ARABIAN DAYS

Brandon hosts a national Arabian horse show **PG 15**



FOOD SAFE

New health guidelines for community dinners » PG3



Manitoba Co-operator

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KAP, APAS seek meeting with Transport Minister Marc Garneau

Consultations on amending the transportation act end Sept. 16 and farm leaders say the minister needs to hear directly from farmers

BY ALLAN DAWSON

Co-operator staff

Then the then newly elected Liberal government promised further consultation on changes to the Canada Transportation Act, farm groups reacted with relief.

Now that relief is turning to frustration and worry.

Neither the Keystone Agricultural Producers (KAP), Manitoba's general farm organization, nor the Agricultural Producers Association of Saskatchewan, have met with Transport Minister Marc Garneau, even though he pledged to consult farmers.

Even worse, says APAS head Norm Hall, it appears officials advising Garneau don't even realize farmers are being overlooked.

See **KAP** on page 6 »

PEDv vaccine on horizon but biosecurity still key

A PEDv vaccine, field tested during the recent Manitoba outbreak, still needs to be registered in Canada



 $\label{thm:photo:thm:pho$

BY SHANNON VANRAES

Co-operator staff

anadian pork producers are one step closer to having a powerful new tool in the fight against porcine epidemic diarrhea.

A vaccine developed by the Vaccine and Infectious Disease Organization-International Vaccine Centre, also known as VIDO-InterVac, at the University of Saskatchewan has entered its final phase of testing.

But while the vaccine is a much needed firewall for Prairie pork producers, Andrew Dickson of the Manitoba Pork Council cautions the vaccine won't be a panacea for preventing the virus that causes the disease.

"Our members are very excited at the possibility of having a vaccine that will protect our herd from this disease," Dickson said. "But that doesn't mean we can relax our biosecurity. What it does is provide an additional line of defence, it doesn't mean we can give up worrying about border crossings and trailers or stop worrying about assembly yards."

Making sure that any vaccine that becomes available is effective is also important, he said, but added that even an efficacy rate of 80 or 90 per cent would have a big impact when it comes to controlling the spread of the disease.

"With our herd being essentially naive, this offers a significant amount of protection, even with say 10 per cent of pigs left unprotected," Dickson said.

"Our members are very excited at epossibility of having a vaccine that ill protect our herd from this disase," Dickson said. "But that doesn't "You need a big pool of animals for this to spread, so the more pigs that are vaccinated successfully, the harder it will be for the disease to spread."

Using its new containment Level 3 facility, VIDO-InterVac was able to successfully demonstrate that up to 100 per cent protection could be provided using the vaccine, which relies on the spike protein, something researchers have long been convinced is what allows the virus to initiate the infection of the host pig.

VIDO-InterVac's research director, Volker Gerdts, said that about 700 sows in three commercial operations have now been vaccinated and brought back to the research centre. Piglets from these sows have now been

See **PED** on page 6 »

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A youth dairy event in Brandon gave attendees a chance to meet other young dairy producers

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DID YOU KNOW?

Eat your package

Edible packaging could reduce waste and improve food storability

BY ALEX WHITING

Rome/Thompson Reuters Foundation

cientists are developing an edible form of packaging which they hope will preserve food more effectively and more sustainably than plastic film, helping to cut both food and plastic waste.

The packaging film is made of a milk protein called casein, scientists from the U.S. Department of Agriculture said at a meeting of the American Chemical Society.

The milk-based packaging does not currently have much taste, but flavours could be added to it, as could vitamins, probiotics and other nutrients to make it nutritious, they said.

The film looks similar to plastic wrapping, but is up to 500 times better at protecting food from oxygen, as well as being biodegradable and sustainable, the researchers

"The protein-based films are powerful oxygen blockers that help prevent food spoilage. When used in



Almost all food is packaged, creating a lot of waste. But what if that packaging was edible? PHOTO: FRED MEYER/CREATIVE COMMONS

packaging, they could prevent food waste during distribution along the food chain," research leader Peggy Tomasula said in a statement.

Between 30 and 40 per cent of food produced around the world is never eaten because it spoils at some time after harvest or during transport, or gets thrown away by shops and consumers.

Halving food waste by 2030 was included as a target in global development goals adopted by world leaders in

The U.S. scientists also want to reduce the amount of plastic that is thrown

"We are currently testing applications such as singleserve, edible food wrappers. For instance, individually wrapped cheese sticks use a large proportion of plastic we would like to fix that," said Laetitia Bonnaillie, coleader of the study.

READER'S PHOTO



PHOTO: EVA KRAWCHUK

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New guidelines for community suppers published

Manitoba's chief public health inspector hopes to silence the critics who say food safety rules are too prohibitive

BY LORRAINE STEVENSON

Co-operator staff

A new provincial guideline for safe food preparation at community dinners should help their hosts know what the public health inspector expects, says the province's chief public health inspector.

He also hopes the *Community Dinner Guidelines* now posted on Manitoba Health's website, helps allay concerns that public health inspectors' food safety requirements are making it too difficult to host these events, said Mike Le Blanc.

These guidelines are not difficult to meet. They're practical and commonsense procedures for safely preparing food served to the public, Le Blanc said.

"We were hearing a lot of feedback from people saying community dinners or fall suppers are really difficult to host because the rules are so strict," he said.

"That's why we put this out there, just to clarify things and to dispel any rumours and myths about what our requirements are."

The document defines a community dinner as any event where non-professionally catered food is served, including church suppers, potlucks and fall suppers

One section of the guidelines refers to where any potentially hazardous food, or ingredient — foods that contain milk, meat or poultry — should be prepared in a facility that has a food safety permit. The Manitoba Agriculture website has a list of these permitted kitchens on its website

That recommendation is there because it's generally more difficult to cook large quantities of these foods in a private kitchen and keep these foods at a safe holding temperatures, Le Blanc said.

"A commercial facility usually has better equipment for producing large volumes of food," he said.

However, inspectors also recognize that fall supper preparation involves volunteers cooking turkeys in home kitchens and transporting them to these suppers.

"We realize there is a history of this across Manitoba for generations," he



Manitoba's chief public health inspector says community suppers have a good food safety track record and new guidelines will help make the standards clear to organizers. PHOTO: SHANNON VANRAES

"We were hearing a lot of feedback from people saying community dinners or fall suppers are really difficult to host because the rules are so strict."

MIKE LE BLANC chief public health inspector

said. "We also recognize that this goes on and we're trying to give best advice and guidance on how to prepare it safely."

The guidelines also lay out proper procedures for transporting hot foods — in insulated containers or wrapped in foil and heavy towels to maintain food at 60 C (140 F) or hotter — with temperatures verified with a probe thermometer and written records of measured temperatures kept.

Other recommendations in the guidelines are that at least one of the event's co-ordinators take an approved food handler course. The guidelines also lay out proper procedures for serving prepared food, food storage, dishwashing, handling leftovers, and personal hygiene for food handlers.

Any inspector visiting one of these events is looking for things like preparers or servers touching food with bare hands, and other matters such as dishwashing procedures or foods being left too long on counters.

