. hopper bins on skids, 1 with 3 HP fan and propane burner; (2) Goebel 2500 bu. bins on wood floor; Metal Industries Ltd. 2700 bu. hopper bin on skids; Westeel 1650 bu. hopper bin on skids. 306-365-4643, Lanigan, SK.

NH CHAIN BALER, \$2500; Neuser grain vac, \$3000; 34' factory drill mover, \$2000; 72" Flexi-Coil harrows, \$5000; 80" Vers. harrow \$3000. 306-304-1959 Goodsoil, SK

WANTED: JD 9600 or 9610 or 2'; 25' Flex Header; 1957 Fairlane 500. Call 306-304-1959. Goodsoil, SK.

RETIRED: 2012 JD T-670 combine, 330 cyl hrs., 2013 JD 635 flex header, \$285,000; 2005 JD 4720 SP sprayer, 90', 1300 hrs., \$130,000; 2014 Farm King 13x70 auger swing away, PTO, \$20,000. 306-869-7141, 306-789-9992, Beaubier SK

WANTED 4328

WANTED: Older and newer tractors, in running condition or for parts. Goods Used Tractor Parts, 1-877-564-8734.

WANTED: A FINE CUT straw chopper to fit a JD 9600. Call 204-655-3458, Sifton, MB.

WANTED 4328

MF #36 DISCERS. Will pay top dollar and pick from anywhere. Phone Mike 306-723-4875, Cupar, SK.

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SOLIDLOCK AND TREE ISLAND game wire and all accessories for installation. Heights from 26" to 120". Ideal for elk, deer, bison, sheep, swine, cattle, etc. Tom Jensen ph/fax: 306-426-2305, Smeaton, SK.

WANTED 4300

DRILL STEM: 200 3-1/2", \$45/ea; 400 2-3/8", \$34/ea; 1000 2-7/8", \$36/ea. 306-768-8555, Carrot River, SK.

IRRIGATION EQUIPMENT 4300

WESTERN IRRIGATION: CADMAN Dealer. We BUY and SELL traveling guns, pumps, pipes, etc.; 1 Cadman 4000S wide body big gun, like new; Selling used pipe trailers & 10" pipe; Also EcoSmart water purification systems, no salt, no chemicals. Phone 306-867-9461 or 306-867-7037, Outlook, SK. E-mail: deraldreg@hotmail.com



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FORK LIFTS/ PALLET TRUCKS 4600



1976 CASE 586 rough terrain forklift, 4 spd. hydro, 6000 lbs. 15' lift, 4 cylinder diesel, 5760 hrs, nice condition, \$11,900. 1-800-667-4515. www.combineworld.com

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NEW AND USED generators, all sizes from 5 kw to 3000 kw, gas, LPG or diesel. Phone for availability and prices. Many used in stock. 204-643-5441, Fraserwood, MB.

2011 MAGNUM MMG55FH, 45KVA, 240 volts, 3 phase, 60HZ, self-contained, \$15,000; 2004 Wacker G50, JD, 480 volt, 3 phase, 60HZ, self-contained, \$11,000; Ex-Government Standby Units: 1981 Condec Lima 800KW, 16V92 Detroit, 1000KVA, 3 phase, 60HZ, \$25,000; 1981 Brown Boveri 500KW, 16V92 Detroit, 625KVA, 3 phase, 60HZ, \$20,000; 1988 New Age 400KW, 12V92 Detroit, 500KVA, 3 phase, 60HZ, \$15,000. Can-Am Truck Export Ltd, 1-800-938-3323, Delisle, SK.

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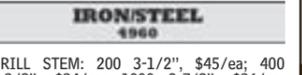
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Used pumping motors, PTO carts, 6" - 10" alum. pipe. Call Dennis to discuss your needs! 403-308-1400, Taber, AB.

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BISON/BUFFALO 5001

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BISON/BUFFALO 5001

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

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SIMMENTAL 5205

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

SPECKLE PARK 5215

4 SPECKLE PARK, 1 cow, 4 heifers, bred to Speckle Park Bull. Call 306-594-2904, Norway, SK.

CATTLE VARIOUS 5240

LOOKING TO LEASE cattle up to 60 cow/calf pairs. Lots of pasture, feed and clean water. 204-825-7621, Glenboro, MB.

20 HOLSTEIN STEERS for sale, 650 lbs., vaccinated and dehorned. Call 204-657-2431, Fork River, MB.

HERD DISPERSAL: 70 Black Angus cross pairs and 70 mixed pairs. Full herd health program. Pasture available. \$2800 per pair firm. Call 306-335-7875, Lemberg, SK.

BISON/BUFFALO 5001

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

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5765

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NOTICES
5925

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5785

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5790



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5925

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5943

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5947

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5952

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PETS

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NOTICES
5925

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5973

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6110

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CONDOMINIUM, "CASH TO Mortgage" purchase, 664 sq. ft 1 bdrm first floor at the Daxton in Silverspring. Modern decor, large bdrm & closet area, garden door to east facing deck, in-suite laundry, 1 titled UG parking stall. All appliances incl. Condo fees \$187. A/C, in floor heat, camera security entrance, close to all amenities. Direct bus route to Campus. Must qualify to assume mortgage. Immediate possession. Call Kim 306-290-4256. FSBO \$204,900 OBO. Saskatoon, SK. kimmkrienke@sasktel.net

IMMACULATE & BRIGHT Top Floor Corner Condo, built in 2005, 1272 sq. ft., 2 bdrm + den, 2 bath, wrap around balcony, underground parking and car wash, will sell furnished or unfurnished, \$324,999. 306-491-0901, Wildwood - Saskatoon, SK.

Advertise your unwanted equipment in the Classifieds. Call our toll-free number and place your ad with our friendly staff, and don't forget to ask about our prepayment bonus. Prepay for 3 weeks and get 2 weeks free! 1-800-667-7770.

COTTAGE/LOTS
6125

RESIDENTIAL LOT, ELBOW, SK for sale. Lot 7, Blk 2, Plan 88MJ16836, 125 Putters Lane. One block from golf course. 24.5 Meter frontage. Serviced by town. Will consider trade of RV, boat, truck, car, etc. \$29,500. Call Gerry 403-389-4858.

