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Manitoba Co-OPERATOR

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Want to be a Canadian Grain Commission commissioner?

There isn't much time left to apply and you'll face some stiff competition

BY ALLAN DAWSON
Co-operator staff

If you always wanted to be a Canadian Grain Commission (CGC) commissioner, now's your chance. Same for assistant chief commissioner and chief commissioner. The Canadian government is advertising the three positions, which are cabinet appointments, on the CGC's website (<https://www.grainscanada.gc.ca/index-eng.htm>). Applicants must apply online. The deadline is Aug. 17. The jobs involve lots of travel in and outside of Canada and good salaries. Commissioner and assistant chief commissioner pay ranges from \$142,800 to \$168,000 a year. The chief commissioner earns a lot more — \$230,800 to \$271,500. Appointees have to live in Winnipeg — the CGC's headquarters — or within commuting distance. There's stiff competition though. Incumbent commissioner Murdoch MacKay and assistant chief commissioner Jim Smolik, are also applying.

See CGC on page 6 »

McDonald's commits to continued sustainable beef conversation

McDonald's Canada is now working with Canadian Roundtable for Sustainable Beef to create a single national standard



The Canadian cattle industry continues to work with McDonald's Canada as part of a national discussion to verify the industry's sustainability.
PHOTO: THINKSTOCK

BY JENNIFER PAIGE
Co-operator staff/Brandon

McDonald's Canada is doubling-down on its strategy of meeting sustainability goals by working with the beef industry. With a recent pilot project on sustainable beef that partnered with the industry groups and experts that demonstrated and verified the sustainability of the Canadian beef sup-

ply wrapped up, it's looking to build on that base. The key focus will be working with and assisting the Canadian Roundtable for Sustainable Beef (CRSB) in developing an industry-wide framework. "What the CRSB is developing is not a pilot. It is a formal framework, so developing the rigour that is necessary for everyone will be difficult. We can't create sustainable and unsustainable universes, and so, getting

that mix where the standards are high enough but still achievable will be the biggest challenge," said Jeffery Fitzpatrick-Stilwell, senior manager of sustainability for McDonald's Canada. When McDonald's Canada kicked off its verified sustainable beef pilot project in January 2014, the newly established CRSB worked with McDonald's Canada to develop indicators for its pilot, which included

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DID YOU KNOW?

In vitro a bison first

Saskatchewan researchers say the techniques will pave the way to battling TB and brucellosis in wild herds

STAFF

In a world first, veterinary researchers at the University of Saskatchewan have produced three bison calves using in vitro fertilization. Researchers produced them in a laboratory, then transferred the embryos into surrogate mothers. A fourth calf was produced from a frozen embryo that was taken from a bison cow in 2012 and transferred to a surrogate mother in 2015 — another bison reproductive first. Dr. Gregg Adams, a professor and reproductive specialist at the Western College of Veterinary Medicine (WCVN), says the wood bison are indigenous to Canada and are threatened by disease and loss of habitat. "It is tremendously gratifying to see this. I'm excited. I'm hoping all the different interest groups will see this as a real possibility, a solution to the problem," said Adams. Between 5,000 and 7,000 wood bison remain in the



FILE PHOTO

wild, including a small population in unorganized parts of the North Interlake, between lakes Winnipeg and Winnipegosis. Scientists hope that this reproductive breakthrough will help retain genetic diversity and eventually rebuild the depleted wild herds. While there are many parallels with reproductive work in cattle, bison present their own unique challenges. Foremost is the presence of disease. Bison herds are infected with brucellosis and tubercu-

losis, diseases that were introduced by exposure to infected cattle more than 80 years ago, and that can be spread to both cattle and people. "These diseases have prevented us from getting back and reconstituting the population," said Adams. By using advanced reproduction techniques researchers can disinfect the egg and sperm of the female and male bison, minimizing the chances of producing diseased babies or spreading disease.

READER'S PHOTO



PHOTO: HERMINA JANZ

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Provincial and state leaders float Great Lakes shipping plan

A US\$3.8-billion investment would increase capacity and kick-start economic development

BY ALEX BINKLEY
Co-operator contributor

Provinces and states bordering the Great Lakes say there's a need to boost shipping on the waterway — now they just have to convince the feds on both sides of the border.

They're boosting a US\$3.8-billion plan which will require at least 10 years of construction, dredging and regulatory harmonization to implement, much of which Washington and Ottawa would have to pay for. They also need to designate an agency with overall responsibility for the functioning of the waterway.

The improvements would double the amount of cargo moving through the St. Lawrence Seaway-Great Lakes system.

Gov. Rick Snyder of Michigan and Premier Kathleen Wynne of Ontario, who released the plan on behalf of the other Great Lakes governors and premiers say the plan will boost the region's US\$5-trillion economy and create jobs on both sides of the border.

The plan drew cautious praise from the shipping industry. It doesn't fully recognize the importance of the freight moved through the waterway by ocean-going vessels, said Sonia Simard, director of policy and government

"A potential disappointment with this plan is that it didn't go far enough."

MARK FISHER
CEO, Council of the Great Lakes Region

affairs for the Shipping Federation of Canada, which represents ocean-going fleets that trade in the Great Lakes.

"We believe that the diversity of this traffic and the importance of this trade for the Great Lakes-St. Lawrence River region should be more explicitly acknowledged in the document, considering the geographical scope of this proposed strategy," she notes.

The need for regulatory harmonization between the U.S. and Canada is essential to improving the efficiency and competitiveness of the seaway-Great Lakes, she pointed out. The current system creates a patchwork of regulatory demands and "results in increased administrative and operational costs," she adds.

The departments and agencies of both countries should harmonize their processes and share data with respect to certification and inspection, she said.

"One example of such streamlining could be the application of a single clearance process by the

Canadian and U.S. authorities of marine shipments transiting the region," Simard said.

Streamlining of pilotage services and the renewal of icebreaking fleets are also essential.

Glen Nekvasil, vice-president of the U.S. Lake Carriers Association, applauded calls in the plan to create a second lock between lakes Superior and Huron and to dredge the St. Marys River between lakes Huron and Ontario as well as other infrastructure improvements to keep shipping on the lakes safe and efficient. Dredging the St. Marys River to its authorized depth of eight metres creates political controversy over declining water levels. The river is considered a "critical choke point" in the waterway.

The need for a second lock to supplement the existing two locks between Superior and Huron was highlighted last summer during a 19-day closure, Nekvasil said.

Mark Fisher, CEO of the Council of the Great Lakes Region, which represents shipping and other maritime groups, said, "A potential disappointment with this plan is that it didn't go far enough. Given the importance of the seaway to the regional economy, anything we can do to find solutions to increasing the use and the value of the maritime system is beneficial to everybody."



The Soo Locks between Lake Superior and the St. Marys River.
PHOTO: U.S. ARMY CORPS OF ENGINEERS/CREATIVE COMMONS

Shipping in the Great Lakes-St. Lawrence Seaway supports 227,000 jobs and creates more than US\$33 billion in business revenue, says a report commissioned by the Chamber of Maritime Commerce.

Larisa Fenn, spokeswoman for the Port of Hamilton, Ont., said, "We were pleased to see the plan champion the idea of ports as job-creating development nodes, understanding how ports serve as fertile ground for the development of industry clusters.

"We would love to see Ontario preserve space for transportation-intensive industrial development within port zones, ensuring the flexibility to integrate a range of industrial and ancillary services within these zones. This

will translate into future prosperity for Ontario by supporting key growth sectors like advanced manufacturing, construction and agri-food."

Dredging is also needed in many American harbours and rivers, the plan notes. Mike Piskur, a spokesman for the Council of Great Lakes Governors and Premiers, says shipping doesn't get the attention it should, considering its economic importance to the region, calling it an "underutilized asset."

"Probably over the last 10-plus years, in state or provincial freight plans, maritime, if it was mentioned at all, it was in passing," he said.

Attention also has to be paid to the road and rail links to the Great Lakes ports, the plan states.

Ontario soybeans, corn suffer under 'heat dome'

Lack of rainfall and excess heat are taking a big bite out of crop production

BY ERIN DEBOOY
CNSC

While Manitoba farmers wish the rain would go away, some Ontario farmers are wishing it would pour.

"We'll trade some nice, hot, dry, sunny weather for your water and rain," said Jeff Barlow, a director with Grain Farmers of Ontario, who farms in the southern part of the province. "We had just over an inch of rain (last week) which is the most significant rain we've had since we started planting... hopefully that's not it."

Southern Ontario has been the victim of a "heat dome" recently, with Environment Canada issuing heat alerts for temperatures rising to highs of 33 C, feeling like 40 C to 45 C with the humidex.

"The crops are really suffering... in (the Niagara Peninsula) it's been so dry that there are crops that were planted that never grew," Barlow said.

A lot of producers have been forced to replant their soybean crops, Barlow said, adding in his fields only half of what was replanted has actually come up.

"It could be a problem if

these soybeans that never grow started growing now, being a week away from August they could still be green in the fall," Barlow said. "I hope they don't decide last minute to grow... if the rest of the field is ready to harvest and those are still green, that will affect harvest timing."

Soybeans that have come up are very short, Barlow said, meaning some of the pods are very close to the ground.

"Your average cutting height is two to three inches off the ground... even with the best cutting equipment you can't get those pods near the ground," Barlow said. "I'm afraid we'll have some fields that may have some yield in them that we can't collect."

Corn crops have also been affected by dry weather, only growing about four to five feet high.

"It's a very short crop this year, and the tasselling is uneven between a lot of the different plants... it went into the ground and became fairly dry very quickly," Barlow said.

"The worst areas in the field — the spots that typically drown out, are actually the best spots this year — so it's a little bit of a backwards year for us," he added.

IMPORTANT NOTICE



Canadian Grain Commission
Commission canadienne des grains

Grain producers: do you grow these varieties of flaxseed?

The variety registration for the following Canada Western flaxseed varieties will be cancelled by the Canadian Food Inspection Agency:

- **CDC Arras** on August 1, 2017
- **Flanders** on August 1, 2017
- **Somme** on August 1, 2017

As of August 1, 2017, the flaxseed varieties listed above will be removed from the Canadian Grain Commission's variety designation list.

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Canada

OPINION/EDITORIAL

Peace and prosperity



Gord Gilmour
Associate Editor

Maybe it's time for agriculture to climb down from its war-time footing. For decades now it's been a battle as farmers fight nature, red in tooth and claw, to prevent crop damages and loss.

It's hardly surprising when you consider the historical context out of which our modern Green Revolution agriculture sprang. It took off following the Second World War when our industrial capacity and technological

advances were turned to peacetime purposes. Explosives plants became fertilizer factories. Pest control products intended to protect troops from malaria did the same for crops, long eaten by crawling critters. You didn't have to squint too hard to see the connection between the quantum leap in tractor technology after the war and the work developing tanks and jeeps.

Suddenly rather than just sitting back and practising old cultural control practices and hoping for the best, farmers had new weapons in their battle to feed the world.

There's no arguing with the results. It was during this period that crop yields began their steady upward climb. In 1945 the U.S. corn crop was yielding just over 30 bushels an acre. By 1950 it had already hit 40 bu./acre, never to look back. By the early 1970s it was flirting with 100 bushels an acre, according to USDA historical statistics, and by the end of the 20th century it was about 160 bu./acre.

With the new and better tools at their disposal, farmers responded by becoming much more efficient and much larger. These very tools that made life easier for farmers, in the end drove a wave of consolidation that moved many people off the land and into cities. The modern farms of today still live and work in the shadow of this great transformation, and continue to have the form they have today because this new generation of tools were and are at their disposal.

Like any production system, however, there will be weaknesses, and over time Mother Nature will find a way to exploit them. Back when I was starting in this business, the researchers at the University of Manitoba and provincial extension staff always told me to remember that nature always has the last at bat in this game we're playing, and sometimes it feels like she cheats.

That's not so of course — nature simply exploits the weaknesses and loopholes. Probably the best example of this is the clear and present danger of weed resistance. Our seemingly invincible chemical controls are, again and again, proving to be anything but. We've so far escaped the worst of it in Western Canada, but some very intelligent weed scientists have also said loudly, publicly and repeatedly, that unless we change our cultural practices it's only a matter of time before it gets a whole lot worse. Repeated applications for season after season of the same handful of control products has applied tremendous selection pressure on weed populations. The naturally occurring resistant plants, which were always present at a low level, are slowly becoming the dominant populations, and without action the crop protection dominoes will surely fall, one by one.

That's not to say this is a sure thing, however, and there's a hopeful story in our even more recent agricultural past.

Sometime in the mid-1970s a group of dreamers here on the Canadian Prairies and U.S. Great Plains looked at the exciting new tool from Monsanto known as Roundup, and wondered if there wasn't a better and more soil-friendly way to raise annual grain crops. Rather than relying on tillage and summerfallow, it developed a way to grow crops without tillage.

Just to put this achievement into perspective, humans have been doing agriculture for about 12,000 years and in that time we've repeatedly seen the results of continuously growing these crops with a tillage system. That way lays soil degradation and eventually desertification and loss of productive capacity. To take a different approach, one that has spread around the world as it has, borders on heroic.

Often critics of this system get tied up in knots over its dependence on weed control chemistry and they ignore that what it actually does is mimics nature. Nature abhors a vacuum after all, and there's nothing quite so vacuum-like as a field with nothing growing in it. By keeping roots in the soil at all time, zero till managed to anchor the fragile soils of the region, conserve moisture and make the system dramatically more efficient.

I believe there are opportunities to build upon the foundation of this success and further mimic nature. Incorporating more livestock grazing the land, for example, to mimic the action of the bison. Or expanding upon biocontrol strategies to keep crop pests in check.

That's not to say we should throw out the existing tool box — but we should never overlook a chance to add to it.



Walmart, Costco changing Canadian grocery market

BY SYLVAIN CHARLEBOIS

Dalhousie University

The evolution of Canada's food retailing industry is being hastened by a pair of American giants. Consumers are the big winners.

The latest Canada consumer price index drew a great deal of attention to falling meat prices.

In fact, according to Statistics Canada, food prices declined dramatically across the board in June. Food inflation is now below the general inflation rate.

Food price decreases are driven by a range of factors. For example, because food distributors are winning their fight against vendors to lower prices.

Most provinces and the territories experienced food price declines. Prices fell the most in Quebec and British Columbia, by more than 0.5 per cent in just one month. Both provinces were considered key markets for high-value food products.

However, that may be changing, because underneath the numbers published recently by Statistics Canada is a very different, even troubling, story.

In the face of a changing marketplace, one retailer stands out. Walmart's store sales are up 6.7 per cent from last year and the retailer has made significant inroads in many parts of the country.

Overall sales are up more than eight per cent at Walmart Canada and customers are spending 2.1 per cent more per visit. Also, the average Walmart consumer is visiting the store more frequently. The numbers confirm the impact of Walmart Canada's strategy.

Walmart wants to be the No. 1 food retailer in Canada, as it is in the U.S., and it's difficult to bet against the Arkansas-based giant. Its low-cost operating model provides a significant advantage. And its focus on food prices can no longer be ignored.

The company is fully committed to food. It has gone from a mediocre food retailer, at best, to a decent one. The process of Walmart Canada legitimizing itself as a food retailer is almost complete.

But it's not just Walmart. Costco has almost 10 per cent of the Canadian food retailing market share, an impressive increase from a few years ago.

Both companies are capitalizing on our two-tiered food system. While the haves — the foodies, the organic lovers and fans of local products — advocate for more changes, the have-nots just survive. The have-nots, who are not necessarily the poor and socially inept, are often the forgotten food consumers. They may have lost their jobs, recently run into financial difficulties or are trying to raise children during a separation.

What Walmart and Costco are doing resonates with the have-nots. They are capitalizing on that segment of the market who must watch every cent they spend.

So Loblaws, Sobeys and Metro are all putting more pressure on vendors to reduce prices. If you think the intent is only to protect consumers against higher food prices, you're kidding yourself. These traditional retailers are working hard to protect themselves from Walmart.

Sylvain Charlebois is dean of the faculty of management and professor in the faculty of agriculture at Dalhousie University.

OUR HISTORY: August 1983

The Manitoba Beef Commission, a marketing agency established by the NDP government in the late 1970s, ran this ad in our August 18, 1983 issue. It encouraged cattle producers to capture more profit by feeding their animals to finish, and offered marketing assistance plus financing assistance through MACC.

The Manitoba Cattle Producers Association and the NDP government were at odds on the Beef Commission and other issues, and that month the legislature passed a bill removing the MCPA's compulsory checkoff. The legislature also passed a bill restricting non-resident farmland ownership to 10 acres.

The Canadian Grain Commission was concerned about the proliferation of U.S. semi-dwarf wheat varieties, and had held a seminar with grain company officials warning them to be on the lookout. The previous week, a Carman-area producer had pleaded not guilty to a charge under the Canada Seeds Act after placing ads for unlicensed varieties in the *Co-operator*.

Bill C-155, which incorporated the changes to the long-disputed Crow Rate, was moving through Parliament. That week, there was some surprise when Jean-Luc Pepin, who had shepherded the difficult bill, was relieved of his transport minister portfolio by Prime Minister Pierre Trudeau, who replaced him with Lloyd Axworthy.



COMMENT/FEEDBACK

No trade? No kidding

U.S. presidential election just one sign of global shift from free trade

BY ALAN GUEBERT
Farm and Food File

You know it’s a presidential election year when the U.S. Department of Agriculture (USDA) issues late-summer press releases where nearly half the ink touts the Obama administration’s past ag successes, even as it announces actual news.

On Aug. 1 USDA issued just such a press release; 315 of its 635 words bragged about the White House’s “latest example of USDA’s ongoing efforts to knock down barriers to U.S. exports” just as the “past seven years have represented the strongest period in history for American agricultural exports... totalling \$911.4 billion...”

And, oh, by the way, Brazil and the U.S. have agreed to a “reopening of the Brazilian market to U.S. beef exports” for the first time since 2003.

It was an odd announcement for another reason, too: Neither major party presidential candidate, Republican Donald Trump nor Democrat Hillary Clinton, sees expanding free trade as an election-turning issue.

In fact, both candidates spent more time at their respective nominating conventions running from the two biggest international trade deals on tap, the Trans-

To them, retaining a national identity is more important than gaining access to new international markets.

Pacific Partnership (TPP) and the Transatlantic Trade and Investment Partnership (TTIP), than promoting or even explaining them.

Candidates and conventioners in Cleveland and Philadelphia alike now see free trade like free cake — a small slice might be fine but too much is definitely not good for you.

To U.S. farmers and ranchers, however, free trade is the proverbial icing on that cake; in farm and ranch country it’s believed to be as important to success as soil and water. They point to the explosive growth of U.S. ag exports in the last generation to prove it.

USDA numbers show total U.S. ag exports have risen from nearly \$56 billion (all figures U.S. dollars) in 2000 to about \$155 billion in 2014. Last year, ag exports dipped to \$133 billion as global commodity prices weakened and the U.S. dollar strengthened. Still, 2015’s net U.S. ag trade surplus — exports minus imports — weighed in at a highly profitable \$19.5 billion.

American voters, however, aren’t

as convinced and they aren’t alone. A month ago, before either presidential nominee clammed up on trade, *Politico* reported that the European Union’s almost automatic ratification of free trade deal with Canada — once “considered an ‘easy’ and uncontroversial agreement” — was headed for the rocks.

The root cause of the sudden reversal, explained *Politico*, was “political upheaval and growing protectionism.” A simpler, one-word explanation might be “Brexit,” the June 23 move by voters in Great Britain to exit the European Union and go it alone.

This new push for national sovereignty can, to some extent, be traced to today’s hard push for globalism and its ever-brooding stepchild, international trade deals. Current (but not ratified) agreements like the Canadian-EU trade deal, TPP, and TTIP contain broad new avenues for corporations to sue nations whose laws they believe harm corporate interests.

Voters both here and abroad now see ideas like this as more “anti-national” than international, as more “bad” trade than protectionism. To them, retaining a national identity is more important than gaining access to new international markets.

Whatever it’s called, it’s here and it has stopped the decades-long move to free (or at least freer) trade dead in its tracks. Following closely in those same tracks, however, are U.S. farmers and ranchers.

Indeed, American agriculture is more than tied to trade. In fiscal year 2016, estimates USDA’s Economic Research Service (ERS), U.S. farmers and ranchers will export \$7.8 billion of corn, \$5.1 billion of wheat, \$17.7 billion of soybeans, \$3.1 billion of cotton, \$33.5 billion of horticulture products, and \$25.4 billion worth of livestock, poultry, and dairy.

In fact, ERS forecasts, total U.S. estimated ag exports, presently estimated at \$124.5 billion, will account for nearly 30 per cent of this year’s total farm and ranch gross cash sales of \$415.7 billion.

That’s a huge part of national economy riding on a topic that no one but USDA wants to talk about.

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

Look back to understand how low prices are

Once inflation adjusted, today’s wheat prices are at historic lows, even below Depression-era prices

BY LEO OLIVA
Historian

Wheat prices are the lowest in actual value since the Civil War, and only farmers are aware of this. Here is some food for thought.

I recently harvested my 64th wheat crop and produced more bushels this year than any other year. Many Kansas farmers have had the same experience. Because of record yields, most people will assume this is also a good financial year for wheat farmers. Unfortunately, the low price will not cover the cost of production for most farms.

During the hard times of the 1890s, the era of the Populist Party, a farmer wrote to his local newspaper to complain about the editor’s misconceptions about farming. He noted that when farmers have a good wheat crop the newspaper declares the farmers must be rich because the wheat made 25 bushels an acre. What the editor failed to point out was that the price had dropped to 25 cents a bushel. Another year when production was down and prices were up, the farmer noted, the editor

declared the farmers must be rich because wheat is up to \$1 a bushel (all figures in U.S. dollars).

But the editor failed to point out that the farmers had nothing to sell. Many farmers are feeling the same way today.

While the custom harvesters were cutting my 2,000 acres of wheat this year and the price at the local elevator was hovering around \$3 a bushel, I checked to see how this compared to previous eras of low commodity prices. After looking at prices during the era of the dust bowl and Great Depression, converting those figures to 2016 dollars (result of inflation), I was astonished to discover the value of wheat is lower today. Wheat in 1932 sold for a national average of 38 cents a bushel, but that would equal \$6.67 in 2016 dollars.

During the New Deal when federal programs were inaugurated to help farmers survive, the U.S. Department of Agriculture came up with something called “parity” which was based on farm costs and income during the period 1910-14, a time when commodity prices covered the costs of production and a reasonable profit. The USDA

computes parity for many products each year, and the parity price for wheat in 2016 is \$18.30 per bushel. The latest estimate for national average price of the 2016 crop is \$3.45. That is 19 per cent of parity.

The statistics that follow (all available online through USDA and other sources) show national average price for wheat in selected years, followed by inflation adjustment for value of that price in 2016 dollars. It is important to remember these are averages. Some farmers had crop failures and nothing to sell. Some farmers had good production and sold when prices were good and did very well.

Even so, the averages indicate the state of the farm economy.

Any time commodity prices fall below the cost of production, every consumer is being subsidized by farmers. It should be noted that federal farm subsidies were designed to provide cheap food; the major item in every Farm Bill is food stamps. The amount going to farmers is partial compensation for providing food for consumers at less than the cost of production.

At current prices, the farmer’s share received for the flour

NATIONAL AVERAGE PRICE FOR WHEAT		
YEAR	(PRICE)	2016 VALUE
1866	(\$2.06)	\$31.21
1870	(\$1.04)	\$18.91
1880	(\$0.95)	\$22.10
1890	(\$0.84)	\$22.11
1900	(\$0.62)	\$17.71
1910	(\$0.91)	\$22.75
1920	(\$1.82)	\$22.29
1930	(\$0.66)	\$9.43
1940	(\$0.67)	\$11.55
1950	(\$2.00)	\$19.80
1960	(\$1.74)	\$14.15
1970	(\$1.33)	\$8.21
1980	(\$3.91)	\$6.69
1990	(\$2.61)	\$4.78
2000	(\$2.62)	\$5.64
2010	(\$5.98)	\$6.58
2016	(\$3.45)	\$3.45 estimated

in a loaf of bread is five cents. If farmers received parity price today, the farmer’s share in that loaf of bread would be 26 cents. This means the farmer is contributing 21 cents to your loaf of bread. If you think this is fair, please do not complain about farmers with your mouth full.

Congress could fix this problem with a new Farm Bill, but today Congress is deadlocked and unable to do much of anything. Kansas does not have a representative on the House Agricultural Committee. Historically, the national economy has prospered when farmers have prospered. Although less than two per cent of the U.S. population is engaged in agriculture, how they fare economically affects everyone.

Before we can solve a problem, we need to understand it. I hope this summary of wheat prices helps you understand the problem. Remember, as President John F. Kennedy said, farmers are the only people who have no control over the price of inputs or the market value of their product.

The national average cost to produce an acre of wheat in 2016 is \$315.78. The projected national average yield for 2016 is 50.5 bushels an acre. At \$3.45 average price a bushel, national average income per acre is projected at \$174.23 (that is 55 per cent of the cost of production).

We deserve better.

Leo Oliva is a historian and author who lives in Woodston, Kan.

FROM PAGE ONE

MCDONALD'S

Continued from page 1

environmental stewardship, animal health and welfare and food safety factors.

In return, McDonald's agreed to share the pilot's end results with the CRSB to aid it in the endeavour of creating framework for a national standard that will cover the entire supply chain.

"Without a doubt this has been a very constructive exercise," said CRSB chair, Cherie Copithorne-Barnes. "And, we are excited to be in a position to carry this work forward."

Pilot outcomes

With the pilot concluding in June, many may wonder, what did McDonald's learn during the project and what kind of information is it handing off to the CRSB?

"With the pilot project we wanted to bring the global roundtables' principals and criteria to life for the first time in a locally relevant way," Fitzpatrick-Stilwell said. "We had a total of 8,967 head of cattle that we were able to track all the way through from birth to burger."

Over the pilot's 2.5-year duration, from January 2014 to April 2016, McDonald's completed 183 verifications across the country.

"We really focused on achieving diversity. So we wanted diversity in geography, diversity of size. The smallest cow-calf producer had 12 head and the largest was more than 7,000. The smallest feedlot we did was 560 and the largest was over 65,000," Fitzpatrick-Stilwell said.

The pilot examined every part of the supply chain from cow-calf to backgrounding through the feedlot, through

processing and to the facility that makes all of the burgers for McDonald's facilities across Canada.

Fitzpatrick-Stilwell says the cow-calf sector was the area with the most opportunity for improvement with the most common issues being information sharing and having adequate documentation for pharmaceuticals.

"Producers in Canada are so advanced and on top of so many things. The biggest area of improvement really comes down to having more accurate documentation about what they are doing," Fitzpatrick-Stilwell said.

While many producers document procedures and animal health details, Fitzpatrick-Stilwell says it is more about improving the documentation about how you will deal with different issues that may come up.

"Especially in small operations, everyone who is on the farm knows the procedures, but if you haven't documented it in some kind of a way, the verifier has a hard time verifying that it is a standard operating procedure," Fitzpatrick-Stilwell said.

He adds that having documented standard operating procedures is also something that can put your farm in a better state of preparedness to move forward and maintain animal care if an incident should occur where the farm lead is no longer available.

National standard

Fitzpatrick-Stilwell says one of the biggest things the CRSB can learn from the McDonald's pilot is to have a conversation, not a checklist.

"The pilot wasn't set up as an audit. It wasn't a pass or fail, it wasn't following a descriptive list of criteria that some-

"We can't create sustainable and unsustainable universes, and so, getting that mix where the standards are high enough but still achievable will be the biggest challenge."

JEFFERY FITZPATRICK-STILWELL
McDonald's Canada

one dreamed up and said this is what sustainable beef looks like," said Fitzpatrick-Stilwell. "It was a conversation, looking at outcomes and then compiling a report saying yes, they are doing these things and we can verify it. I think that is one of the things the CRSB can learn from us is that it will need to focus on outcomes as well."

The CRSB is currently in the process of working with stakeholders to develop the verification framework, which is slated to be finalized in late 2017.

"The McDonald's pilot highlighted the value to testing the verification framework in an iterative manner," said Fawn Jackson, executive director of CRSB. "The pilot accelerated CRSB's progress in developing a beef sustainability framework by testing and sharing important learnings about framework management, participant enrolment, indicator development, scoring and performance levels, verification/assurance processes, chain of custody and information sharing."

Producers who were involved in McDonald's pilot will not have to go through



Jeffery Fitzpatrick-Stilwell, senior manager of sustainability for McDonald's Canada. PHOTO: JENNIFER PAIGE

the verification process again. McDonald's and CRSB will be working together to integrate existing verifications into the new system.

Over the next while, the CRSB will be working with its membership to trial the new framework.

A claims guide will also be

explored for the possibility of product labelling for products sourced from a verified sustainable source.

Anyone interested in becoming verified during the CRSB's trial period, visit: <http://crsb.ca/contact-us/>.

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CGC Continued from page 1

They have almost eight years of on-the-job experience, in addition to what they brought when appointed by the former Conservative government in late 2010. In addition to experience, they provide continuity. Their current terms expire Dec. 5 and Nov. 25, respectively.

The chief commissioner's position was vacated Jan. 20 by Elwin Hermanson, a farmer and former Reform and Saskatchewan Party politician.

The CGC is a federal government agency that reports to Parliament through the minister of agriculture.

In the old days the fact that MacKay and Smolik were appointed by a government of a different political stripe would reduce their chances of reappointment. But Justin Trudeau's Liberal government says it wants to do things differently — more transparent and less partisan.

This new open hiring process applies to all types of cabinet-appointed positions, including the Senate. But once a short list of suitable, potential candidates is drawn up one would expect all else being equal those with ties to the Liberal party would get the jobs. At least that's the history of such appointments no matter which party was in power. And it probably wasn't just driven by

partisanship, but a minister's desire to work with people they trust.

The Conservative government also advertised the commission positions and MacKay, Smolik and Hermanson went through a selection process that included someone from the Prime Minister's Office, Privy Council Office and Agriculture Canada. The committee prepared a short list of suitable candidates to Agriculture Minister Gerry Ritz who made the final selection.