Foodborne illness outbreaks associated with these community dinners have been infrequent, Le Blanc said, adding that's a sign those who host these events are doing the right things now.

"I think the fact that we don't have them happen all that often speaks to the

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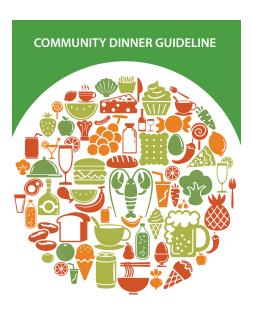
STAFF

As of press time, Canada Post and its workers were still negotiating contract terms with the help of a mediator, but there continued to be risk of a service disruption.

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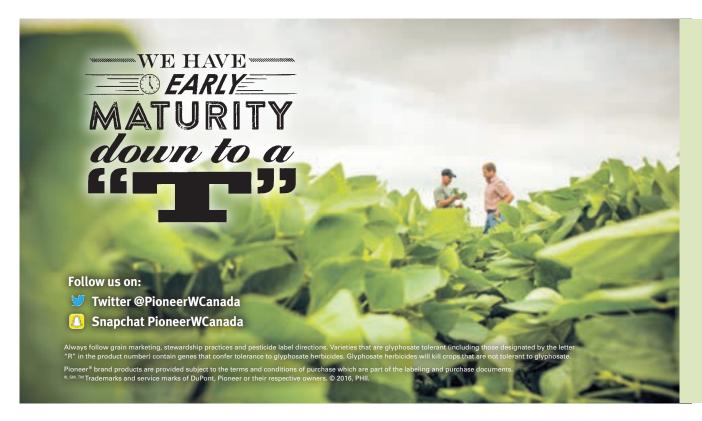


fact that most of these places are really following the rules already," he said.

He said he hopes dinner hosts will familiarize themselves with the guidelines, and if they want clarification on something in them to contact their local health inspector who will be happy to answer their questions.

Phone numbers for all offices of public health inspectors are included in the document which can be downloaded at: https://www.gov.mb.ca/health/publichealth/environmentalhealth/protection/docs/community_dinner.pdf.

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OPINION/EDITORIAL

Called out on our dirty little secret



Laura Rance Editor

he world is full of customers who think they are special.

They are the people who send their meal back in a restaurant if it isn't cooked to their liking, or the ones who brag about never paying full price for anything.

If truth be told, even a few farmers have used their scale or long-term loyalty as leverage to extract a little better deal from their suppliers. In business, that's considered astute.

Whether they get away with it depends on their ability to go without or take their business elsewhere. Likewise, if the supplier doesn't need their business, they get shown the door.

The only thing science based about it is psychological — the dynamics of finding equilibrium in that see-saw of power between buyers and sellers.

So it is a little surprising to see the leadership in Canada's canola industry beating the "science-based" drum in the ongoing spat over the amount of dockage China will accept in the canola it buys from Canada.

Canada's biggest export customer for canola seed, the one that buys 40 per cent of what gets sold offshore, is saying it will only buy canola that has less than one per cent dockage as of Sept. 1. The current export maximum is 2.5 per cent.

Chinese officials cite the risk of importing the blackleg disease in the dockage, something Canadian officials dispute. Trade observers suggest it has more to do with the fact that the Chinese have stockpiles of oilseeds right now.

Either may or may not be so, but the fact is, it doesn't much matter.

By focusing on whether dockage can transfer the disease to another continent, the Canola Council of Canada and the grower groups writing letters are missing the point.

It is also disingenuous to suggest meeting China's demand can't be done.

The "dirty little secret" of Canada's grain export system is that dockage is routinely added back into the cargo holds to bring levels back up to near the maximum 2.5 per cent allowed for commercially cleaned grain. That implies the system is capable of cleaning it to well below that standard. The Canadian Grain Commission measures dockage in increments of .1 per cent. The commission's statistics for dockage in canola during the crop year just past averaged below two per cent.

Farmers routinely complain that the dockage in the grain they deliver is well below the maximum, yet they still get charged for "cleaning."

In short, we have the technology. Some exporters have already started making sales under the new terms. The fact that it is achievable negates the suggestion that this is a non-tariff trade barrier.

Does it add extra cost? Absolutely. Instead of getting 97.5 per cent of the canola it's paying for, this customer is essentially saying it wants to get 99 per cent. That's going to come out of somebody's pocket. That 1.5 per cent either gets absorbed by the seller or collected from the buyer.

Chances are, farmers haven't been getting that 1.5 per cent anyway. The question of who captures the value from dockage management in Canadian grain shipments has always been a bit muddy. That said, chances are equally high that grain companies will pass along these "extra" cleaning costs to farmers. So farmers' unhappiness with this development is justified

There is also the issue of blackleg itself. Rather than make the adjustments necessary, namely extended rotations, to keep this disease at bay, the industry has decided it is more economic to continue its push for volume and rely on fungicides to keep it under control. It would seem that choice has some unintended consequences.

The biggest fear within the canola trade appears to be that other customers will embrace China's shrewdness, which will undermine Canada's competitiveness in the export market. "Accepting costs without scientific justification today tells others we'll accept it in the future," says the letter from canola grower groups. You can find the full text on page 5.

We expect the industry to protest this customer specification with all its might. But dragging the prime minister into what is essentially a contract dispute and tying it to Canada's future trade with China, as indicated by Trade Minister Chrystia Freeland last week, is counterproductive to this country's broader trade agenda.

Frankly, the bigger risk to Canada's export competitiveness will be its unwillingness to adjust to customer demands. This country is positioning itself as a world-class exporter and yet it acts as though customers owe it their business.

When an important customer asks for special treatment, the question of compliance really comes down to how badly they want what we have to offer, and how badly we want — and need — them as a customer.



Food manufacturing a bright spot in Canadian economy

BY CRAIG KLEMMER

Farm Credit Canada

anada's manufacturing sector has been faced with a number of challenges over the past 10 years: A super-cycle in commodity prices, which caused fluctuations in the value of the Canadian dollar and hurt our competitiveness. Slowing labour productivity and aging infrastructure has resulted in tough decisions on plant investment. All of this is occurring at a time when foreign competition is emerging.

Despite these challenges, food and beverage manufacturing continues to shine in this difficult economic environment.

In between the commodity booms, the world economy went through a financial crisis that has hampered world growth and created volatility in currency values. Interest rates have also declined and remained near historic lows.

In the midst of this volatile economic environment, Canada's manufacturing sector slowed. Economic activity reached a low in mid-2009. It has rebounded somewhat, but the gross domestic product (GDP) in overall manufacturing remains 10 per cent below the 2004 level.

The economic weight of Canada's food and beverage manufacturing sector has followed a different path: It has weathered the macro challenges significantly better, with GDP being nearly 23 per cent higher in 2016 compared to January 2004 levels.

Based on growth through May, the food and beverage manufacturing sector is expected to grow 2.6 per cent in 2016 while manufacturing is only expected to expand 0.5 per cent in 2016. According to the Bank of Canada, Canada's overall economy is expected to grow 1.3 per cent in 2016, more than one per cent

slower than the food and beverage manufacturing sector.