NEED a back yard retreat? We have tiny pre-built log cabins ready to be loaded onto your trailer. Plug and play models! Also log cabin logs and log siding. Call Rouch Bros., Lumby, BC., 1-800-960-3388 or visit: www.rouchbros.com

NOTICES
5925

HOUSES/LOTS
6126

FARM / RECREATIONAL / DEVELOPMENT PROPERTY FOR SALE BY TENDER

RM OF THOMPSON
SW ¼ 18-6-7- WPM
A Completed Tender and a \$10,000.00 deposit will be received up to 12:00 PM (noon) on Friday, September 8th, 2017 (the "deadline") at:
BROWN & ASSOCIATES LAW OFFICE
Box 1240, 71 Main Street, Carman, Manitoba R0G 0J0
Attn: Mona Brown
Ph: 204-745-2028
Fax: 204-745-3513
Email: tammy@brownlawoffice.org

PROPERTY FOR SALE:
Land for sale in the RM of THOMPSON:
SW ¼ 18-6-7- WPM - 162.40 acres in total
- 67 cultivated acres
- 95.40 acres suitable for recreation or development or clearing for agriculture
Current Farm Lease Agreement expires December 31, 2017.
Possession: September 22nd, 2017 - Vendor receives fall lease payment.

CONDITIONS OF TENDER
1. Tender to be in the form prepared by Brown & Associates Law Office. To obtain tender form or more info, contact Brown & Associates Law Office.
2. Tender must be accompanied by a certified cheque, payable to Brown & Associates Law Office (in trust), in the amount of \$10,000.00. Deposits of tender not accepted will be returned to the tenderers.
3. Highest Tender or any Tender will not necessarily be accepted.
4. The Possession date and the due date of the balance of Tender Price shall be September 22nd, 2017.
5. The maker of any Tender relies entirely upon his/her personal inspection and knowledge of the Land, independent of the representations made by the vendor or the solicitor and agent of the vendor. The Land will be sold "as is" and the bidder is solely responsible to determine the value and condition of the Land, Land quality, Land use, environmental condition and any other information pertaining to the Land.

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

TIMBER FRAMES, LOG STRUCTURES and Vertical Log Cabins. Log home refinishing and chinking. Certified Log Builder with 38 years experience. Log & Timber Works, Delisle, SK., 306-717-5161, Email info@logandtimberworks.com Website at www.logandtimberworks.com

NOTICES
5925

Manitoba Co-OPERATOR THE WESTERN PRODUCER Alberta Farmer EXPRESS AGDealer

COMBINED POWER & REACH

NOW OVER **35,000** AG LISTINGS

farmzilla
CANADA'S AG-ONLY LISTINGS GIANT

PRINT | MOBILE | ONLINE

AGGREGATING THE UNMATCHED INVENTORY AND MASSIVE REACH OF CANADA'S MOST TRUSTED BRANDS IN AG

PLACE YOUR AD: 1-800-667-7770 VISIT: farmzilla.com FOLLOW ON:



Manitoba Co-OPERATOR
THE WESTERN PRODUCER AlbertaFarmer AgDealer

Classified Ad Order Form

MAIL TO: Manitoba Co-operator
Attn: Classifieds
PO Box 2500 Stn. Main
Saskatoon, SK S7K 2C4

FAX TO:
306-653-8750

PHONE TOLL-FREE
IN CANADA: **1-800-667-7770**

Name: _____
Phone #: _____
Address: _____
Town: _____
Province: _____ Postal Code: _____

PLEASE NOTE: Even if you do not want your name & address to appear in your ad, we need the information for our files.

PLEASE PRINT YOUR AD BELOW:

I would like to take advantage of the Prepayment Bonus of 2 FREE weeks when I prepay for 3 weeks.

Classification: _____

No. of weeks _____

Minimum charge \$11.25/week (3 line word ad) _____

Each additional line \$1.98/week _____

VISA MASTERCARD

Card No. _____

Expiry Date: _____

Signature: _____

Minus 10% if prepaying: _____

Add 5% GST: _____

▶ TOTAL: _____

Published by
Glacier FarmMedia LP,
1666 Dublin Avenue,
Winnipeg, MB R3H 0H1

WINNIPEG OFFICE
Manitoba Co-operator
1666 Dublin Avenue,
Winnipeg, MB R3H 0H1

CONDITIONS
Manitoba Co-operator reserves the right to revise, edit, classify or reject any advertisement submitted to it for publication.

Manitoba Co-operator, while assuming no responsibility for advertisements appearing in its columns, exercises the greatest care in an endeavor to restrict advertising to wholly reliable firms or individuals.

Buyers are advised to request shipment C.O.D. when purchasing from an unknown advertiser, thus minimizing the chances of fraud and eliminating the necessity of refund if the goods have already been sold.

Ads may be cancelled or changed at any time in accordance with the deadlines. Ads ordered on the term rates, which are cancelled or changed lose their special term rates.

Manitoba Co-operator accepts no responsibility for errors in advertisements after one insertion.

If you wish to have replies sent to a confidential box number please add \$5.00/week to your total. While every effort is made to forward replies to the box numbers to the advertiser as soon as possible, we accept no liability in respect of loss or damage alleged to arise through either failure or delay in forwarding such replies, however caused.

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.

At Glacier FarmMedia LP we have a firm commitment to protecting your privacy and security as our customer. Glacier FarmMedia LP will only collect personal information if it is required for the proper functioning of our business. As part of our commitment to enhance customer service, we may share this personal information with other strategic business partners. For more information regarding our Customer Information Privacy Policy, write to: Privacy Officer, Glacier FarmMedia LP, 1666 Dublin Ave., Winnipeg, MB R3H 0H1.

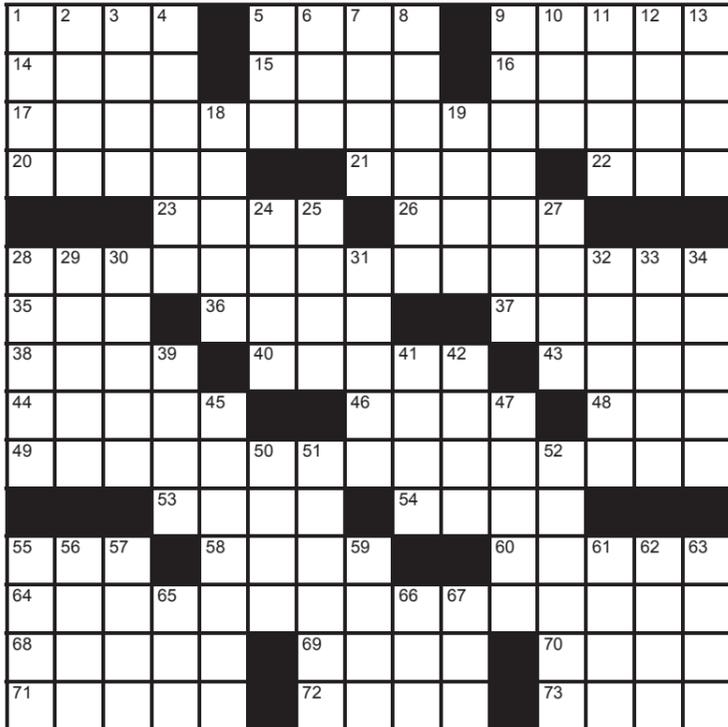
Occasionally we make our list of subscribers available to other reputable firms whose products and services might be of interest to you. If you would prefer not to receive such offers, please contact us at the address in the preceding paragraph, or call 1-800-782-0794.