In the past, the process was much less transparent. Presumably appointees had what it took to do the job. The three commissioners are the CGC executive setting the organization's direction, establishing policy and administering and enforcing the Canada Grain Act. The commissioners also have quasi-judicial powers on some matters.

While ideally those chosen will have the right experience and aptitude, a commissioner learns on the job. Few people have a working knowledge of the Canada Grain Act, or understand wheat chemistry or the many other things the CGC does.

The tradition of both Liberal and Conservative governments has been to appoint commissioners from each of the three Prairie provinces (or the British Columbia Peace River District). In addition commissioners have

"The Canadian Grain Commission's mandate is to, in the interests of producers, establish and maintain standards of quality for Canadian grain and regulate grain handling in Canada to ensure a dependable commodity for domestic and export markets."

GOVERNMENT OF CANADA

been farmers or retired farmers, or as in the case of current commissioner MacKay, from the grain industry. MacKay headed terminal operations for Agricore United, giving him practical grain quality control and logistical experience.

The CGC was created in 1912 following years of protests from western farmers who complained grain companies and railways weren't treating them fairly. The strength of the commissioner system is it gives the grain sector, including farmers,

confidence those overseeing the CGC understand the grain business and especially farmers' needs.

"As set out in the Canada Grain Act, the Canadian Grain Commission's mandate is to, in the interests of producers, establish and maintain standards of quality for Canadian grain and regulate grain handling in Canada to ensure a dependable commodity for domestic and export markets," the government says in its posting for a new chief commissioner.

A big part of the CGC's role is grain quality control, which underlies Canada's reputation for delivering high-quality grain.

The government has a long list of qualifications for want-to-be commissioners. These include "experience in maintaining effective relationships with, and balancing the interests of multiple stakeholders with divergent views, demonstrated experience in decision-making with respect to sensitive and complex issues, and significant management experience at the senior executive level in private or public sector organizations. Experience in a private or public sector organization with diverse technical and regulatory responsibility would be considered an asset, and experience in the production and handling of grain, as well as experience in dealing with the

transportation, marketing and processing of grain would be considered assets."

But the government is also seeking candidates with diversity.

"Preference may be given to candidates who are members of one or more of the following groups: women, indigenous peoples, disabled persons, and members of visible minorities," the government says.

Only two commissioners have been women. The first was Beth Candlish, who served between Dec. 3, 1981 and Jan. 24, 1986.

She was followed by Chris Hamblin, who was appointed in March 2002 and became chief commissioner Oct. 2, 2002 and served until Oct. 2, 2007.

There's talk the government might appoint someone from Eastern Canada. There have been assistant commissioners (a position that no longer exists) from the East, but no eastern commissioners in at least 30 years, if ever.

And while the Canada Grain Act applies across the country, its scope and the CGC's mandate are limited outside of the Prairies. Still when asked last week, industry officials said it doesn't matter where a commissioner comes from so long as he or she is the right person for the job.

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KAP wants action to get grain moving through Churchill this year

Dan Mazier says contracts have been made and not meeting them sends the wrong message about Canada as a grain supplier

BY ALLAN DAWSON
Co-operator staff

Keystone Agricultural Producers (KAP) president Dan Mazier is dismayed by delays in reopening the Port of Churchill to export grain this year.

“I will put this right at the feet of the federal government — either the transport minister or the agriculture minister,” Mazier said in an interview Aug. 6. “There are (grain) contracts out there that said they are going to go to the Port of Churchill. What does that tell the rest of the world about what is going on here? And they (government and port owner OmniTrax) are saying nothing. There is no talk about how this is hurting business. Mum is the word and that is concerning. You can have all the consultations you want, but it is time for them just to step up with a plan so we know what we are going to do with this thing.”

July 25 OmniTrax, which also owns the railway to the port, shocked port staff by laying them off at the time grain shipments from Canada’s only northern deepwater port would normally begin.

Two weeks later OmniTrax still hasn’t commented publicly on its actions.

Northern Manitoba leaders met Aug. 3 with Jim Carr, Manitoba’s senior cabinet minister and the minister of natural resources.

“We will take all this information and look at what the responsible options (are) for Canada moving forward,” the *Winnipeg Free Press* reported Carr saying.

“Everything will be considered by Canada as we move forward.”

Some, including Churchill Mayor Mike Spence, are calling for the federal government to buy the port, which it owned until 1997 when it sold it to OmniTrax.

In December OmniTrax said it wanted to sell the port and railway. A consortium of northern First Nations expressed interest. OmniTrax president Merv Tweed said the port and line should be operated as a utility.

Mazier said grain is waiting at The Pas to be shipped to Churchill for export.

“It is just sitting there right now,” he said, adding he didn’t know the volume.

KAP supports Churchill because it’s another export outlet for grain, especially in northern Saskatchewan and Manitoba.

When grain backed up on the Prairies in 2013-14, exports through Churchill jumped 50 per cent, Mazier said.

“What about those customers who are waiting for the product? That is what this year is about,” he said.

“It is a viable option when we needed. That’s the farmers’ side.”

But Canada also needs Churchill, Mazier added.

“There are Canadians up there,” he said. “There is opportunity. How do we do it? There is a short-term goal of making sure that any existing contract gets cleaned up, the medium-term

goal of what is the transportation strategy for Canada and what role does the Port of Churchill play and then more long term, maintain it and move forward.”

Manitoba Premier Brian Pallister said July 28 his government would not subsidize a large corporation to run the railway and port.

“Leveraging in order to obtain a better business deal is not the way that we are going to be engaged with corporations, now or in the future,” he told reporters.

Aug. 5 Growth, Enterprise and Trade Minister Cliff Cullen and Families Minister Scott Fielding met northern municipal, First Nation leaders and business owners to discuss economic diversification for the Town of Churchill and northern Manitoba.



“There are (grain) contracts out there that said they are going to go to the Port of Churchill. What does that tell the rest of the world about what is going on here?”

DAN MAZIER

“Manitoba’s North holds so much untapped potential,” Fielding said in a news release that offered no specific plans to get the port operating again. “Our government will soon introduce a strategy that

will focus on the North as a region with unique economic and social factors that have been handled for too long on a reactive basis. It is our hope representatives of OmniTrax will follow our lead and will

reach out to the communities that are being impacted by their recent decision. Some communication to clarify its future intentions — both on operational activity at the port and regarding the negative effects of reduced rail service — would be a good first step.”

The Port of Churchill began operating in 1931, and on average handles around 500,000 tonnes of grain a year, which could be handled by Thunder Bay in two weeks.

The Canadian Wheat Board said it saved on transportation costs exporting from Churchill and shared them with farmers. Private grain companies say they want to export through their own terminals.

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Local testing of varieties key to determining productivity

Researchers at the Brandon Research and Development Centre are committed to testing varieties under local conditions

BY JENNIFER PAIGE
Co-operator staff/Brandon

On paper that new wheat or barley variety looks like a winner — but how’s it actually going to perform under real-life conditions? That’s the question federal and provincial crop researchers working at the Brandon Research and Development Centre (BRDC) are hoping to contribute to with a host of ongoing variety trials at their 2,500-acre facility, part of the national testing program for crop varieties.

On August 3 they opened their doors to producers and the public to give a first-hand view of their work.

“By the time we are done our three years of testing entries, we normally run between 30 and 40 site years of data for each variety, so that usually gives a good idea to seed growers and producers how the varieties will perform in Manitoba,” said Patti Rothenburger, manager of research with Manitoba Agriculture.

The BRDC is one of Agriculture and Agri-Food Canada’s national network of 20 research and development centres and is home to a cereals quality lab that provides end-use quality testing for cereal breeders.

Oats
“Our oat-breeding program is funded by a consortium of millers and seed growers and



The Brandon Research and Development Centre held a field tour of its oats and wheat trials on August 3. PHOTOS: JENNIFER PAIGE



Andrew Burt, wheat breeder with BRDC and Jennifer Mitchell Fetch, oat breeder with BRDC.

they are mainly interested in milling oat cultivars, so that is what the main focus of our breeding program is here,” said

Jennifer Mitchell Fetch, oat breeder with BRDC. Currently there are five different oat programs at the cen-

tre: the Western Cooperative Oat Registration Trial (WCORT), the Eastern Cooperative Oat Registration Trial (ECORT), Manitoba Crop Variety Evaluation Trials (MCVET), Northern Collaborative Oat Research Enterprise trials and the Quaker International Oat Nursery.

Mitchell Fetch, who conducts the WCORT, explains that every oat in Western Canada has to go through this trial in order to be registered with CFIA and commercially marketed.

“We grow these in about 19 locations across Canada. The eastern locations are more for the seed marketers to have observation sites but we report the data at the Prairie Grain Development Committee meeting in February every year,” Mitchell Fetch said. “All of the evaluation teams look at the data and decide which cultivars can be moved forward to request registration from CFIA.”

The WCORT runs for two years and also conducts disease and quality evaluations.

Mitchell Fetch says producers are generally most interested in the MCVET trials as these are varieties that are currently available to them.

“The MCVET trials are the commercially available cultivars. They are available and something that producers could purchase from the seed marketers and use on their farm immediately,” Mitchell Fetch said.

She adds that over the past few years, researchers are seeing more lines coming out of Eastern Canada.

The MCVET Oat Trial includes six varieties that were seeded on May 19, CS Camden, CDC Norseman, Leggett, Kara, Akina, and AAC Nicholas.

“CS Camden is high yielding, a bit shorter and stands quite nicely. It is susceptible to stem rust and moderately susceptible to crown rust, which is a concern in Manitoba because of our humid environment,” Mitchell Fetch said.

She notes that researchers currently don’t know a lot about the Kara and Akina varieties but are monitoring adaptation and are hopeful they have good milling potential.

“AAC Nicholas is from the Ottawa breeding program and

it is a very high yielder in the Ontario growing environment, so we are interested to see if it will do well here in Western Canada as well.”

Wheat

BRDC has five wheat trials on the go this summer: the Central Bread Wheat Co-op Trial, the Canada Northern Hard Wheat Registration Trial, the Hard White Wheat Western Co-op Trial and two MCVET wheat trials.

Andrew Burt, wheat breeder with BRDC, says in the Hard White Wheat Registration trial researchers are focusing on getting plant height down and improving standability and threshability.

“This market class is still a developing one, but I think that we are making a lot of gains in it,” Burt said. “The highlight in this program right now is that there are several lines in the second year that have carrying midge resistance, which if those proceed, will be the first hard white wheat lines to be registered with that trait.”

There are currently three breeders contributing to this project and, including checks, the trial consists of 25 lines.

In the first set of MCVET wheat trials, there are 14 varieties being tested, including Glenn, Carberry, AAC Prevail, AAC Cameron VB, AAC Jatharia VB, AAC Tradition, SY479 VB, CDC Bradwell, AAC W1876, AAC Connery, Thorsby, AAC Viewfield, BW496, and AAC Redberry.

Santosh Kumar, bread wheat breeder with BRDC says if you are looking for quality, the quality committee has marked the Glenn variety as the highest standard for gluten strength.

“Glenn is the highest standard for gluten strength in the class. It is an excellent line, still widely grown, with very good fusarium resistance,” Kumar said.

He notes that the Carberry variety is the most widely grown line and holds good resistance to fusarium but is at the lower end of the quality class, according to the grain commission.

For those looking for straw for cattle, Kumar suggests AAC Cameron VB.

“AAC Cameron VB is a BRDC line and it has good leaf rust resistance. It is a bit taller but very good for those who want to have some straw for cattle,” Kumar said.

Rothenburger points out that none of the MCVET trials are sprayed with a fungicide.

“We are really wanting to test the genetic potential and genetic resistance of varieties throughout the environments that they are grown in over the years,” Rothenburger said. “We want to know how they will perform before additional protection is added. Then anything the producer wants to apply will be an added layer of protection.”

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Agricultural Hall of Fame

Four Manitobans were inducted into the Manitoba Agricultural Hall of Fame at a ceremony in Portage la Prairie July 14. We're featuring each one with their citations in successive issues

After being raised on the family farm, Weldon Newton attended the University of Manitoba where he obtained his degree in agriculture majoring in soil science. Weldon and his brother Murray took over the farm, a farrow-to-finish hog operation as well as a grain operation growing cereal grains, canola, pulse crops and forage seed, in 1984 when their parents retired. Weldon along with his brother Murray and sister-in-law Donna were named the 2002 Red River Exhibition Farm Family of Year.

Weldon joined the Manitoba Hog Producers Marketing Board in 1973 and served for 20 years. In 1984, as the Manitoba representative on the Canadian Pork Council, Weldon was part of



Weldon Newton, Neeopawa
1947 –

the committee that developed the first "Recommended code of practice for the care and handling of farm animals — PIGS." And from 1992-98, Weldon served on the board of the Prairie Swine Centre

where he supported a new approach to agricultural research objectives that were relevant to the industry at the time.

Weldon is often seen supporting an initiative or policy of an agricultural organization that clearly was not in the best interest of his own farm, but one he felt was in the best interest of agriculture collectively. Weldon has been recognized as being selfless and rises above self-interest to recognize the right thing for the industry.

His 16-year tenure as a Keystone Agriculture Producers board member (including four years as vice-president and two years as president) went a long way toward building the organization's credibility with livestock producers and organizations in the

province. And when the cattle industry went through the BSE crisis, Weldon's leadership at KAP played an integral role in supporting the lobbying efforts of the Manitoba Cattle Producers and, ultimately, encouraged them to take the lead role.

Manitoba's rural community has benefited from Weldon Newton's leadership as he consistently sets aside his business interests to make time to improve the greater community.

Weldon has umpired baseball for 40 years and was awarded the Umpire of Merit award in 2007 by the Manitoba Baseball Association. This was a very fitting honour bestowed upon him and demonstrated the importance sports played throughout his life.

WHAT'S UP

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

Aug. 19: Manitoba Sheep Association annual general meeting, 6:30 p.m., Portage Fair Grounds, Portage la Prairie. For more info call 204-421-9434 or email mb@mbsheep.ca.

Sept. 15: Free First Aid for Horses Clinic with Dr. Dave Snell, 7 p.m., Poco-Razz Farm, 130 Greenview Rd., Winnipeg. For more info or to register (required) call 204-255-4717.

Sept. 18-21: ABIC 2016: Agricultural Bioscience International Conference, FargoDome, 1800 N. University Dr., Fargo, N.D. For more info visit abic2016.com.

Oct. 4-6: Canadian Agricultural Safety Association annual conference, Rodd Charlottetown, 75 Kent St., Charlottetown, P.E.I. For more info visit conference.casa-acsa.ca.

Nov. 15-17: Canadian Forage and Grassland Association annual conference, Fairmont Winnipeg, 2 Lombard Place, Winnipeg. For more info visit canadianfga.com/CFGA_Conf/.

FESTIVALS

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

Aug. 12-14: Roblin Fair. Call 204-937-3152 or email roblinag@live.com.

Aug. 12-14: Gladstone Fair. Call 204-870-9524 or email clay@mymts.net.

Aug. 12-14: Winkler Harvest Festival and Exhibition, 600 Park St., Winkler. Call 204-325-5600 or visit winklerharvestfestival.com.

Aug. 13: Rossburn Fair. Call 204-859-3389 or email brian@inethome.ca.

Aug. 18-21: Hanover Ag Fair, Southwood Street and Albert Avenue, Grunthal. Call 204-371-6745 or visit www.hanoverag.com.

Aug. 18-21: Wild West Daze, Virden. Visit virdenindoorrodeo.ca.

Aug. 19-21: Quarry Days, Stonewall. Visit stonewallquarrydays.ca or call 204-467-7979.

Aug. 19-21: Rainbow Trout Music Festival, Oroseau Campground, St. Malo. Visit www.rainbowtroutmusicfestival.com.

Aug. 20: Kelwood Agricultural Society Fair. Call 204-967-2830 or visit kelwoodagsociety.webs.com.

Aug. 20-21: Logging Days, Marchand. Visit www.facebook.com/MarchandLoggingDays.

Aug. 26-28: Corn and Apple Festival, Morden. Call 204-823-2676 or visit cornandapple.com.

Aug. 27-28: McCreary Fair. Call 204-835-2809.

Sept. 9-11: Double B Agricultural Festival, Beausejour. Call 204-205-0723 or email doublebrodeo@highspeedcrow.ca.

Sept. 16-18: Harvest Moon Festival, Clearwater. Visit www.harvestmoonfestival.ca.

Sept. 23-25: Scarecrow Days, Souris. Visit www.sourismanitoba.com.

Sept. 24: Teulon Pumpkinfest. Call 204-467-9064 or visit www.teulonpumpkinfest.com.



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Cattle Prices

(Friday to Thursday)		Winnipeg	August 5, 2016		
SLAUGHTER CATTLE					
Steers		—			
Heifers		—			
D1, 2 Cows		—			
D3 Cows		—			
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.)	Not Available			
Heifers	(901+ lbs.)	This Week			
	(801-900 lbs.)	—			
	(701-800 lbs.)	—			
	(601-700 lbs.)	—			
	(501-600 lbs.)	—			
	(401-500 lbs.)	—			
Futures (August 5, 2016) in U.S.					
Fed Cattle	Close	Change	Feeder Cattle	Close	Change
August 2016	116.33	3.00	August 2016	147.58	7.10
October 2016	114.78	2.68	September 2016	145.23	6.07
December 2016	114.88	2.20	October 2016	142.98	4.63
February 2017	112.43	2.08	November 2016	139.95	4.52
April 2017	106.33	2.50	January 2017	135.43	4.10
June 2017	104.90	1.48	March 2017	133.58	3.47

Cattle Slaughter			Cattle Grades (Canada)		
	Week Ending July 30, 2016	Previous Year		Week Ending July 30, 2016	Previous Year
Canada	56,610	48,122	Prime	803	665
East	11,280	9,745	AAA	31,066	24,863
West	45,330	38,377	AA	17,380	14,274
Manitoba	NA	NA	A	730	794
U.S.	581,000	5323,000	B	916	1,079
			D	5,054	5,758
			E	194	285

Hog Prices

(Friday to Thursday) (\$/100 kg)		Source: Manitoba Agriculture		
E - Estimation				
MB. (\$/hog)	Current Week	Last Week	Last Year (Index 100)	
MB (All wts.) (Fri-Thurs.)	180E	188.67	193.33	
MB (Index 100) (Fri-Thurs.)	166E	174.84	179.31	
ON (Index 100) (Mon.-Thurs.)	168.64	177.85	187.37	
PQ (Index 100) (Mon.-Fri.)	175.38	184.96	189.90	

Futures (August 5, 2016) in U.S.		
HOGS	Close	Change
August 2016	67.70	-1.15
October 2016	58.50	-0.70
December 2016	54.38	-0.45
February 2017	59.48	0.20
April 2017	64.90	0.90

Other Market Prices

Sheep and Lambs			
\$/cwt		Winnipeg	SunGold
Ewes	Choice	Wooled Fats	Specialty Meats
Lambs	(110+ lb.)		—
	(95 - 109 lb.)	Next Sale	
	(80 - 94 lb.)	August 5, 2016	
	(Under 80 lb.)		
	(New crop)		

Chickens		Eggs	
Minimum broiler prices as of April 13, 2010		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.	
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		Goats	
Minimum prices as of July 31, 2016			
Broiler Turkeys		Horses	
(6.2 kg or under, live weight truck load average)			
Grade A	\$1.990		
Undergrade	\$1.900		
Hen Turkeys			
(between 6.2 and 8.5 kg liveweight truck load average)			
Grade A	\$1.980		
Undergrade	\$1.880		
Light Tom/Heavy Hen Turkeys			
(between 8.5 and 10.8 kg liveweight truck load average)			
Grade A	\$1.980		
Undergrade	\$1.880		
Tom Turkeys			
(10.8 and 13.3 kg, live weight truck load average)			
Grade A	\$1.920		
Undergrade	\$1.835		
Prices are quoted f.o.b. producers premise.			

COLUMN

U.S. cash cattle sales boost Chicago futures

The expanding U.S. herd still adds price pressure

DAVE SIMS
CNSC



Activity at auction marts across Manitoba was noticeably slower during the week ended Aug. 5. Just one of the province's eight major stockyards issued a market report, due to either low volumes or summer shutdowns.

“It’s the summer slowdown; it will be interesting to see how much marketing gets done in the fall,” Brian Lemon, general manager of Manitoba Beef Producers, observed.

While prices have come off the highs of last fall, Lemon said they still aren't too bad overall.

“Generally speaking the industry is in a positive way, not down to where we’re dealing with the red ink,” he said.

Hopefully, higher prices are on the way for the Canadian cattle industry, he said.

Prices for boxed beef in the U.S. have been falling, with some market watchers blaming hot weather in the Midwest, saying it typically causes consumers to opt for lighter fare.

Higher prices for cash cattle sales in the U.S. boosted futures on the Chicago Mercantile Exchange by a slight margin on Aug. 5, a bump that should help Canadian sales in the days to come.

Some of the increase can likely be traced to a softer hog market. Futures for pork have been weakening of late, due to growing inventories in the U.S.

Meanwhile, fewer cattle were taken to feedlots in the U.S. than originally estimated, which was bullish for the market.

The swelling size of the U.S. herd has been one of the problems plaguing Canadian prices, Lemon said.

“I don’t think there’s going to be any issues with the amount of feed; quality might be an issue.”

BRIAN LEMON
Manitoba Beef Producers

“There’s a huge cattle herd in the States, which is impacting some producers’ decisions,” he said.

Fortunately, he said, this summer’s weather has been helpful for feed supplies.

“The challenge is getting it off the field. But there’s lots out there with all this rain,” Lemon noted.

Producers are faced with the usual questions of when to cut or how much, and how quickly it can be picked up, he said.

“I don't think there's going to be any issues with the amount of feed; quality might be an issue,” he said.

The rain hasn’t just been a problem for cutting hay, either. Some pastures northwest of Dauphin have been left with water in them due to heavy downpours.

“Certainly I would expect we’re getting pretty close to being flooded and some of the guys are,” said Lemon, adding the situation could still be a lot worse.

“Guys are trying to be pretty strategic, looking into the forecast to see when should I cut, when should I not cut?”

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

BRIEFS

Tyson Foods projects record profits

BY TOM POLANSEK
REUTERS

The world’s largest meat processor is expecting record profits for the next two years.

Tyson Foods said a new focus on high-value packaged products is driving the surge, which caused quarterly earnings to smash analysts’ expectations Aug. 8.

Excluding one-time items, the company earned \$1.21 per share. Sales fell 6.6 per cent to \$9.40 billion. Analysts had expected earnings of \$1.06 per share and revenue of \$9.33 billion.

The company has cashed

in as costs for livestock have fallen due to larger herd sizes and a decline in prices for grain due to massive global inventories. It also has benefited by shifting its strategy toward selling prepared food items that command higher margins than commodity meats.

“Tyson is firing on all cylinders right now, and with corn below US\$3.40/bushel, we think the lights will stay on at the party for some time,” JP Morgan analyst Ken Goldman said in a note.

Food companies, including Tyson, must adapt their product lines as consumers are increasingly turning to fresher items and those perceived to be healthier.

Tyson said its retail sales volumes of fresh meat were growing, with consum-

ers shopping more on the perimeter of grocery stores. It also said it may expand into organically raised chicken.

“That is something we’re squarely focused on as consumers are demanding products in that area,” president Tom Hayes told reporters on a conference call.

Perdue Farms, a privately held competitor to Tyson, has been selling organic chicken since 2011 and says it is the largest U.S. organic-certified chicken producer.

Overall, supplies of chicken, beef and pork are expected to rise next year, which could pressure meat prices and processors’ earnings. But Hayes said Tyson executives “don’t feel threatened” by the outlook.

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

GRAIN MARKETS

COLUMN

Speculators still bearish despite canola concerns

Demand from exporters and crushers appears solid

PHIL-FRANZ WARKENTIN
CNSC



ICE Futures Canada canola contracts held just above major contract lows during the week ended Aug. 5, as bearish speculators remained on the sell side despite mounting pockets of production concerns across the Prairies.

Heavy rains fell in many areas over the August long weekend and again later in the week. The moisture was accompanied by heavy winds, and market participants kept busy contemplating just how much production might be lost.

The size of the crop will be especially important going forward, as both export and domestic crusher demand should remain solid in 2016-17.

The final tallies for the 2015-16 crop year show the domestic crush at about 8.3 million tonnes, according to the Canadian Oilseed Processors Association. Exports were even stronger, at over 10 million tonnes, according to the Canadian Grain Commission.

Crush margins over the course of the past crop year were much less favourable overall than current levels, which means canola seed is very attractively priced for end-users at current levels. Agriculture and Agri-Food Canada is currently only forecasting canola production in 2016-17 at 15.9 million tonnes, which would be well off the potential 18-million-tonne-or-more demand prospects. As a result, carry-out will tighten and the market will need to work to ration demand.

However, that rationing will be done in relation to other oilseeds, which means canola prices can still go lower if Chicago Board of Trade soybeans see even larger losses.

Soybeans were down during the week, with generally favourable Midwestern crop prospects keeping that market under pressure. Strength in the U.S. dollar index was also bearish across the board for U.S. grains and oilseeds. However, the weakness in beans was

For three-times-daily market reports and more from Commodity News Service Canada, visit the Markets section at www.manitobacooperator.ca.

also bringing in some good export business, keeping prices off their lows.

The U.S. Department of Agriculture releases its first official survey-based production estimates of the year on Aug. 12. While the general consensus among industry participants is for a big crop this year, USDA has a pattern of keeping yield estimates on the smaller side in the August report. If that pattern holds, some traders could be in for a surprise.

Corn futures hit contract lows during the week, but held steady once those lows were in place. Weather conditions over the next few weeks will be key going forward, which should keep some caution in the futures heading into the harvest period.

The U.S. winter wheat harvest is wrapping up and spring wheat is just getting started. Prices were up and down during the week, but managed to post gains in the nearby months on the back of production concerns in Europe. Both France and Germany had crops hurt by excess moisture, with very disappointing yield estimates out of the major European wheat-growing countries. However, the Black Sea region and Eastern Europe may make up for any issues in Western Europe, keeping the overall global wheat supply situation looking burdensome.

Phil Franz-Warkentin writes for Commodity News Service Canada, a Winnipeg company specializing in grain and commodity market reporting.

Manitoba Elevator Prices

Average quotes as of August 4, 2016 (\$/tonne)

	Future	Basis	Cash
E. Manitoba wheat	181.88	25.08	206.96
W. Manitoba wheat	181.88	19.25	201.13
E. Manitoba canola	449.80	-37.15	412.65
W. Manitoba canola	449.80	-37.57	412.23

Source: pdqinfo.ca

Port Prices

As of Friday, August 5, 2016 (\$/tonne)

	Last Week	Weekly Change
U.S. hard red winter 12% Houston	150.37	0.92
U.S. spring wheat 14% Portland	217.70	3.76
Canola Thunder Bay	441.90	-4.10
Canola Vancouver	471.90	5.70

Closing Futures Prices

As of Thursday, August 4, 2016 (\$/tonne)

	Last Week	Weekly Change
ICE canola	446.90	-4.30
ICE milling wheat	205.00	-2.00
ICE barley	138.00	-7.00
Mpls. HRS wheat	179.59	0.73
Chicago SRW wheat	148.17	-2.57
Kansas City HRW wheat	149.09	-1.19
Corn	126.27	-4.13
Oats	119.96	-8.59
Soybeans	357.70	-11.02
Soymeal	361.46	-14.88
Soyoil	675.61	25.36

Cash Prices Winnipeg

As of Thursday, August 4, 2016 (\$/tonne)

	Last Week	Weekly Change
Feed wheat	140.35	-26.09
Feed barley	149.27	-6.89
Rye	n/a	n/a
Flaxseed	438.56	-4.72
Feed peas	192.54	n/a
Oats	166.64	-3.89
Soybeans	497.00	-8.00
Sunflower (NuSun) Fargo, ND (\$U.S./CWT)	17.20	n/a
Sunflower (Confection) Fargo, ND (\$U.S./CWT)	Ask	Ask

Wheat bids hang relatively steady in Western Canada

U.S. futures add some support to cash wheat prices

BY DAVE SIMS
CNS Canada

Spring wheat cash bids across Western Canada chopped around during the week ended Aug. 5, eking out minor gains in some areas. Futures in the U.S. were slightly higher, which lent some strength to values.

Depending on the location, average Canada Western Red Spring (CWRS) wheat prices were up \$1-\$2 per tonne, according to price quotes from a cross-section of delivery points across the Prairie provinces compiled by PDQ (Price and Data Quotes). Average prices ranged from about \$198 per tonne in southeastern Saskatchewan to as high as \$211 in parts of Alberta.

Quoted basis levels varied from

Average durum prices were down by \$3-\$8 per tonne, depending on the location.

location to location, to range from \$10 to \$29 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\$150 to US\$160 per tonne. That would put the currency adjusted basis levels at about US\$19-\$29 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 \$26 to \$38 below the futures.

Average Canada Prairie Spring Red (CPSR) bids came in at about \$161 per tonne in Saskatchewan, and \$151 to \$171 per tonne in Alberta.

Average durum prices were down by \$3-\$8 per tonne, depending on the location, with bids in Saskatch-

ewan ranging from roughly \$244 to \$245 per tonne.

The September spring wheat contract in Minneapolis, off of which most CWRS contracts in Canada are based, was quoted at US\$4.95 per bushel on Aug. 5, up 6.75 U.S. cents per bushel from the previous week.

Kansas City hard red winter wheat futures, traded in Chicago, are more closely linked to CPSR in Canada. The September K.C. wheat contract was quoted at US\$4.1175 per bushel on Aug. 5, up two U.S. cents compared to the previous week.

The September Chicago Board of Trade soft wheat contract settled Aug. 5 at US\$4.16, up by 8.25 U.S. cents on the week.

The Canadian dollar closed Aug. 5 at 75.96 U.S. cents on Aug. 5, up over half a cent relative to its U.S. counterpart on the week.

LIVESTOCK

HUSBANDRY — THE SCIENCE, SKILL OR ART OF FARMING

Applied research already well underway at MBFI

MBFI has kick-started a number of research projects, examining everything from energy-dense annual forages to riparian health

BY JENNIFER PAIGE
Co-operator staff/Brandon

Just 18 months into its existence, the Manitoba Beef and Forage Initiative (MBFI) has hit the ground running with a number of research projects.