The growing importance of food manufacturing can also be seen in a breakdown of manufacturing employment numbers.

Between 2004 and 2016, average monthly manufacturing employment has decreased 22 per cent, partly because of mechanization, but also due to the decline in economic activity. In comparison, the decline in employment has only been seven per cent in the food and beverage manufacturing sector.

Consequently, employment in food and beverage manufacturing as a per cent of total manufacturing has increased from 14 per cent in 2004 to 17 per cent in 2015. The food and beverage manufacturing sector is a bigger employer than the auto manufacturing sector and any other sector of manufacturing.

These positive trendlines for food manufacturers and exporters are expected to continue into the future.

The value of Canada's food and beverage manufactured exports continues to increase, having grown an average of 4.5 per cent per year from 2004 to 2015, while total manufacturing exports increased an average of 1.5 per cent per year.

Canada's food and beverage manufacturing sector continues to shine. And that's despite global disturbances that put a dent in overall Canadian economic performance. Growing food demand abroad and evolving food preferences at home will bring many opportunities for Canadian manufacturing to grow more in the future. And the entire agri-food supply chain will benefit.

Craig Klemmer is a senior agricultural economist with Farm Credit Canada, specializing in monitoring and analyzing the economic environment and industry risk analysis.

OUR HISTORY: September 1948

rossword enthusiasts may wish to have a go at this Manitoba Cooperative Wholesale ad from our Sept. 2, 1948 issue.

During the Second World War, farmers had been encouraged to raise hogs for the "Bacon for Britain" program, and a brief article in the issue reported that the British were happy with the product. A Canadian government representative had visited butchers in Manchester, who said that "retailers are more enthusiastic over Canadian bacon than ever before."

The story said, "Behind this encouraging news is the accomplishment of Canadian farmers in producing a lean bacon hog; the vigilance of the Dominion Department of Agriculture in its inspection, and in its efforts to promote a milder cure; and the co-operation of the packing industry in preparing properly cut Wiltshire sides."

We reported on the successful first year of the Manitoba Federation of Agriculture and Co-operation permanent camp at Clear Lake, listing the names and towns of all 118 campers from nine to 30 years of age.

A field day was scheduled for Sept. 11 at the Morden Experimental station, and there was to be the latest report on the use of 2.4-D in controlling

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Station, and there was to be the latest report on the use of 2,4-D in controlling weeds in crops and pastures. Listeners to the CBC noon farm broadcast received good news that reception would be improved by installation of a new 50,000-watt transmitter at Carman.

We also reported that the RCMP was issuing special permits to farmers to use firearms to control water-fowl damaging crops.

COMMENT/FEEDBACK

The last free trader in America

Only the soon-to-be-former president is still an unalloyed supporter of free trade agreements

BY ALAN GUEBERT

Farm and Food File

an trade — free, fair, or otherwise — get some love this election season? Fat chance.

In fact, the only national politician foursquare in favour of global trade and its latest multi-nation deal, the Trans-Pacific Partnership, or TPP, is no one anyone could have seen in that role: Barack

Holy cow, what's next; the Chicago Cubs in the World Series?

Perhaps, and if so, that Chicago team, the Cubs, probably has a better chance to win in October than the other Chicago team, the Obama White House, has at winning in November when the president hopes to move TPP through an increasingly reluctant Congress.

Political rust bucket that it has become, TPP's slow sinking isn't due to just presidential sniping. If it goes down, other trade traitors will have had a

For example, Republican Sen. Pat Toomey, locked in a tough re-election bid in Pennsylvania, denounced TPP in mid-August while trolling for blue-collar votes. It was a stunning turnaround for Toomey, the former president of the Club for Growth, big business's most ardent free trade lobbying group.

Toomey may be a turncoat but he isn't a stupid turncoat. He, like many other politicians sense that this complex, 12-nation trade deal — like free trade

"The world — and international trade deals — had got smaller."

itself — has lost value with American rank-andfile workers and, just as importantly, white-collar

This isn't new. The World Trade Organization's Doha Development Round began in 2001 with 2005 as its target date for completion. After endless sessions of ceaseless talking, negotiations turned belly to the sun last November in Nairobi (at the ripe age of 14) without a final deal.

Doha's collapse, in truth, arrived years earlier without anyone recognizing that. The template, NAFTA, or the North American Free Trade Agreement, was already in place and an alphabet soup of other regional deals (CAFTA, KORUS) and other nation-to-nation deals (Australia, Israel, Panama, Peru...) soon followed even as the Doha yakkers continued to yak.

In the meantime, the small deals got bigger and the big deals got smaller.

But TPP bucks that trend; it's big and getting bigger. For example, can anyone possibly know what TPP's 18,000 tax changes mean for American farmers, companies, and sovereignty in a deal that includes 11 other nations and 40 per cent of the world's existing trade?

The answer is, of course, no. Not now, not ever.

Moreover, even those who claim to have some insight often confess that when they view TPP over the next 15 years, the deal's implementation period, its down-on-the-farm effect will be, at best, marginal and, at worst, virtually invisible.

For example, in its Feb. 2016 analysis of TPP, the unabashedly free-trading American Farm Bureau Federation (AFBF) said the deal would bring "increases for corn (five cents a bushel), soybeans (12 cents per bushel), wheat (two cents per bushel)... and... cotton prices are not projected to change..." (all figures U.S. currency).

Golly, a nickel, 12 cents, two cents, and, well, nothing — and that's if everything works as AFBF forecasts. Sure, that'll happen.

In truth, it's far more likely that American farmers will get a bigger market bump out of one wheatsoaking April rain in Kansas or a warm, dry July in Indiana than TPP will or can ever deliver.

The AFBF all but confirms this outlook in its report's bottom line: "After... full implementation net income should be \$4.4 billion higher with U.S. ratification than without.'

If that \$4.4-billion yearly boost to U.S. net farm income does materialize over the next 15 years, it will be roughly equivalent to the \$4.2 billion more U.S. taxpayers will send to American farmers in direct farm program payments this year than just two years ago.

In their analysis of TPP, however, neither the AFBF nor the Obama White House estimated just how many American farmers and ranchers will be around for its paltry payday.

We welcome readers' comments on issues that have been covered in the Manitoba Co-operator. In most cases we cannot accept "open" letters or copies of letters which have been sent to several publications. Letters are subject to editing for length or taste. We suggest a maximum of about 300 words.

Please forward letters to Manitoba Co-operator, 1666 Dublin Ave., Winnipeg, R3H 0H1 or Fax: 204-954-1422 or email: news@fbcpublishing.com (subject: To the editor)

Standing up for science-based rules

Editor:

Harvest in Western Canada has started and uncertainty about canola seed exports to and everyone in the Canadian grain and oilseed industry needs to understand what's at stake. Accepting Chinese demands for less than one per cent dockage, without a science-based reason, has long-term implications for the future competitiveness of our

Over the past 6-1/2 years, the Canadian canola industry has been working with the Chinese to address their concerns that blackleg could be transferred from Canadian canola to China's canola (rapeseed) crop. Canada has invested millions in research to understand where the risk might be and how to lower it. Actions have already been taken by both countries to lower this - such as limiting Canadian shipments to areas in China that don't grow rapeseed. Now, the Chinese government wants to limit dockage to less than one per cent because it says dockage could transmit blackleg to its crops.