The editors and journalists who write, contribute and provide opinions to Manitoba Co-operator and Glacier FarmMedia LP attempt to provide accurate and useful opinions, information and analysis. However, the editors, journalists and Manitoba Co-operator and Glacier FarmMedia LP cannot and do not guarantee the accuracy of the information contained in this publication and the editors as well as Manitoba Co-operator and Glacier FarmMedia LP assume no responsibility for any actions or decisions taken by any reader for this publication based on any and all information provided.

Crossword

by Adrian Powell

Just Chew This Over...



ACROSS

- 1 Ali who said "Open sesame!"
- 5 Something a horse might stand on
- 9 Missive from Hotmail
- 14 The Bard's river
- 15 Hydroxy acid, e.g.
- 16 Popular residence, these days
- 17 Pay homage to the herd's food, maybe?
- 20 Nitwit
- 21 Spinnaker, e.g.
- 22 Glum
- 23 Lhasa ____
- 26 Country music's Hank ____
- 28 Grazing deterrent?
- 35 Pay-____-view
- 36 Rank
- 37 WWII conference site
- 38 Protective shield (var.)
- 40 Poppa's partner
- 43 Cuzco's country
- 44 "You're ____ pal."
- 46 Wrestling successes
- 48 Instagram upload
- 49 Activities of a licentious cow, perhaps?
- 53 Errol Flynn's weapon, often
- 54 Equipment
- 55 Symbol of sagacity
- 58 Almost unique
- 60 Edam's mild cousin
- 64 Item that supposedly broke the camel's back
- 68 Leg bone

DOWN

- 7 100 satang, in Bangkok
- 2 State with certainty
- 3 Clavicle, e.g.
- 4 Ellesmere attire
- 5 This girl
- 6 Where almost 40% of Canadians live, briefly
- 7 Cries of delight
- 8 Coal-burning power plant pollutant
- 9 Environmental science
- 10 Stylish, in the '60s
- 11 Added stipulations
- 12 Item that comes to mind
- 13 Fauntleroy's title
- 18 Stimulant, slangily
- 19 Like some legal print
- 24 Pre WWII Thailand
- 25 In the know about
- 27 Prepare Christmas gifts
- 28 Old Whaling weapon
- 29 Manaus' river
- 30 Uranus' fourth largest moon
- 31 Conductors set them
- 32 Beth's preceder
- 33 Stretch mark, technically
- 34 Impudent
- 39 Commission-earning event, often

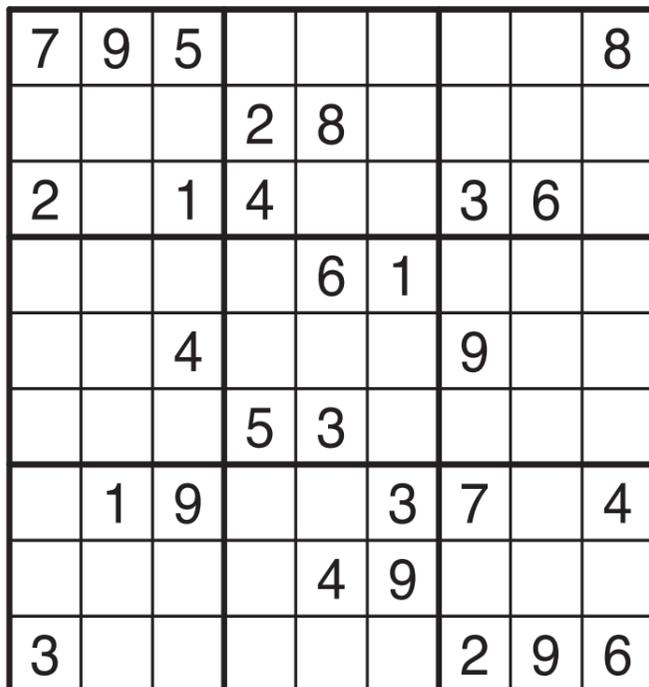
- 41 Very valuable vase
- 42 Fee to get dealt in
- 45 "Eavesdrop" from across the room, say
- 47 '70's haircuts
- 50 Just centimetres away
- 51 Hamster's smaller cousin
- 52 Tillating
- 55 Elects (to)
- 56 Court command
- 57 Ear piece
- 59 Wilde country
- 61 Bit of Pakistani patter
- 62 Roy's cowgirl
- 63 Bedazzles
- 65 Be in competition
- 66 Charles Dodgson ____ Lewis Carroll
- 67 Acid, to hippies

SOLUTION TO PUZZLE



TAKE FIVE

Sudoku



Puzzle by websudoku.com

Last week's answer

6	5	1	4	2	8	3	7	9
4	7	9	1	3	6	2	5	8
3	8	2	9	7	5	4	1	6
5	1	7	2	8	3	6	9	4
9	6	8	5	4	1	7	3	2
2	4	3	7	6	9	5	8	1
7	9	6	8	5	2	1	4	3
8	3	5	6	1	4	9	2	7
1	2	4	3	9	7	8	6	5

Puzzle by websudoku.com

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!

HOUSES/LOTS
6126

LOG AND TIMBER HOMES, Saskatoon, SK. Visit www.backcountryloghomes.ca or call 306-222-6558.

DWEIN TRASK REALTY INC. Great selection of quality affordable homes in rural SK. Check out 901 Ave. O South in Perdue. MLS#SK701830; 119 6th Ave. E. in Delisle, MLS#SK612719; Klassen acreage in Grandora, MLS#SK608373. For further info on these lovely homes and many more call Dwein Trask 306-221-1035; Amanda Coblter 306-221-5675; Victoria Bester 306-270-9740.