“Transitioning from the initial concept of MBFI to successfully completing several research projects in such short order is no small feat,” said Ramona Blyth, chair of the MBFI board during the McDonald’s Production Day Tour held at MBFI’s Brookdale research farm on July 26. “It took people with a shared vision, which was demonstrated by all our partners.”

The initiative’s four core partners include Manitoba Agriculture, Manitoba Forage and Grasslands Association, Manitoba Beef Producers and Ducks Unlimited.

These groups have come together to engage in science-based research in order to benefit ecosystems, improve producer adaptability and build social awareness around the beef and forage industries.

Guided by a research advisory committee, MBFI selected nearly a dozen research projects and has started to carry them out at the Brookdale farm this season.

Underway

Current projects at the MBFI Brookdale farm include a study on energy-dense annual forages, which is being led by Juanita Kopp, beef specialist with Manitoba Agriculture.

This project will evaluate the productivity, quality and growth characteristics of energy-dense forages not typically grown in Manitoba, including chicory and plantain.

Rafael Otfinowski from the University of Winnipeg and Kim Wolfe from Manitoba Agriculture are looking at drought and wet meadow grazing, specifically monitoring the effects of early-season grazing on the proliferation of foxtail barley.

Pam Iwanchysko, forage specialist with Manitoba Agriculture has taken the lead on two research projects at



Pam Iwanchysko, forage specialist with Manitoba Agriculture, is currently leading a research project on polycropping and planned grazing.

“I think that we have a good collaborative project here.”

PAM IWANCHYSKO
Manitoba Agriculture

the site, the first looking at the impact of annual forage cropping mixtures.

“Basically we are looking at investigating impact of a multi-species mixture of forages on microbiology in the soil,” Iwanchysko said. “We have taken some base measurements before we started and will do some soil monitoring before and after grazing.”

The polycropping project involves 16 acres subdivided into four-acre pastures, seeded with polycrop mixtures. At the beginning of October half of the pastures will be grazed and the other half will be left.

“What we have used is the cool-season grasses, like Italian ryegrass and oats, legumes, as well as peas, vetches and clover and then we used some brassicas as well,” Iwanchysko said. “We have not used any fertilizer as we are going to try and capture some of that fertility through the microbiology and through the nitrogen fixation.”

Soil microbial communities and composition will be monitored throughout the project.

“I think that we have a good collaborative project



Land management specialist with Manitoba Agriculture, Marla Riekman discusses the impacts forage and grazing practices have on the soil. PHOTOS: JENNIFER PAIGE

here. We were able to secure a researcher who will be doing some of the soil monitoring for us. I am really excited to have this project going on here. I think it is a great example of what can be done at anybody’s place,” Iwanchysko said.

Grazing

Iwanchysko will also lead a planned grazing project where researchers will create a planned grazing system with 50 head of cattle and evaluate animal performance and forage productivity.

Shawn Cabak, livestock specialist with Manitoba Agriculture is leading another project that looks at how producers can reduce feeding costs through extended grazing.

“Here at MBFI we have about four months of grazing perennial pastures from June until September. That is generally what a lot of producers do around here. You might get four to five months on your perennial pastures and then when you get into October and it’s dry, you don’t have much regrowth or a lot of grazing in the fall time, so then what do you do, start feeding your stored feed? You

can, but it gets expensive,” Cabak said. “The goal is to extend the grazing season by swath grazing barley, oats and millet as well as corn and bale grazing.”

Cabak and his team will assess various extended grazing strategies to see the impacts on cost as well as nutrient returns to the soil.

“Producers who have been practising extensive grazing for a number of years will use a combination of practices. Rarely does one practice get you through the whole winter but by using several methods we plan to graze for the whole year and have nearly zero confinement,” Cabak said.

Waterways

The health and rejuvenation of riparian areas are also being examined.

Research development specialist with Manitoba Agriculture, Kim Wolfe is leading a project on riparian health assessment and shelterbelts, which has begun evaluating site trends, determining the overall condition of riparian areas both with and without grazing impacts, cropping practices and planted buffer strips.

“In a healthy riparian area

you want to see a lot of deep-rooted vegetation, diverse group of plants of all different ages,” Wolfe said. “In an unhealthy riparian area you are going to lack that heavy vegetation or it is going to be heavily browsed and there will be non-native shallow-rooted grasses.”

For those concerned about the health of riparian areas on their property Wolfe recommended conducting a riparian health assessment.

“There is a good manual online from Alberta Cows and Fish, and this one is exclusively for lakes, sloughs and wetlands. This can help you to determine the health of your riparian areas,” Wolfe said.

For more information on the manual, visit: <http://cowsandfish.org/publications/assessment.html>.

Land management specialist, Marla Riekman will also be working with MBFI, taking an in-depth look at how various forage and grazing management practices can influence soil health.

For more information on MBFI projects visit <http://www.mbfi.ca/>.

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Get rid of your cattle if they’re getting too big

Heavier cattle — particularly ones with small frames — can develop feet problems, especially if they suffer heat stress

BY ALEXIS KIENLEN
Staff

Don't keep big, fat cattle around because it could increase animal welfare problems.

Animal welfare icon Temple Grandin has recently been sounding alarms about more lameness in beef cattle and part of that is related to heavier weights and genetics.

"There are certain genetic lines of beef cattle that are repeating a mistake the pig industry made back in the 1980s and early 1990s when it just selected for production traits and ended up with leg conformation issues," the Colorado State University professor told Australian newspaper *Farm Weekly* last month.

There are some challenges that can arise with heavier cattle, said feedlot veterinarian Joyce Van Donkersgoed.

"It really depends on the frame size of the cattle," said the Picture Butte, Alta.-based veterinarian. "If they have the frame, they can carry the weight. You get exotic-breed cattle like Charolais or Simmental Cross, those are big-frame cattle and they can carry the weight. It doesn't impact them.

"Where we tend to see more issues are in the British breeds, like the Angus or Herefords."

Smaller-framed animals that are raised to 1,500 to 1,700 pounds can become stiff in their gait.

"They don't quite walk, they waddle," said Van Donkersgoed. "If you keep them at that size for a long time, you will have feet break down on you."

Fat cattle, especially ones that are black, will also have more trouble with heat stress.

Cattle with founder (laminitis) — a condition caused by feeding too much grain — can also develop sore feet.

"The heavier you make them, the harder it is on their feet," she said. "Their feet are sore to start with and then you put more weight on them. And then it hurts more. Those cattle will get stiffer and stiffer and get pain in their feet.

"Those cattle, you shouldn't keep them around. You should sell them as quickly as you can."

The performance of cattle with founder will go down and they won't gain any more, she added.

Remove heavy ones

The trend for size comes and goes depending on market price and the availability of feeder cattle.

"Feedlot guys make cattle bigger depending on the price of feed, the price of fat cattle, the price of buying replacements, and the availability of replacements. They're also looking at whether they have a contract to fill," said Van Donkersgoed.

Warm winters can make a difference in the speed that animals gain. This year's winter was mild, so cattle got bigger faster than they were projected to gain. If a packer changes their contract and delays shipping, this can add to the problem.

"If the (feedlot owner) had an agreement with the packer and then they can't ship cattle for another month, the feedlot

guy is still going to have to keep them and feed them for another month and then they'll just get bigger," she said.

When prices drop, the feedlot owner may keep on feeding cattle while waiting for a better price.

There are a few things that producers can do to minimize problems caused by heavier cattle.

Van Donkersgoed recommends sorting cattle into different weight classes, by weighing or ultrasounding them.

"Peel off the heavy ones and send them right away," she said. "Put the lighter cattle into different marketing groups and you can feed them for different lengths of time.

"Get a consistent package of cattle going to the packer, which he wants. This makes sure that the packer doesn't give massive discounts on overweights. Producers can get dinged big time for overweight cattle."

Also, manage the cattle in groups, and try to ship them on time. Those working with animals should be trained to find cattle that have foundered, pull them and ship them. And provide lots of water to reduce heat stress.

"Cattle don't sweat so if there's no wind to cool them off, you need to make sure you have a lot of water for them," she said.

In cases of extreme heat stress, cattle need to be fed early in the morning and late at night. If the ground is too hot, put out straw for bedding. Sprinklers can also help cattle cool off, as long as they aren't running during mid-afternoon.

But when in doubt, it's best to ship.

"If you have a pen of big black heifers and it gets humid and hot, those cattle are going to be in trouble for heat stress. You need to get them gone. They need to go on a truck and go bye-bye."

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Joyce Van Donkersgoed demonstrates processing techniques to students from Olds College. PHOTO: SUPPLIED



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LIVESTOCK AUCTION RESULTS

Weight Category	Ashern	Gladstone	Grunthal	Heartland	Heartland	Killarney	Ste. Rose	Winnipeg
				Brandon	Virden			
Feeder Steers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3-Aug
No. on offer	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Over 1,000 lbs.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
900-1,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	150.00-165.00
800-900	n/a	n/a	n/a	n/a	n/a	n/a	n/a	160.00-176.00
700-800	n/a	n/a	n/a	n/a	n/a	n/a	n/a	175.00-184.00
600-700	n/a	n/a	n/a	n/a	n/a	n/a	n/a	172.00-188.00
500-600	n/a	n/a	n/a	n/a	n/a	n/a	n/a	170.00-195.00
400-500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
300-400	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Feeder heifers								
900-1,000 lbs.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	140.00-152.00
800-900	n/a	n/a	n/a	n/a	n/a	n/a	n/a	145.00-158.00
700-800	n/a	n/a	n/a	n/a	n/a	n/a	n/a	145.00-163.00
600-700	n/a	n/a	n/a	n/a	n/a	n/a	n/a	145.00-170.00
500-600	n/a	n/a	n/a	n/a	n/a	n/a	n/a	150.00-172.00
400-500	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
300-400	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Slaughter Market								
No. on offer	n/a	n/a	n/a	n/a	n/a	n/a	n/a	65
D1-D2 Cows	n/a	n/a	n/a	n/a	n/a	n/a	n/a	92.00-103.00 (108.00)
D3-D5 Cows	n/a	n/a	n/a	n/a	n/a	n/a	n/a	84.00-92.00
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	n/a	n/a	n/a	110.00-133.00 (136.00)
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	n/a
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	n/a	n/a	n/a	110.00-129.00
* includes slaughter market								

(Note all prices in CDN\$ per cwt. These prices also generally represent the top one-third of sales reported by the auction yard.)

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SPACE & MATERIAL DEADLINE:

Friday September 9th

There can be a deadly danger in your dugout

Toxins from blue-green algae can be fatal if ingested by livestock, but you can reduce the risk

STAFF

It's the time of year to keep watch for blue-green algae. "Blue-green algae is actually cyanobacteria, and can produce toxins that can be very dangerous," said Shawn Elgert, an agricultural water engineer with the Alberta government. "It can cause organ damage or even death if ingested by livestock or pets. If you are trying to determine the cause of poisoning, there are other potential toxins on the farm that can also cause damage to cattle such as poisonous plants. An example of this is water hemlock."

The first important step is to identify the type of growth, he said.

"Blue-green algae can look like blue-green scum, pea soup, or grass clippings suspended in the water. You should start watching for it when the temperatures increase."



Toxins produced by blue-green algae can cause organ damage or even death if ingested by livestock or pets. PHOTO: THINKSTOCK

If blue-green algae is suspected in a dugout, be cautious. "You should contact a water specialist to diagnose the growth to determine if it is potentially a toxic growth," said Elgert. "You should also remove your livestock from the water source in the interim and prevent them from accessing it. One rule of thumb is that if you can grab it as a solid mass in your hand, that is not blue-green algae."

There is a copper product registered for use on blue-green algae in farm dugouts.

"Once you treat it, consumption should be restricted for up to a month. The use of copper will break the cells open and release the toxins, if present, into the water all at once. So it's important that you stop using the water during this time so the toxins can degrade. You can follow up with aluminum sulphate and/or hydrated lime treatments afterwards to remove the nutrients from the water to prevent regrowth."

There are also preventive measures that can be taken.

Temperature is an important factor in the growth of blue-green algae, so a deeper dugout with slopes that are not too flat would help make the dugout water cooler.

For information on reducing nutrients — which are required for growth of blue-green algae — from entering a dugout, see the *Quality Farm Dugouts* manual (go to www.agriculture.alberta.ca and search for "quality dugout").

"Buffer strips and grassed waterways are examples of how you can reduce nutrients," said Elgert. "Dugouts should not be built in the waterway as sediments can bring more nutrients into the dugout and depth can be lost quickly. Aeration of the dugout can also help improve the water quality. Also, a dye packet can be thrown into the dugout to help prevent photosynthesis from occurring, thereby reducing the growth of blue-green algae. However, one action alone may not be enough to prevent growth."

Wind can push the blue-green algae into highly concentrated pockets where the risk of harm is higher.

"Since blue-green algae can rise or fall in the water column, inspection of the dugout should include peering into the deeper part of the water. Always be safe around the dugout by going along with another person and have a rope with a flotation device attached."

Manitoba celebrates bacon month

Winnipeg is considered Canada's bacon capital

STAFF

If bacon makes everything better, Winnipeg must be the best place on earth.

That's because Canada's bacon capital is celebrating Bacon Month in Manitoba, for the third year in a row, and Manitoba Pork is calling on bacon lovers to help celebrate by entering a contest to win bacon for a year.

There's little doubt the provincial capital qualifies for the distinction.

The Maple Leaf Foods plant on Lagimodière Boulevard is the largest bacon-processing facility in Canada, producing more than 25 million kilograms of bacon each year. A recently announced investment in the facility by the federal and provincial governments means that bacon production at the plant will increase by eight million kilograms a year in the near future.

"Manitoba is proud to be the bacon capital of Canada and we're inviting everyone to celebrate Bacon Month with us," Manitoba Pork chair George Matheson said. "The Manitoba hog industry contributes over \$1.7 billion annually to our economy and provides over 13,000 jobs."

Manitoba Pork will be celebrating everyone's favourite savoury meat at a variety of events, including at the Winnipeg Goldeyes game on August 17. Shaw Park will be sizzling with bacon promotions and bacon-themed edibles. The Goldeyes will be wearing special bacon jerseys and bacon-wear will be available for purchase.

Bacon Month continues at the Manitoba Pork tent at the Winnipeg BBQ & Blues Festival on August 19-20 at the Burton Cummings Theatre, and wraps up on August 31 with a Bacon Party at Pony Corral Pier 7, 1700 Pembina Highway.

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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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Clouds and showers, transitioning to warm and sunny

Issued: Monday, August 8, 2016 · Covering: August 10 – August 17, 2016

DANIEL BEZTE
Weather Vane



As we’ve seen more than once this summer, last week’s upper low ended up being stronger than expected and as a result, it moved slower. The biggest difference in the last couple of upper lows is that instead of bringing clouds and steady rain, they are the focal point for thunderstorms. The rest of last week’s forecast played out pretty well; unfortunately, this week’s forecast is not as promising in the sunshine department.

The key words for this forecast period are “low pressure,” as a couple of slow-moving systems will impact our weather. It doesn’t look now like either of these lows will directly hit us, but they will be close enough to bring us clouds along with the chance of showers and thundershowers.

The first low will track across North and South Dakota on Wednesday and take until Friday to pull off into Ontario. The majority of the precipitation looks as if it will stay well to our south, but we will see cloudy to partly cloudy skies. The best chance for

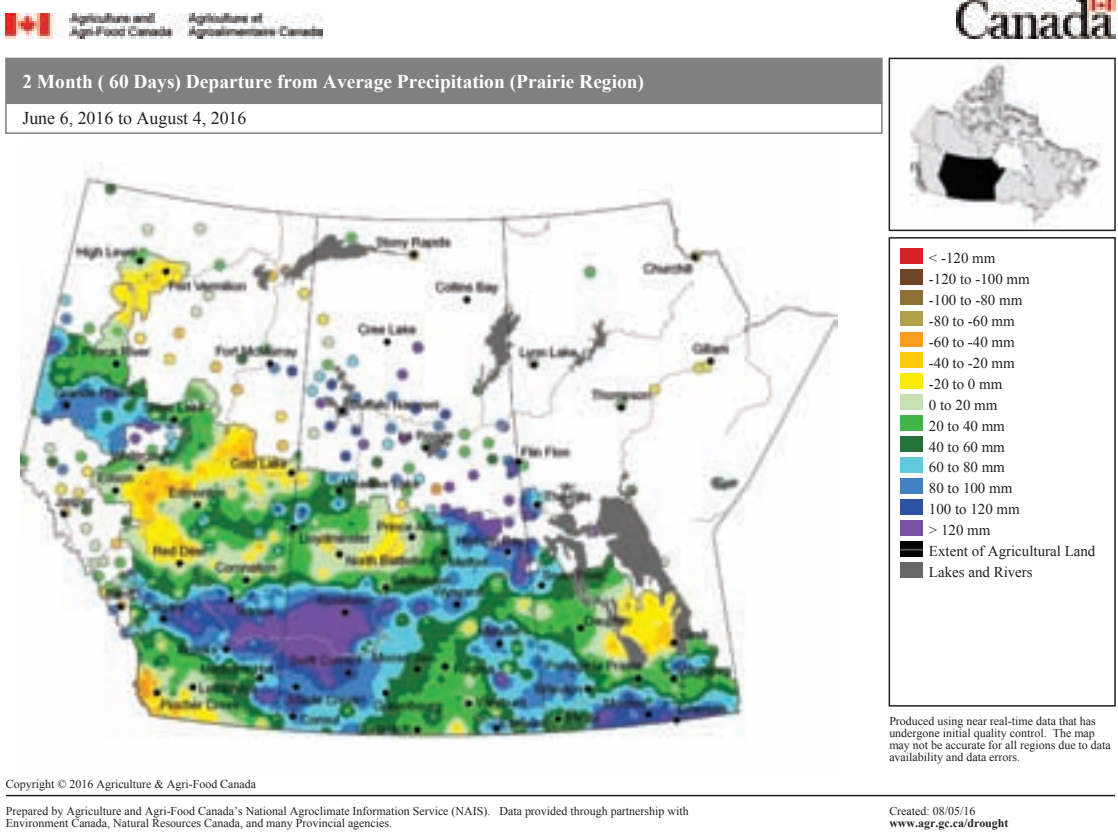
showers or thundershowers will be on Thursday and Friday, as the main upper-level support for this low moves across southern Manitoba. With the clouds, temperatures will be on the cool side, with daytime highs expected to be in the low 20s and overnight lows in the low to mid-teens.

We should see a return to sunshine over the weekend as high pressure builds in from the north. While it will feel warm under the sun, air temperatures are forecast to remain fairly cool, with highs remaining in the low 20s. By Sunday, a developing low to our northwest will help to create a southerly flow across our region. This will begin to boost our temperatures so that by Monday, highs will be back into the mid- to upper 20s. This low looks like it will stay well to our north, meaning sunny and warm conditions for at least the first half of next week.

Usual temperature range for this period: Highs, 21 to 30 C; lows, 10 to 16 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 during the first two months of this summer as a departure from average. Areas that are dark yellow to brown have seen below-average amounts; light-yellow, blue and green areas are near average; and dark-green, blue and purple areas have seen above-average amounts. A large portion of the Prairies has been relatively wet, with southeastern Alberta and southwestern Saskatchewan the wettest, receiving 100-120 mm or more precipitation above their averages.

To call weather events, not all legends make sense

Questions about weather lore? Ask me and I can explore

BY DANIEL BEZTE
Co-operator contributor

A number of different weather sayings and weather folklore has a base in sound weather principles. For example, one of the most well-known sayings goes something like “Red sky at night, sailors’ delight; red sky in the morning, sailors take warning.”

This saying works pretty well and makes sense if you live in the Northern Hemisphere, north of the tropics. In this region the prevailing winds in the upper atmosphere are from the west, which generally drives weather systems from west to east. To get a red sunrise or sunset you need to have a large number of particles in the air for the sunlight to bounce off, causing us to see more of the red light. These particles can either be dust from different sources or water droplets (moisture). At night or at sunset, for us to see the sun and a red sky, the sky along the horizon must be clear or clearing and there needs to be moisture in the

To see a red sky means the horizon is clear, but moisture is between us and the horizon.

air between us and the horizon. Since the sun is setting in the west and weather systems tend to move from west to east, this would mean the clearing taking place near the horizon should be moving in our direction, hopefully leading to a nice sunny day — thus the delight.

The opposite is true for a red sky in morning. To see a red sky means that again, the horizon is clear, but moisture is between us and the horizon. Since the sun rises in the east and weather systems generally move from west to east, that moisture must be moving into our region — thus the need to take warning.

Another popular saying or bit of weather lore that most people have heard around the Prairies is, “If there’s a halo around the moon, then rain will come soon.” While this might not always be true,

there is good sound weather logic behind it. For a halo to appear around the moon, there must be high cirrus clouds, which are made up of ice crystals. These high clouds of ice crystals can refract moonlight, allowing us to see a halo of light around the moon. Often when an area of low pressure or storm system is approaching it is preceded by these high cirrus clouds, so the saying make sense.

I know there are several others and I would love to take a look at them all. Some of these sayings/lore apply to our part of the world and some don’t. In fact, I am sure there are sayings and lore out there that are fairly local to any area of the Prairies. If you have a favourite weather saying or lore that you would like for me to explore or just share, feel free to email me at daniel@bezte.ca. Just place

the words *weather saying* or *weather lore* in the subject line.

August frogs

Along with weather sayings and lore that make good weather sense, there’s one that, to me, makes no sense at all. This one in particular has been shared with me several times in the past by different farmers across the Prairies and this same piece of weather lore was recently published by the *Old Farmer’s Almanac*. It states: “Like snow? Count the number of August fogs.” At first glance I thought it said “frogs” and I immediately went, “What the heck?” But then I remembered the few emails I had received over the years about this, and how certain the emailers had been about the truth of this saying.

When you look at most of the weather lore out there, it usually covers short-term weather. This one is one of the long-term predictions and I find that the longer the time period between observation and result, the more our minds tend to make things work out the way we

want them to. When I began to think about this one, I’ll have to admit I quickly shrugged it off as a big pile of you-know-what.

Valley regions tend to get a lot more fog than hilltops, so I guess these valley regions will be getting a heck of a lot more snow than the hilltops; that doesn’t make sense. To me, there are just too many geographical and local influences that impact fog formation for this to hold any real weather truth. If we were only to look at August fog events that impact a large geographical area, you might be able to make some kind of link between August fog and winter snow. Certain weather patterns can lead to more fog formation and these general patterns could either continue into the fall and winter or lead to a different weather pattern that may or may not be a snowy pattern in winter. I don’t know; I just can’t see how this one could work out or how you could accurately track it.

Again, if you have some insight into this or other weather sayings or lore, please let me know.

CROPS

HUSBANDRY — THE SCIENCE, SKILL OR ART OF FARMING



Foliar fertilizer shows promise in reducing zinc deficiency

Yield can no longer be considered only in terms of volumes and weights

BY SHANNON VANRAES
Co-operator staff

While many people are focused on the fight to end hunger, Professor Ismail Cakmak of Istanbul's Sabanci University is focused on the fight to end hidden hunger. "Hunger is a lack of food and that is related to food security," Cakmak told participants during a special seminar at the University of Manitoba this summer. "But hidden hunger means lack of the vitamins and minerals in a given food. So we have to distinguish food security from nutrition security. In the past we rarely talked about nutrition security, we talked a lot about food security, but not much about the nutrient security."

While the so-called Green Revolution did a great deal to increase yields, the professor of molecular biology, genetics and bioengineering said the push for bigger harvests also had unintended consequences. For one, it diminished the amount of nutrients in staple grain crops, such as wheat and corn.

"During the Green Revolution we focus always on the new genotypes having high capacity to produce more yield, make more grain, and more starch in the grain to increase the size to mitigate the hunger problem, but during that time we didn't pay sufficient attention to the nutritional value of the products that they produced," Cakmak said.

In wealthy, developed countries where vast quantities of animal protein are consumed, micronutrient deficiency isn't a problem, he explained. But in poor, developing nations where people eat little animal protein, diets are unable to compensate for the low level of micronutrients found in wheat, corn and rice.

"They are eating a lot of cereals, so that after a certain amount of time, deficiency problems with micronutrients develop," said the professor. "Because in the developing world, due to socio-economic



Ismail Cakmak, who recently spoke at the University of Manitoba, sees nutrition security and food security as two related but separate issues. PHOTO: SABANCI UNIVERSITY

reasons, people eat a lot of cereal-based foods."

In some regions of the world, 75 per cent of people's daily caloric intake comes from cereal crops, he said.

While developing new cultivars better able uptake micronutrients like zinc, iodine and iron is one possible solution, Cakmak said that plant breeding is a slow, long-term process that won't offer relief for decades. Fortification could provide very short-term relief to hidden hunger, but would be too expensive to maintain.

"Tell me, how can we implement such a solution in the rural areas of India? You cannot," he said. "Supplementation, fortification can be a good solution, but it is a short-term solution."

Even with better cereal varieties on hand, micronutrient-deficient soils could still defeat the best efforts of plant breeders, he added. About 40 per cent of the world's agriculture soils have some type of nutrient deficiency, he said.

"Zinc deficiency, iron deficiency are very common problems in agricultural soil," he said. "Today nearly 50 per cent of cereal soils have zinc deficiency... now imagine that you are growing these cereals on such deficient soils, you

further reduce the plant's ability to take up zinc."

"There is also close overlap between human zinc deficiency and soil zinc deficiency, and when you have zinc deficiency problems in the soil, then you have another problem, an agronomic problem, the seed has poor growth," he added.

But Cakmak said there is a third option in the works, one that would see farmers apply micronutrients as a foliar fertilizer.

"When we apply zinc not to soil, but to foliage, to leaves, shoots, you improve (wheat's) zinc concentration by 85 per cent, sometimes 100 per cent," said the professor, adding the new and unpublished findings come from his work with the HarvestZinc Fertilizer Project.

Part of the HarvestPlus Program, which is largely funded by the Bill and Melinda Gates Foundation, HarvestZinc launched in 2008. Now in its third phase, researchers are testing newly developed zinc- and iodine-containing fertilizers on wheat, rice and corn in China, India, Thailand, Pakistan, South Africa and Brazil.

"So this biofortification, this enrichment of the food crops

"Medicine and agriculture must work together... but the only real solution for micronutrient deficiency globally, has to come from the agricultural sector."

ISMAIL CAKMAK

with micronutrients is a really hot topic today, because up to five per cent of gross domestic production is lost just because of micronutrient deficiency in some countries, that's huge," said Cakmak, adding child mortality is also strongly linked to hidden hunger.

However, while wheat responded exceptionally well to foliar zinc and iodine applications, rice only saw zinc levels increase by about 20 per cent and corn saw no substantial improvement.

What most interests Cakmak is not just that foliar zinc applications increase zinc in wheat, but that it specifically increases zinc levels in wheat endosperm — the most widely consumed portion of the grain.

"When you spray zinc after flowering time... there is a fantastic, very nice increase. You can get the zinc in the endosperm part up to 50 ppm. This is a very good increase, very nice in terms of human health," he said, noting that humans require zinc to process more than 3,000 different types of protein.

"In the end, agriculture will be the solution to this problem," he said. "Medicine and agriculture must work together... but the only real solution for micronutrient deficiency globally, has to come from the agricultural sector."

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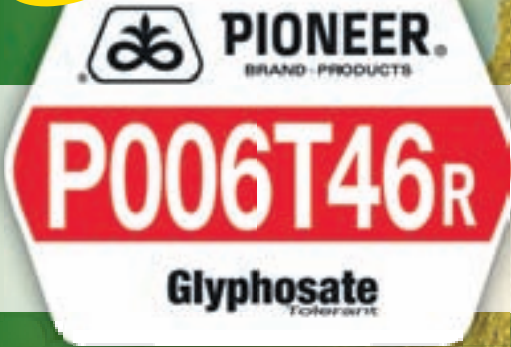
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Consider straight combining canola to better manage harvest

Canola Council of Canada says it’s a good strategy if you have more acres than can be swathed at the ideal time

BY ALLAN DAWSON
Co-operator staff

Straight combining canola can help farmers better manage harvest, but it won’t necessarily result in higher yields.

“Compared to optimal swath timing, straight-cut yields are going to be similar over the long term,” Angela Brackenreed, Canola Council of Canada’s eastern Manitoba agronomy specialist told the Eastman Crop Talk webinar Aug. 4.

“We are certainly leaving a lot of bushels on the table by swathing too early, so if we can use straight cutting to manage that there certainly could be indirect economic benefit for us.”

There are risks and benefits to both straight cutting and swathing canola. But some farmers have more canola than can be swathed at the optimum time, which is 50 to 70 per cent seed colour change on the canola plant’s main stem.

Straight cutting canola can happen when seed moisture content is around 10 per cent. Canola should be stored at eight per cent or less moisture content and cooled to avoid spoiling.

“When we initially put it in the bin it is going to be upwards of 30 C so if you can get it down to 15 as quickly as possible that’s what you want,” Brackenreed said. “But going into winter get it as cool as possible. The cooler it is the less chance of biological activity and moisture migration in the bin.”

Farmers who swath too early lose yield because a higher percentage of seeds is immature. But farmers who wait too long to straight cut risk yield loss due to pods dropping or shattering. Swathed crops can lose pods and shatter too.

“We are certainly leaving a lot of bushels on the table by swathing too early so if we can use straight cutting to manage that there certainly could be indirect economic benefit for us.”

ANGELA BRACKENREED

Companies with shatter-tolerant varieties suggest delaying swathing until 80 to 90 per cent seed colour change on the main stem, Brackenreed said.

“It is important to remember that a seed is considered contributing to seed colour change as soon as there is any amount of brown on it,” she said. “Canola matures from the bottom up to the top and from the inside out.”

When assessing the main stem divide it into thirds and open the pods, Brackenreed said. Seeds in the bottom third should be fully black. Seeds in the middle third should be mottled and the top seeds should be green but firm when rolled between one’s fingers.

“We tend to see about a 10 per cent seed colour change every two to three days,” she said. “That can move a lot quicker if we have hot, dry conditions.”

“In Manitoba from the end of flowering until maturity is somewhere around 25 days.”