But there's a problem. There's no evidence this would have any impact on the risk of blackleg. Achieving one per cent dockage in canola creates extra costs - especially on the large volumes of seed that China takes. About 40 per cent of our seed exports go to

The Canadian grain-handling system is designed to move large volumes of grain from farm to port. Lowering dockage requires time and equipment. With many crops going through the same grainhandling system, extra time cleaning canola impacts all crops.

It would be easy to say that grain handlers should clean canola more. This would be short sighted and miss the impact it would have on growers' long-term profitability.

Meeting the Chinese demand for less than one per cent dockage means that Canadian canola is having costs imposed on it that are not imposed on other oilseeds from other countries. These costs are first seen by grain handlers, but they will also be felt by growers.

While some shipments from some companies may be achieving premiums to cover these costs now, the costs of meeting it on an industry-wide basis for four million tonnes of canola would be significant. It's hard to see how premiums could be being sustained on four million tonnes. The canola industry including growers will be forced to pay this

This is why resolving this issue is critical to not only canola but the entire Canadian agriculture industry.

As an industry, we need to look further down the road than the next trade. Accepting costs without scientific justification today tells others we'll accept it in the

Brian Chorney Manitoba Canola Growers Association Director - Canola Council of Canada

Terry Youzwa Chair – SaskCanola Past Chair – Canola Council of Canada

Chair — Alberta Canola Producers Commission Director — Canola Council of Canada

President - Canadian Canola Growers Association Director - Canola Council of Canada

Brett Halstead

Have a safe harvest

We're in the heart of the most dangerous time of year on Canadian farms

BY CAM DAHL, PRESIDENT

Cereals Canada

all is a special time for ◀ farmers. It has always been my favourite time of year. But fall is also filled with long hours, large equipment and

lack of time as frost and rain loom ahead. This can be a dangerous combination.

Sometimes we have the tendency to give lip service to the notion of common sense and being safe on the farm. We think we are paying attention, and that accidents or injuries will not happen to us. But the facts do not back up these beliefs.

Agriculture is an inherently dangerous industry. Large equipment is essential on a modern farm. Over time, the risks become part of the routine. We stop paying attention. In a rush, we take shortcuts and park common sense, just for a moment. Those brief lapses have meant many trips to the emergency room, or worse.

How many of us have been to farm meetings, or even the local coffee shop and looked around at our friends and neighbours who were limping, wearing slings or casts? Or know that tough guy who does not go in for stitches? We shrug and say: "That's farming." But our industry's safety record is more than just bumps and bruises - the toll on families from farm accidents is large.

This is a time of year when the most farm accidents happen. July, August and September are the most dangerous months on the farm. We are busy. Whether the year is a success or failure is often decided in the next few weeks. Hours are long and we are often

This is when we may take shortcuts. We don't put the shield back in place (just have to take if off again anyways). We try to unplug equipment before shutting it down completely. We stop paying attention.

This brings up the single biggest piece of safety advice that anyone can offer: slow down! Take the time to ensure that whatever you are doing is being done safely. Sometimes this will mean that a section does not get combined tonight or repairs will have to wait. But getting home in one piece is more important.

After making safety a priority for you, take the time to ensure it is a priority for your family and for your hired workers. Sit down and talk about safety on the farm. We must continue to work together to build a strong culture of safety on every farm.

And don't forget about the dollars and cents arguments around farm safety. If you or another key player on your farm gets injured, it can have serious economic consequences for your operation. Your replacement won't have your wealth of knowledge about your operation, or work as efficiently.

I wish every farmer in Canada a productive and enjoyable fall season. But above that I hope you have a safe harvest.

FROM PAGE ONE

KAP Continued from page 1

"We spoke to someone at Transport Canada and she said, 'oh, we thought the elevator association spoke for producers,'" Hall said. "At that point I lost it.

"I think regardless (of whether we meet with Garneau or not) we will be a little bit nervous (about the outcome) because Transport Canada seems to be — how should we say it? — unduly influenced by the railroads. The railroads have a pile of money and one of them happens to be in the minister's home riding."

To cite just one example of how consultation has played out, Garneau held a Trade Corridors to Global Markets meeting in Toronto May 24 attended by 12 officials. No farmer or grain company representatives attended.

The grain sector knew there would be meetings, but it wasn't widely known where or when. Both Hall and KAP president Dan Mazier were surprised to learn about the final meeting the day before it took place and taken aback they weren't invited.

More recently Garneau held his last consultation meeting in Winnipeg July 21 and the formal consultation process wraps up Sept. 16.

Submission can be made before then via email (TC. Transportationfuture-Lefuturdestransports.TC@tc.gc. ca), online through Transport Canada's feedback forum or on Twitter and Facebook.

Farmers and grain companies have claimed for years the



APAS president Norm Hall says producers haven't got through to the transportation minister yet.

railways are essentially regional monopolies. Grain shippers say due to a lack of competition, railways don't invest in surge capacity, often resulting in poor service. The poster child for that dynamic is the 2013-14 crop year, when a record crop backed up on farms. University of Saskatchewan agricultural economist Richard Gray estimates it cost farmers as much as \$6.5 billion in lost economic opportunities. Others point out the situation was a black eye for Canada's international reputation as a reliable supplier of high-quality grain exports.

KAP, APAS and other grain industry officials, including the Western Grain Elevators Association (WGEA), met with Agriculture Minister Lawrence MacAulay in Winnipeg July 18. APAS met with MacAulay and senior Saskatchewan Liberal MP Ralph Goodale in Regina Aug. 18.

KAP, APAS and WGEA



Prairie farm groups feel like Marc Garneau, the federal transportation minister, needs to hear first hand from farmers how rail service affects their businesses. PHOTO: LIBERAL PARTY OF CANADA

stressed the maximum revenue entitlement (MRE), which protects grain farmers from excessive rail freight rates, must remain. KAP and APAS said railway grain-shipping costs, which are part of the MRE formula, needs updating. All three want grain-shipping data collection to continue, and funding runs out next year. And they all also want the railways subject to penalties when they fail to meet service agreements and the power for the Canadian Transportation Agency to step in when grain shipping goes awry, rather than waiting for a shipper to file a complaint.

KAP and APAS also want to deliver that message directly to Garneau, their respective presidents, Dan Mazier and Norm Hall, said in interviews last week.

"No disrespect to Ralph (Goodale) and MacAulay," Hall said. "I am sure they will be great advocates for agriculture, but I think the (Transport) minister needs to hear from producers themselves.

"In his (Garneau) mandate letter he is told to work with ag and consult with producers."

The theme for Garneau's final meeting July 21 was "Trade Corridors to Global Markets." Sixteen people from varying industries attended, including a CP Rail offical and four from the grain sector. Two were grain company officials — Curt Vossen, president and CEO of Richardson International (representing the WGEA) and G3 CEO Karl Gerrand. The other two were Greg Cherewyk, COO of Pulse Canada, which represents the pulse exporters, processors and farmers and Art Enns, president of the Prairie Oat Growers Association.