MOBILE HOMES
6127

1962 HOUSE TRAILER, 3 bdrm, 1 bath, 14x62. Recent upgrades. Kitchen appliances, washer and dryer included. Axles and tires still attached. To be moved by buyer. \$9000 OBO. 403-741-7886, Castor, AB. dietzelbelinda@hotmail.com

1996 SRI AVONLEA, 16x76 with 13x14 entry addition, 3 bdrm, 2 bath, \$40,000 OBO. 204-937-7202, Roblin, MB.

YELLOWHEAD MODULAR HOME SALES, Canadian built by Moduline. Elite sales event on now: 960 sq. ft., 2 bdrm, 2 bath, \$79,900; 1216 sq. ft., 3 bdrm, 2 bath, \$89,900; 1520 sq. ft., 3 or 4 bdrm, 2 bath, \$109,900. 306-496-7538, weekend calls. www.yellowheadmodularhomesales.ca

2007 HOMARK CS36, 3 bdrm, 2 bath, 16x80' plus 12x20' 2 room addition. F/S/W/D/W, water softener with reverse osmosis system, skirting, 504 sq. ft. deck, includes electric furnace. \$70,000 firm. 306-830-9335, Edam, SK.

SELLING

WWW.MEDALLION-HOMES.CA modular homes/lake houses/RTM's. Visit our sales lot, or check online for stock, homes and all other plans. Factory direct orders built to your specs! Trade-ins welcome, buy and sell used homes. Hwy 2 South, Prince Albert, SK. Call 306-764-2121 or toll free 1-800-249-3969.

READY TO MOVE
6128

PERFECT COTTAGE OR Granny Suite, 384 sq. ft., 1 bdrm, 1 bath, 16'x30' built in 2011 w/covered entry. Metal roof, vinyl siding. New furnace, duct work and insulated crawl in 2016. Very cozy! All appliances included. \$35,000. Prince Albert, SK. 306-940-7780, 306-922-6232, tanner_c@hotmail.com

RTM OR SITE BUILT Custom Homes and Cottages. 40 years experience. Call or text 204-324-7179, Don Ginter Construction, Altona, MB.

MOTIVATED TO SELL. Ready to move. Beautiful, well-kept, 1250 sq. ft., 3 bed., 2 bath single family home. Vaulted ceilings, large kitchen, jacuzzi off master bedroom, central air. Numerous renovations. 204-571-1254, elnicol@mymts.net

RTMS AND SITE BUILT homes. Call 1-866-933-9595, or go online for pictures and pricing at: www.warmanhomes.ca



J&H HOMES: Western Canada's most trusted RTM Home Builder since 1969. 306-652-5322, view at: www.jhhomes.com

READY TO MOVE
6128

HOME HARDWARE RTM Homes and Cottages. Phone 1-800-663-3350 or go online for floor plans and specs at: www.northbattlfordhomehardware.com

RECREATION PROPERTY
6130

ATTENTION WILDLIFE ENTHUSIASTS! Whether you are a hunter or photographer, check out this exceptional 82 acres of ideal property located just south of R.M.N.P. Also great for snowmobiling, snow shoeing and hiking into the park. All season creek for trapping. Call Mike Kufflick 204-721-1347 mkufflick@remax.net

PARK MODEL for sale, friendly smaller park in Yuma, AZ. Includes Arizona car, port, fully furnished, 2 pools, rec hall. Call 780-467-1915, Sherwood Park, AB.

FARM & RANCHES

ALBERTA
6132

355 ACRES CLOSE TO BROOKS! ID#1100570. This excellent, irrigated & level farm has #1 & #2 soil and is just 5 minutes from Brooks, AB. It has 2 homes with city water, a 40'x60' heated quonset, a 25'x42' barn with power and heat, 7 steel bins and a T&L pivot. The surface rights are \$39,000; 77.83 acres pivot irrigated farmland, Lethbridge; ID#1100592, 77.83 acres of pivot irrigated land close to the city of Lethbridge limits on pavement. Soil is suitable for various types of crops, presently in silage corn. 65 acres of permanent SMRID water applied with 2015 Valley pivot. MLS®. Real Estate Centre, 1-866-345-3414. For all our listings visit: www.farmrealestate.com

TURNKEY BISON OPERATION: 7 quarter sections of mixed bush/open ac. 2 developed yard sites, barn shop, auto, waterers, Bison herd, equipment, annual hay already in stack yard. Ready to move in and carry on. Must sell due to health issues. Peace River. 780-618-7007, Jbar12@icloud.com

SASKATCHEWAN
6133

FARM ACREAGE FOR Sale By Online Auction on www.bidwin.org 153 acre farm in lake country with house, shop and quonset, \$375,000. Qing Zhang, Landmart Realty, 306-684-0136. qing.canada@gmail.com <http://www.bidwin.org> Wakaw, SK.

FARMLAND NE SK(Clemenceau) 4 quarters plus 36 acre riverside parcel w/5 bdrm home. Featuring: bins on concrete with direct hit on railroad cars, 40 acres of mostly mature spruce timber, 2 farmyards- 1 bordering Etomami River and 50 miles of provincial forest, excellent elk hunting and other big game and goose. 580 acres wheat, mustard, barley & peas. Full line of farm and sawmill equipment also available Will separate. Reg Hertz, 306-865-7469.

NORTH BATTLEFORD AREA: 644 acres riverfront property, 2 log cabins, fenced, fantastic views, \$875,000; Near Elrose: 4 quarters deeded, 8 quarters leased, new home, complete yardsite w/outdoor riding arena, \$1,850,000; South of Kindersley: 160 acres with 2880 sq. ft. log home, shop, garage, beautiful property, \$990,000. Could be subdivided as an acreage, \$690,000. Arlene Boisjoli, Royal LePage Wheat Country Realty, Kindersley, SK., 306-463-4910 or 306-460-7785. Email royal3@sasktel.net View listings at www.royallepagekindersley.ca

FARMLAND FOR RENT: RM #156 Indian Head. Tenders open on 580 cult. acres heavy loam land until Sept 11, 2017. Incl. 13,300 bu storage. Please e-mail overview of crop, chemical & yard maintenance plans as well as proposed lease length & cash rental rate to: d.gress@sasktel.net

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

2.7 ACRES ADJACENT to Ministwank Lake, SK. Fully serviced. Call for information. 306-837-4731, pospisil@sasktel.net

KINDERSLEY AREA: 123 acres, 2 homes, 2 shops, Kindersley waterline, cash renter in place. \$695,000. Arlene Boisjoli, Royal LePage Wheat Country Realty, Kindersley, SK. 306-463-4910, 306-460-7785, email royal3@sasktel.net Amy Greenwood, 306-460-8692, amygreenwood@royallepage.ca www.royallepagekindersley.ca

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

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SASKATCHEWAN
6133



Tell you what, I'll take forty bucks for the trunk but you get rid of the skeleton yourself.