Candidate crops

Slightly lodged, thick stands provide a bit more protection



PHOTO: CANOLA COUNCIL OF CANADA

against pod shattering due to wind and feed easier into the combine. Even maturity helps too. Topography influences this, with lower areas sometimes being greener.

“The timing of harvest certainly can be more critical as compared to swathing,” Brackenreed said. “It can delay harvest (as one waits for the crop to dry).”

Later harvest means more weather risk, including frost.

Something else to consider is that even though the canola seed is dry enough to harvest, plant stalks can still be green forcing the combine to travel at very low speed to prevent plugging.

“The best thing I can recommend in this scenario is to cut as high as possible... to try and increase the capacity of the machine and put a little less of

that green material through,” she said.

Harvest aids

Applying a desiccant or another harvest aid isn’t absolutely necessary before straight cutting — but it can help, Brackenreed said.

Reglone is a true desiccant that works via contact, killing the plant at the stage the product was applied.

“It is really important with a product like this to get the timing right,” Brackenreed said. “Eighty to 90 per cent seed colour change is what Syngenta recommends.”

“One thing I would caution is if you do spray Reglone... you want to be sure that you can get into the field within that four- to seven-day window as you can certainly see a lot more pods dropping and

shatter if it is left too long past that time frame,” she said. “You really, really want to make sure that you are not too early with this product as it has the potential to lock in a lot of green seed.”

BASF’s Heat, tank mixed with glyphosate, is another option. This combination is slower than Reglone, but faster than glyphosate alone, Brackenreed said. Apply at 60 to 70 per cent seed colour change.

Glyphosate alone is good for perennial weed control and can help dry green canola stalks, but needs good growing conditions. Apply when the crop is ready to swath. Harvesting can follow seven to 28 days later, depending on weather conditions.

There were anecdotal reports last year of straight-cut canola heating in storage, Brackenreed said.

“We don’t know if there is anything to this or not, but I heard it enough times that I think it is probably worth mentioning,” she said.

“Obviously with straight cutting canola there is that potential for higher-moisture dockage material, particularly if you’re not using a pre-harvest aid. Green weeds, pod material, stem pieces going into the bin can create volatility.”

Sometimes straight-cut canola is harvested later in the fall, when temperatures are cooler, making air-drying in the bin less efficient.

Researchers are also unsure about where there could be differences between transpiration rates in swathed and straight-cut canola.

“Until we really have a good handle on this it is probably important to be particularly cautious with a straight-cut canola and maybe monitor it a bit more closely,” Brackenreed said. “Most of our storage issues occur from non-uniform temperatures and moisture throughout the bin.”

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Low levels of fusarium head blight are being observed in some crops

Manitoba Agriculture cereals specialist Pam de Rocquigny has some management tips

BY ALLAN DAWSON
Co-operator staff

Fusarium head blight (FHB) symptoms were appearing in unprotected winter wheat and spring cereal variety trials in late July, but at low levels.

“Typically the symptoms start to appear anywhere from 14 to 21 days after infection,” Manitoba Agriculture cereals specialist Pam de Rocquigny said during the Westman CropTalk webinar July 27.

“For the most part it has been at low levels, which is good news, keeping in mind that the trials are not sprayed with a fungicide. We are measuring the genetic potential of the varieties in the MCVET (Manitoba Crop Variety Evaluation Trials) trials.

“Hopefully that translates into commercial fields where fungicides may have been applied and levels remain low as well. We are not typically seeing full heads impacted at this point. Usually it has just been part of a head or a spikelet or two. It has been at really low-incidence levels to date.”

FHB is a fungal disease that can cut cereal yields and quality. If a field is infected farmers hope it occurs early so by harvest, damaged kernels are lighter and can be blown out the back of the combine with the chaff by boosting fan speeds. Ontario research has shown this technique is effective, de Rocquigny said. While it means more potential for future infections, FHB is so ubiquitous in Manitoba it probably doesn’t matter, she said.

“The other option is to reduce your combine speed,” de Rocquigny said. “Hopefully that will allow for separation to happen... to separate the good kernels from those light-weight infected kernels.”

FHB-infected wheat heads often stand out because of their distinctive white colour. Upon closer inspection sometimes pink- to orange-coloured mycelium can be seen on infected kernels. But not every white head is necessarily caused by FHB, de Rocquigny said. Wheat stem maggots can cause a similar appearance. Root rot can too.

“There have been lots of areas of the province where we have seen excessive moisture conditions that could potentially lead to increased root rot,” she said. “Infected plants will generally pull free from the soil without too much resistance.

“It could be other environmental stresses. Hot winds can result in these type of things as well.”

Typically winter wheat is the most susceptible to FHB, although because it flowers earlier than spring wheat, it

“Typically the (FHB) symptoms start to appear anywhere from 14 to 21 days after infection.”

PAM DE ROCQUIGNY

sometimes avoids the disease which infects crops at flowering.

Canada Prairie Spring and Canada Western Red Spring are the next most susceptible wheats. However, it varies between varieties. Emerson winter wheat and AAC Tenacious VB, a CPS wheat with midge tolerance, are both rated as resistant to FHB. However, de Rocquigny stressed an “R” rating for FHB doesn’t mean the variety is immune.

“You tend to see some symptoms in a high-disease-pressure year even when varieties have an “R” rating,” she said.

“Breeders are making advancements for sure.”

FHB can also infect barley and oats. Low levels of FHB are visible in unprotected MCVET oat trials, de Rocquigny said.

For any plant disease to exist, the pathogen must be present, have a host and the right growing conditions. FHB



PHOTO: MANITOBA AGRICULTURE

inoculum is widespread in Manitoba and there are lots of cereals for it to attack.

“The environment is really the big card in terms of determining what levels of disease that we will see in any given year,” she said. “Mother Nature kind of has the final

say in many of the things that we do as farmers farming in Manitoba.”

FHB does well when temperatures are warm, but not scorching hot, with high relative humidity.

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CROP REPORT

Winter cereals harvest underway, spring crops maturing rapidly throughout province

Manitoba Agriculture Crop Report issued August 8, 2016

Southwest Region

Rainfall at the beginning of last week brought large isolated rain and wind events to several areas, including Russell, Shoal Lake, Oakburn and Erickson. Precipitation amounts varied from 10 to 75 mm. There was also a large system that went through east of Wayans in the Glenbrook area. Reports of high winds and rainfall amounts of 70 to 80 mm. Warm, drier weather during the week helped producers with haying and harvest preparation.

Winter wheat and fall rye harvest started with reports of an average yield and good quality, but some ergot in fall rye. Cereal crops continue to progress and some of the early-seeded crops are being cut or a pre-harvest is being applied. Fusarium head blight is visible in most wheat crops but impact is unknown. Canola is in the pod-fill stage. Sclerotinia is visible in several fields. Flax is done flowering and is filling. Peas are in the early stage of harvest with most having a pre-harvest product applied. Sunflowers are flowering and have progressed well. Corn is looking extremely good in the area. Soybeans continue to flower and are in the R3 to R5 stage.

Last week enabled several producers to catch up with haying.

Northwest Region

There was hot weather over the week, along with varied rainfall amounts. Precipitation ranged from traces in The Pas and 15 to 40 mm in Swan River. There was excess rainfall over a very short period. Areas around Fork River, Winnipegosis and Rorketon received upwards of 125 to 175 mm, and north of Roblin upwards of 100 mm.

Soil moisture conditions are variable, ranging from adequate in most areas to excessive. Some crops are showing the effects of excessive moisture with yellowing and crop loss in low-lying areas. In general, most field crops continue to advance nicely and are in relatively good condition.

Fall rye and winter wheat crops are maturing and win-

ter cereal harvesting is underway in the Dauphin and Roblin areas. The perennial ryegrass harvest is also underway. Some barley is harvested in the Ste. Rose area. Spring wheat is maturing quickly with the heat; some areas have potential for high-protein wheat. Canola continues to develop rapidly with most canola fields podding. Field peas are also advancing quickly with most fields podded and reports of some fields being desiccated in the Swan River area.

Low levels of aster yellows are reported in canola in the Swan Valley. Some oat blast in the Roblin area has been reported and fusarium head blight is present in wheat. As well, humidity is causing some white mould and powdery mildew in peas, and sclerotinia in canola where fungicide was not applied.

Producers are still trying to complete first cut of hay but frequent rains are delaying operations. Second-cut harvest will continue once the weather clears.

Central Region

Warm temperatures through the week in the Central Region allowed for continued rapid crop growth. Unsettled weather resulted in all parts of the region receiving some rain, ranging from 15 to 50 mm and more. A major storm system blew through the region on Wednesday, with the most significant impact in the Morden, Winkler, Roland and Baldur areas. A tornado was reported in the Baldur area. Wind speeds reached 111 km/hour. Substantial damage was sustained; many trees are down and there is damage to homes, barns, sheds and bins. Crops, including sunflowers, were flattened.

High humidity continues to limit drying conditions, increasing potential for disease in crops, and interfering with haying operations. Standing water is still a concern. Yellowing and crop thinning due to excess moisture is evident. Field access

continues to be an issue, and field activity is limited by poor conditions. Road access is also a concern in places where rapid run-off damaged roads.

Fall rye and winter wheat harvest continues, although delayed by the rains. Crops are in good to excellent condition, although water damage is evident. Field access is an issue, with ruts being made during harvest operations. Some fusarium head blight is noticeable. Yields range from 65 to over 100 bu./acre in winter wheat to date, with good quality. Preliminary protein levels range from 11 to 11.5 per cent. Early rye yield reports are of 75 to 90 bu./acre.

Cereals continue to advance and early-seeded crops have matured. Pre-harvest applications continue. Lodging continues to be an issue, a result of high winds and thunderstorm activity. Fusarium head blight is noticeable in fields but at relatively low levels. Some spring wheat and barley are combined. Some oat fields are swathed. The later-seeded canola is growing rapidly and flowering is almost complete. Early-seeded canola is fully podded with seed colour change in lower pods. Swathing has started in the earliest fields. Lodging is evident, due to high winds and soft field conditions. Sclerotinia infections are becoming more evident, resulting in premature ripening.

Many pea fields have dried down. Stands look good where excess moisture is not an issue. Boll formation is complete in most flax fields and colour change is evident. Some perennial ryegrass has been cut.

Corn is growing rapidly. Soybeans continue to flower and pod. Many fields range from R4 to R5.5. Iron deficiency chlorosis is still noticeable in a number of fields, although recovery has been seen when fields dry. Bacterial blight is evident in many fields. Flowering in edible beans is mostly complete. Fields are stressed due to excessive rainfall. There are reports of white mould showing up in fields where canopy is dense.

Sunflowers are flowering and in the R4 to R5.5 stage. Fields are being monitored for head insects.

Eastern Region

The weather last week was highly variable, ranging from sunny and reasonably warm but then transitioning quickly to cloud and showers or intense thunderstorms. Rainfall accumulation across the region varied from as little as six mm to more than 50 mm. Overnight Wednesday and Thursday of last week were marked with intense thunderstorms including lightning and high winds. Areas that received lesser amounts of rain made some progress with fields drying up and getting access to fields for pre-harvest spray applications and winter cereal harvesting. Crop development in warm-season crops continued to accelerate in these conditions.

Winter cereals in the Eastern Region are mature with harvesting as much as 75 per cent done in some districts. Yields are in the 50 to over 80 bu./acre range. Spring cereals are at hard dough to physiologically mature and pre-harvest applications are as much as 65 per cent done in some areas. Canola ranges from late pod filling to physiologically mature with swathing or pre-harvest applications started. Field peas range from late pod filling to physiologically mature with pre-harvest applications started. The soybean crop is mostly at the R5 (seed development/pod filling) growth stage. Sunflowers are in early- to mid-flowering stages (R5).

Across the region, 60 per cent of hay land is rated in good to fair condition with the remaining rated as poor to very poor. First-cut haying progress is noted as 15 per cent baled or silaged with an additional 10 per cent cut and the remainder of the crop still standing. Second-cut haying progress is 40 per cent baled or silaged with 10 per cent cut and the remainder of the crop still standing. Quality is noted as mostly good with first-cut alfalfa hay yielding two tons/

acre and first-cut grass/alfalfa hay yielding 1.75 tons/acre. Second-cut alfalfa hay was yielding 1.5 tons/acre.

Interlake Region

Last week saw warm temperatures and scattered showers. Rainfall amounts varied in the region from five to 15 mm. There was the exception in the Ashern area where rainfall amounts varied from 40 to 80 mm on Thursday.

Harvest has begun in the Interlake Region with progress estimated to be less than five per cent complete. In the South Interlake, producers have been harvesting and some have completed winter wheat. Reports of yields averaging 60 to 70 bu./acre with trace amounts of fusarium-damaged kernels. Forage grass seed fields are being harvested with average yields. Producers also started field peas with yields in the mid-40 to 50 bu./acre range. Spring cereals continue to be swathed or have a pre-harvest herbicide applied as the crops reach maturity. The later-seeded spring wheat fields are entering the milk stage. Swathing of canola fields has started while the later-seeded fields continue to flower. Soybeans continue to flower/pod and are looking good. With the moisture and heat, corn is rapidly developing. Sunflowers are flowering. Alfalfa seed fields were impacted by the recent rainfall where crop lodging is noted. Leafcutter bees continue pollination and fill bee blocks. Majority of all timothy fields is swathed and has started to get harvested.

Spray applications in canola for lygus bugs are being reported. Insect pressure is low at this time. Alfalfa seed fields continue to be monitored for weevil and lygus bug pressure.

Haying progress is stalled by rains and high humidity. Ensiling has been a good alternative this year. Second growth of alfalfa is quite good and has been minimally affected by alfalfa weevil larvae damage. Some native and grass hay is too wet to travel on as low-lying areas are flooded.



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- Ask about our Priority Placement.
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- **Spot color: 25% of ad cost, with a minimum charge of \$15.00.**
- Advertising rates are flat with no discount for frequency of insertion or volume of space used.
- Telephone orders accepted
- Price quoted does not include GST.

All classified ads are non-commissionable.

CARS 1400

2015 SUBARU WRX, 2.0L H-4 cyl, 30,963 kms, stk#U02102. Call for our best price! Call 1-877-373-2662, DL #914077, or www.subaruofsaskatoon.ca

CHECK OUT OUR parts specials at www.Maximinc.Com/parts or call Maxim Truck & Trailer, 1-888-986-2946.

2012 SUBARU LEGACY 2.5i Ltd. AWD, 2.5L H-4 cyl., 61,869 kms, stk# SK-5357A. Call for price! 1-877-373-2662 or www.subaruofsaskatoon.ca DL #914077.

TRAILERS

GRAIN TRAILERS 1505



NORMS SANDBLASTING & PAINT, 40 years body and paint experience. We do metal and fiberglass repairs and integral to daycab conversions. Sandblasting and paint to trailers, trucks and heavy equip. Endura primers and topcoats. A one stop shop. Norm 306-272-4407, Foam Lake SK.

REMOTE CONTROL TRAILER CHUTE OPENERS can save you time, energy and keep you safe this seeding season. FM remote controls provide maximum range and instant response while high torque drives operate the toughest of chutes. Easy installation. **Kramble Industries**, call 306-933-2655, Saskatoon, SK, or visit us online at: www.kramble.net

PRAIRIE SANDBLASTING & PAINTING. Trailer overhauls and repairs, alum. slopes and trailer repairs, tarps, insurance claims, and trailer sales. Epoxy paint. Agriculture and commercial. Satisfaction guaranteed. 306-744-7930, Saltcoats, SK.



2009 TIMPTE AG HOPPER, 40' long, 96" wide, 78" high, air ride, alum. wheels, good brakes, \$27,500. Sanford, MB. 204-736-4854 or 204-226-7289.

NEW WILSON AND Castletons: 44' tri-dem, 3 hopper and 2 hopper and 36' tandem; 2014 Wilson Super B; 2010 Lode-King alum., with alum buds, lift axles, M-cheals chute openers; 2005 Lode-King Super B; 2004 Doepler tandem; New Michel's hopper augers and chute openers. Ron Brown Imp. 306-493-9393 www.rbisk.ca DL #905231

ALL ALUMINUM TANDEMs, tridems and Super B Timples grain trailers. Call Maxim Truck & Trailer, 1-888-986-2946 or see www.Maximinc.Com

1996 MIDLAND 24' tandem pup, stiff pole, completely rebuilt, new paint and brakes, like new, \$18,500. Merv 306-276-7518, 306-767-2616, leave message, Arborfield, SK. DL #906768.

CHECK OUT OUR inventory of quality used highway tractors. For more details call 204-685-2222 or view information at www.titantrucksales.com

LIVESTOCK TRAILERS 1510

FEATHERLITE 2 HORSE TRAILER w/living quarters, \$26,000. Call 306-325-1212, Preeceville, SK.

REAL IND. GOOSENECK 7x20 cattle trailer, \$5000 OBO. 306-232-3442 or 306-232-5688, Rosthern, SK.

ALL ALUMINUM TANDEMs, tridems and Super B Timples grain trailers. Call Maxim Truck & Trailer, 1-888-986-2946 or see www.Maximinc.Com

SANDBLASTING AND PAINTING. We do welding, patching, repairs, re-wiring of trucks, trailers, heavy equipment, etc. We use Epoxy primers and Endura topcoats. Competitive rates. Contact Agrimex at 306-331-7443, Dysart, SK.

MISC. TRAILERS 1515

BELLY DUMP GRAVEL TRAILER, tandem axle, load close w/air, Sask. safetied, \$15,000. 306-940-6835, Prince Albert, SK.

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

53' AND 48' tri-dem, tandem stepdecks, w/wo sprayer cradles; 53', 48' and 28' tri-dem, tandem highboys, all steel and combos. **Super B Highboys**, will split; Tandem and S/A converter w/drop hitch; 53'-28' van trailers. Ron Brown Imp. 306-493-9393, Delisle, SK. DL #905231. www.rbisk.ca

TRI-AXLE DETACHABLE double door, Eager Beaver hyd., 28' working deck, real nice, \$29,000. 306-563-8765, Canora, SK.

PRECISION TRAILERS: Gooseneck and bumper hitch. You've seen the rest, now own the best. Hoftart Services, Odessa, SK. 306-957-2033 www.precisiontrailer.com

HAUSER GOOSENECK TRAILERS: Featuring 2 trailers in 1, use as HD gooseneck trailer and/or round bale transporter. Mechanical side self-unloading. LED lighting. Ramps optional. Hauser's Machinery, Melville, SK. 1-888-939-4444. www.hausers.ca

REBUILT 1990 DOEPKER 32x32 hay trailers, air ride w/lift axles, Beacons, wide load lites, totally refurbished, \$31,500. Can deliver. 204-729-7297, Brandon, MB.

TOPGUN TRAILER SALES "For those who demand the best." **PRECISION AND AGASSIZ TRAILERS** (flatdecks, end dumps, enclosed cargo). 1-855-255-0199, Moose Jaw, SK. www.topguntrailersales.ca

14' TANDEM UTILITY flat deck w/ramps, 12,000 lbs. GVW, new safety, \$4250 OBO. 204-794-5979, Springfield, MB.

CHECK OUT OUR parts specials at: www.Maximinc.Com/parts or call Maxim Truck & Trailer toll free 1-888-986-2946.

100 MISC. SEMI TRAILER FLATDECKS, \$2,500 to \$30,000. 7 heavy tri-axle low beds and 8 16-wheelers, \$18,800 to \$70,000. 306-222-2413, Saskatoon, SK. www.trailerlady.ca

CHECK OUT OUR inventory of quality used highway tractors. For more details call 204-685-2222 or view information at www.titantrucksales.com

MISC. TRAILERS 1515



CASTLETON TRI-AXLE BELLY DUMP, with minimal use, original tires. Ready for work, asphalt, etc., \$44,900. Call 403-575-1146, Veteran, AB. ltlgem@netago.ca



2016 BIG TEX trailer goosenecks 30' and 33' with mega ramps, 23,900 lbs. GVWR. Sale price, \$13,295, incl. free spare. Now serving Kindersley and area. Call Jason's Agri-Motive, Lafleche, SK., 306-472-3159.



CM TRUCK BEDS. Starting at \$2895. Call Jason's Agri-Motive, 306-472-3159 or visit us at www.jasonsagri-motive.ca

24' GOOSENECK 3-8,000 lb. axles, \$7890; Bumper pull tandem lowboys: 18', 14,000 lbs., \$4450; 16', 10,000 lbs., \$3390; 16', 7000 lbs., \$2975. Factory direct. 888-792-6283. www.monarchtrailers.com

TRUCKS

NEWEST TO OLDEST 1595

www.titantrucksales.com to view info or call: 204-685-2222, to check out our inventory of quality used highway tractors!

NEW INTERNATIONAL TERRASTAR 3 ton 4x4 at www.Maximinc.Com or call Maxim Truck & Trailer, 1-888-986-2946.

2012 CHEV LT, extended cab, 4x4, grey w/black cloth interior, PS, PB, keyless entry, power drivers seat, 73,000 kms. Call 306-365-7777, Lanigan, SK.

2004 GMC 1/2 ton, ext. cab, AC recently serviced, 99,260 kms, newer shock absorbers, \$5500. 306-382-2779, Saskatoon.

1975 CHEVY C60 GRAIN truck, 350 eng., good steel B&H and roll tarp, 32,000 orig. miles, very little rust, plumbed for drill fill, will safety, asking \$8500. 204-825-2799 or 204-825-8340, Pilot Mound, MB.

FOUR WHEEL DRIVE 1620

2014 RAM 1500 Eco dsl., Crew, Outdoorsman, 6.5 box, 19,000 kms, \$38,995, PST paid; 2013 Ram 2500 Laramie, Crew, 98,000 kms, \$43,900; 2008 Ram 2500 Laramie, Quad, \$21,500; 2012 Ram 4500, C&C, dsl., \$36,999; 2012 GMC Duramax C&C, \$28,900; 2011 Ram 3500, C&C, dsl., \$27,900. Call 1-800-667-4414, Wynyard, SK. www.thoens.com DL #909250.

NEW INTERNATIONAL TERRASTAR 3 ton 4x4 at www.Maximinc.Com or call Maxim Truck & Trailer, 1-888-986-2946.

CHECK OUT OUR inventory of quality used highway tractors. For more details call 204-685-2222 or view information at www.titantrucksales.com

GRAIN TRUCKS 1625

1978 GMC 6500, auto trans, 366, tag, 20' B&H, 47,000 kms, \$16,000. Call 306-625-7939, Kincaid, SK.

REMOTE CONTROL ENDGATE AND hoist systems can save you time, energy and keep you safe this seeding season. Give **Kramble Industries** a call at 306-933-2655, Saskatoon, SK, or visit us online at: www.kramble.net

ALLISON AUTOMATIC TRUCKS: Several trucks with auto. trans. available with C&C or grain or gravel box. Starting at \$19,900. **K&L Equipment**, 306-795-7779, Ituna, SK. ladimer@sasktel.net DL #910885.

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

COMING BEFORE HARVEST: 2006 Kenworth T800, AutoShift, new B&H; 2002 IH 2600 w/B&H; 2005 IH 9200, AutoShift w/B&H; 2009 Mack AutoShift, B&H; 2009 IH ProStar 8600, Cummins eng, AutoShift, B&H. Call Merv at 306-276-7518, 306-767-2616, Arborfield, SK DL #906768

2008 TANDEM, 7600 IH, Cummins, 10 spd., new BHT; 2004 Pete 330 single axle, Cat, Allison auto. w/new 16' BHT. Ron Brown Imp. 306-493-9393, www.rbisk.ca

ATTENTION FARMERS: 15 tandems in stock, automatics and standards. Yorkton, SK., Yellowhead Sales, 306-783-2899.

1977 FORD F600, 15' steel box and hoist and roll-up tarp, low miles, above average cond. Call 306-492-4642, Clavet, SK.

2008 KENWORTH T800 ISX, 485-500 HP Cummins, 18 spd. trans, sunroof, 24.5 tires, alum. wheels, 4-way locks, 14' front axle, 46 rears, 3.91 ratio, new 20' box w/elec. tarp, remote hoist and tailgate, exc. shape, fully dressed, 772,864 kms, \$72,500. Call Merv, Arborfield, SK, 306-767-2616, 306-276-7518 DL #906768



CIM TRUCK BODIES, grain, silage, gravel, decks, service and installation. For factory direct pricing and options, call Humboldt, SK, 306-682-2505 or www.cim-ltd.ca

ALL ALUMINUM TANDEMs, tridems and Super B Timples grain trailers. Call Maxim Truck & Trailer, 1-888-986-2946 or see www.Maximinc.Com

GRAIN TRUCKS 1625

2005 IHC GRAIN TRUCK, 20' B&H, AutoShift, excellent condition, \$56,000. Call 306-567-8614, Davidson, SK.

2007 IH 9400, with Cummins 435 HP 10 spd. AutoShift, 20' box, alum. wheels and tanks, exc. cond., certified, \$67,500; **2006 Peterbilt**, 475 HP Detroit 18 spd., A/T/C, alum. wheels, tanks, chrome bumper, like new tires, new paint, 20' B&H&T, exc. shape, show truck, \$69,500; **2007 Mack**, 460 Mack eng., 12 spd. auto. trans., 3-way lockers, alum. wheels, good tires, 20' B&H&T, rear controls, pintle plate, \$69,500; **1990 Kenworth** T600, 450 HP Detroit, 10 spd., alum. front wheels, good tires, pulls good w/1996 36' Cancade 2 hopper grain trailer- nice shape, \$35,000. Trades accepted. Call Merv at 306-276-7518, 306-767-2616, Arborfield, SK. DL #906768

1982 CHEV C70, 366, 92,577 kms, 5&2, roll tarp, good cond., \$12,900. Call 306-862-7524, 306-862-7761, Nipawin, SK. agriquip.ca

1994 MACK GRAIN TRUCK with a double piston Cancade hoist and 20' grain box, single axle, 5 speed, 230,000 kms. Easy to drive and great on fuel, \$21,000 OBO. Call 306-291-0441, Roblin, MB.

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1986 FORD 800, 16' B&H, 429, 45,000 kms, acceptational conditional, \$16,500. 306-738-2173, Riceton, SK.

GRAVEL TRUCKS 1626

2013 MACK CHU613 Pinnacle, 505 HP 18 spd., 14 front, 46 rears, 222" WB, alum. wheels, 15' Renn box plumbed for pup, 174,000 kms, 11.24 rubber, \$115,000. Call 306-731-7266, Strasbourg, SK.

TANDEM AXLE GRAVEL trucks in inventory. New and used, large inventory across Western Canada at www.Maximinc.Com or call Maxim Truck & Trailer 1-888-986-2946

1989 GMC TANDEM automatic, 15' B&H, Cummins, very clean, rust free, \$19,900; 2001 Sterling, Allison auto., 300 HP Cat, 14' gravel box, good condition, \$29,900; **K&L Equipment**, 306-795-7779, Ituna, SK., ladimer@sasktel.net DL #10885.

2002 KENWORTH T300, brand new B&H&T, near new tires, 248,000 kms., 300 Cummins, \$55,000. Call 204-243-2453, 204-871-4509, High Bluff, MB.

SEMI TRUCKS 1627

2013 VOLVO 630, 12.5 fronts, 46 rears, 4-way lockers, 12 spd. 1-shift, Platinum warranty to Nov/17, 330,000 kms, wet kit, \$92,000 OBO. 306-287-7707, Quill Lake SK

CHECK OUT OUR inventory of quality used highway tractors. For more details call 204-685-2222 or view information at www.titantrucksales.com

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

2011 MANAC 53' FLAT step deck, good condition, low miles, w/3 bunks, 12 winches sliding on left side, \$26,500 OBO. 306-641-0071, Yorkton, SK.

SLEEPERS AND DAYCABS. New and used. Huge inventory across Western Canada at www.Maximinc.Com or call Maxim Truck & Trailer, 1-888-986-2946.

T800 KENWORTH'S ALL HEAVY SPECS 18 spd., full lockers, 2008, 2007 w/bunks. Also daycab 2009, new trans. and clutch; 2007 379 Pete daycab and bunk; 2013 IH 5900i, 42" bunk, 46 diff, 4-way lock, 18 spd., 390,000 kms; 2006 378 Pete, Cat 18 spd., 46 diff, 4-way locks w/roo-bar bumper; 2007 IH 9200 daycab, ISX 435, 13 spd; 2006 IH 9200, 475 Cummins, 18 spd., 46 diff; 2004 IH 8600, S/A, daycab, Cat C10, 10 spd.; 2001 Freightliner Coronado, 515 Detroit, 18 spd., lockers; 1996 T800 KW, 475 Cat, 13 spd. Ron Brown Implements, Delisle, SK. 306-493-9393 www.rbisk.ca DL #905231.

2009 KENWORTH W900, 525 Cummins, 18 spd., 46 rears, very good tires 550,000 kms., Call 204-243-2453 or 204-871-4509, High Bluff, MB.

1984 FORD LTL 9000 tandem, Cat 400, strong eng, 13 spd., HD rrs, 55 wheel, wet kit, ideal 2nd farm truck for hauling \$8000. 306-690-9407 after 5 PM, Riverhurst, SK.



2005 PETERBILT 379 SH, MB Safety, ISX Cummins 450 HP 13 spd., 40,000 lb rears, 3.55 ratio, 800,000 kms, new rad/water pump/exhaust, list goes on, recent oil change, air filters, \$37,000 OBO. Not used in a while, needs to go. Call 306-452-7026, Bellegarde, SK.

1979 IH CARGOSTAR 1950B w/15' van, DT 466 eng, only 34,000 kms, \$7900; 2- Mack cabovers w/15' and 19' boxes, full tandem, diesel, take choice at \$6900 ea; IH S1900 truck w/snowplow, B&H, dsl., single axle, \$6900; Ford 8000 diesel, tandem, w/box, \$3900; IH deck truck, Crewcab, DT 466 diesel, full tandem, 8-1/2'x16-1/2' deck, large Fassi crane, rear hyd. winch, only \$8900; Ford 8000 tandem w/near new 140 Hiab crane, call for price; 2- 100' ladder truck fire engines; 4- large 2 WD and 4 WD trucks w/snow ploughs and wings. Many other snowblowers and blades. 2 yards, over 50 acres of new and used parts, equipment and attachments. Call Cambrian Equip. Sales Ltd., 204-667-2867, fax 204-667-2932, Winnipeg, MB.