"It was those specific commodities, it wasn't agricultural producers' views (represented), and that is why we are so strongly advocating to get in front of the minister to tell him 'here is how this is going to impact farmers... here are the things that we need changed,'" Mazier said.

A Transport Canada official didn't answer when asked in an email if Garneau will meet with KAP and APAS, and if not, why not?

KAP and APAS haven't given up. Transport Canada officials will meet with officials from Canadian Federation of Agriculture, KAP and APAS in Winnipeg Sept. 6, Mazier said. It looks as if officials want to ensure KAP and APAS warrant a meeting with Garneau, Hall Harper government appointee David Emerson consulted with Canadians for almost a year on how the transportation act should be amended. The "Emerson Report" was released by the Trudeau government in February. One recommendation is to modernize and then phase out the MRE — something most farm groups and the WGEA oppose.

Transport Canada officials will summarize the consultations and Garneau will share it with his provincial and territorial counterparts this fall when they discuss Canada's transportation system.

According to one industry official the department will prepare a report on amendments to the act for cabinet in December. Presumably the government will respond to the Emerson report in the new year and announce legislation.

At committee stage Canadians will get another crack at influencing the process. However, since the act is so broad, agriculture's access again could be limited.

The stakes are high for farmers, grain companies and the railways. Other than the MRE, it's likely any regulations to force market discipline on the railways will be available to all rail users, not just grain shippers.

After Sept. 16, Canadians can still express their views on transportation reforms to Garneau or Transport Canada in writing or at meetings, a department official said.

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Manitoba's Controlled Crop Residue Burning Program

Always Call Before You Burn 1-800-265-1233

Stubble burning restrictions

Manitoba's crop residue burning regulation restricts daytime burning between August 1 and November 15. Burning at night is illegal. Burning within Burning Permit Areas requires a permit issued by Manitoba Sustainable Development.

If you do not comply, you may be fined as much as \$50,000.

If you must burn, be responsible

Before you burn straw, stubble or chaff this fall, call 1-800-265-1233 or visit manitoba.ca to find out whether burning is allowed in your area that day.

Burning is permitted only on days when the weather conditions allow for effective smoke dispersion.

It is essential that you make sure appropriate fireguards are in place during a burn and you must supervise your fires at all times.

Consider the alternatives

In most years, crop residue management practices can reduce or eliminate the need to burn. For more information, contact your local Manitoba Agriculture, Growing Opportunities Centre or visit manitoba.ca.



PED Continued from page 1

infected with the virus to test the vaccine's efficacy rate.

"So we don't have data completed or analyzed there yet, that is still going on, so we don't know what (the efficacy rate) is in the field," Gerdts said. "But we will."

The vaccine was also used in three Manitoba hog barns during recent porcine epidemic diarrhea outbreaks.

"With our herd being essentially naive, this offers a significant amount of protection."

ANDREW DICKSON

"They asked us if they could use the vaccine in their outbreak, and we got permission from CFIA (Canadian Food Inspection Agency) to use it in those herds," said the researcher. Blood samples from animals in those barns have yet to be tested, but Gerdts said the producer in that case felt the vaccine did give replacement gilts some level of protection.

During lab trials and tests in commercial sow barns, between 80 and 90 per cent of neonatal piglets were given protection from the virus after sows were vaccinated four to five weeks before farrowing, and then vac-



Andrew Dickson, Manitoba Pork Council FILE PHOTO

cinated again two weeks prior to farrowing. Immunity is passed from the sow to the piglets via her colostrum.

While complex, Gerdts said the vaccine has come together quickly.

"We put a large team of researchers on it and we pursued different strategies, different types of vaccines and so on," he said. "Commercial production could start very soon, but it's really a question of how quickly can they get it registered in Canada so that producers can use it... I think everyone is

interested in getting it out as quickly as possible."

Commercialization of this vaccine is being fast tracked by the European pharmaceutical company Huvepharma.

"This is an exciting partnership with a world-class organization," said Boris Gavrilov, senior scientist for biologics development at Huvepharma. "Our goal is to have the vaccine available for commercial use as soon as possible to help stop producer losses."

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China raps Ottawa as dispute over Canadian canola exports deepens

Meantime some exporters are already making small sales under China's new terms, a move some say undermines Canada's position

BY DAVID LJUNGGREN

OTTAWA/Reuters

A dispute over \$2 billion worth of Canadian canola exports to China intensified last week when Beijing criticized Ottawa's insistence that bilateral relations could not improve until the matter is settled.

The situation threatens to mar Canadian Prime Minister Justin Trudeau's early-September visit to China.

"We oppose linking a concrete issue of bilateral trade with China-Canada relations," the Chinese Embassy in Ottawa said by email.

Canada, the world's biggest canola exporter, wants China, its top export market for the oilseed, to drop plans to toughen inspection standards on Sept. 1, limiting dockage to just one per cent compared to the current standard of 2.5 per cent

China says the tougher standard on foreign material is needed to protect against crop disease, notably blackleg that they say they're concerned could be transferred to their domestic crops through crop debris.

"The quarantine of canola is merely a technical issue that should be solved properly through consultations by relevant competent departments," said the Chinese Embassy.

The mission issued its statement after Canadian Trade Minister Chrystia Freeland said on Wednesday that "we cannot take the next step in our relationship with China" until the issue had been resolved.

Freeland called Chinese Commerce Minister Gao Hucheng late on Wednesday to convey Canada's concerns, but her intervention did not produce an immediate breakthrough.

"They agreed to continue working closely and to remain personally focused on a solution," said Freeland's spokesman, Alex Lawrence. Asked about the embassy statement, he said Freeland had nothing to add.

China imports three million to four million tonnes of Canadian canola seed annually.

"If one of your biggest customers isn't there to buy from you, in combination with (big) canola production, prices are going to have to come down," said Tony Tryhuk, manager of commodity trading at RBC Dominion Securities.

ICE Canada canola futures for November delivery fell 1.7 per cent late last week as the spat played out publically.

Traders suggest China's real reason for a higher standard is its ample domestic rapeseed oil stocks, similar to other disputes.

China effectively halted imports of U.S. corn and corn products for more than a year beginning in late 2013 as the country rejected shipments of an unapproved biotech variety. Traders speculated that the spat was tied to China's domestic grain surplus.

Similarly, some traders believe a recent anti-dumping dispute raised by China over U.S. distillers grains is aimed at supporting China's ethanol industry.

Meantime, Canadian exporters are making small sales of canola to China under Beijing's stricter terms, an industry group and three sources said, possibly undermining Ottawa's hardline negotiating stance with the world's top market for the oilseed.

Cargill Ltd., Louis Dreyfus Corp. and Parrish & Heimbecker have made sales ranging from about 30,000 to 60,000 tonnes to China for delivery after Sept. 1, according to trade sources who were not authorized to speak publicly.

Louis Dreyfus's Canadian unit, Cargill and Parrish & Heimbecker declined to comment.