We know that farming is enough of a gamble so if you want to sell it fast place your ad in the Manitoba Co-operator classifieds. It's a Sure Thing. Call our toll-free number today. We have friendly staff ready to help. 1-800-667-7770.

SASKATCHEWAN
6133



HAMMOND REALTY RM 250 Last Mountain Valley. Beautiful acreage with a view of Last Mountain Lake. Well-maintained 4 bdrm. bungalow w/open concept kitchen and dining room, double attached garage, machine shed, workshop, barn, garden sheds and single detached garage. 159 acres with an additional 3 quarters of land available. Perfect for livestock. Alpaca herd is negotiable. MLS SK602798. \$663,000. Call Anne Morrow 306-435-6617.

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

FARMLAND FOR RENT: RM #156 Indian Head. Tenders open on 580 cult. acres heavy loam land until Sept 11, 2017. Incl. 13,300 bu storage. Please e-mail overview of crop, chemical & yard maintenance plans as well as proposed lease length & cash rental rate to: d.gress@sasktel.net

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

2.7 ACRES ADJACENT to Ministwank Lake, SK. Fully serviced. Call for information. 306-837-4731, pospisil@sasktel.net

FARMLAND FOR RENT: RM #156 Indian Head. Tenders open on 580 cult. acres heavy loam land until Sept 11, 2017. Incl. 13,300 bu storage. Please e-mail overview of crop, chemical & yard maintenance plans as well as proposed lease length & cash rental rate to: d.gress@sasktel.net

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

SASKATCHEWAN
6133

TOM@SASKFARMLAND.COM Borden 27 acre hobby farm. 2008 1440 sq. ft. home. ICF block basement, outbuildings, pasture, shelterbelts. \$409,000 MLS. Tom Neufeld 306-260-7838, Coldwell Banker.

TOM@SASKFARMLAND.COM RM of McCraney. 958 acres of good quality cult. dirt. Average assess. \$124,000/quarter. Tenant (2017). Will sell individual quarters. \$930,000 MLS. Tom 306-260-7838.

TOM@SASKFARMLAND.COM RM Torch River. Recreation 138 acres w/White Fox River running through. 30 acres in grain, 60 pasture. Minutes from Tobin Lake. \$165,000 MLS. Tom Neufeld 306-260-7838, Coldwell Banker.

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.

RM BENSON #35: For rent or crop share 80 acres hayland, brome/alfalfa mix for baling. For information call 306-931-6660.

BIG RIVER, SK. AREA: This gorgeous home/lodge is approx. 3100 sq. ft. on 3 levels including attached garage, with lots of open wood, large windows and local natural wood staircase. The home is heated with in-floor propane plus wood fire-place, solar panels and windmill. Most furniture is included. The quarter is 154 acres mainly bush, of which 140 acres is fenced w/8' game fence and 1 electric wire. The sellers also have a contract for raising organic chickens. There is just so much to see with this property to see and enjoy! MLS®611536. For viewing call Lloyd Ledinski, RE/MAX of the Battledors, 306-446-8800 or 306-441-0512.

RM OF SPIRITWOOD No. 496: Located 8.5 miles NE of Spiritwood, SK. is this 36.8 acre acreage with a 2100 sq. ft. 2 storey family home and double attached garage built in 1992. A well sheltered groomed yard, 32x48 natural gas heated workshop with cement floor and insulated walls. 40x60 high profile quonset, dirt floor. 2 water wells, 3 water bowls, older hip roofed barn and corrals with underground power. All major appliances remain and are natural gas. This acreage is a must see as it has so many possibilities! MLS® 610213. For viewing call Lloyd Ledinski at RE/MAX of the Battledors, 306-446-8800 or 306-441-0512.

158.57 ACRES OF PRIME FARMING NE of Saskatoon, SK. Great opportunity for the start-up farmer who doesn't want to be too far from a major city. The perfect farm if you are in the market to start-up farming or want to add more land to your existing land base. The property has a 1/4 section of good cultivated land. An older dairy and other outbuildings complete the package. MLS® ID#1100599. Real Estate Centre, 1-866-345-3414. For all our listings visit: www.farmrealestate.com

MANITOBA
6134

McCulloch Mooney Johnston Selby LLP
P.O. Box 450
175 Broadway Street
Treherne, Manitoba
R0G 2V0
(204) 723-2777
Attention: Bob McCulloch

FARMLAND FOR TENDER. SW-11-16-27, SE-11-16-27, SW-14-16-27, NE-22-16-27, SE-26-16-27, SW-23-16-27, NW-23-16-27 with yardsite, 58,650 bu. grain storage, two 40x60' quonsets. Tenders ending Oct. 6/17 mailed to Wady Farm Inc, Box 459, Birtle, MB. R0M 0C0. Highest or any tender not necessarily accepted. 204-773-0535, Birtle, MB. gtwady@gmail.com

ORGANIC FARM, 145 acres, 3296 sq. ft. home, potential for various business ventures! Call 204-937-3160, Bogy Creek, MB. Web page: bogyccreek.ca

MANITOBA
6134

FARM PROPERTY FOR SALE BY TENDER

Sealed tenders in writing for the purchase of the property described below will be received by **McCulloch Mooney Johnston Selby LLP** as follows:

PROPERTY FOR SALE (owned by LACROIX BROS. LTD.):

Parcel 1: N 1/2 28-8-7 Wpm Excepting Firstly - All Mines And Minerals As Reserved In The Original Grant From The Crown. Secondly - Out Of Ne 1/4 - Public Road Plan 2360 Mito

Parcel 2: The Se 1/4 Of Section 27-8-7 Wpm Exc Drain Plan 1260 Mito (C Div)

Parcel 3: Nw 1/4 22-8-7 Wpm Excepting Firstly - All Mines And Minerals As Reserved In The Original Grant From The Crown. Secondly - Public Road Plan 2360 Mito