BAILIFF REPOSSESSION ON-LINE AUCTION: 2012 Freightliner Coronado, engine warranty; 2011 KW T660, new safety; 2008 Pete Daycab; 2008 Pete 387, new safety; 2011 Case 650L dozer, 700 hours. Contact bailiffservices@sasktel.net for bidding instructions.

SPECIALIZED TRUCKS 1680

CHECK OUT OUR inventory of quality used highway tractors. For more details call 204-685-2222 or view information at www.titantrucksales.com

SPECIALIZED TRUCKS 1680



2014 F550 FORD, w/Maxon, 1650 lbs., 144"x90" deck with lift/gate, 6550 miles, mint cond., \$58,000 OBO. Call 204-981-3636, Cartier, MB.

FUEL TRUCK: 1996 T450 Kenworth, 3600 gal., dual pumps and meters; 2009 IH tandem 7600, ISX, 10 spd., 24' van w/power tailgate. Call 306-493-9393, Delisle, SK.

TANDEM AXLE GRAVEL trucks in inventory. New and used, large inventory across Western Canada at www.Maximinc.Com or call Maxim Truck & Trailer 1-888-986-2946

1999 IH 4700, SA, flatdeck w/17' steel flatdeck, 11x22.5 tires, 230,000 kms, 444 IH dsl., 10 spd., safetied, real good shape, \$19,500. **1994 GMC Topkick** tandem with 24' flatdeck, 563,000 kms, 3116 Cat diesel, 10 spd., 11x22.5 tires, real good shape, \$21,500. Call Merv at 306-276-7518, 306-767-2616, Arborfield, SK. DL #906768.

2004 FREIGHTLINER CONDOR, very low miles, C&C, long WB, C10 Cat, Allison auto, complete hyd. system, includes hyd. side arm lift, suitable for conversion to a bale hauler, \$19,900. **K&L Equip.**, Ladimer, 306-795-7779, Ituna, SK. DL #910885.

SPORT UTILITIES 1682

2011 FORD ESCAPE, silver, price reduced \$9999. Call 1-800-667-4414, Wynyard, SK. www.thoens.com DL #909250.

2012 SUBARU TRIBECA Ltd. H-6 7 pass. AWD, 59,725 kms, stk# SK-3144A. Call for our best price! 1-877-373-2662 or www.subaruofsaskatoon.ca DL #914077.

DECKS, DRY VANS, reefers and storage trailers at: www.Maximinc.Com or call Maxim Truck & Trailer, 1-888-986-2946.

2010 SUBARU FORESTER 2.5L h-4 cyl., 64,262, stk#SK-U01890. Call for our best price! Call 1-877-373-2662, DL #914077, or www.subaruofsaskatoon.ca

2008 SUBARU OUTBACK Ltd., Turbo, AC, leather, 55,000 kms, stk#SK-U0901. Call for our best price! 1-877-373-2662 or www.subaruofsaskatoon.ca DL #914077.

VARIOUS 1685

SLEEPERS AND DAYCABS. New and used. Huge inventory across Western Canada at www.Maximinc.Com or call Maxim Truck & Trailer, 1-888-986-2946.

1995 S800, 5.9 Cummins dsl, 6 spd., AC, 20' deck available, \$5500; 1978 IH Lode Star 1800 w/bulk fuel tank, \$2500. Austin, MB. Call 204-871-2708 or 204-685-2124.

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VANS 1700

DECKS, DRY VANS, reefers and storage trailers at: www.Maximinc.Com or call Maxim Truck & Trailer, 1-888-986-2946.

Call our toll-free number to take advantage of our Prepayment Bonus. Prepay for 3 weeks and we'll run your ad 2 more weeks for free. That's 5 weeks for the price of 3. Call 1-800-782

CONSTRUCTION EQUIP.
3600

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

JD 544B LOADER, \$14,500; Bobcat 943 skidsteer, \$14,900; NH LX865 skidsteer, \$12,900; Midland 8.5 yd. scraper, \$8500; Soil Mover 7 yd. scraper, \$7000; Ashland 6 yd. scraper, \$5000. Call 1-866-938-8537.

W20C CASE, 1983 payloader, 6600 hrs., grapple fork, 2200 hrs. on motor and trans., tires- 95%, always shedded, vg, \$32,000. 306-648-7766, Gravelbourg, SK.



2002 KOMATSU WA380-3L WHEEL loader, low hrs., 4 yd. bucket, tires 23.5x25- 90%, exc. cond. Call 306-921-7583, Melfort, SK.

SEC STONE OR STUMP rake, to fit on Track Hoe, hardly used. For more information call 306-620-2218, Ituna, SK.

HYDRAULIC SCRAPERS: LEVER 60, 70, 80, and 435, 4 to 30 yd. available. Rebuilt for years of trouble-free service. Lever Holdings Inc. 306-682-3332 Muenster, SK.

SKIDSTEERS FOR SALE/RENT: CAT 242D, 259D, 289D, Bobcat S590, S570. Conquest Equipment, 306-483-2500, Oxbow, SK.

ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca 2005 Wabash trailer, TA 53' twin, cooler reefer van.



1992 CHAMPION GRADER, 740 Series III w/snow-wing, 14,000 hrs., 16R24TG Bridgestone tires, all around good cond., \$42,000. 204-981-3636, Cartier, MB.

ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca 2000 Komatsu PC250LC excavator, needs engine.

SKIDSTEERS: 2008 CASE 440 Ct series, \$34,500 OBO; 2008 Case 440, series 3, \$29,500 OBO; 2006 Case 440, \$26,500 OBO; 2007 Case 420, \$24,500 OBO. 204-794-5979, Springfield, MB.

ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca 2000 Komatsu PC250LC excavator, needs engine.

SKIDSTEERS: 2007 JD 325 high flow, CAH, 2700 hrs., \$24,500; 2008 Case 465 Series 111, CAH, \$24,500. 306-961-8070.

ATTACHMENTS: Skidsteer buckets, pallet forks, augers, brooms, blades. Conquest Equipment, 306-483-2500, Oxbow, SK.

D7-17A ANGLE DOZER BLADE, very good condition, price on request. Call 306-342-4968, Glaslyn, SK.

ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca 1992 Western Star heavy truck, 15' gravel B&H.



HYDRAULIC PULL SCRAPERS 10 to 25 yds., exc. cond.; Loader and scraper tires, custom conversions available. Looking for Cat cable scrapers. Quick Drain Sales Ltd., 306-231-7318, 306-682-4520 Muenster SK

2005 D6R LGP w/winch, dozer w/tilt, cab and canopy, 8800 hrs., new Cat UC, very clean, \$115,000. **2006 CAT D6R LGP** Series III crawler tractor, w/cargo winch, 6-way dozer, \$110,000. **2004 CAT D6N LGP** crawler, 6-way dozer, AC, canopy, diff steer, cargo winch, new UC, 10,800 hrs, \$90,000. **1999 CAT D6R LGP** crawler, 6540 hrs, w/dozer, tilt, AC, canopy, new UC, \$70,000. **2007 KOMATSU PC200 LC-8** hyd. excavator w/QA cleanup bucket, 9'6" stick, aux. hyds., 12,582 hrs, \$55,000. **To Fit 320 KOMATSU loader:** loader forks, \$2,800; pallet forks, \$3,400; 104" 3-1/2 yard tooth bucket, \$5,000. **6- 64" excavator cleanup buckets,** \$4,000-\$5,000 each. **58" wrist swivel bucket,** like new, \$8,500. **62" cleanup bucket,** \$4,000. **48" frost ripper,** \$2,500. New hyd. thumb and cylinder, \$4,000. 204-871-0925, MacGregor, MB.

NORDBERG 42" JAW crusher conveyor, \$150,000. Pro Ag Sales, 306-441-2030 anytime, North Battleford, SK.



EXTREME DUTY BRUSHCUTTER (Made in Canada) made with 1/4" steel, 66" cut Omni HD gearbox and Parker hyd. motor. Cuts up to 4" trees. Has two 1/2"x3"x24" blades on a stump jumper, c/w hyd. hoses and flat face couplers. Std. flow operation, open rear discharge prevents under deck build up, fits most skidsteers, \$4995. 72" & 80" also in stock. Agrimex, 306-331-7443, Dysart, SK.

ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca CAT 140G motor grader, front dozer & sno-wing.

CONSTRUCTION EQUIP.
3600



EXCAVATOR ATTACHMENTS IN STOCK. WBM/CAT/CWS. Western Heavy Equipment, 306-981-3475, Prince Albert, SK.

1996 CAT IT28, Cat loader, \$38,000. Call Can-Am Truck Export Ltd 1-800-938-3323, Delisle, SK.

SKIDSTEER ATTACHMENTS: Buckets, rock buckets, grapples, weld-on plates and much more, large stock. Top quality equipment. Call Quality Welding and Sales 306-731-3009, 306-731-8195, Craven, SK.

5 YARD PULL SCRAPER, good condition, new blade, fresh paint, \$5000. Call 306-335-2777, Lemberg, SK.

ATTACHMENTS PARTS COMPONENTS for construction equipment. Attachments for dozers, excavators and wheel loaders. Used, Re-built, Surplus, and New equipment parts and major components. Call Western Heavy Equipment 306-981-3475, Prince Albert, SK.

ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca 2005 Wabash trailer, TA 53' twin, cooler reefer van.

CAT HYDRAULIC PULL SCRAPERS: 463, 435, 80 and 70, all very good cond., new blade, fresh paint, \$5000. Call 306-335-2777, Lemberg, SK.

DIESEL ENGINES
3700

WANTED DIESEL CORES: ISX and N14 Cummins, C15 Cats, Detroit's Ddec 3, 4, DD15. Can-Am Truck 1-800-938-3323.

GREAT PRICES ON new, used and remanufactured engines, parts and accessories for diesel pickups. Large inventory, engines can be shipped or installed. Give us a call or check: www.thickettengineerebuilding.ca Thickett Engine Rebuilding. 204-532-2187, Russell, MB.

290 CUMMINS, 350 Detroit, 671 Detroit, Series 60 cores. 306-539-4642, Regina, SK

RUNNING ENGINES: 330 CAT; 3306 Cat power unit c/w rad and skid; 6V71 power unit; Rebuilt, 353 Detroit. Western Diesel, 306-280-4132, Saskatoon, SK.

ELECTRICAL MOTORS
3825

FARM AND INDUSTRIAL ELECTRICAL motor sales, service and parts. Also sale of, and repairs to, all makes and sizes of pumps and phase converters, etc. Tisdale Motor Rewinding 1984 Ltd., 306-873-2881, fax 306-873-4788, 1005A-111th Ave., Tisdale, SK. tmr@sasktel.net Website: www.tismtrrebind.com

FARM BUILDINGS
4000

INSULATED FARM SHOP packages or built on site, for early booking call 1-800-667-4990 or visit our website: www.warmanhomecentre.com

PRE-ENGINEERED STEEL BUILDINGS for all your agricultural, equestrian, industrial, shop or storage needs. Call 306-249-2355 for a free quote. **Montana Construction** www.montanasteelbuilders.ca Saskatoon.

WOOD POST BUILDING packages or built on site. For early booking call 1-800-667-4990 or visit our website: www.warmanhomecentre.com

BEHLEN STEEL BUILDINGS, quonsets, convex and rigid frame straight walls, grain tanks, metal cladding, farm-commercial. Construction and concrete crews. Guaranteed workmanship. Call your Saskatoon and Northwest Behlen Distributor, Janzen Steel Buildings, 306-242-7767, Osler, SK.

GSI FLAT BOTTOM bins. Call Wentworth Ag 1-877-655-9996 and ask about our specials. wentworth@grainequipment.com or www.grainequipment.com

STRAIGHT WALL BUILDING packages or built on site. For early booking call 1-800-667-4990 or visit our website: www.warmanhomecentre.com



SUMMER SPECIAL on all post or stud frame farm buildings. Choose: sliding doors, overhead doors, or bi-fold doors. New-Tech Construction Ltd. Phone: 306-220-2749, Hague, SK.

AFAB INDUSTRIES post frame buildings. For the customer that prefers quality. 1-888-816-AFAB (2322), Rocanville, SK.

STEEL CLADDING SALE: New Grade A 29 gauge white-white metal cladding 3/4" hyd. rib cut to your length for only **.75¢/sq.ft.** All accessories, fasteners and flashings are available. Call Prairie Steel in Clavet, SK., 1-888-398-7150, or email buildings@praiesteeel.com

100'x200'x22' Steel Farm Building. Ready for set-up on your farm today. Foundation specs can be supplied. Includes 26 gauge ext. sheeting and trims, **\$153,900 plus tax.** Add doors and insulation as needed. Other sizes available. 1-888-398-7150 or email buildings@praiesteeel.com

POLE BARNs, WOODSTEEL packages, hog, chicken and dairy barns. Construction and concrete crews available. Mel or Scott, MR Steel Construction, 306-978-0315, Hague, SK.

FOR ALL YOUR STRUCTURAL STEEL roofing and siding needs, big or small. Call Fouillard Steel Supplies, St. Lazare, MB. 1-800-510-3303. Remember nobody sells roofing and siding cheaper!! Nobody.



If you think about it, you're basically a sausage. Fortunately for you, I like sausage

BINS
4003

2- WESTEEL ROSCO 3300 bu. steel bins, not hopped, on concrete pads, ladders and lid openers, good condition. Phone for details. 306-259-4430, Young, SK.

4- 1650 BU Westeel Rosco bins, 2 on wood floors, 2 on concrete; 3300 bu on concrete 306-231-8355, 306-944-4325, Bruno, SK.

MERIDIAN AND WESTEEL fertilizer bins. on sale now. See your nearest Flaman store of call 1-888-435-2626.

2- 1650 WESTEEL ROSCO bins on wooden floors, one floor fair condition, \$850 each. Call Greg at 306-436-4426, Milestone, SK.

USED WESTEEL ROSCO Bins Two 3350's; One 2750. All with new style doors. \$60/bu OBO. 306-648-7766, Gravelbourg.

CUSTOM GRAIN BIN MOVING, all types up to 22' diameter. 10% spring discount. Accurate estimates. Sheldon's Hauling, 306-961-9699, Prince Albert, SK.

GSI TOP DRY bins. Call Wentworth Ag 1-877-655-9996 and ask about our specials or wentworth@grainequipment.com www.grainequipment.com



BN1805RL HOPPER BOTTOM bin pkg. incl. anchors, 24" air and skids, 4900 bu., \$15,995. Call Jason's Agri-Motive, 306-472-3159. www.jasonsagri-motive.ca



PORTABLE GRAIN RINGS made of steel. New 20 gauge wide-corr steel sheets 48"H. Sizes from 3650 bu., \$2072 to \$3,000 bu., \$11,447 including hardware. All sizes in stock. All rings 4'H. Best quality available. Canadian made quality silver cone shaped tarps avail. for all sizes. All tarps in stock. Complete packages include freight to any major point in Western Canada. Overnight delivery to most major points in Western Canada. Willwood Industries toll free 1-866-781-9560, fax 306-781-0108. For all pricing, details, pictures visit our website: www.willwood.ca

BIN SENSE- Protect your livelihood. Check moisture and grain temperature right from your smart phone. Call Flaman 1-888-435-2626.

2015 CIM BIN TRANSPORT TRAILER 17,000 lb. cap., 32' bed accommodates up to 21' dia. bin. For factory direct pricing and options call 306-682-2505, Humboldt, SK. or www.cim-ltd.ca

TALBOT HOT BIN SEALING. We seal bins on wood and concrete floors. Serving SK, AB. and MB. 306-631-0203, Moose Jaw, SK. talbotbinsealing@gmail.com

SUPERIOR BINS: Hopper bottoms from 3300 to 12,000 bu.; 18' 5000 bu. combo at \$11,800. Middle Lake Steel 306-367-4306 or 306-367-2408, Middle Lake, SK.

2015 CIM BIN Cranes (Westeel design), 8000 lb. capacity. For factory direct pricing and options call 306-682-2505, Humboldt, SK. or www.cim-ltd.ca

BOOK NOW, TAKE DELIVERY, DON'T PAY UNTIL NOVEMBER, 2016. Top quality **MERIDIAN** bins. All prices include: skid, ladders to ground, manhole, set-up and delivery within set radius. Meridian Hopper combos: 3500 bushel, \$10,450. **SPECIAL:** 5000 bu., \$13,990. We manufacture superior quality hoppers and steel floors for all makes and sizes. Know what you are investing in. Call and find out why our product quality and price well exceeds the competition. We also stock replacement lids for all makes and models of bins. Leasing available. Hoffman Services Inc., 306-957-2033, Odessa, SK.

LIFETIME LID OPENERS. We are a stocking dealer for Boundary Trail Lifetime Lid Openers, 18" to 39". Rosler Construction 2000 Inc., 306-933-0033, Saskatoon, SK.

TIM'S CUSTOM BIN MOVING and Hauling Inc. Up to 22' diameter. 204-362-7103 binmovers50@gmail.com

BIN MOVING, all sizes up to 19' diameter, w/wo floors; Also move liquid fert. tanks. 306-629-3324, 306-741-9059, Morse, SK.

BROCK (BUTLER) GRAIN BIN PARTS and accessories available at Rosler Construction. 306-933-0033, Saskatoon, SK.

BINS
4003

BINS SPECIAL PRICING on remaining inventory of 10,000 bu. Twister hopper bins. See your nearest Flaman store for more details 1-888-435-2626.

USED WESTEEL WIDE-CORR grain bin, Model 2710, 10 tier, 18,790 bu., external stiffeners, 13 roof vents, \$12,000. Call 306-645-4526, Rocanville, SK.



TEMPORARY GRAIN BINS, selected 3/8" fir plywood with all holes drilled. Wood sizes from 1750 bu., \$431 to 11,700 bu., \$852 including hardware. All sizes in stock. All rings 4' high. Best quality avail. Canadian made quality silver cone shaped tarps available for all sizes. All tarps in stock. Complete packages include freight to any major point in Western Canada. Overnight delivery to most major points in Western Canada. Willwood Industries toll free 1-866-781-9560, fax 306-781-0108. For pricing, details, pics: www.willwood.ca

GSI COMMERCIAL HOPPER bins. Wentworth Ag 1-877-655-9996, ask about our specials wentworth@grainequipment.com www.grainequipment.com

FOR ALL YOUR grain storage, hopper cone and steel floor requirements contact: Kevin's Custom Ag in Nipawin, SK. Toll free: 1-888-304-2837.

HOPPER BOTTOM CONES: We make cones and steel floors for all makes of bins. Call Middle Lake Steel 306-367-4306 or 306-367-2408, Middle Lake, SK. Visit us on-line at: www.middlelakesteel.com

JTL CORRUGATED HOPPER bins. Call Wentworth Ag 1-877-655-9996 ask about our specials. www.grainequipment.com Email: wentworth@grainequipment.com

STORAGE/CONTAINERS
4005

20' AND 40' SHIPPING CONTAINERS, large SK. inventory. Ph. 1-800-843-3984, 306-781-2600.



BEAVER CONTAINER SYSTEMS, new and used sea containers, all sizes. 306-220-1278, Saskatoon and Regina, SK.

JTL SMOOTH WALL hopper bins. Call Wentworth Ag 1-877-655-9996 ask about our specials. www.grainequipment.com Email: wentworth@grainequipment.com

20' TO 53' CONTAINERS. New, used and modified. Available Winnipeg, MB; Regina and Saskatoon, SK. www.g-airservices.ca 306-933-0436.



HORNOI LEASING NEW and used 20' and 40' sea cans for sale or rent. Call 306-757-2828, Regina, SK.

SHIPPING CONTAINERS FOR SALE. 20'-53', delivery/ rental/ storage available. For inventory and prices call: 306-262-2899, Saskatoon, SK. www.thecontainerguy.ca

ENVIRO FUEL TANK, split tank w/cat walk and stairway. Gas capacity 7116L, diesel cap. 28,823L, double wrapped, c/w meters and pumps, \$30,000. 306-672-3516 or 306-672-7502, Gull Lake, SK.

FARM MACHINERY
4103

KEHO/ GRAIN GUARD Aeration Sales and Service. R.J. Electric, Avonlea, SK. Call 306-868-2199 or cell 306-868-7738.

KEHO/ GRAIN GUARD/ OPI STORMAX. For sales and service east central SK. and MB., call Gerald Shymko, Calder, SK., 306-742-4445 or toll free 1-888-674-5346.

GSI AIR SYSTEMS. Call Wentworth Ag 1-877-655-9996 and ask about our specials. wentworth@grainequipment.com or www.grainequipment.com

GSI AERATION DRYERS. Call Wentworth Ag 1-877-655-9996 and ask about our specials. wentworth@grainequipment.com or www.grainequipment.com

CONVEYORS
4106

2011 BATCO 20105 swing w/hydraulic swing and lift, excellent condition, \$33,000 Phone 306-648-3622, Gravelbourg, SK.

BATCO CONVEYORS, new and used, grain augers and SP kits. Delivery and leasing available. 1-866-746-2666.

BUILD YOUR OWN conveyors, 6", 7", 8" and 10" end units available; Transfer conveyors and bag conveyors or will custom build. Call for prices. Master Industries Inc. www.masterindustries.ca Phone 1-866-567-3101, Loreburn, SK.

BATCO CONVEYORS- Available for Harvest. See your nearest Flaman location or call 1-888-435-2626.

EQUIPMENT MONITORS
4109

OPI GRAIN MANAGEMENT Systems. Call Wentworth Ag 1-877-655-9996 ask about our specials. www.grainequipment.com Email: wentworth@grainequipment.com

FERTILIZER EQUIPMENT
4112

MERIDIAN 300 TON SS liquid fertilizer tank, 2- 3" SS valves, like new, \$42,500. 306-921-6697, 306-921-8498, Melfort, SK.

8300 GAL. IMP. VERT. LIQUID fertilizer tank, \$6250. Also in stock, transport tanks in various sizes. Call 1-888-435-2626. www.flaman.com

GRAIN AUGERS
4115

2010 WHEATHEART 13x91 swing away grain auger, like new condition, \$7900 OBO. 204-851-0745, Elkhorn, MB.

2009 BRANDT AUGER, 13x70, electric mover w/remotes, hyd. winch, reverser, light, good cond., \$13,500. 306-921-6697, 306-921-8498, Melfort, SK.

2012 WHEATHEART 13x74 swing auger, like new, electric swing, hyd. winch, reverser, \$17,500. 306-493-7871, Harris, SK.

13x71 PLUS WESTFIELD with hydraulic mover on swingout, excellent, \$10,500. 306-960-3000, St. Louis, SK.

AUGERS: NEW and USED: Wheatheart, Westfield, Westeel augers; Auger SP kits; Batco conveyors; Wheatheart post pounders. Good prices, leasing available. Call 1-866-746-2666.

SAKUNDIAK GRAIN AUGERS available with self-propelled mover kits and bin sweeps. Contact Kevin's Custom Ag in Nipawin, SK. Toll free 1-888-304-2837.

7" WHEATHEART BIN sweep, like new; Westfield 8"x51", PTO; Brandt 7"x40" w/motor; 4"x16" w/electric motor. Call 306-492-4642, Clavet, SK.

MK 130-61 WESTFIELD auger, good condition, \$5800. 780-233-2222, Sangudo, AB.

SAKUNDIAK 7"x52' AUGER, c/w 18 HP Briggs & Stratton start motor, \$2000 OBO. 306-675-4566, 306-795-7382, Leross, SK.

2013 TELEVEYOR, PTO driven, fits on 13" or 16" augers, made by Dekoning Innovations, \$13,500. 204-215-0999, Boissevain.

REMOTE CONTROL SWING AUGER movers, trailer chute openers, endgate and hoist systems, wireless full bin alarms, swing belt movers, wireless TractorCams, motorized utility carts. All shipped directly to you. Safety, convenience, reliability. **Kramble Industries** at 306-933-2655, Saskatoon, SK. or www.kramble.net

2010 BRANDT 1390

SWATHERS 4148

2012 CIH WD1903 swather, 539 eng. hrs., big rubber, deluxe cab, never smoked in, 190 HP 6 cyl., 36' dbl. knife drive and dbl. reel drive, hyd. fore/aft, dual shears, shedded. 306-463-8669, Kindersley, SK.

JD 2420 DIESEL, 25' header, UII PU reels, gauge wheels, AC, hydro, vg cond., field ready, \$6500. 306-723-4317, Cupar, SK.

2007 MF 9430 w/30' draper deader #W22408A, 1108 hrs, 30' center delivery \$59,000. 306-864-3667, Kinistino, SK. or www.farmworld.ca

8100 HESSTON, double swath, PU reel, new canvases, guards and knife, field ready. 306-322-4755, Rose Valley, SK.



1997 CASE/IH 8825 HP 30' SP swather, SN #CFH0127052, 2242 hrs., double knife drive, shiftable drapers for DS, poly skid plates, New UII PU reel in 2012, rear weights, poly swath roller, rear hitch mounted w/1 7/8" ball, shedded, \$25,000. Call 306-377-2002, Herschel, SK.

1996 MACDON SP swather, 30' 960 header, PU reel, Cummins turbo 2 spd, original owner, 3800 hrs., field ready, \$25,000. 306-224-4777, Corning, SK.

IHC 5000, 19.5', PU reel, Keer shear. 306-764-6372, Prince Albert, SK.

1997 MACDON 9200 SWATH, 21', shedded, PU reel, 1360 hrs., \$37,500; 2010 Case/Steiger, 4WD, shedded, 795 hrs., \$185,000. 204-268-2853, Selkirk, MB.

2008 MF 9430, 1175 eng. hrs., 36' header, 1 season on canvases, roto shears, mounted swath roller, hyd. tilt, elec. Fore/Aft, vg cond., \$52,000 OBO. Call 306-548-4344, Sturgis, SK.

2012 NH H8060 w/36' draper header #HW3388A, 509 hrs., H836 header, \$105,000. 306-682-9920, Humboldt, SK. or www.farmworld.ca

1999 MACDON 2920 w/30' draper header #W22404C, 2660 hrs 30' 962 header, center delivery, PU reel, \$29,900. Humboldt, SK, 306-682-9920 or www.farmworld.ca

885 MASSEY SP gas, 1700 hrs., 30', **66" opening**, PU reel, HD wobble box, dual Roto-sheers, new canvases, spare parts. 306-335-2777, Lemberg, SK.

4700 VERS. SWATHER, ONE owner, 30-ft header, always shedded. \$5,800 OBO. Phone: 204-736-2941.

1988 CASE/IH 6000 25', MacDon PU reels, 2394 hrs., wide opening, dsl. and gas eng., \$9200 OBO. 306-275-4446, St. Brieux, SK.

NEW MF WR9735, 30', UII PU reel, fore/aft, axle susp., 130 HP \$91,000 OBO. 306-699-2442, McLean, SK.

2014 MACDON M155 w/35' draper header #W22653A, 129 hrs., 35' D65 triple delivery header, \$161,000. 306-922-2525, Prince Albert, SK. or www.farmworld.ca

1993 MF 2000, 2200 hrs., 30' swather, PU reel; Also swath roller. Call 306-759-2651 or 306-759-7745, Brownlee, SK.

MF 9420, SP 30', 989 hrs, UII PU reels, \$55,000.; **JD 590**, PT, 30', batt reels, exc. cond., \$4500. Both shedded. Retired. Call 306-493-7871, Harris, SK.

2013 MF 9740 w/36' draper header #W22657B, 180 hrs., 36' center delivery header, \$127,000. 306-922-2525, Prince Albert, SK. or www.farmworld.ca

1983 MASSEY FERGUSON swather, 25', field ready, some new parts. Call 306-492-4642, Clavet, SK.

CIH 8230 PT 30' batt reels, very little use, new cond., always shedded, \$4500. 306-675-4883, 306-331-7456, Lipton, SK

2002 MF 220XL, 30' header, UII PU reel, shedded, mint condition, 1087 hrs. Call 306-228-7556, Unity, SK.

2005 NH HW325 with 36' draper header, #HN3119A, 1926 hours, \$56,000. 306-864-3667, Kinistino, SK. or www.farmworld.ca

1997 CIH 6000 w/25' draper header #PN3020D, 3893 hrs., 25' shift header, \$15,000. 306-922-2525, Prince Albert, SK. or www.farmworld.ca

1989 VERSATILE 4750, 25' table w/lifters, PU reel, 2450 hrs, always shedded, vg cond., \$14,000. OBO. 204-825-2965, 204-825-7932, Mariapolis, MB.

1985 JD 2360 SP gas, 30' header w/PU reel, 3300 hrs., CAHR, good cond., \$7000; 1997 Case/IH 8220 PT, w/25' table, 540 PTO, good cond., \$3500. 306-939-4882, 306-726-7568, Earl Grey, SK.

2006 CASE/IH WDX1202 w/36' draper header #W22816B, 1057 hours, \$63,000. 306-864-3667, Kinistino, SK. or www.farmworld.ca

IH 4000 24' SP swather, AC, air seat, PU reel, big tires, \$4500. 306-634-7920, 306-421-1753, Estevan, SK.

CASE/IH 8230 PT SWATH, 30' with UII PU reel. 306-460-9440, Smiley, SK.

SWATHER ACCESSORIES 4148

2010 NEW HOLLAND WINDROWER draper header, 36' PU reels, Fore/Aft, pea auger, premium shape, used very little, \$50,000. 306-834-7204, Kerrobert, SK.

WANTED: 30' SWATHING HEADER to fit 2014 NH bi-directional. Call 780-745-2574 or 780-870-1407.



HAUSER SWATH ROLLER inventory reduction sale. Save 20% factory direct. All steel 10e drum. Mimics every movement of the swather, accurate and consistent ground gauging, legal width transport. Starting at \$3,600. Hauser's Machinery, Melville, www.hausers.ca 1-888-939-4444.

2006 MF 5200 header, 25', PU reel, double swath, fore/aft., exc. cond. 306-344-4723 evenings. Frenchman Butte, SK.

SWATHER ACCESSORIES 4148

18' UII REEL, steel teeth, \$1250. 21' HoneyBee header, no reel, \$1250. Leon 606 FEL, \$3200. 306-960-3000, St. Louis, SK.