Canada's biggest canola exporters, Richardson International and Glencore Plc-owned Viterra Inc., however, are balking at China's new standard.

Viterra could not be reached, while Richardson referred comment to the Canola Council of Canada.

An industry source said the sales, which may intend to test China's new approach, weaken Canada's position, comparing their impact to striking workers crossing a picket line.

Another source said holdout exporters may now feel compelled into sales to preserve market share.

With files from Rod Nickel in Winnipeg

WHAT'S UP

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

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

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

Sept. 18: Open Farm Day, hosted by the Manitoba Association of Agricultural Societies. For info on host sites, hours and activities, visit www.openfarmday.ca.

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

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

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

Sept. 26-28: International One Welfare Conference, Radisson Hotel Winnipeg Downtown, 288 Portage Ave., Winnipeg. For more info visit onewelfareconference.ca.

Sept. 30-Oct. 1: Manitoba Fibre Festival, Red River Exhibition Park, 3977 Portage Ave., Winnipeg. Call 204-888-6990 or visit manitobafibrefestival.com.

Oct. 1: Roland Pumpkin Fair. Call 204-343-2314 or email artccam@

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.

Oct. 15: Manitoba Rural Women's Day, Rivers. Location and time TBA. More info to come at mbwi.ca.

Oct. 25-27: Canola Discovery Forum, Fairmont Winnipeg, 2 Lombard Place, Winnipeg. For more info or to register visit www. canolacouncil.org/what-we-do/ upcoming-events/.



For more information, visit Syngenta.ca, contact our Customer Interaction Centre at 1-87-SYNGENTA

(1-877-964-3682) or follow @SyngentaCanada on Twitter and tweet us your questions using #AskSYN.

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13 NEW HOLLAND CX8080



10 NEW HOLLAND CR9080





'09 NEW HOLLAND CR9080



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'08 NEW HOLLAND CR9070



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USED NEW HOLLAND EQUIPMENT



2164E, 710/70R42 168B R-1W FI Firestone Radial, 4 Electric Remotes, Deluxe Cab



14 NEW HOLLAND T8.330

518E, 284HP, 480/70R34 Front, 480/80R50 Rear, PTO 540/1000, 6th Hyd Outlet, Cab Suspension



15 NEW HOLLAND T9.435

600, 370HP, Tires Duals 710/70R42D, Trans 16F/2R, 4 Hyd Outlets, PTO 1000



15 NEW HOLLAND T9.480

1922E, 20.8-42 Triples, 18 Front Weights w/Bracket, Lights 3 HID, Hyd Flow 55 GPM, Cab Deluxe



4'x5' Hard Core Baler



14 NEW HOLLAND T9.435

877 hrs, 800/38 Goodyear, 4 Electric Remotes, Diff Lock Front/Back, Lights 3 HID



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Bale Command & Edge Wrap, Endless Belts, XtraSweep, Rotary Cutter, 18Lx16.1 Tires



13 NEW HOLLAND H8040

365hrs, Cab & Rear Axle Suspension. 600/65R28 Drive Tires, Single Arm Rear Wheels



5890E, 380/80R38 Front Duals, 380/90R54 Rear Duals, 4 Remotes, 10 Front Weights w/brackets



12 NEW HOLLAND TV6070

2270 hrs, 480/85R34 Non Directional Tires, 84LB Loader with Grapple, 540/100 PTO



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587E, Good Year 710/70R42 Duals, 55 GPM, Hyd Flow



13 NEW HOLLAND H8040

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LIVESTOCK MARKETS

EXCHANGES: AUGUST 26, 2016 \$1 Cdn: \$0.7723 U.S. \$1 U.S: \$1.2947 Cdn.



Cattle Prices (Friday to Thursday) August 26, 2016 Winnipeg **SLAUGHTER CATTLE** Heifers D1, 2 Cows D3 Cows FEEDER CATTLE (Price ranges for feeders refer to top-quality animals only) (901+ lbs.) (801-900 lbs.) (701-800 lbs.) (601-700 lbs.) (501-600 lbs.) (401-500 lbs.) Not Available (901+ lbs.) Heifers This Week (801-900 lbs.) (701-800 lbs.) (601-700 lbs. (501-600 lbs. (401-500 lbs.) SLAUGHTER CATTLE (\$/cwt) Alberta South Ontario Grade A Steers (1,000+ lbs.) 131.47 - 142.28 Grade A Heifers (850+ lbs.) 121.25 - 139.76 D1. 2 Cows 93.00 - 108.00 6715 - 94.58 67.15 - 94.58 D3 Cows 70.00 - 96.00 97.90 - 122.09 165.00 - 181.00 (901+ lbs.) Steers 151.41 - 177.08 (801-900 lbs.) 175.00 - 191.00 148.03 - 183.37 (701-800 lbs.) 185.00 - 200.00 144.31 - 187.70 (601-700 lbs.) 185.00 - 205.00 142.49 - 187.94 210.00 (401-500 lbs.) 195.00 - 220.00 172.23 - 219.95 Heifers (901+ lbs.) 150.00 - 166.00 140.74 - 155.63 (801-900 lbs) 141.67 - 162.08 141.22 - 168.23 160.00 - 173.00 (701-800 lbs.) 165.00 - 180.00 137 97 - 176 51 (601-700 lbs.) 168.00 - 190.00 (501-600 lbs.) (401-500 lbs.) 170.00 - 198.00 153.92 - 188.68 Futures (August 26, 2016) in U.S. Fed Cattle Close Change Feeder Cattle Change Close 1.70 -1.35 August 2016 -1.10 August 2016 September 2016 October 2016 108.53 -2.05141.80 December 2016 -2.10 -2.27 -2.53 -2.75 109.95 October 2016 Novemeber 2016 February 2017 109.78 134.85 April 2017 108.58 -2.30 January 2017

	_		
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.)	172E	173.27	191.56
MB (Index 100) (Fri-Thurs.)	159E	160.33	177.71
ON (Index 100) (MonThurs.)	156.42	155.96	188.41
PQ (Index 100) (MonFri.)	159.49	160.39	191.92
Futures (August 26, 2016) in U	J.S.		
HOGS	Close		Change
October 2016	58.70		- 2.00
December 2016	54.48		- 1.98
February 2017	59.35		- 1.70
April 2017	64.85		- 1.55
May 2017	64.13		- 0.70

Other Market Prices

102.10

Week Ending

August 26, 2016

12.204

48,108

NΑ

599.000

Cattle Slaughter

Canada

East

West

U.S.