Parcel 3 Contains A Yardsite With A Large Open Ended Machine/Hay Shed, A Barn, A Feedlot, A Double Garage/Shop, Two Single Car Garages And 10 Grain Bins With A Total Capacity Of 17,900 Bushels. Total Of 629 Acres Of Which Approximately 620 Acres Are Cultivated

CONDITIONS OF TENDER:

- Interested parties must rely on their own inspection and knowledge of the property.
 - Bids must be for the properties as a whole.
 - Bidding on separate quarters will not be accepted.
 - Tenders must be delivered to **McCulloch Mooney Johnston Selby LLP** by 2:00 p.m., September 15, 2017. Please mark on front of envelope "Lacroix Bros. Ltd. Tender".
 - Tenders must be accompanied by a \$10,000.00 deposit cheque payable to "MMJS". Deposit cheques accompanying unacceptable bids will be returned.
 - The highest or any tender will not necessarily be accepted.
- TERMS AND CONDITIONS OF SALE:**
- The bidder(s) whose tender is accepted will be required to complete an Agreement for Sale covering the terms and conditions of the sale.
 - For Income Tax purposes, the Purchasers may be requested to purchase the shares in the Corporation. As at the date of closing, the Vendors advise that there will be no liabilities, and no other assets in the Corporation.
 - Possession and Adjustment date will be December 31, 2017.
 - In addition to the deposit, the balance of the accepted tender must be paid on or before the date of closing or evidence provided that the purchase funds will be available under conditions acceptable to the Vendor. If the balance of the purchase price is not paid by the possession date or under such acceptable conditions, the deposit paid shall be forfeited as liquidated damages and not as a penalty.
 - The purchaser shall be responsible for payment of GST or shall self-assess for GST.

McCulloch Mooney Johnston Selby LLP
P.O. Box 450
175 Broadway Street
Treherne, Manitoba
R0G 2V0
(204) 723-2777
Attention: Bob McCulloch

Hit our readers where it counts... in the classifieds. Place your ad in the Manitoba Co-operator classified section. 1-800-667-7770.

FARM PROPERTY FOR SALE BY TENDER

Sealed tenders in writing for the purchase of the property described below will be received by **McCulloch Mooney Johnston Selby LLP** as follows:

PROPERTY FOR SALE (owned by the Lacroix family):

Parcel 1: The Ne 1/4 Of Section 21-8-7 Wpm Exc Firstly: Road Plan 2360 Mito And Secondly All Mines And Minerals As Set Forth In Transfer 48832 Mito (C Div) (Approx. 156 Acres - 153 Cultivated)

Parcel 2: The Se 1/4 Of Section 21-8-7 Wpm Exc Firstly: Road Plan 2360 Mito And Secondly: Road Plan 1203 Mito (C Div) (Approx. 155 Acres - 147 Cultivated) (The Se 1/4 Includes A Yardsite Containing 2 Large Enclosed Machine Sheds, 1 Open Ended Machine/Hay Shed, 1 Barn, 2 Feedlots, 1 Double garage/shop and 12 grain bins with a total capacity of 21,550 bushels)

CONDITIONS OF TENDER:

- Interested parties must rely on their own inspection and knowledge of the property.
 - Tenders must be delivered to **McCulloch Mooney Johnston Selby LLP** by 2:00 p.m., September 15, 2017. Please mark on front of envelope "Lacroix Family Tender".
 - Tenders must be accompanied by a \$10,000.00 deposit cheque payable to "McCulloch Mooney Johnston Selby". Deposit cheques accompanying unacceptable bids will be returned.
 - The highest or any tender will not necessarily be accepted.
- TERMS AND CONDITIONS OF SALE:**
- The bidder(s) whose tender is accepted will be required to complete an Agreement for Sale covering the terms and conditions of the sale.
 - Purchasers may bid on each parcel separately or on the half section as a whole.
 - Possession and Adjustment date will be December 31, 2017.
 - In addition to the deposit, the balance of the accepted tender must be paid on or before the date of closing or evidence provided that the purchase funds will be available under conditions acceptable to the Vendor. If the balance of the purchase price is not paid by the possession date or under such acceptable conditions, the deposit paid shall be forfeited as liquidated damages and not as a penalty.
 - The purchaser shall be responsible for payment of GST or shall self-assess for GST.

McCulloch Mooney Johnston Selby LLP
P.O. Box 450
175 Broadway Street
Treherne, Manitoba
R0G 2V0
(204) 723-2777
Attention: Bob McCulloch

MANITOBA
6134

JOSEPH AND KIM STREKER of Inwood, MB are offering the following private land for sale: N 1/2 06-19-01 W, SW 07-19-01 W. The successful purchaser will be considered by Manitoba Agriculture for possible transfer of the Crown land forage lease associated with this ranch unit. This forage lease currently consists of the following: N 1/2 05-19-01 W, S 1/2 06-19-01 W. If you wish to purchase the private land contact the Lessees Joseph and Kim Streker at PO Box 307, Inwood, MB R0C 1P0. If you wish to comment on or object to the eligibility of this Unit Transfer write the Director, Manitoba Agriculture, Agricultural Crown Lands, PO Box 1286, Minnedosa, MB., R0J 1E0, or Fax 204-867-6578.



OPPORTUNITY IS KNOCKING! BEAUTIFUL FARM! 2 homes on 320 ac. owned / 1280 ac. leased land. Completely renovated 1232 sq. ft. bungalow & outbuildings including 2 barns and heated shop. MLS# 1714632, \$439,900, Inwood, MB. Call Claudette: 1-888-629-6700, LJBaron.com

FOR SALE BY TENDER: RM of Grey, 160 acres south of Fannystelle, MB. NE 34-08-03 W, SE 35-08-03 W. Tenders will be accepted until September 1, 2017 to Susan Becker at sgbecker4@gmail.com or Box 292, Starbuck, MB., R0G 2P0. Preference to sell together however consideration may be given to selling parcels separately. Highest bid not necessarily accepted. Selected bid will be advised within three weeks of closing date.