I/H VARIOUS 4151

FOUILLARD IMLEMENT
Serving The Community Since 1908
Last Chance Sale All Sales Final Cash
Or D/C Only Doors Close Aug. 31, 2016
(204) 683-2221 ST. LAZARE, MB.

FLEXHEADS-CASE-IH 1020 25-FT. \$6000; 30-ft \$8000; 2020 30-ft, \$15,000; 1015 PU Header, \$3500; JD 925, \$6500; JD 930, \$9000; Nissen bean windrower, \$5000; Large selection of used Grain carts & Gravity wagons. 204-857-8403.

BALERS: JD 535, \$4500; JD 510, \$1500; JD 336, \$3000. Rakes: NH 216, \$5500; Vermeer hydraulic R23, \$9000; Gehl 2270 haybine, \$2500. Mowers: NH 456, \$2000; Bushog 9', 3 PTH disc, \$2000; Woods 315 Batwing, \$6000; JD 15', \$6000. 1-866-938-8537, Portage La Prairie, MB.

530 JD BALER, always shedded, in good shape. 400 Versatile 18' SP swather with cab, good shape. 204-748-1024 Virden MB

COMBINES 4151

CASE/IH 4146

1999 CASE/IH 2388 with Swathmaster PU, #HN3133B, 2819 hrs., 2129 threshing hrs., \$68,000. 306-682-9920, Humboldt, SK. or www.farmworld.ca

2009 CASE/IH 7120, 1475 threshing hrs., 16' PU header, 520 duals, lateral tilt, fine cut chopper, engine air filter, updated, var. speed feeder, shedded, \$160,000. Eskdale Acres Inc., Leross, SK. 306-795-7493, 306-795-7747, 306-795-7208.

1987 **CASE/IH 1680** combine w/header reverser, internal chopper, \$10,500. Located at Canora, SK. Call 780-926-9773.

2006 CASE/IH 2388, field ready, shedded, 1486 threshing hours, \$110,000. Call 306-567-8081, Davidson, SK.

2004 CASE 8010 **heavy land combine**, RWA, exc. cond., better than new. Call Ed for details 204-299-6465, Starbuck, MB.

2011 CIH 8210 w/3016 PU, PN3305B, \$250,000. 306-922-2525, Prince Albert, SK. or www.farmworld.ca

PARTING OUT: 1986 CASE/IH 1680, w/good motor, hydro, trans and planetary axles. Sieves and frames good w/no welds 204-662-4510, 204-522-5283, Sinclair, MB

CASE/IH 2188, w/PU, chopper, rocktrap, new tires w/AFX rotor, new unload auger and feeder chain. Upgraded yearly, stored inside, 3127 hrs., excellent paint, mint, \$40,000. 306-891-9772, Yellow Grass, SK.

1983 CIH 1480 SP 3998 eng. hrs., shedded, field ready, tires- good, , hyd. reverser, \$6500; 810 24' straight cut header, \$1000. 306-753-7094, Macklin, SK.

2002 2388 CASE/IH, 3063 eng. hrs., 2515 rotor hrs., very nice shape, always shedded, \$70,000 OBO. Wayne Nickason 306-378-7336, Wiseton, SK.

1996 CASE/IH 2188, 1950 sep. hrs., very good, \$52,000; 2001 HoneyBee 30', \$20,000. Call 306-563-8482.

2006 CIH 8010 SP axial-flow with 2015 header, 1644 eng./1238 sep. hrs., exc. condition; 2009 2020 flex header (done 500 acres) sold separately. 204-648-3042, 204-546-2789, Grandview, MB.

1989 CASE 1680 combine, 5100 engine hrs, shedded, excellent condition, \$25,000. Call 306-567-8614, Davidson, SK.

MF 860 V8 Hydro, PU header, good cond., \$5000; MF 760, grey cab V8 hydro, parts, \$750 OBO. 306-873-5449, Tisdale, SK.

1998 CASE 2388, 2015 PU header harvest rotor and concave, 2500 sep. hrs. 2004 30' MacDon 973 draper header, \$70,000. 306-460-9107, Kindersley, SK.

ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca **Case/IH 1680 combine, Victory PU, shedded.**

1996 CASE 2188, 1015 PU, 30' 1020 flex header, 4600 engine/3500 rotor hrs., very good condition, always shedded, \$35,000 OBO. Call 306-485-7843, Alida, SK.

1991 1680 w/1015 header, new engine, \$28,000. 2000 2388 w/1015 header, \$65,000. 2004 2388 w/2015 PU header, \$115,000. 2006 2388 w/2015 PU header, \$130,000. 2009 7088 w/2016 PU header, \$180,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

1992 1640, 1402 eng. hrs., c/w 1015 7-belt PU, \$9500. 1010 25' straight cut header available. 306-429-2820, Glenavon, SK.

CATERPILLAR LEXION 4146

2001 CAT LEXION 450, 2100 sep. hrs., conventional, field ready. 306-270-1686, near Aberdeen, SK.

FORD/NH 4172

2004 NH CR9070 with Rake-Up, #HN3179B, 3600 hrs., 2308 threshing hours, \$95,000. 306-682-9920, Humboldt, SK. or www.farmworld.ca

2008 NH CR9060, 14' Rake-Up PU, deluxe NH chopper, Intelliview monitor, Y&M, remote sieve adj., elect. stone trap, 1470 hrs., vg cond., serviced, field ready, \$105,000 OBO. 306-497-7756, Blaine Lake.

2008 NH CR9070 with Swathmaster PU, #N22195B, 2130 hrs, 1654 threshing hrs., \$172,000. 306-922-2525, Prince Albert, SK. or www.farmworld.ca

1991 NEW HOLLAND TR96, Ford motor, rice tires, 3,155-hrs, \$15,000 OBO. Phone 204-781-8855.

2005 NH CR9060 with Swathmaster PU, #HN3375B, 2781 hrs., 2295 threshing hours, \$75,000. 306-682-9920, Humboldt, SK. or www.farmworld.ca

1999 TX68, 2600 eng. hrs., mostly new bearings and belts, Hassle free electronics, exc., \$24,000 OBO. Nate 204-372-6081, 204-280-1202, Fisher Branch, MB

2002 4WD TR99, SN#566299, 2207 hrs., 1464 thresh hrs., 971 header, SN#622833, w/397 Westward PU, Cray big topper, Y&M monitor, lateral float, MAV chopper, \$80,000. 306-929-4693, Prince Albert, SK.

Syd 4172



Everyone in my family is easily offended. Go ahead, say something.

FORD/NH 4172

1999 NH TX66, 2300 sep., 2700 eng. hrs., Swathmaster PU, always shedded, w/973 flex head, field ready, exc. cond., \$42,000 OBO for pair. Stonewall, MB. 204-461-0706, 204-467-5608.

1997 TX68 COMBINE, updated to 1999, no hassle electronics, straight cut available, \$22,000 OBO. Nate Golas, 204-372-6081, 204-280-1202, Fisher Branch, MB.

2005 NH CR970 with Swathmaster PU, #PN3202B, 2312 hours, \$89,000. 306-922-2525, Prince Albert, SK. or www.farmworld.ca

1999 TX66 2700 ENGINE, 2,300 sep hrs, Swath Master PU, always shedded, VGC, field ready. Also 973 30-ft. flex head, asking \$42,000 OBO for the pair. 204-461-0706.

1994 TR96, 36' HoneyBee header, PU reel, very good canvases and tires, Redekop chopper w/PU table and Sund PU, \$25,000. 306-296-4741, Frontier, SK.

2009 NH CR9080 with Swathmaster PU, #HN3373B, 1292 hrs., 1292 threshing hrs., \$210,000. 306-682-9920, Humboldt, SK. or www.farmworld.ca

1999 TX68 COMBINE, exc. cond. mostly new bearings and belts, Hassle free elec. system, 2600 eng. hrs., \$22,000 OBO. Call Nate 204-372-6081, Fisher Branch, MB

GLENER 4173

1976 GLEANER L 24' straight cut header, duals, chopper, PU, transport, open to offers. Call 306-693-9847, Moose Jaw, SK.

2011 GLEANER A6 with Swathmaster PU, #PN3014C, 836 hours, \$255,000. 306-922-2525, Prince Albert, SK. or www.farmworld.ca

1981 GLEANER L2, std., PU, good cond., field ready, \$3000. 204-525-4843, 204-734-0354, Swan River, MB.

2004 GLEANER 475 w/Swathmaster PU, #N225110, 2750 hrs., 16' PU, \$99,000. 306-864-3667, Kinistino, SK. or www.farmworld.ca

2005 GLEANER R75 w/Swathmaster PU, #N22511D, 2750 hrs., 16' PU, \$99,000. 306-864-3667, Kinistino, SK. or www.farmworld.ca

JOHN DEERE 4178

2014 JD S670, 243 threshing hrs., Contour-Master, chopper, GS3 screen, 900/60R32 singles, 22.5' auger, hyd. fold hopper, powertrain warranty until Aug. 16, 2019. Comes with 2014 P615 PU. Stored inside. Roy Bailey, 306-935-4702 Mildren.

2004 9760 STS, dual wheels w/1300 draper PU, \$120,000. 2008 9770 STS, dual wheels w/2010 615 PU header, \$195,000. Call A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

1997 JD **9600**, 3089 sep. hrs., 914 PU, chopper, chaff spreader, Greenlighted 2015, shedded; 1988 **7720** Titan II, hydro, 3364 hrs., 212 PU, chopper, chaff spreader, 306-699-7150, 306-699-7055, McLean, SK.

2008 JD 9770, Contour-Master, AutoSteer, 800/70R38 tires, 28LR26 rears, 1852/1350 hrs., Michel's Hopper cover, shedded, exc., \$185,000. 306-628-7337, Leader, SK.

1986 JD **8820** Titan II combine w/PU header, \$16,000; JD **925** straight cut flex header, \$13,000. Both field ready. 306-493-2762, 306-493-7324, Deisle, SK.

2004 9760 STS, 2460 sep. hrs., Greenlighted, fine cut chopper, hopper toppler, long auger, Y&M, more options, exc. cond., \$110,000. 306-642-8111, Rocklglen, SK.

1997 JD CTS, 1824 sep. hrs., loaded incl. Contour-Master, single point connector, wiring harness for JD GPS, 80 hrs. since last Greenlight, \$45,000. 306-672-3993, Webb, SK.

1994 JD 9500, w/914 header, Greenlighted yearly, 4200 eng. 3200 sep. hrs., shedded, vg cond., \$30,000. 306-274-7636, 306-274-2192, Lestock, SK.

2002 JD 9750 STS, 2863 eng., 2165 sep. hrs., Outback ready, duals, 2014 Michel's elec. tarp, 2013 Redekop chopper, single point hookup, Y&M, HID lights, more options, always shedded, exc. cond., \$85,000 OBO. 306-644-4703, Loreburn, SK.

1986 6620, hydro, 212 PU, reverser, chopper, 2 spd. cyl., 3155 hrs., always shedded, \$12,500. 306-873-1035, Tisdale, SK.

1984 JD **8820**, turbo, 2530 eng. hrs., long unloading auger, PU, \$5000 work order completed, rub bars and concave 2 years old, always shedded, \$13,000 OBO. Pics avail; 1975 **6601** PT, good cond., \$900; 306-395-2651, 306-690-5715, Chaplin, SK.

2000 JD 9650STS, 4494 eng., 3059 sep. O hrs. on fresh 2016 Greenlight. Precision thresh elements, concaves, rear beater and speedup kit, Harvest services feeder chain, good rubber, plumbed for Outback GPS and AutoSteer, c/w JD 914 PU, asking \$75,000. 306-463-7579, Kindersley, SK.

1990 9600, 4300 sep. hrs., 914 PU w/new belts, chaff spreader, always shedded, \$26,000 OBO 204-773-0111 Angusville MB

2001 9650 STS, 1690 threshing hrs, 914 PU, updates, premium condition, shedded, \$97,500. 306-228-7991, Unity, SK.

JOHN DEERE 4178

1996 JD 9600, 5900 eng., 4900 sep. hrs, JD chaff spreader, new rub bars, concaves, feeder house bearings and sprockets all done 2015; 1995 9600, 4900/3900 hrs., Cray chaff spreader, Sunnybrook concave, new feeder house sprockets in 2015. Both have 914 PU's and Rodono chopper. 306-486-4407 306-483-8563, Frobisher SK.

1986 JD 7720 Titan II, hydro, 212 PU header, 3884 hrs., chopper, chaff spreader, too many new parts to list, good shape, asking \$13,000. Call 306-939-4403, 306-726-7516, Earl Grey, SK.

2005 JD 9660, 2325 eng. hrs, 1757 sep. hrs., 800/70R38 tires, 15' MacDon PW7 Swathmaster PU, fresh Greenlight, \$110,000. 306-442-7588, Khdive, SK.

1986 JD 8820 Titan II, hydro 212 PU header, 4100 eng. hrs., \$9600 OBO; 1982 7720 turbo posi, 212 PU header, 4900 eng., \$6500 OBO. 306-275-4446, St. Brieux, SK.

1991 JD 9500, many upgrades incl. greaseable straw walkers, gauge sieves, chaff spreader, new drive tires, 3983 sep. hrs., \$19,500. 306-728-2529, Yorkton, SK.

MASSEY FERGUSON 4181

SPRAYING VARIOUS
4244

SPRAYER TIRES: 3 good used 320/90R46 306-268-7550, 306-268-7400, Bengough, SK.

TILLAGE/SEEDING

AIR DRILLS
4250



2000 MORRIS MAXIM II 50' air drill, 7300 VRT air cart w/elec. over hyd. in cab control, 3rd tank, 10" spacing, 3.5" steel packers, Agtron primary blockage, DS, can switch to SS, Atom Jet side band openers, scrapers, opt. 3 camera CabCam system, \$45,000. 306-377-2002, Herschel, SK.

SLEEPERS AND DAYCABS. New and used. Huge inventory across Western Canada at www.Maximinc.Com or call Maxim Truck & Trailer, 1-888-986-2946.

2012 MORRIS CONTOUR II 61' air drill, 12" spacing, w/8650 XL air cart w/duals, var. rate, Eston seasonal fertilizer Broadcast kit, Bourgault tillage tool, 3/4" Eagle Beak knives, Best offer, Ph Gerald 306-379-4530 or Nathan 306-831-9642, Fiske, SK.

2004 2340 FLEXI-COIL air tank, TBH, al-ways shedded, not used last 3 yrs., very good shape, \$17,500 OBO. 306-468-7171, 306-724-2225, Debden, SK.

ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca Bourgault 30' cultivator, 8" spacings.

AIR SEEDERS
4252

VALMAR AIR FLOW TANK 4400, for small or large seeds or chemicals, shedded, \$3500 OBO. 204-736-2941, Sanford, MB.

HARROWS/PACKERS
4256

2001 DEGELMAN HEAVY harrow 70', one owner, low use, \$26,000. 306-563-8482, Rama, SK.

DEGELMAN 7000 STRAWMASTER, new tires, good condition, \$19,000. 306-273-4705, Rhein, SK.

PILLAR MODEL 600 heavy harrow w/hyd. down pressure, wheel and tine adjust. Priced to move, financing and delivery available. Located in Saskatoon. Phone Flaman 1-888-435-2626.

TILLAGE EQUIPMENT
4262

ROME DISC, Model TAH20-28, 10', double offset hyd, angle adjust and manual axle hitch, \$8500. 306-580-7602, Minnedosa.

USED WISHEK: 14', 16', 30'; Rome 16'; Hesston #2410 50' one-way; Kewanee breaking disc, 14' to 16'; DMI 5-7 shank rippers. www.zettlerfarmequipment.com 1-866-938-8537, Portage la Prairie, MB.

2013 WISHEK 842N 18', 30' blades, hyd. hitch, new condition, \$39,500 OBO. 306-699-2442, McLean, SK.

SALFORD 41' VERTICAL tillage unit, c/w MaxQuip NH3 pump, sectional control. Great for fall straw management and fertilizer application. 306-620-2218, Ituna, SK.

37 GABER VERTICAL tillage units. Call for details, 306-485-8770 or 306-925-2245, Glen Ewen, SK.

2014 NORWOOD 25' high speed disc. Breakdown soil quickly and efficiently. 30 acre/hr., 19" blades. Located in Southey, SK, Flaman 1-888-435-2626.

TRACTORS

ALLIS/DEUTZ
4277

1976 ALLIS CHALMERS 200, 2660 hrs, exc. cond., 3 PTH, 9' Leon blade, 100% ready to work, \$9000. 306-380-4565, Aberdeen, SK

1986 DX710, 5800 hrs., AC, 540/1000 PTO, 50% rubber, shedded, good cond. 306-642-3454 evenings, Assiniboia, SK.

CASE/IH
4286

CIH 1460 SP combine, always shedded, field ready, great shape, approx. 2200 hrs. Call 204-878-3358, Isle des Chenes, MB.

ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca CASE/IH 4490 tractor, c/w 12' dozer blade.



2010 CASE/IH MAGNUM 275, 2400 hrs., 3 PTH, big 1000 PTO, \$126,500. For info, call Brandon at 306-577-5678, Manor, SK.

LIZARD CREEK REPAIR and Tractor. We buy 90 and 94 Series Case, 2 WD, FWA tractors for parts and rebuilding. Also have rebuilt tractors and parts for sale. 306-784-7841, Herbert, SK.

WRECKING FOR PARTS: Case 886, c/w Overhauled engine, 18.4 Firestone radials at 90%, 690 Leon loader, bucket, grapple and joystick; JD 3010, excellent sheet metal, 18.4x30 Goodyear rear- 90%, Call 1-877-564-8734, Roblin, MB.

CASE/IH STEIGER 9180, PTO, powershift, w/wo 12' Degelman dozer blade, exc. maintenance, \$60,000 w/blade, \$53,000 without. Retired from farming. Phone 306-962-3821, 306-463-7172, Eston, SK.

IH 4386/4586/4786 PUMPS in stock, built here. We can increase pump flow for air seeder use. Call with your part #: 800-667-7712 Hydratec Hydraulics, Regina

1984 IHC 5088, 130 HP 8920 hrs., triple hyds., dual PTO, 20.8.x38 radials, blade is extra, \$18,000. 204-525-4521, Minitonas, MB. www.waltersequipment.com

STEIGER
4289

STEIGER TRACTOR PARTS. New and used, from radiator to drawpin, 1969 to 1999. Give us a call 1-800-982-1769 or www.bigtractorparts.com

STEIGER PUMPS IN stock. Spline drive and gear drive models built here and are in stock. Call us with part #: Hydratec Hydraulics, 1-800-667-7712, Regina, SK.

CATERPILLAR
4292

2000 CAT CH45, 240 HP 1000 PTO, new 25" tracks, \$56,500. Corner Equipment, Carroll, MB. 1-888-492-6104 or [view www.cornerequipment.com](http://www.cornerequipment.com)

2004 CAT CHALLENGER 865, 500 HP 36" track, trimble AutoSteer, swinging draw bar, deluxe cab, mint cond., \$155,000. 306-861-7488, 306-842-5891 Weyburn SK

CAT 855, 465 HP PTO, 2800 hrs, minty, trimble GPS 2008, \$229,500 or lease, \$19,500 SA PMT. Corner Equip., Carroll, MB 1-888-492-6104 cornerequipment.com

JOHN DEERE
4295

STEVE'S TRACTOR REBUILDER looking for JD tractors to rebuild, Series 20s, 30s, 40s or 50s, or for parts. Will pay top dollar. Now selling JD parts. 204-466-2927, 204-871-5170, Austin, MB.

2014 JD 8360RT, 1015 hrs, 1000 RPM, 3 PTH, 5 remotes, \$319,000. Corner Equip., Carroll, MB. 1-888-492-6104 or view www.cornerequipment.com

2001 7810 FWA, 20 spd. AutoQuad trans, LHR, 3 PTH, HD front susp., 741 self-level loader w/grapple, 7300 hrs., recent OH on trans, \$85,000. 306-883-9230, Leoville, SK

2014 JD 9560RT, 980 hrs, PTO, 78 GPM pump, GPS ready, \$429,000. Corner Equip., Carroll, MB. 1-888-492-6104 or www.cornerequipment.com

1985 JD 4850, FWA, 6080 hrs., 3 hyds., rebuilt AC, good condition, \$36,000. 306-672-7616, Gull Lake, SK.

JD 8970, new tires; JD 4440, rebuilt engine; JD 4450, FWD, 3 PTH, new engine; JD 4255, FWD. 204-871-5170, Austin, MB.

2007 JD 9400, 24 spd., new triples, 6900 hrs, Greenlighted, \$109,000 OBO. Call Ed for details 204-299-6465, Starbuck, MB.

JD 3038E COMPACT utility tractor w/JD loader 305 and bale spear, \$22,500. 306-325-1212, Preeceville, SK.

2001 JD 8210, 3850 hrs., AutoTrac ready; 2001 7710, 4200 hrs., 3 PTH. Both have 540/1000 PTO. 204-522-6333, Melita, MB.

1995 JD 6400, 2 WD, 620 loader, 11,100 hrs, good tires, powerquad, 1 owner, very well serviced, 2 buckets, bale spike, 3 PTH, asking \$27,500. 306-948-2963, Biggar, SK.

WANTED: GOOD BACK half of 8640 or 8650 transmission. Call 306-272-7159, Foam Lake, SK.

2008 JD 9430T, 6500 hrs., exc. cond., \$177,500. May consider 35' air drill or 1680 Case combine on trade. Briercrest, SK. 306-799-4201, 306-631-8589.

STEVE'S TRACTOR REBUILDER specializing in JD tractors in need of repair or burnt, or will buy for parts. JD parts available. Phone: 204-466-2927 or cell: 204-871-5170, Austin.

1995 JD 7410, mint cond., MFWD, new front rubber, SN RW7410H012568, quad, front fenders, heavy front axle, never had a loader (used for sprayer), no LHR, \$55,000. 204-427-3311, Woodmore, MB.

2014 JD 9360 R, 1172 hrs, PTO, 710/42 rubber, \$297,500. Corner Equipment, 1-888-492-6104, Carroll, MB. or view www.cornerequipment.com

1981 JD 8640, 4WD, 8300 hours, good condition, \$19,500. Call 306-739-2442, Moosomin, SK.

JD 2950 2WD W/LOADER & cab, 3 PTH, very good 18.4x38 tires, 7200 hrs, 85 HP c/w quick detach bucket & bale fork, tractor runs & looks excellent, asking \$26,500 OBO. 204-825-8340 or 204-825-2799.

1982 4440, 8750 hrs., 726 FEL, grapple fork, joystick, Outback AutoSteer, 540/1000 PTO, duals, \$38,000 OBO. 306-773-9058, Stewart Valley, SK.

2004 JD 6715, with FEL, 3 PTH, 105 HP 4100 hrs., vg cond. Call 306-773-7122, Swift Current, SK.

MASSEY FERGUSON
4301

VARIOUS SYSTEM IMPROVEMENTS for 800/900 series Versatile tractors. Can easily be converted to pull air seeders. Hydratec Hydraulics, 800-667-7712, Regina.

MASSEY 4000/4840/4880/4900 hydraulic pumps built here and in stock. Suitable to run air seeder systems. Big savings, superior product. Hydratec Hydraulics, 1-800-667-7712, Regina, SK.

65 MF DIESEL, good paint, good tires all around, FEL, front mount hyd. pump, 3 PTH. Call eves. 306-239-2072, Osler, SK.

NEW HOLLAND
4304

1998 FORD/VERSATILE 9882, 5300 hrs., 710/38 duals, trimble AutoSteer, excellent condition, \$90,000 OBO. 204-523-7469, 204-534-8115, Killarney, MB.

FORD
4307

1956 FORD 600, 480 hrs., 3 PTH, hydraulic option, restored and painted 2015. For details call 306-444-1590, Davidson, SK.

VERSATILE
4310

VERSATILE 450 WHEEL PTO high flow 800's, 120 hrs, still new factory warranty, \$325,000. Corner Equipment, Carroll, MB. 1-888-492-6104. cornerequipment.com

2012 VERSATILE 305, 800 hrs., \$155,000 or lease for \$9,900 SA PMT OAC. Corner Equipment Carroll, MB. 1-888-492-6104 or www.cornerequipment.com

2009 VERSATILE 2375, 4WD, 2380 hrs., std. trans., 45 GPM, 710x38 duals, cruise, full wgt. pkg. front & back, \$127,500. Call 306-468-7171, 306-724-2225, Debden, SK

2014 VERSATILE 450DT, 160 hrs, PTO high flow, fully loaded, \$25,500 SA PMT. Corner Equipment, 1-888-492-6104 at Carroll, MB. www.cornerequipment.com

2014 VERSATILE 260, 180 hrs, 2 yr. warranty remaining, \$165,000. Corner Equipment. Carroll, MB. 1-888-492-6104 or www.cornerequipment.com

VERSATILE
4310

VERSATILE 550DT, 2016, PTO, 300 hrs, 2 yrs. warranty remaining, \$459,000. Corner Equipment, Carroll, MB. 1-888-492-6104 or www.cornerequipment.com

VARIOUS TRACTORS
4319

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STEIGER TRACTOR SPECIALIST
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AIR SEEDER DRIVE systems available for older tractors, lots of variations. Hydratec Hydraulics, 1-800-667-7712, Regina, SK.

FOR SALE: ARMSTRONG 20.8X42 4WD tires, approx 60-70% tread life, asking \$1,600 OBO. (204)461-0706

LOADERS/DOZERS
4322



2009 HYUNDAI LOADER HL740XTD, S/N #LF0710299, mint condition, 13,540 hrs., \$58,000. Call 204-981-3636, Cartier, MB.

WANTED: DOZER BLADE to fit 8050 Allis Chalmers tractor. 306-723-4317, Cupar, SK

MISCELLANEOUS
4325

FLAX STRAW BUNCHER and land levelers. Building now, taking orders. Don't delay, call now! 306-957-4279, Odessa, SK.

FARM EQUIPMENT: 1996 JD 6620 combine, 472 hrs.; 1996 JD 224 straight cut header, 24'; 1995 Case 4490 tractor, 1772 hrs.; 1977 Allis Chalmers A-C 7040 3500 model, PS, 6800 hrs.; 1994 Agco 4865 New Idea round baler; 1995? Brandt 50' grain auger, hyd. swing hopper; 1995 Rite-Way 6000 tine harrow packer, 50'; 1981 CI 1001 diskers, 28'; 1985 CI 279 cultivator, 40'. Call 306-460-7188, Alsask, SK.

CIMBRIA TECH GRAIN cleaner; Screen separator Type 113; Older 30' 2 axle combine header trailer; Misc. 3 to 40 HP 240 to 460V 3 phase elec. motors; New 600V single phase elec. main shutoff panel; Farm King 60x10 TM mech. drive auger, like new; New clutch for 1150 Versatile and used trans gears. Call Mickey 204-483-2774, 204-724-5709, Carroll, MB.

CHECK OUT OUR inventory of quality used highway tractors. For more details call 204-685-2222 or view information at www.titantrucksales.com

FERGUSON TEA (8N look alike) 3 PTH, \$550; Early 1940's AC WC?, \$600; 1968 Impala Super Sport convertible, fully loaded very nice, \$22,500; Crop Saver, used 1 day, \$500; Anhydrous kit for deep tiller, hoses, gauges, hyd. lines, and hitch, \$750. 204-641-3615, 204-378-2974, Arborg, MB.

TANDEM & TRIPLE AXLE container chassis, 20', 40' to 53' frames. Can be made into good hay or water trailers. Call Roy: 204-385-2685, Gladstone, MB.

1979 IH 1460 combine, field ready, \$7000 OBO; 2 Sakundiak augers: 10' 1800, 60' excellent shape; 8' 1400, 46', w/25HP Kohler eng. \$5000 each; Versatile PT #10 swather w/extra parts; \$600 OBO. Call or text Les 403-548-5758, Golden Prairie, SK.

ODESSA ROCKPICKER SALES: New Degelman equipment, land rollers, Straw-master, rockpickers, protill, dozer blades. 306-957-4403, 306-536-5097, Odessa, SK.

2006 NH TM140 tractor w/loader, 3338 hrs., \$55,000; 2005 Case MXU125 tractor, 6100 hrs., \$52,500; 2010 Highline RCH 15' mower, \$15,000. For viewing or more info contact RM of Glen Bain No. 105, Glen Bain, SK. SON 0X0. Phone 306-264-3607.

ESTATE SALE: NH 7090 round baler, like new; Snocrete 848a 8' tractor mounted 3 PTH snowblower; 1975 Int. 1466, duals, new sleeves and pistons; 1977 Ford F600 3 ton truck, 40,000 miles; 1975 Massey 760 V8 hydro combine; Walinga 6614 agrv vac, used 3 times. 403-304-9217, Hoosier, SK.

HEAVY DUTY PARTS on special at www.Maximinc.Com/parts or call Maxim Truck & Trailer, 1-888-986-2946.

GRAIN SCREENERS: HICAP 44, \$3000; Neco 52, \$5000; Sukup 50-in, \$4000; Hutchinson 1600 w/tailings auger, \$3500; Kwik Kleen 58' tub cleaners, \$5000 up; Screens \$150; New 10-ft Landlevelers, \$2450; 12-ft, \$2650; Scrapers Ashland 4.5-yd, \$4500; Ashland 6-yd, \$5000; Ever-smán 6-yd, \$5500; John Deere 6.5-yd, \$6500; Soilmover 740, \$7000; Midland 8-yd, \$8000; V Drainage plow, \$2000. 204-857-8403.

GOOD USED 8' FARMHAND steel hay sweep teeth, \$25 each; Used underframe truck hoists, \$350; Farmhand F-21 loader, w/dozer blade and manure fork, \$950. 204-385-2685, Gladstone, MB.

BERGEN INDUSTRIES FULL carry swather mover, \$6500 OBO. **Wanted:** Approx. 40' Deep tillage and tandem grain truck. Both in good cond. 204-937-2896, Roblin, MB.

FOR SALE: REBUILD 360 Dodge motor; W6 International tractor w/FEL; 6) International #55 complete cultivator shanks. Phone 204-445-2220.