Manitoba

-2.30

Previous

54,227

11.647

42,580

NΑ

545,000

Prime

AAA

ДД

А В

D

		Winnipeg		SunGold
\$/cwt		Wooled Fats	Toronto	Specialty Meats
Ewes	Choice	_	110.40 - 148.35	_
Lambs	(110+ lb.)	_	180.43 - 204.68	
	(95 - 109 lb.)	_	216.56 - 231.89	
	(80 - 94 lb.)	_	217.17 - 246.72	
	(Under 80 lb.)	_	150.49 - 255.26	
	(New crop)	_	_	

Chickens

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

Turkeys

Minimum prices as of August 14, 2016

9 .	9	'
Broiler Turkeys		Broiler Turkey
(6.2 kg or under, live weight truck load average)	veight truck load average)	(6.2 kg or under, I
Grade A\$1.990	\$1.990	Grade A
Undergrade\$1.900	\$1.900	Undergrade .
Hen Turkeys		Hen Turkeys
(between 6.2 and 8.5 kg liveweight truck load average)	kg liveweight truck load average)	(between 6.2 and
Grade A\$1.980	\$1.980	Grade A
Undergrade\$1.880	\$1.880	Undergrade .
Light Tom/Heavy Hen Turkeys	len Turkeys	Light Tom/Hea

Light Tom/Heavy Hen Turkeys		
(between 8.5 and 10.8 kg l	iveweight truck load average)	
Grade A	\$1.980	
Undergrade	\$1.880	
Tom Turkeys		

Tom Turkeys
(10.8 and 13.3 kg, live weight truck load average)
Grade A\$1.925
Undergrade\$1.840
Prices are quoted f.o.b. producers premise.

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.

129.53

Cattle Grades (Canada)

Week Ending

August 26, 2016

918

32.788

17,890

996

1,121

5.615

-1.13

Previous

838

28.870

14,881

588

1,388

6,912

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

1,000 lbs.+

Goats		
	Winnipeg (Hd Fats)	Toronto (\$/cwt)
Kids		121.78 -266.61
Billys		_
Mature		135.40 - 262.75
Horses		

Winnipeg Toronto (\$/cwt) (\$/cwt) <1.000 lbs 39.00 - 50.00

39.00 - 60.00

COLUMN

Stronger dollar, weaker futures drag on prices

Prices, in turn, may keep calves on healthy pastures

ERIN DEBOOY

CNSC



t was a quiet week on the auction mart front in Manitoba, with lighter numbers due to harvest and some auction marts closed until numbers pick up in September, according to one cattle buyer.

"We did see more yearlings start to come on the market with electronic sales," said Rick Wright, a cattle broker and order buyer with Heartland Order Buying Co.

"With direct sales this week, yearling prices were under pressure," Wright said of the week ending Aug. 26, and prices "were probably three to five cents lower than the previous week due to reduction in the futures and a stronger Canadian dollar, which made it tougher to export those cattle.'

The cow and bull market for slaughter cattle remained steady compared to the previous week, he said, adding the markets are open and lots of cows and bulls are coming to town.

The stronger Canadian dollar also meant virtually nothing was going south across the border, he said.

"With the dollar the way it was... the Canadian market was considerably higher than what the American market was... which was non-existent this week," he said. "We're going to watch the dollar really closely, because that has a big impact on whether we have any American interest or not."

Most of the demand for top-end yearlings came from Ontario this week, he said.

"We're surprised there's been as much Ontario demand as what there has been... It's been pretty dry down there and the crops aren't all that good."

"I think producers are going to be disappointed with the prices of calves this fall and they'll keep them as long as they can on the pastures."

RICK WRIGHT Heartland Order Buying Co.

Average- or higher-quality cattle are going west to Alberta, Wright added.

Pastures across Manitoba are in good condition with adequate availability of livestock water, according to the province's weekly crop report for the week ending Aug. 22.

Some areas of the Interlake have started to get dry; however, rainfall and recent warm temperatures have been promoting quick regrowth.

"Pasture conditions are good so I don't expect that we will see very many calves... until probably mid-September into October," Wright said. "I think producers are going to be disappointed with the prices of calves this fall and they'll keep them as long as they can on the pastures.

Because producers are disappointed with prices being offered, Wright predicted a light run of cattle for the next couple of weeks.

"People are going to have to get used to the new price book that's out for the calves this fall, but I think it's going to take awhile to get used to," he said. "As long as pastures are good they'll leave the cattle out and try to outwait the market."

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

BRIEFS

Once a jolly SwagBot

BY COLIN PACKHAM

Australia's newest drover is a far cry from a man with a big hat, a horse and fancy boots.

Meet SwagBot — the world's first robot lesigned to round up livestock — currently being developed by Australian scientists to roll across the landscape in aid of the country's

Australia is the world's third-largest cattle exporter but with the age of producers creeping higher, and cattle stations averaging about 400,000 hectares (988,420 acres) of land nearly four time the size of Hong Kong — rearing livestock can be difficult, even with a sufficient number of cowhands.

A labour shortage makes the task harder though, and threatens Australia's hope of boosting its livestock output to profit from rising Asian demand for red meat.

SwagBot is the answer, according to Professor Salah Sukkarieh, who heads the research team developing the robot.

"The cost of technology has dropped quite significantly," he said. "Because of that drop in cost, agriculture has opened up as another area where robotics could be used because there are very low margins in agriculture."

The contraption — a box of electronics supported by four independently moving legs attached to wheels — is omnidired tional, navigates over obstacles, even across water, and can be remotely controlled by farmers as it herds cattle.

Additions to SwagBot's capabilities are also planned. It will soon have sensors that can detect pasture health and determine if an animal is sick or in distress.

Technology offers the best hope to arrest Australia's slowdown in agricultural productivity, analysts said.

"Getting good, reliable labour is a problem, and the further you get away from a capital city, the harder it gets," said Phin Ziebell, agribusiness economist, National Australia Bank.

"If the robot can be cheaper than humans, too, farmers will be very keen."

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

GRAIN MARKETS

COLUMN

StatsCan estimates might not be lowball this year

China's new dockage rules on canola still loom large

PHIL-FRANZ WARKENTIN CNSC



The CE Futures Canada canola contracts dropped during the week ended Aug. 26, as losses in vegetable oil and the looming implementation of stricter Chinese dockage allowances weighed on values.

The week began cautiously as traders waited for Statistics Canada's production estimates. Ahead of the report, average trade guesses on the size of the crop came in at just over 18 million tonnes, which would be up from the 17.2 million tonnes grown the previous year. StatsCan pegged the crop at only 17 million tonnes, which initially gave canola some underlying support.

StatsCan is notoriously conservative in its August estimates, with subsequent reports showing larger and larger crops. Those expectations for upward revisions were definitely in the minds of most industry participants, keeping the market from rallying on the back of the smaller production outlook.

However, this year there is also a strong case to be made that the August estimate may be the best there is. Heavy rains across many parts of Western Canada after the survey was conducted did some damage, but the extent of crop losses remains to be seen.

Beyond the nearby concerns of harvest weather, the big issue in the background of the canola market these days is China. The country is the single-largest customer for Canadian canola, but is set to implement tighter dockage allowances on Sept. 1 that may put a damper on that business.

The new Chinese rules will lower the amount of dockage allowed in canola shipments from 2.5 per cent to one per cent. Industry participants, including the Canola Council of Canada, have expressed concern over the regulations, claiming the stricter dockage allowances are a trade barrier that will be hard to fulfil. However, there are dissenting opinions in the trade that question just how hard meeting the one per cent requirement is, especially as dockage is often added to shipments after the fact.

Prime Minister Justin Trudeau is on a trade mission to China this week, and canola is expected to be a topic of discussion.