3 QUARTERS WITH YARDSITE: 477 acres in a block. Mixed farm, 300 arable acres. Fenced and cross fenced, 2 shallow wells, 40'x60' machine shed, 34'x44' pole shed, barn, corrals, hay fence. 24'x32' bungalow, w/double attached garage. Located beside the Riding Mtn. National Park. Contact Karen Gorulak-Salesperson, 204-773-6797. NorthStar Insurance & Real Estate. MLS® 1701622. www.north-star.ca

CATTLE FARM - 11 quarters and 2 Crown quarters in a block. Near Roblin, MB. along the Duck Mtn. Prov. Park. Approx. 1100 workable acre, majority is hay. Fenced. Dugouts. May consider selling parcels. Scenic area. Yardsite has a 30'x66' pole shed/work shop, 2 cattle shelters. Corral. MLS #1627477, Karen Gorulak, Salesperson, 204-773-6797. NorthStar Insurance and Real Estate, visit the website at www.north-star.ca

BRIAN & AUDREY SABISTON of Rorketon, MB are offering the following private land for sale: W 1/2 23-30-16, NW 7-28-14 W. The successful purchaser will be considered by Manitoba Agriculture for possible transfer of the Crown land forage lease associated with this ranch unit. This forage lease currently consists of the following: SEC 32-27-14 W, W 1/2 05-28-14 W, SE 06-28-14 W, S 1/2 07-28-14 W, N 1/2 19-30-15 W, SE 19-30-15 W, SE 30-30-15 W, SE 23-30-16 W, NE 24-30-16 W. If you wish to purchase the private land contact the Lessees Brian & Audrey Sabiston at Box 2, RR 1, Rorketon, MB. R0L 1R0. If you wish to comment on or object to the eligibility of this Unit Transfer write the Director, Manitoba Agriculture, Agricultural Crown Lands, PO Box 1286, Minnedosa, MB. R0J 1E0, or fax 204-867-6578.

SELLING THROUGHOUT MB. Local and foreign buyers are looking for Farms, Ranches, Rural and Suburban properties, Hobby Farms, Homes, Acreages, Hunting Land. Call Harold 204-253-7373, Delta Real Estate. Visit: www.manitobafarms.ca

WINNIPEGOSIS: 1241 ACRES DEEDED, 681 cult., Lake Frontage; Campville: 720 deeded, 160 acres cult. #2 soil per ag; Lunder: 1347 acres 1289 cultivated avail., \$700,000; Dallas: 1058 acres grain, cattle offers more avail; Ethelbert: 160 hunting land, cabin, \$56,000; Portage la Prairie: 320 acres rented for 2017, call; Duck Mountain: 240 acres touches park, \$180,000; Grahamdale: Big storage facility \$242,000; Stead: 1293 acres peat moss; Teulon: 76 acres 1.5 miles N on #7, fenced; Whitemouth: 160 acres, 80 acres is rice paddock; Eriksdale: 620 acres hunting land, \$150,000. 204-253-7373, Delta Real Estate. See more: manitobafarms.ca

RICHARD AND BERNICE LETKEMAN of Rorketon, MB are offering the following private land for sale: SE 23-28-16 W, N W 23-28-16 W, NW 35-28-16 W. The successful purchaser will be considered by Manitoba Agriculture for possible transfer of the Crown land forage lease associated with this ranch unit. This forage lease currently consists of the following: W 1/2 27-28-16 W, N 1/2 28-28-16 W, SE 28-28-16 W. If you wish to purchase the private land contact the Lessees Richard & Bernice Letkeman at Box 161, Rorketon, MB. R0L 1R0. If you wish to comment on or object to the eligibility of this Unit Transfer write the Director, Manitoba Agriculture, Agricultural Crown Lands, PO Box 1286, Minnedosa, MB. R0J 1E0, or fax 204-867-6578.

ACREAGES
6139

36.9 ACRES of PRIME LAND just 2 kms. from the city of Swift Current, SK. 3700 sq. ft. home w/high end finishes. Equestrian paradise w/indoor & outdoor riding arena, hay barn, 12 horse stables and paddocks. Highly sought after development location. MLS #SK614344. Phone Bobbi Tienkamp, Re/Max of Swift Current, 306-714-2853.

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4 WHEEL BOMBARDIER Rotax, 250 hrs, like new, \$4000; Wanted: 14' bumper hitch dump trailer. 306-304-1959, Goodsoil, SK.

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1991 17 1/2' CHARGER (Glastron) fibre glass, v-haul, open front, 150 HP Evinrude outboard, tilt trim, linewell, travel tarp, HD trailer, \$6800. 306-238-4590, Goodsoil SK

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6164

1997 CENTURION TANDEM 5th wheel trailer, sleeps 6, AC, awning, etc. good cond., \$7500. 306-715-0196 Saskatchewan SK

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6166

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6320

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6423

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6464

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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

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450 FIRST CUT Alfalfa bales, no rain, 1400 lbs., 5.5x5', 8c/pound, heifer trade, OBO. 306-526-8318, Qu'Appelle, SK.

APPROX. 500 LARGE round 2017 bales, mostly alfalfa grass w/higher alfalfa contents, also some tame grass hay (min. le-gume content) approx. 1300 lbs. Some 2016 bales avail. Could load. Ken Sweetland 204-762-5512, Lundar/Eriksdale, MB.

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HARVEST HELP WANTED: Starting September 1st to the end of harvest. Experience with combining, swathing and harrowing. Class 1A and mechanical skills an asset. Wage will be determined by ability and experience. References required. Call 306-468-2669, Canwood, SK.

HARVEST HELP WANTED: General farm help to start immediately until end of Harvest. Swathing, combining, possible grain hauling, working independently, good problem solving skills. 1A license an asset, but not required. Mechanical abilities also an asset. Wage determined by experience. Accommodations provided. Call Dennis for more info 306-237-4442, Arelee, SK.

FARM HELPER REQUIRED on grain farm. Class 1, farm experience and some mechanical skills would be an asset. Wages depending on experience. Phone or text 306-228-8333, Tramping Lake, SK.