1990 FORD L9000 GRAIN truck, 19-ft Kincaide box & hoist, 13-spd, 350 Cummins; 1998 NH 9282 tractor, 3,350-hrs; 1991 NH TR86 combine, 2,240 engine hrs. Phone: 204-738-4766, evenings.

8640 JD TRACTOR; 2000 Series Bourgault air seeder Model 2155 w/Valmar. 306-868-4615, Truax, SK.

WANTED
4328

WANTED: JD 1830, 1010, 2010; or MF 65, 88; or IHC 654 in good cond. Must of live PTO and powersteering. 306-734-2970, 306-734-7335, Chamberlain, SK.

WANTED: Older and newer tractors, in running condition or for parts. Goods Used Tractor Parts, 1-877-564-8734.

WANTED: USED, BURNT, old or ugly tractors. Newer models too! Smith's Tractor Wrecking, 1-888-676-4847.

WANTED
4328

MF #36 DISCERS. Will pay top dollar and pick from anywhere. Phone Mike 306-723-4875, Cupar, SK.

WANTED
4328

LOOKING FOR 25' complete used sickle for a MacDon windrower w/972 head. Call 701-593-6168 or 701-331-1344.

FENCING
4360

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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.

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4479

BLOCKED SEASONED JACK Pine firewood and wood chips for sale. Lehner Wood Preservers Ltd., 306-763-4232, Prince Albert, SK. Will deliver. Self-unloading trailer.

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FORESTRY/LOGGING EQUIPMENT
4550



ONLINE ONLY UNRESERVED AUCTION, Aug. 17-24, 2016. Call 306-865-7660, www.championassets.ca 2015 JD 2154D w/Waratah HTH 622B, 3351 hrs., prem. cond., trans. warranty.



ONLINE ONLY UNRESERVED AUCTION, Aug. 1

LIMOUSIN
5115

TRIPLE R LIMOUSIN HAS Bulls for sale. 2-yr olds & yearlings. Red, Black & Yellow. Polled & performance, or calving ease ones. Limousin, Limousin X Angus, Limousin X Charolais. All bulls guaranteed & can deliver. Volume discount. 204-685-2628 or Cell: 204-856-3440.

SHORTHORN
5200

INTERESTED IN GETTING SOME short-horn influence into your breeding program? Contact us at www.manitobashorthorns.com or call the field rep Tom Walls 204-895-8191.

SIMMENTAL
5205

BLACK YEARLING SIMMENTAL bulls, semen tested, ready to go. Phone Bill or Virginia Peters, 306-237-9506, Perdue, SK.

SPECKLE PARK
5215

REGISTERED SPECKLE PARK Bull, 4 year old, good performance, suitable for heifers and mature cows. Contact Bernie 306-338-2082, Wadena, SK.

CATTLE VARIOUS
5240

40 RED AND 80 Black big 1350 lbs. heifers with calves for sale. Call 306-773-1049 or 306-741-6513, Swift Current, SK.

30 ANGUS BRED COWS, fall calving, 2nd & 3rd calvers, vaccinated w/Bovi-shield Gold FP5, Ivomec. 204-851-0745, Elkhorn, MB.

HORSES

AUCTION SALES
5305

MBPHB LOUD AND PROUD Foal and Horse Sale, Sept. 17, 1:00 DST, at Spot A Quarter Arena, Pierson, MB. 204-634-2375 for info. www.mbpanthorsebreeders.com

30th ANNUAL ROCKING W HORSE Sale, Tack Sale, Friday, Sept. 2nd, Horse Sale Sat., Sept. 3rd Keystone Centre, Brandon, MB. 204-325-7237. www.rockingw.com

HORSES VARIOUS
5460

4 HAFLINGER/FJORD cross yearlings, 2 geldings, 2 fillies, halter broke, \$900 each. Call 306-682-2899, Humboldt, SK.

HARNESSE/VEHICLES
5470



ONE SEATER BUGGY completely restored w/poles and shafts, \$3500. Call Buddy Bergner at 204-768-0018, Ashern, MB.



STAGECOACH, \$15,000. For more info, call Buddy Bergner 204-768-0018, Ashern, MB.

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SHEEP WANTED
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ELK
5260

WANTED: ELK HUNT bull, scoring over 500 plus. Also want large mule deer and large white-tailed deer. Keith 306-468-2925, 306-961-1150, Debden, SK

GOATS
5265

PUREBRED NUBIAN GOATS, dry does, doelings, bucks, bucklings, no CAE/CL. 306-231-4036, Humboldt, SK.

LIVESTOCK VARIOUS
5285

AKBASH PUPS, excellent. Guardian dogs, \$500ea; **DEXTER** bulls \$1000 OBO; Weanling **PIGS**, 60-80-lb red/blk \$75ea Delivery neg. 204-656-4430. No Sunday calls please.

LIVESTOCK EQUIPMENT
5290

SVEN ROLLER MILLS. Built for over 40 years. PTO/elec. drive, 40 to 1000 bu./hr. Example: 300 bu./hr. unit costs \$1/hr. to run. Rolls peas and all grains. We regroove and repair all makes of mills. Call Apollo Machine 306-242-9884, 1-877-255-0187. www.apollomachineandproducts.com

FREESTANDING CORRAL PANELS for cattle, horses, bison and sheep. 21'x5-bar, \$219; 21'x6-bar, \$239; 21' horse panel, \$179; 21'x7-bar bison, \$299; 24'x5-bar HD continuous panels, \$189; Feedlot continuous bunk feeders "you will love them"; 30' windbreak frames; Framed gates; FS panels w/gates; 20' barrel feed trough, \$295; 21' belted feed trough, \$395; 20' bunk feeder panels, \$399; 50' round pen kits from \$1385; 10' panels, \$79; 10' bull panel, \$129; Horse haysavers, \$489; Round bale feeders. For sheep: 4' and 7' panels; 21' freestanding panels; Feed troughs; Rnd. bale feeders; Small hay feeders; Lots of gates. 1-844-500-5341. For pics/info www.affordablelivestockequipment.com Will accept custom orders. Reasonable trucking rates available for delivery.

LOWEN 530 CU. FT. mix wagon, c/w scale, good shape, heavy duty 4 augers, low use. Call 306-295-7800, Eastend, SK.

Farming is enough of a gamble, advertise in the Manitoba Co-operator classified section. It's a sure thing. 1-800-782-0794.

ALTERNATIVE POWER BY SUNDGÖ SOLAR, portable/remote solar water pumping for winter/summer. Call for pricing on solar systems, wind generators, aeration. Service and repair on all makes/models. Call Car. Driedger, 204-556-2346 or 204-851-0145, Virden.

GREG'S WELDING: Freestanding 30' 5 bar panels, all 2-7/8" drill stem construction, \$470; 24'x5.5' panels, 2-7/8" pipe with 5-1" sucker rods, \$350; 24'x6' panels, 2-7/8" pipe with 6-1" rods, \$375; 30' 2 or 3 bar windbreak panels c/w lumber. Gates and double hinges avail. on all panels. Belting troughs for grain or silage. Calf shelters. Del. avail. 306-768-8555, Carrot River, SK.

FREESTANDING PANELS: 30' windbreak panels; 6-bar 24' and 30' panels; 10', 20' and 30' feed troughs; Bale shredder bunks; Silage bunks; Feeder panels; HD bale feeders; All metal 16' and 24' calf shelters. Will custom build. 306-424-2094, Kendal, SK.

FFS- FUCHS FARM SUPPLY is your partner in agriculture stocking **mixer, cutter, feed wagons and bale shredders** and industry leading **Roll-Oyl** cattle oilers. 306-762-2125, Vibank, SK. www.fuchs.ca

NH 358 MIX MILL, power bale feeder, good working cond, \$5000 OBO. Rosthern, SK., call 306-232-5688 or 306-232-3442.

CATTLE SQUEEZE CHUTE w/vet cage, Big Valley HD solid workhorse, good shape, works well, self-catch head gate w/neck extender, \$2500. 1-866-443-7444.

CATTLE SHELTER PACKAGES or built on site. For early booking call 1-800-667-4990 or visit our website: www.warmanhomecentre.com

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MISC. ARTICLES
5850

HEAVY DUTY PARTS on special at www.Maximinc.com/parts or call Maxim Truck & Trailer, 1-888-986-2946.

NOTICES
5925

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ORGANIC PRODUCTS
CERTIFICATION SERVICES
5943

WANT THE ORGANIC ADVANTAGE? Contact an organic Agrolgist at Pro-Cert for information on organic farming: prospects, transition, barriers, benefits, certification and marketing. Call 306-382-1299, Saskatoon, SK. or info@pro-cert.org

WANT THE ORGANIC ADVANTAGE? Contact an organic Agrolgist at Pro-Cert for information on organic farming: prospects, transition, barriers, benefits, certification & marketing. Call: 306-382-1299, Saskatoon, SK. or info@pro-cert.org

GRAINS
5947

ORGANIC FEED GRAIN. Call DMI 306-515-3500, Regina, SK.

WANTED: ORGANIC LENTILS, peas and chickpeas. Stonehenge Organics, Assiniboia, SK., 306-640-8600, 306-640-8437.

BEST COOKING PULSES accepting samples of organic and conventional pulses for 2014/2015 crop year. Matt 306-586-7111, Rowatt, SK.

PERSONAL

PERSONAL ADS

Personal Advertisements will not be accepted over the telephone. Only those advertisements carrying the written signature of the advertiser will be published. (Although name and address will not appear in one's ad, we must have this information for our files.) Full payment must also accompany Personal Ads.

Replies to Western Producer box numbers will be forwarded for two months.

MANITOBA MAN LOOKING for companion to go for coffee and dances. 67-71 yrs. old. Box 5586, c/o The Western Producer, Box 2500, Saskatoon, SK., S7K 2C4.

TIME TO APPRECIATE RELATIONSHIPS. Life is Meant to be Shared. We are Here to Help You. **CANDLELIGHT MATCHMAKERS.** Confidential, Rural, Photos/Profiles to selected matches, Local, Affordable, Serving MB, SK, NW-Ontario. Call/Write for info: Box 212, Roland, MB, R0G 1T0, 204-343-2475.

PERSONAL VARIOUS
5952

DO YOU KNOW an amazing single guy who shouldn't be? Camelot Introductions has been successfully matching people for over 22 years. In-person interviews by Intuitive Matchmaker in MB and SK. www.camelotintroductions.com or phone 204-888-1529.

PETS

THE ANIMAL PEDIGREE ACT
No person shall, without an express statement that the animal's registration, identification or status as a purebred is from a jurisdiction other than Canada and that the animal will not be registered or identified in Canada by the person, sell, as registered or identified, or as eligible to be registered or identified, or as a pure-bred, any animal without providing to the buyer thereof within six months after the sale the animal's duly transferred certificate of registration or certificate of identification. Any person who contravenes any provision of this Act or the regulations (a) is guilty of an offence punishable on summary conviction and is liable to a fine not exceeding twenty-five thousand dollars; or (b) is guilty of an indictable offence and is liable to a fine not exceeding fifty thousand dollars. For further information contact: Canadian Kennel Club Etobicoke, On.

WORKING DOGS
5973

BLUE HEELER BORDER COLLIE cross pups from good working parents, ready to go, \$150. 204-585-2106, Sandy Lake, MB.

REAL ESTATE

COTTAGE/LOTS
6125

LOTS AND CABINS FOR SALE at Sun Hills Resort, Lake of the Prairies, 40 min. East of Yorkton, SK, Phone 306-597-9999 or visit www.sunhillsresort.com

TO BE MOVED: Cabin or hunting cabin, 16x24 square timber, open rafter, w/loft, \$12,000 OBO. 306-240-6003, Dorintosh SK

LAKEFRONT 1324 SQ. FT., year round log cabin at Wakaw Lake, SK. on 1-1/2 lots. Nat. gas heat, AC, car garage and storage sheds, \$450,000. 306-256-7179.

HOUSES/LOTS
6126

FARM LAND FOR SALE BY TENDER

Sealed, written tenders for property in the Municipality of Pembina described below will be received by:

McCULOCH MOONEY JOHNSTON SELBY

351 Main Street, PO Box 279
Manitow, MB. R0G 1G0

PROPERTY:

Parcel 1:
NW 1/4 32-2-8 WPM
(approx. 142 cult. acres);

Parcel 2:
SW 1/4 32-2-8 WPM
(approx. 140 cult. acres);

Parcel 3:
SE 1/4 32-2-8 WPM
Exc the Sly 900' of the Ely 1050'(approx. 120 cult. acres).

TENDERS CLOSE 2PM SEPTEMBER 1ST, 2016.

FOR FURTHER INFORMATION CONTACT LARRY J. SELBY AT:
Ph: 204-242-2801
Fax: 204-242-2723
email: larry@mmjslaw.com

HOUSE FOR SALE to be moved, 2 bdrm, story and a half, ideal for a cabin. Call 306-389-4712, Maymont, SK.

LOG POST AND BEAM shell package for sale. 26'x34' with loft 1220 sq. ft. total. Douglas fir logs. Call 306-222-6558 cell, email jeff@backcountryloghomes.ca or visit www.backcountryloghomes.ca

READY TO MOVE HOMES: just completed, 1,560-sq.ft. home, 3 bdrm, 2.5 bath, master has ensuite bath & walk-in closet, main floor laundry, beautiful large kitchen & island, front covered deck. Call or email for more info **MARVIN HOMES INC.**, Marvin Vogt, Mitchell, MB. 204-326-1493 or 204-355-8484. marvinhomesinc@live.com www.marvinhomes.ca

Ridgeville, MB Land
LOOKING FOR PASTURE
160-acres pasture avail immediately, 2 strand elec. fence w/cross fence, good ponds in each area. Approx 30-acrs bush bal. wild hay. The property is located on gravel rd (22E) 3-mi Douth of PR 201. Call Bryan Nichols - (204)746-5464
Royal LePage Riverbend Realty \$160,000

HOUSES/LOTS
6128

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

MOBILE HOMES
6127

BEST CANADIAN HOMES built by Moduline **Best prices!** 1520 sq.ft. \$119,900; 1216 sq.ft. \$99,900; 1088 sq.ft., \$92,900. Ready for delivery. Custom orders welcome. On-site consultation. Yellowhead Modular Home Sales, 306-496-7538, 306-849-0002 Weekend calls. Personalized service. www.affordablehomesales.ca

2012 MODULINE 20x76 mobile home to be moved. 4 bdrm., 2 baths, open concept living/kitchen. Available immediately. Asking \$115,500. 780-789-2555, Thorsby, AB.

MEDALLION HOMES 1-800-249-3969 Immediate delivery: New 16' and 20' modular homes; Also used 14' and 16' homes. **Now available: Lake homes.** Medallion Homes, 306-764-2121, Prince Albert, SK.

READY TO MOVE
6128

RTMS AND SITE built homes. Call 1-866-933-9595, or go online for pictures and pricing at: www.warmanhomes.ca

RTM SHOW HOMES, awesome quality and beauty! www.swansonbuilders.ca or phone 306-493-7027, Saskatoon, SK.

FARM & RANCHES

SASKATCHEWAN
6133

RM OF EAGLE CREEK #376, Sonningdale, SK. area. 160 acres w/150 acres cultivated, rented out for \$6000/year, balance is mainly yard. Comfortable 2 bdrm home on a basement plus a back and front porch, most furniture included, upgraded panel box, 220 power underground, high efficiency propane furnace, a summer guest house and furniture summer water. Hip roof barn, chicken barn, 55x80 steel quarter w/dirt floor cement footings. Water well 30x40 insulated heated work shop, most tools and equipment, 20x26 wood-working shop insulated, heat and most tools. 2096 Case FWA tractor w/FEL, truck, quad, camper trailer. Agent has full list available. This deal gets better! MLS®568342. For further info, or a full viewing, call Lloyd Ledinski, Wally Lorenz, Re/Max of the Battlefords, 306-446-8800.

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 cult. Full line of farm equipment and sawmill also available Reg Hertz, 306-865-7469.

RM ON KINGSLEY No. 124, 1280 acres (1000 cult., rest is pasture), new well, spring water. Home 3800 sq. ft., fully modern, metal roof, stucco siding, elec. oil and wood heat. All outbuildings nearly new w/metal siding and roofs. 82x40 machine shed, workshop, 2 car garage combined w/wood working shop, 28x40 barn, 20x40 cattle shed, farm yard established 1925 w/large tree'd yard, surrounded by shelterbelt, 2 orchards w/many fruit trees. Contact 306-735-7250 or 306-735-7850.

RM OF BIGGAR #347: Beautiful starter ranch! Immaculate 2304 sq.ft. home on 2 levels plus fully developed bsmt., attached garage, enormous shop 48x80 (32x48 heated w/cement floor). Older hip roof barn, some corral facilities. 2 quarters all pasture, NE 01-35-15 W3, SW 12-35-15 W3, \$699,000. For more info. Call Duane Neufeldt, RE/MAX Saskatoon - Biggar 306-948-8055. www.duaneuefeldt.com

MACK AUCTION CO. presents a Land Auction for Reg and Dale Faber, Thursday, October 20, 7:00 PM, Alameda, SK., Legion Hall. Four quarter sections of pasture and hay land situated on #9 Hwy. South of Carlyle, SK., in the RM Moose Creek #33. Parcel 1: SE-24-05-03-W2, Parcel 2: The following 3 quarters sell as one package with a combined oil SLR of \$9500 annually. SE-31-05-02-W2, NE-31-05-02-W2, SW-31-05-02-W2, 4 water sources, barb-wire fence. For details view website: www.mackauctioncompany.com PL911692

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SPECTACULAR RANCH ON Lake Diefenbaker, 10,670 acres for sale. Prime Sask. real estate. **Tenders closing shortly.** View: www.castlelandranch.com

LAND FOR SALE BY TENDER in RM of Grandview #349. NE-20-35-19-W3, assess. 86,800, 155 cult. acres, 161 total acres; SE-31-35-19-W3, assess. 99,000, 155 cult. acres. 161 total acres; SW-31-35-19-W3, assess. 89,200, 158 cult acres, 160 total acres; NW-31-35-19-W3, assess. 87,000, 157 cult. acres, 159 total acres. Edge Realty Ltd., Brad Edgerton, call 306-463-7357, Kindersley, SK. Visit www.edgerealty.ca for more info.

SASKATCHEWAN
6132

South East Saskatchewan Farm



Nestled in the heart of the Moose Mountains sits a beautiful piece of land with a 4-yr old Custom Built home. This property includes 4 quarters of land with oil lease revenue, a 2,580-sqft + fully finished walkout basement. 5 bdrm, 4 bath home. Custom Hickory cabinets, hardwood & tile throughout, Geothermal Heat & Heated Double car garage. Full wrap around deck to enjoy the beautiful views. 20-mins from Kipling, 35-mins from Carlyle. For more information and to book viewings, Email: kf_arn@hotmail.com \$1,750,000.

AG AND RECREATIONAL land for sale. All offers considered, but not necessarily accepted. For more info view www.agrec.ca

160 ACRES, near Regina, w/yard and business opportunity; 15 acres w/large character home, plus 2nd home on property within 35 miles of Regina or Weyburn on Hwy. #35; 160 acres w/large home, 3 car heated garage, large shop, horse barn, plenty of water, 20 min. NE of Regina. Beside Regina, SK: 3 acre property/ house/greenhouses: Near Pilot Butte, 80 acre development land; 90+ acres, Hwy. #11, 7 miles North of Saskatoon, development; RM Perdue, 2 quarters W. of Saskatoon on Hwy #14; 2 miles East of Balgonie Hwy. #1, 145 acre development land. Brian Tiefenbach 306-536-3269, Colliers Int., Regina, SK. www.collierscanada.com

RM OF MAYFIELD #406, Maymont, SK. Just listed this over 3200 acre mixed farm that offers both grain & cattle operations. Over 66,000 bu. of steel grain storage. Older 3 bdrm family home, 40x50 Belhan quonset w/cement footings, 40x80x18 metal clad pole building for machinery storage, 40x70 metal clad pole calving building, water well & 2 water bowls, mainly 3 wire fences w/treated posts. The property adjoins Hwy #16 to the North and the North Sask. River to the South. What a dream view with the rolling hills and the cattle grazing! MLS®579957. Call Lloyd Ledinski, Re/Max of the Battlefords, North Battleford, SK. 306-446-8800 or 306-441-0512.



South East Saskatchewan Farm
Nestled in the heart of the Moose Mountains sits a beautiful piece of land with a 4-yr old Custom Built home. This property includes 4 quarters of land with oil lease revenue, a 2,580-sqft + fully finished walkout basement. 5 bdrm, 4 bath home. Custom Hickory cabinets, hardwood & tile throughout, Geothermal Heat & Heated Double car garage. Full wrap around deck to enjoy the beautiful views. 20-mins from Kipling, 35-mins from Carlyle. For more information and to book viewings, Email: kf_arn@hotmail.com \$1,750,000.

MANITOBA
6134

RM OF PRAIRIE VIEW near Birtle, MB. Land for sale by tender, SW24-16-27 & SE24-16-27, interested parties must rely on their own inspection of the land, tenders must be received by October 15, 2016, highest or only tender not necessarily accepted, mail tenders to the following address: Wady Farm Inc, PO. Box 459, Birtle, MB., R0M 0C0.

Albert & Olivette Allain St. Laurent are offering the following private land for sale:

- E½ 16-17-4W • S½ 21-17-4W
- S½ 8-17-3W • NE 5-17-3W
- NE 2-17-4W

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:

- NE 11-17-4W • SE 11-17-4W

If you wish to purchase the private land contact the Albert & Olivette Allain, PO Box 123, St Laurent, MB, R0C 2S0

If you wish to comment on or object to the eligibility of this Unit Transfer write the Director, Manitoba Agriculture, Agriculture Crown Lands, PO Box 1286, Minnedosa MB R0J 1E0; or Fax 204-867-6578.



NEAR DUCK MOUNTAIN, river nearby, very scenic. 459 acres, 265 cultivated, 60 acres fenced pasture, 1550 sq. ft. bungalow with attached garage, 30x42' heated workshop plus much more. Florence Komarniski Real Estate, 204-638-3055, Dauphin, MB., or Grant Tweed, Century 21, 204-761-6884.

MOTOR HOMES
6166



1997 SHASTA CLASS C, 28', 7.3 power-stroke diesel, auto, 82,000 kms, \$21,000. Can-Am Truck Export Ltd, 1-800-938-3323, Delisle, SK. DL #910420.

MOTORCYCLES
6167

2004 YAMAHA ROAD STAR 1700, white color, excellent condition. Call or text 306-891-6544, Yellow Grass, SK.

RENTAL/ACCOMODATIONS

APARTMENT/HOUSES
6210

WANTED: FARM COUPLE to spend winter (Nov-March) in our well equipped beautiful home in Saskatoon, SK. References required. Call 306-374-9204.

Hit our readers where it counts... in the classifieds. Place your ad in the Manitoba Co-operator classified section. 1-800-782-0794.

SCALES
6380

ELIAS SCALES MFG., several different ways to weigh bales and livestock; Platform scales for industrial use as well, non-electric, no balances or cables (no weigh like it). Shipping arranged. 306-445-2111, North Battleford, SK. www.eliascales.com

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NOTICE TO SEED ADVERTISERS

The Seeds Regulations prohibit the advertisement or sale of common seed of the major crop kinds by variety name. A variety name may only be applied to pedigreed seed that has been grown, processed, sampled, tested and graded as set out in the Seeds Regulations. Furthermore, seed of unregistered varieties of the crop kinds subject to variety registration may not be sold in Canada even when labelled as common seed.

For more information contact the Canadian Food Inspection Agency, Seed Section at: seedsement@inspection.gc.ca or phone 1-800-442-2342

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RYE
6413

CERTIFIED PRIMA FALL RYE. Hickseed Ltd., Mossbank, SK., Barry 306-354-7998 or Dale 306-229-9517.

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6419

CERT. #1 MOATS red winter wheat, exc. quality. Available now! Big Dog Seeds Inc., 306-483-2963, 306-483-7738, Oxbow, SK.

CERTIFIED MOATS, 98% germ, 89% vigor, 0% fus. gram. Ready for immediate pick up. Call Myles at Fox Family Farm 306-648-8337, Gravelbourg, SK. Visit us on-line: www.foxfamilyfarm.ca

CERT. AC EMERSON winter wheat, rated R to fusarium, good winter survival. Call Fedoruk Seeds, Kamsack, SK., 306-542-4235. www.fedorukseeds.com

CERTIFIED #1 CDC MOATS winter wheat. Hickseed Ltd., Mossbank, SK., Barry 306-354-7998 or Dale 306-229-9517.

WHEAT
6419

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6423

TOP QUALITY CERTIFIED alfalfa and grass seed. Call Gary or Janice Waterhouse 306-874-5684, Naicam, SK.

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6462

BESCO GRAIN LTD. Buyer of all varieties of mustard. Call for competitive pricing. Call 204-736-3570, Brunkild, MB.

MUSTARD SEED! We can supply you with new cert. treated or untreated seed. We can upgrade your low grade mustard. Ackerman Ag Services, 306-638-2282, Chamberlain, SK.

COMMON SEED

CEREAL SEEDS
6482

RYE SEED, bulk, cleaned, good germ., \$9 per bushel. 306-335-2280, Lemberg, SK.

FORAGE SEEDS
6485

TOP QUALITY ALFALFA, variety of grasses and custom blends, farmer to farmer. Gary Waterhouse 306-874-5684, Naicam, SK.

FOR SALE: ALFALFA, TIMOTHY, Brome, Clover, hay & pasture blends, millet seed, Crown, Red Prozo, Leonard Friesen 204-685-2376, Austin, MB.

VARIOUS
6492

NOW Available

COVER CROPS. HICKSEED LTD., Mossbank, SK. Now has on the floor for organic plowdown: Daikon radish (zero till); Hairy Vetch; Austrian Winter peas; Buckwheat; Yellow Blossom sweet clover. Also, green feed blends available. For all your seed needs call Hickseed Ltd. Barry 306-354-7998 or Dale 306-229-9517

FEED MISCELLANEOUS

FEED GRAIN
6505

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Now available for large commercial farms.
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WANTED: FEED BARLEY Buffalo Plains Cattle Company is looking to purchase barley. For pricing and delivery dates, call Kristen 306-624-2381, Bethune, SK.

FEED OATS, for sale, 4% wheat, .06¢/lb. Will deliver up to 150 kms. 306-336-2684, 306-331-8305, Lipton, SK.

FEED GRAIN
6505

ATTENTION

WANTED HEATED CANOLA. No broker involved. Sell direct to crushing plant. Cash on delivery or pickup. 306-228-7306 or 306-228-7325, Unity, SK.

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✓ ON-FARM PICKUP
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✓ LICENSED AND BONDED
SASKATOON, LLOYDMINSTER, LETHBRIDGE, VANCOUVER, MINNEDOSA
1-204-867-8163



WANTED: FEED GRAIN, barley, wheat, peas, green or damaged canola. Phone Gary 306-823-4493, Neilburg, SK.

ATTENTION

NUVISION COMMODITIES is currently purchasing feed barley, wheat, peas and milling oats. 204-758-3401, St. Jean, MB.

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

LARGE QUANTITY OF STANDING OATS, Craik, Sask. area. Call Cliff Luther at 204-685-2222 or view information at www.titantrucksales.com

ROUND ALFALFA/ALFALFA GRASS solid core 5x6 JD hay bales for sale. Call 306-237-4582, Perdue, SK.

1500 large round, heavy hardcore bales trucking avail in 36 bale loads, \$25 & up; 46-ft. hay trailer w/converter; MacDon 10 bale mower. 1-204-345-8532

200 ALFALFA/BROME ROUND bales, 5x6, 1000 lbs., \$47 each loaded. Call 204-256-3271, Winnipeg, MB.

HAY AND STRAW Delivered Anywhere: Now loading and hauling 48 large round bales. Also hauling 90 large square (3 wide in SK. and AB.) Phone or text Hay Vern 204-729-7297, Brandon, MB.

2016 ALFALFA & ORCHARD grass bales, 3x4x8-ft, .04 cents/lb & up depending on quality, reasonable freight, call Alvin 204-355-4980, cell 204-371-5744.

400 BROME/ALFALFA 6x6 round hay bales, .04¢ per lb., no rain. 306-634-7920, 306-421-1753, Estevan, SK.

LARGE ROUND ALFALFA brome mixed hay. Call 306-764-6372, Prince Albert, SK.

APPROX 90 BALES of 2015 3rd cut alfalfa, shedded, tested, good quality; Approx 175 2016 1st cut hay, suitable for beef cattle, all bales are net wrapped, will load; 348 JD square baler, good condition. 204-799-8130 or 204-837-9750.

LONG LAKE TRUCKING, two units, custom hay hauling. Call 306-567-7100, Imperial, SK.

FERTILIZER
6530

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Trafficking risk rises as villagers flee
India’s worst drought in decades

A flood of migrants from rural India are searching for water, food and jobs as they flee arid conditions

BY RINA CHANDRAN
MUMBAI/Thomson Reuters Foundation

A mass migration of tens of thousands of people from rural India, sparked by the worst drought in decades, is fuelling concerns they may be trafficked or exploited.

The migrants are searching for water, food, jobs and other basics of life, activists say.

About 330 million people, almost a quarter of the country’s population, are now affected by drought, the government estimates. Destitute women, children and older family members left behind in the villages are most at risk of exploitation.

“People in the rural areas have always been vulnerable because they want better jobs, better lives,” said Mangala Daithankar at non-profit Social Action for Association and Development in Pune, in western Maharashtra state.

“The drought has aggravated the situation because they are so desperate now. They have absolutely nothing,” said Daithankar, who has worked in the state’s drought-hit Marathwada region for about two decades.

Maharashtra is one of the worst-affected states, with successive years of poor rainfall ravaging crops, killing livestock, drying up reservoirs and forcing farmers into indebtedness that has led to thousands of suicides.

In the state’s Jalna district, scores of villages house only destitute women and children left in the care of older relatives who keep an eye on their homes and parched fields.

“There’s no water, so there are no jobs to be had on the fields and no food to feed their families,” said Vishwanath Todkar at non-profit Paryay in Osmanabad district, which is helping build water management systems in some villages.

“The women and children are particularly vulnerable, as there is no one looking out for them,” he said.

Massive distress

Men and their wives have moved to cities like Mumbai and Pune in search of jobs on construction sites and as day labourers, sleeping under overpasses and on sidewalks. Some have been reduced to begging on the streets, activists say.

Others, with their families, have been lured to work for little money in harsh conditions in one of the hundreds of



Residents wait to fill their containers with water in a field in Latur, India, April 17, 2016. PHOTO: REUTERS/DANISH SIDDIQUI

brick kilns in the state. Many single women and widows have been trafficked into prostitution in the cities.

“Disasters are the ground zero for trafficking,” said Dhananjay Tingal, executive director at Bachpan Bachao Andolan (Save the Childhood Movement), which says it has rescued more than 85,000 children from modern slavery in India.

“Everyone’s so focused on just getting by, that they are easy prey,” he said.

A police spokesman in Mumbai said police had not found cases of drought-related human trafficking but were aware of the rise in migration and remained vigilant.

Prime Minister Narendra Modi has pledged a nationwide drive to conserve water, but activists and economists have slammed the government’s lack of “compassion” on the issue.

In an open letter to Modi, 170 activists, academics and economists said the drought had resulted in “massive distress movement of populations, causing broken childhoods, interrupted education,

“People in the rural areas have always been vulnerable because they want better jobs, better lives.”

MANGALA DAITHANKAR

life in camps, city pavements or crowded shanties.”

In Maharashtra, among the wealthiest states in the country, the drought has not stemmed the flow of migrants from neighbouring Karnataka state and elsewhere, seeking work. The drought has hit an estimated 10 million people in Karnataka.

In some places the drought is spurring the migration of entire families, including the elderly and children who would

traditionally have been left behind, activists say.

“The crisis is by far the worst the region has seen in many years. There is no fodder, no water and no agriculture in the region as of now,” said Amlan Aditya Biswas, regional commissioner in Gulbarga in North Karnataka.

“We are concerned about the spurt in migration,” he said.

The state government is working on building farm ponds and desilting tanks in the hope that the monsoon rains in June will fill them and provide some relief to small farmers, he said.

For now, those left behind in the villages are tending to their fields, digging wells and laying down drip irrigation systems as they await the monsoon rains — which are expected to be above average this year, easing some fears.

“It all depends now on the rains,” said Daithankar. “People will come back to the villages if the rains are good. Otherwise there is nothing for them to come back to.”

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Perennial grain: It’s two crops in one

It’s been a decades’ long search, but researchers believe the finish line is in sight for a crop that can be both grazed and then harvested for its grain

BY AARON HAUGEN
Co-operator contributor/Lethbridge

As concerns grow over sustainability in modern farming, researchers are looking to the past in search of crops that can both meet the needs of farmers and consumers as well as the environment.

Thinopyrum intermedium — commonly known as intermediate wheatgrass — is one of the fruits of that research.

It’s been nearly three decades since researchers at The Rodale Institute in Pennsylvania launched the effort to develop a perennial wheat. They first surveyed perennial grasses and plants to find the best ones to domesticate and then bred lines of intermediate wheatgrass to produce larger seeds, higher yields, and other agronomic attributes. The research then began getting spread around to places like The Land Institute in Kansas, the University of Minnesota, the University of Manitoba, and Agriculture and Agri-Food Canada’s Lethbridge Research Centre.

“I have some of that material out in the field that I’m evaluating from an agronomy crop usage perspective,” said Jamie Larsen, a cereals breeder at the centre. “But I’m also using that material to cross with wheat to produce perennial wheat.”

There’s still some distance to cover before that goal is achieved, but it’s getting closer.

“This year will be our first harvest testing them in row plots to look at yield potential on a larger scale,” said Doug Cattani, a University of Manitoba crop researcher who helped bring intermediate wheatgrass to Canada.

“Right now, we’re looking at 500 to 600 pounds per acre, however, the lines we’re



Intermediate wheatgrass is the skinny cousin to spring wheat but, of course, you can’t graze the latter and then harvest a grain crop later. PHOTOS: USDA-NRCS

producing from are not the best we have for seed production.”

That’s a small fraction of what an acre of wheat produces but intermediate wheatgrass can produce for three or four years before there’s a noticeable drop-off in yield, said Larsen.

And, of course, you can’t graze a wheat field in the spring and harvest a crop off it in the summer.

“There’s a real range of benefits beyond a winter annual,” said Larsen. “After you take the crop off, there are a lot of growing days left that a perennial can grow rather than leaving the field bare until the spring. It’s a competitive plant that can inhibit weeds germinating in the fall.”

Another benefit is the increased ability to use intermediate wheatgrass fields as rotational pasture.

Larsen said the way he sees it working is seeding in the fall and allowing the plants

to establish before turning livestock onto the field. The livestock can graze until the plant stops growing for the winter. Once spring arrives, the wheatgrass greens up earlier than native pasture, so livestock can be grazed earlier. (However, grazing in the spring needs to be done lightly and livestock must be pulled off before any damage is done to the main stalks, as this can affect yields as well as the longevity of the plant.)

“Once you include a grain harvest with grazing in the fall and the spring, you have the most economically viable farming method,” Larsen said.

And there is potential for boosting yields, too.

A lot of Cattani’s work over the past five years has been in finding plants that can survive the severe temperature swings of a Canadian Prairie spring, he said.

“In 2012, we had 20 C days in mid- to late March, and then a -9.5 C day in early April,

“It’s not too far away, but we’re not there yet.”

DOUG CATTANI

approximately 40 per cent of the plants suffered some sort of damage and many did not produce,” Cattani said.

How long perennial wheatgrasses can remain economically viable is “the \$24-million question,” said Larsen.

“We’ve only had good varieties to test with in the past three to four years, so there’s not a lot of research,” he said.

Cattani is looking to start developing large-scale research plots within the next few years to look at long-term production and viability.

But even though commercial production is years away, there’s already a growing interest in the crop from companies, such as General Mills, that are developing sustainability strategies, he said.

“Commercial usage envisioned over the next 20 to 30 years is most likely a sourdough type of bread,” said Cattani, adding it needs to ferment rather than rise with yeast.

But several U.S. restaurants are serving the grain in a fashion similar to naked oats and prairie rice. There’s been success in using it as a pancake mix or blended with wheat flour for muffins as well, he said.

But farmers looking to get in on the ground floor may need to wait a little longer.

“At this point there’s no seed available on the market,” Cattani said. “It’s not too far away, but we’re not there yet.”



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Layer hen rules fuelling scrutiny

The National Farm Animal Care Council is the focus of a recent freedom of information request

BY ALEX BINKLEY
Co-operator contributor

The organization leading Canada’s development of humane livestock production is under the activist microscope.

The National Farm Animal Care Council (NFACC) was recently the focus of a request under the freedom of information legislation. The group says it suspects the move is related to its connection to guidelines for layer hens.

The request relates to correspondence between former Conservative agriculture minister Gerry Ritz and his parliamentary secretary Pierre Lemieux.

NFACC chair Ryder Lee says the organization isn’t opposed to the release of the information, just as it co-operated when a European group called Econ Justice asked questions of three Canadian experts and sought access to confidential informa-

tion about NFACC several years ago. The information didn’t generate a public controversy when Econ Justice issued a report on different national humane livestock practices.

“We believe the information should also be available to others who may wish to see it,” Lee said. “We felt that this was also an opportunity to clarify what NFACC is and does. We expect to be similarly transparent should we be made aware of further requests for information.”

The correspondence released by NFACC covers the organization’s 2005 request for funding and a letter from Ritz to then Liberal agriculture critic Frank Valente in which he says NFACC “has established a model for addressing farmed animal welfare issues that is among the best in the world.”

NFACC represents a diversity of stakeholders, including farm groups, veterinarians, animal welfare groups, animal welfare researchers, governments, pro-

“We believe the information should also be available to others who may wish to see it.”

RYDER LEE
NFACC chair

cessors, food companies, and retailers. Collaboration amongst all stakeholders is critical for making real improvements in farm animal welfare.

Jackie Wepruk, NFACC’s general manager, says the organization is expecting more probes in the future, especially for layer hens, whose treatment has attracted a lot of attention from animal rights groups. A draft care code for layer hens is currently undergoing a public consultation and is available through the organization.

“While the letters don’t contain anything particularly newsworthy, the fact that a group is making an access to information request of NFACC is curious,” she said. “We anticipate more access to information requests and suspect the focus is the layer code. Given that the codes are developed through a robust, consensus-based process that brings together a diversity of expertise on animal welfare, including farmers, veterinarians, animal welfare groups, animal welfare researchers, and many others – we’re at a bit of a loss as to why someone would target NFACC.”

Still, she says, “We know more is coming related to our project for updating codes of practice.”

A new care code for hatching eggs, breeders, chickens and turkeys was released in June. The bison and veal cattle codes are also being updated and are expected to be ready for public comment later this year. A new rabbit code is also under-

way. Dairy, beef and pork have detailed codes.

“We are very fortunate in Canada that our society values collaborative approaches and that we have a history of animal welfare groups working with farmers on animal welfare standards,” Lee said. “We need to treasure and preserve this ability to work together given the pressures to apply one-dimensional solutions to complex issues.”

NFACC describes its role as being the forum “by which farm animal care standards are developed by bringing together diverse groups who need to be part of that decision-making process. The challenging nature of building consensus amongst diverse groups is what makes the process effective; providing an opportunity for improved decision-making and more robust results. Each code undergoes a public comment period to further support quality and success.”

Manitoba 4-H gains greater autonomy

The organization is taking over many responsibilities from the provincial Agriculture Department

STAFF

The Manitoba 4-H Council is taking on a raft of new responsibilities Sept. 1.

It’ll be assuming responsibility for club, member and leader support, 4-H Area Council program support, member and leader records and volunteer screening, taking over from Manitoba Agriculture, something the organization describes as an exciting evolution.

“It’s terrific that Manitoba 4-H Council will be responsible for a bigger role in the delivery of the program,” said Carlie Whetter, president of Manitoba 4-H Council.

Manitoba Agriculture’s position will continue to support the 4-H program in project and resource research and development, technical project expertise and training as well as financial support to Manitoba 4-H Council.

“This is an important step forward for 4-H in Manitoba, and one that reflects our shared commitment to building leadership and capacity among rural organizations,” said Ralph Eichler, Manitoba’s minister of agriculture. “It will be exciting to watch the organization flourish in the future with these new roles and responsibilities.”

Along with the transition, the Manitoba 4-H program is expanding to offer new projects, programs and opportunities for members and leaders. A recent focus on “innovative programming” including science and technology, the environment and healthy living, provincial membership increased by more than five per cent last year.



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COUNTRY CROSSROADS

CONNECTING RURAL FAMILIES

New atlas documents Mennonite history

Two amateur historians pull together a comprehensive record of their communities in the East Reserve



Ernie Braun (l) and Glen Klassen have done everything except the printing for their full-colour book, now in its third printing. PHOTO: SUPPLIED

BY RON FRIESEN
Co-operator contributor

When Ernie Braun was a kid growing up near Steinbach, people often drew their identities from the local villages where they were raised. So-and-so lived just east of Schonsee. Another person came from Alt-Bergfeld. Braun himself was from Friedrichsthal. The individual identities of Mennonites were inextricably tied to the places they came from. Braun, a retired high school teacher, came from a family that took its history seriously. When he discovered an authoritative map of the area had his home village in the wrong place, he decided someone had to do it right. Braun’s rekindled interest in old Mennonite villages led to his involvement in the Hanover Steinbach Historical Society, the Manitoba Mennonite Historical Society and eventually his own historical research. The result was the 256-page *Historical Atlas of the East Reserve*, an illustrated reference book profiling the history of the eastern Manitoba region populated by Mennonite immigrants over 140 years ago. The book, published last year by the Manitoba Mennonite Historical Society, is co-edited by Braun and Glen Klassen, a retired University of Manitoba microbiology professor. The full-colour, coffee table-style volume is an exhaustive compendium of historical

maps and documents, archival photos, settlements, burial plots, aerial composites and written text describing the Rat River Mennonite Reserve, as the settlement was originally called. Besides combing archives for documents and historical information, Braun and Klassen did extensive fieldwork, walking over sites, checking on-the-ground details and documenting them definitively. In the past, local Mennonite histories tended to be dense black and white efforts, heavy on text and light on illustrations. But when Braun and Klassen received a donated set of coloured 1872 survey maps of the region, they decided on a full-colour illustrated format for their book. However, they couldn’t afford a professional layout artist, so Klassen became a self-taught graphic designer, taking care of all the maps. Braun handled the photos and wrote most of the text. Klassen also contributed work on the cemeteries of Hanover municipality, which he had been researching on his own at the time. Between the two of them, Braun and Klassen ended up doing most of the archival and field research, the writing, cartography, book design, proof-reading and marketing. The project, administered by the EastMenn Historical Committee, got underway in 2010. Braun and Klassen began working full time on it in 2012 and continued virtually non-stop until publication in October 2015. Since then,

the book has undergone three printings and sold 600 copies. **Preserving the historical record** Braun says the driving force behind the project was the realization that, if this information weren’t documented, it would be lost forever, along with an important chunk of Manitoba history. “That was one of the primary motivations — if our generation doesn’t do this, most of the sources are either going to get lost, die or disappear,” he said in a recent interview. The book details the village lands and township profiles of the region settled by Mennonites fleeing oppression in Russia. The first refugees arrived by riverboat at the mouth of the Rat River near what is now Ste. Agathe in late July 1874. With them they brought their religion, their language and the names of villages they had left behind. These they transplanted into their new land as they settled and established communities. Recreating church and village life as they had known it in Russia was important for Mennonites, historically a wandering people with no actual homeland, says Conrad Stoesz, archivist for both the Centre for Mennonite Brethren Studies and the Mennonite Heritage Centre. Having a reference work such as this atlas is a way for Mennonites to locate themselves in time and place as “sojourners on this planet,” says Stoesz.

“Our memory is tied to symbols which help us to remember events and people. A place can be a very powerful symbol that connects us to family and formational events in our lives.” Braun and Klassen acknowledge they are not professional historians. Nonetheless, their atlas has been nominated for the Manitoba Historical Society’s Margaret McWilliams Award as best local history of the year. The winner will be announced this fall. The book earlier this year received a Manitoba Day Award from the Association for Manitoba Archives. Combing through obscure historical records unearthed some rare information, such as a (mostly incorrect) map by Henry Jacobson, a spy sent by the federal government in 1888-89 to see how the Mennonites were doing. But the greatest sense of discovery came from readers fascinated by the detail and historical background. Klassen says people would come to him and say, “My grandfather grew up in that village.” Braun recalls a Chinese friend who examined the book and exclaimed in amazement, “My family has 3,000 years of history. We have nothing like this.” In the end, the most important aspect of the atlas may be its legacy as a social history, both archival and personal, according to Klassen. “It’s something my grandchildren will see when I’m gone,” he says.

Bringing all Manitoba’s local histories together

Manitoba Historical Society wants to digitize them to make them widely available and searchable

JOHN SMITH
EDMONTON

The *Historical Atlas of the East Reserve* is the latest addition to a surprisingly large body of local Manitoba history books. The Manitoba Historical Society website (www.mhs.mb.ca) lists over 500 local histories, arranged alphabetically by municipality. Those are the ones MHS knows about. The society believes there may be 1,200 such books out there altogether. Many local histories were published in the 1970s and 1980s after the province, to commemorate Manitoba’s centenary, made grants available for local groups to compile histories of their communities. Much of their content is devoted to families who settled in the region and their descendants. But they also contain information about key institutions in the community: municipalities, schools, churches, businesses and even grain elevators. “These local histories are absolutely invaluable. They contain information that you can find nowhere else,” says Gordon Goldsborough, a former MHS president. To make this information more available to researchers and the general public, MHS has a project called Manitoba 20/20 Hindsight. Its goal is to digitize these local histories to make them readable and searchable online. A group involving MHS, the University of Manitoba, the Legislative Library and the Manitoba Libraries Consortium, is conducting the project. So far about 350 books have been scanned. MHS hopes to finish the project by 2020, the 150th anniversary of Manitoba’s founding as a province. Digitizing these books and their contents is a way of preserving the memories of the people who wrote them, says Goldsborough, MHS’s webmaster and journal editor. “These books help to fill a gap because they were written by people who often are now gone. Therefore you can’t ask them directly but at least you can get the information they have seen fit to record in these books.” To inquire about Manitoba Hindsight 20/20, or to lend a local history book for digitizing, people may contact Goldsborough at gordon@mhs.mb.ca.

COUNTRY CROSSROADS

Prairie fare



Bake onion rings for a healthy taste

Onions provide flavour, vitamins and minerals without adding a lot of calories

BY JULIE GARDEN-ROBINSON

Food and nutrition specialist
NDSU Extension Service



I always will remember the “year of the onions” from my childhood. I helped plant rows and rows of onion sets. I think we must have got a good deal on them.

Usually our onions did not grow to be monster sized, but when harvest time arrived this particular year, we filled the back of our pickup truck with large white onions.

Being a curious kid, I weighed some onions on a scale we had and measured them with a ruler. I was hoping for a Guinness World Records-size onion, but unfortunately, they were not that big. Many were close to five inches in diameter and weighed more than a pound, though.

Everyone who visited the Garden family left with a parting gift (a bag of onions) that fall.

Onions remain a staple in my own cooking. The other day when I arrived home, my husband was grilling an onion bloom. I like when he surprises me with novel recipes that I don’t have to prepare. It was very tasty.

An onion bloom is a large onion cut in a way that it opens during cooking. A grilled onion bloom has far fewer calories than a deep-fried one from a restaurant. You can find a recipe for a herb grilled onion bloom at the National Onion Association website (<https://www.onions-usa.org/all-about-onions>).

Of course, you do not have to grow your own onions to enjoy them. A variety of onions, including white, yellow and red, are sold in the grocery store. When selecting onions, choose firm ones without blemishes or bruises. Bruised areas are more likely to become spoiled.

Onions provide flavour, vitamins and minerals without adding a lot of calories. One cup of chopped onion has about 64 calories, 15 grams of carbohydrate, 2.7 grams of fibre and 4.9 grams of protein. They provide vitamin C, folate and some iron and calcium.

Onions also contain quercetin, which is a natural antioxidant. The combination of fibre, antioxidants and other natural chemicals may



PHOTO: THINKSTOCK

help protect us from heart disease, cancer and other illnesses.

Be sure to store onions in a cool, dry, dark place with good air circulation. You can store them in woven bags, a basket or even a crate. Whole onions can keep for weeks. Store cut onions in a covered container in the refrigerator for up to a week.

To freeze chopped onions, clean them, then chop and place them in freezer bags in recipe-size amounts. Press out air and leave head space. Label bags with the contents and date and seal. Freeze flat on a cookie sheet, then stack the bags.

If you decide to freeze whole onions, the National Center for Home Food Preservation recommends water blanching them in boiling water about three to seven minutes until the centre is heated. Cool promptly and drain. Place in freezer containers, leaving one-half-inch head space. Label with the contents and date, seal and freeze. These are suitable for use in soups and other cooked dishes.

Green onions can be frozen without blanch-

ing, but, of course, they will not be crisp. Peel, wash and chop. Loosely pack and freeze in large freezer bags. Take out as needed.

Finally, if your eyes water during preparation of onions, try chilling the onions for 30 minutes before cutting. Leaving the root end intact, peel the onion. The root end holds the highest concentration of the sulphuric compounds that make you cry.

To freshen your breath after eating onions, the National Onion Association recommends swishing your mouth with lemon water or chewing on a piece of parsley.

Whether you grow your own onions or buy them in a store, here’s a way to use them. This baked onion ring recipe was very popular when my student interns tested recipes. You won’t have to clean a deep-fat fryer in the process of making dinner.

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.



This recipe is a healthy and delicious way to use onions.

Baked Onion Rings

- 11 large yellow onions
- 1/3 c. flour
- 1 tsp. seasoning salt
- 1/2 tsp. chili powder
- 2 c. panko bread crumbs
- 2 eggs
- 2 tbsp. water
- Dipping sauce of your choice (ketchup, barbecue sauce, sweet chili sauce, etc.)

Preheat oven to 450 F. Line a baking sheet with foil and spray with non-stick spray. Peel the outermost layer from the onion and discard. Cut off the ends (sparing as much of the onion as possible) and slice the rest of the onion into thick rings. Separate the rings and place in a bowl of water.

Line up three bowls with these contents:

Bowl 1: Stir together flour, seasoning salt and chili powder.

Bowl 2: Whisk together eggs and water.

Bowl 3: Panko crumbs.

One at a time, place each onion ring in the flour mixture, turning to coat well. Next, dip the onion ring in the egg mixture, being sure to coat all sides. Finally, toss the ring in the panko crumbs to coat. Place on prepared baking sheet. Repeat process with remaining rings.

Spray the rings with non-stick spray (optional, but it helps to get them crispy). Bake rings for 10 to 15 minutes until golden brown. Remove from oven and serve with your favourite dipping sauce.

Makes four servings. Each serving has 230 calories, 2.5 grams (g) fat, 9 g protein, 42 g carbohydrate, 2 g fibre and 450 milligrams sodium.

COUNTRY CROSSROADS

Manitoba’s oxbow lakes

Explore one of these this summer for a great place to study nature

BY DONNA GAMACHE
Freelance contributor

If you’re looking for a good spot to check out Manitoba wildlife and plant life, try exploring around, or on, an oxbow lake.

An oxbow lake is a U-shaped body of water that has formed when a winding river erodes the bank and creates a meander over a long period of time. The meander becomes very curved and eventually the river will break through the neck, usually during a flood. The river will form a straighter channel and cut off the meander. In following years sediments will seal off the cut, forming a horseshoe-shaped oxbow lake. The oxbow may gradually become more slough-like with less water and more vegetation, but if the river floods periodically, more water will renew it.

In Manitoba, the Assiniboine River is particularly noticeable for its meanders and oxbows, some very old and some relatively new. The recent floods on the Assiniboine have in several places cut off fields completely, so that they can no longer be farmed. Others with meanders and oxbows are the Red, Little Saskatchewan and Souris rivers.

Many oxbow lakes are surrounded by fields or pastures, and not accessible to the public, but two easily reached ones, oxbows of the Assiniboine, are located in Spruce Woods Provincial Park. The campground there is located around Kiche Manitou



Muskrat seen at Marshs Lake. PHOTOS: DONNA GAMACHE



Painted turtles can be seen at Marshs Lake.

Lake, and there are excellent walking/biking trails along the lake. On a recent visit there, my husband and I saw several rabbits, numerous bird species, including kingfishers and wood ducks, and a large coyote. White-tailed deer can also often be seen. Early morning is usually the best time to view wildlife, but in the heat of the day you can see painted turtles as they sun themselves on logs along the shore.

Kiche Manitou Lake can also be explored from the water. Bring your own kayak or canoe, or rent a canoe or paddleboat from the concession at Pine Fort IV. If you want to see the turtles, go out during midday, paddle north from the canoe rental and then approach the west side of the lake quietly.

An oxbow lake is a U-shaped body of water that has formed when a winding river erodes the bank and creates a meander over a long period of time.

A second Spruce Woods oxbow is located at Marshs Lake, a little north of the campground, along Highway No. 5. This lake is quieter for watching wildlife, and we saw painted turtles, and a giant snapping turtle. A variety of ducks can be seen, as well as kingfishers, and some years we’ve watched eagles along the north shore, and once saw

an egret. Beaver and muskrats can often be sighted, and this year we spotted an otter.

The Discovery Centre on the north side of Brandon is also located beside an old oxbow, and was developed as a centre for water birds. However, the recent floods have cut back through the oxbow and changed parts of this area.

One of Manitoba’s larger oxbow lakes, and an easily accessible one, is Crescent Lake located right in Portage la Prairie. This is an old oxbow of the Assiniboine River, but it has been maintained as a lake by pumping river water into it. Because it is right in the city, most of the shoreline has been “tamed,” rather than a wild area, but birds are still plentiful, especially geese, pelicans and a variety of ducks. A paved path makes this good for wheelchairs, or less strenuous walks. Canoeing is also possible.

This summer, explore a different part of Manitoba and search out some of these oxbow lakes.

Donna Gamache writes from MacGregor, Manitoba

Raspberries don’t have to be red

Why not try a yellow/gold or purple/black variety?

BY ALBERT PARSONS
Freelance contributor

Many rural gardens have raspberry patches and the first fruits are eagerly anticipated as mid-summer approaches. There is nothing quite like the taste of fresh raspberries picked off your very own patch. Most grown in Prairie gardens are red varieties, with “Boyne” being one of the most popular. The berries are large, sweet, and produced in abundance on the sturdy canes. While most of us will stick with what we know — red raspberries, some of us might like to grow some that are not red, but yellow, black or purple.

Raspberries are categorized into three groups according to colour: red, yellow/gold, and purple/black. Black or purple are perhaps the least common and that is because they are the least cold tolerant. They often do not survive our harsh winters, even when provided with winter protection. Purple/black raspberries send out fewer suckers so maintaining a vigorous patch can prove challenging. They are often larger than red raspberries, the canes are very productive,



Yellow raspberries add unique colour and flavour to any recipe. PHOTO: ALBERT PARSONS

they tend to be firmer, but they are not as juicy. If you do want to try growing black/purple raspberries, the best variety to try is “Wyoming.”

Gold or yellow raspberries are just as sweet as red ones, and quite prolific, and are relatively cold tolerant. They tend to be a bit smaller than many of the red varieties and they are soft and very juicy.

Growing various coloured raspberries will allow you to create wonderfully colourful desserts from fresh berries to preserves.

They do not store or travel well and are best eaten or preserved as soon as they are picked. “Honeyqueen” is one popular variety.

No matter the colour of their fruit, all raspberries need rich loam soil, good air circulation — to ward off mildew problems, and an abundance of nutrients and water. The shallow roots are susceptible to drying out and the plants benefit from regular watering. Fertilizing on an annual basis is also recommended. A light mulch of dead leaves will help to conserve soil moisture, but the mulch cannot be so deep as to retard the development of new growth.

Raspberry roots are perennial but the canes themselves are biennial, so the plants are constantly sending up new growth to replace the two-year-old canes that die after they have finished bearing fruit. The old canes should be removed in late fall or early spring and new canes that appear during the summer should be thinned out so that the canes will not be too crowded. Spacing will depend on the variety grown. Tall one-year-old canes can be cut back a bit in spring. These will be the fruiting canes. This pruning will prevent the canes from falling over and will make picking much easier. Support can be provided by sturdy posts to which strong wires are attached.

Growing various coloured raspberries will allow you to create wonderfully colourful desserts from fresh berries to preserves. Jelly made from black raspberries has a vibrant dark colour and a golden raspberry pie has a pleasing appearance and sweetness. Perhaps you will experiment with growing coloured raspberries in your garden next year by planting some canes this fall.

Albert Parsons writes from Minnedosa, Manitoba

COUNTRY CROSSROADS

The view from my wheelchair

My temporary experience makes me more aware of what life can be like for those with a permanent need

BY SHIRLEY CASE
Freelance contributor

It is an interesting change of focus, an enforced child's-eye view of the world, from a wheelchair. Handy sometimes, like when looking for something on the third shelf of the pantry cupboard or in the back of the bottom shelf of the fridge. Otherwise, I feel almost invisible, as conversations swirl above my head, behind my back and all around me, but seldom are directed to me.

I'm puzzled by the reaction of many people. They look at me, through me, over me and away. My husband and I met a man in the grocery store who I've known all his life, having taught him in Grade 1. He said hello to my husband. But to me? Not an acknowledgment of any sort.

One memorable experience when I first began using the wheelchair happened in my financial institution. I had an appointment with an investment adviser. When she came out to greet us, my husband pushed me into her office. She asked, "Did you want your son to stay?" My SON! Sitting in a wheelchair makes you grow immediately OLD??

Some people, (thank you!), if circumstances allow, pull up a chair beside me and we have *A Conversation*. What a delightful change. I am Here. I am Real. I am Not Invisible. I am Me.

To compound my problem, I also had vertigo. Even looking up briefly brought on dizziness, so I too had to make eye contact and then look back down before everything whirled out of focus. I would explain what was hap-



PHOTO: THINKSTOCK

pening, but for many people, I had already lost their attention. It was too much bother to try to understand, so they would move on.

For me this condition is not permanent, but I empathize with others who are challenged by life in a wheelchair.

I have also learned much about the problems with some handicapped-accessible facilities, especially washrooms and heavy doors. On the other hand, many buildings have very accommodating facilities, including lowered mirrors so I could see more than the top two centimetres of my head.

Sidewalks can be another challenge for wheelchairs, especially in winter. For some, they can be a challenge every day. Even in summer, now I am walking with just a cane, I am very intent on the uneven surface which I have to navigate.

Viewing the world from my wheelchair has been an experi-

ence which has made me more empathetic for those to whom this is a permanent necessity. I will be more helpful and friendly to other people I meet in the future. I will also "pay forward" some of the assistance I have received from total strangers, those who held doors for me, smiled with encouragement, brought me a grocery cart, pushed my wheelchair when I was stuck in a doorway, waited patiently behind me as I made slow progress down a hall, moved chairs and small children out of my way in restaurants, offered to carry whatever I had in my hands or made me feel welcome in their place of business. They have my sincere thanks. It does make me appreciate once again "friendly Manitoba."

Shirley Case is an almost 85-year-old freelance writer. She and her husband still live on the farm southeast of Portage la Prairie, Manitoba.

READERS' PHOTOS



Lots of blossoms to choose from for these busy bees.
PHOTO: TIFFANY WOLLMANN



Barn south of Olha, Manitoba. PHOTO: CINDY MURRAY

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.



There were two chocolate-brown elevators at the Dutton Siding, on the CNR Togo Subdivision near Gilbert Plains, when this photo was taken in 1964. The UGG elevator at right had been built in 1920 and its annex was added in 1940. The left elevator was built by Paterson Grain before being sold in 1925 to Manitoba Pool. It was traded to UGG in late 1971. Between October and December 1976, both elevators were closed and later demolished. PHOTO: AGRICORE UNITED ENGINEERING DEPARTMENT, TOM PRICE (MGR), PROVIDED BY GLENN DICKSON

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