RANCH HANDED WANTED: 1000 cow ranch, all aspects of ranching, having, operating equipment and knowledge of pivots a plus. Top wages and housing included. Alexis Creek, BC. Call 250-394-4623, Email: c1ranch99@gmail.com

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8004

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FARM/RANCH
8016

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736273
\$69,000

2015 New Holland 840CD-35FT Header, 35FT, DOUBLE KNIFE, TRANSPORT, GAUGE WHEELS, AHHC, X-AUGER

718052
\$59,000

2010 New Holland 94C-42FT CR/CX Draper Head, 42FT CR/CX, GAUGE WHEELS, SPLIT UII REEL, HYD F/A, HYD TILT

693358
\$203,000

2014 SeedMaster CT6012 Air Drill, 60FT 12IN, TIRE N TIRE, HD FRONT CASTERS, ISO, 8 RUN DBL SH

781371
\$164,000

2011 New Holland T8.275 Tractor, MFD, 1435hrs, 275HP, 18F/4R POWERSHIFT, 480/80R46 DUALS, 380/85R34 FRONTS

807147
\$234,000

2012 New Holland SP.240F XP Sprayer, 4WD, 1050hrs, 275HP, 275HP, 1000 GALLON POLY TANK, 100/60FT 5 SECTION 20IN, 3-WAY

808504
\$133,000

2014 Elmers Haulmaster 1600 Grain Cart, 1600BU, TRACKS, TARP, PIVOTING AUGER, BLUE, SCALES

849933
\$56,000

2011 New Holland P1060 TBH Air Cart, 430BU, TBH, 6 RUN DOUBLE SHOOT, MECHANICAL, 10" FILL AUGER, FIELD LIGHTING

814284
\$445,000

2015 New Holland CX8090 Combine, 449hp TIER 4A ENGINE, 350bu HOPPER, 520/85R42 DUALS, CAST CYLINDER, INTELLI

814499
\$60,000

2013 Case TV380 Track Loader, 520hrs, 84HP, Seat Air Suspension Cab w/Heat & Air Hyd Heavy Duty Coupler Complete ser

SWATHERS

2015 NH SPEEDROWER 200-40FT	\$139,000
2013 CHLGR WR9740	\$88,000
2012 MB M205-40FT	\$125,000
2008 CIH WD1203-36FT	\$65,714
2008 MF 9220-30FT	\$47,900
2007 JD 4895-36FT	\$53,000
2002 MB 2952-36FT	\$51,000
1999 MB 9200-30FT	\$36,000
1989 JD 590	\$3,500

HAY

2014 NH H7460	\$36,500
2010 NH BR7090	\$22,000
2007 NH BR780A	\$11,500
1993 AH 565A	\$7,500

COMBINES

2015 NH CX8090	\$417,000
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2013 NH CX8080	\$344,000
2011 NH CX8070	\$199,000
2004 JD 9660	\$125,000

COMBINE HEADS

2015 MB D65-35FT CNH	\$73,000
2015 MB D65-35FT CNH	\$73,000
2015 MB D65-35FT CNH	\$73,000
2015 NH 840CD-35	\$69,000
2015 NH 840CD-35	\$69,000
2013 NH 840CD-35	\$57,000
2013 NH 840CD-35	\$57,000
2010 NH 94C-42FT CR/CX	\$65,000
2009 NH 94C-42FT CR/CX	\$50,000
2005 HY Grainbelt-36FT CNH	\$29,000
2003 JD 936	\$27,000
2000 CIH 1042-36	\$24,200
1998 NH 994-36FT CNH	\$22,000

SPRAYERS

2013 JD 4730	\$255,000
2012 NH SP.240F XP	\$234,000

TRACTORS

1998 CIH MX120	\$43,000
2012 NH T9.505 HD AG	\$258,000
2011 NH T8.275	\$164,000
1997 NH 8670	\$47,000

SEEDING

2013 JD 1910 JD c/w 5012 Seedmaster	\$160,000
2011 NH P1060-TBH-MEC	\$56,000
2007 SHAWK 50FT-10IN c/w 777 TBH	\$99,000
2006 CIH ATX400 40-12	\$39,000
2003 JD 1820	\$30,000
1998 JD 1900	\$13,900
1997 MR MAXIM-50	\$29,500

1995 FC 2320	\$13,000
1984 BO 28-32	\$8,500

MISC.

Truck 1991 MACK DMM6906EX	\$25,000
ATV 2009 CK 3100S	\$9,250
Tires 2012 6DYR 380/90R46	\$
Track Loader 2013 CA TV380	\$55,000
Mower/Rotary 2014 SU XH1500	\$22,900
Deep Tillage 2010 CIH Flex Till 600	\$80,714
Forklift 2006 JC 940 RTFL	\$40,000
Forklift 2004 SX SD 80	\$64,000
Grain Auger 2011 FK 10x70TMMR	\$10,000
Grain Auger 2011 FK TMR10x70	\$9,500
Grain Auger 2016 WHEAT R 8-51	\$15,250
Grain Vac 2014 REM VRX	\$21,500
Grain Vac 2009 REM 2700	\$15,000
Harrow Heavy 2015 ELMER Super 7	\$42,900

845425
\$39,000

2006 Case IH ATX400-40FT-12IN Air Drill, 40FT, 12" SPACING, 550LB TRIPS, 4" RUBBER PACKERS, 4-RUN TBH DOUBLE SHOOT A

825937
\$21,500

2014 Rem VRX Grain Vac, 125hrs, Std hoses & attachments 1 one load out nozzle 3' long 10n

831144
\$Call

2017 SOFTER 20 Disc, 20FT, 22" NOTCHED DISCS FRONT AND BACK, RUBBER MOUNT INDEPENDENT TRIPS, TA

837642
\$484,000

2015 Versatile 500DT Tractor, 500DT DeltaTrack with 30" Agricultural Tracks, Deluxe Cab Pa

837638
\$409,000

2015 Versatile 450DT Tractor, 30" TRKS, 556PM, 6EH REMOTES, LUX CAB

837639
\$249,000

2013 John Deere 4730 Sprayer, 1065 HRS, 245 HP, 800 GALLON POLY TANK, 100FT BOOMS, 7 SECTI

831141
\$26,000

2017 1600RS Land Leveler, 16' Rear Steer HyGrade Pull-type Grader w/Weight

815869
\$139,000

2015 New Holland SP200 Windrower / Swather, 40FT, 600/65R28 DRIVES, 16.5L REAR TIRES, AIR BAGS, 6CYL, 190HP TIER III EN

849935
\$125,000

2012 MacDon M205-40FT Windrower / Swather, 230 HP, 600/65R28 DRIVE TIRES, 16.5L-16.1 TAIL WHEELS, HYD TILT, 40FT D65 H

849940
\$84,000

2003 New Holland TG285 Tractor, 230 HP, 600/65R28 DRIVE TIRES, 16.5L-16.1 TAIL WHEELS, HYD TILT, 40FT D65 H



Highway #2 South
Ph: 306-946-3301
Fax: 306-946-2613



Highway #6 North
Ph: 306-746-2911
Fax: 306-746-2919



Highway #10 East
Ph: 306-783-8511
Fax: 306-782-5595