U.S. yield prospects

In the U.S., soybeans, corn and wheat futures were all down during the week.

For soybeans and corn, rising U.S. crop prospects were a major bearish influence. A private crop tour across the Midwest showed pretty good yield prospects — and those record-large crops will soon be harvested.

Activity in the U.S. dollar index was another bearish influence of the U.S. markets, with ideas that the U.S. Federal Reserve will raise interest rates underpinning the U.S. currency. A rising U.S. dollar could limit export demand going forward, as it makes the country's grains and oilseeds more expensive for global customers.

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

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

Manitoba Elevator Prices

Average quotes as of August 25, 2016 (\$/tonne)

		Future	Basis	Cash
E. Manitob	a wheat	181.06	26.20	207.26
W. Manitol	oa wheat	181.06	19.74	200.80
E. Manitob	a canola	459.70	-36.45	423.25
W. Manitol	oa canola	459.70	-38.07	421.63
			S	ource: ndainfo.ca

Port Prices

As of Friday, August 19, 2016 (\$/tonne)

	Last Week	Weekly Change
U.S. hard red winter 12% Houston	144.12	-10.66
U.S. spring wheat 14% Portland	213.11	-15.89
Canola Thunder Bay	456.60	-6.90
Canola Vancouver	489.60	-8.90

Closing Futures Prices

As of Thursday, August 18, 2016 (\$/tonne)

	Last Week	Weekly Change
ICE canola	459.60	-8.90
ICE milling wheat	211.00	-8.00
ICE barley	138.00	0.00
Mpls. HRS wheat	185.37	-8.54
Chicago SRW wheat	155.70	-1.19
Kansas City HRW wheat	158.83	4.13
Corn	130.70	0.00
Oats	122.55	12.32
Soybeans	358.44	-20.85
Soymeal	354.07	-14.44
Soyoil	728.53	-25.36

Cash Prices Winnipeg

As of Thursday, August 18, 2016 (\$/tonne)

	Last Week	Weekly Change
Feed wheat	n/a	n/a
Feed barley	135.49	0.92
Rye	n/a	n/a
Flaxseed	448.80	-3.15
Feed peas	n/a	n/a
Oats	162.75	0.65
Soybeans	396.47	-8.82
Sunflower (NuSun) Fargo, ND (\$U.S./CWT)	18.50	n/a
Sunflower (Confection) Fargo, ND (\$U.S./CWT)	Ask	Ask

Western Canadian wheat bids decline

Seasonal pressure is weighing on cash prices as harvests loom

BY JADE MARKUS

CNS Canada

pring wheat cash bids across Western Canada declined during the week ended Aug. 26, as prices felt the bearish effects of harvest pressure.

Depending on the location, average Canada Western Red Spring (CWRS) wheat prices were down by roughly \$11-\$13 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 Saskatchewan's southeast to as high as \$210 in southern parts of Alberta.

Quoted basis levels varied from location to location, but held reasonably steady to range from about Depending on the location, average CWRS wheat prices were down by roughly \$11-\$13 per tonne.

\$16.50 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

When accounting for currency exchange rates by adjusting Canadian prices to U.S. dollars, CWRS bids ranged from US\$152 to US\$161 per tonne. That would put the currency adjusted basis levels at about US\$20-\$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.

Bids for Canada Prairie Spring Red (CPSR) wheat reported by PDQ were down by anywhere from \$6.50 to \$8 per tonne over the course of the week. Average CPSR prices came in at about \$155 to \$166 per tonne in Saskatchewan and Alberta.

Average durum prices were chopping around unchanged, depending on the location, with bids in Saskatchewan ranging from roughly \$240 to \$248 per tonne.

The September spring wheat contract in Minneapolis, off of which most CWRS contracts in Canada are based, was quoted Aug. 26 at US\$4.925 per bushel, down about 38 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 Aug. 26 at US\$3.8975 per bushel, down about 29 U.S. cents compared to the previous week.

The September Chicago Board of Trade soft wheat contract settled at US\$3.835 on Aug. 26, down by about 43 U.S. cents on the week.

The Canadian dollar closed Aug. 26 at 76.92 U.S. cents, down by about one-fifth of a cent relative to its U.S. counterpart on the week.

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LIVESTOCK

HUSBANDRY — THE SCIENCE, SKILL OR ART OF FARMING

Dairy isn't dead

The next generation of dairy farmers from across Western Canada came together last week to learn, network and compete

BY JENNIFER PAIGE

Co-operator staff / Brandon

Sometimes growing up on a dairy farm can feel like a very lonely experience.

Surrounded by beef operations and grain growers and faced with the reality of evershrinking numbers of dairies, the next generation of dairy farmers can start to feel like they have no peers.

That's why youth dairy events like the Western Canadian Classic (WCC), held last week in Brandon, are so important, according to participants.

"Coming to these events really lets you see that dairy isn't dead," said sixteen-year-old Dana Andres, who travelled from her dairy farm near Steinbach. "There is only one dairy club in my area of Manitoba, so to see kids from B.C. and Alberta who share the same passion is a lot of fun."

Andres was one of 100 youth who took part in the WCC, a premier dairy show for youth ages 12 to 21 from across the four western provinces.

Miriam Sweetnam, a Dairy Farmers of Manitoba board member and one of the event's organizers, agreed the connections the dairy youths make at events like these are vital.

"Speaking as a Manitoba parent, a lot of our children are in schools where they are the only dairy farmer," she said. "So, when those children are here, they are amongst 100 others who have similar interests."

WCC has been held annually for the past 32 years, rotating through Manitoba, Saskatchewan, Alberta and B.C.

Sweetnam has been involved on the Manitoba organizing committee for the past seven years and sees a number of benefits in getting youth involved in the program, including giving them a chance to network and build confidence in their interests.

"If you talk about clipping a calf to someone in the city and how excited you are to get a good top line, it's not something that is on their radar," she said. "This just gives these kids a venue to mix with others who have similar interests. Many of the connections made here stick with these kids. It creates a lot of cross-provincial interaction."



 $\textbf{Sixteen-year-old Dana Andres has been a part of her local Steinbach dairy club for the past seven years.} \ \ {\tt PHOTOS: JENNIFER PAIGE}$



 $The Western \, Canadian \, Classic \, brings \, together \, 100 \, youth \, for \, a \, week \, of \, stall, show manship \, and \, conformation \, competitions.$

Andres has been a part of her local dairy club and 4-H club for seven years and says participating in livestock clubs has helped her in a number of different areas of her life.

"This has really helped me appreciate where I came from," Andres said. "But, it isn't all about the animals. It is about building skills, friendships and travelling. There is also a public speaking program offered and I have gone far with that and that has helped me immensely in my school life and also in my personal life, just making friends and building relationships."

In her own community, Andres says she has seen a growing interest from kids her age in the dairy industry.

"Our dairy club has been growing recently, which is really exciting to see. There is about 20 members this past year," Andres said.

Sweetnam says she has also seen a growth in interest in Manitoba youth since she began organizing the event.

"Participation has become stronger over the years. I think the first year we had about 16 participants from Manitoba. But like anything, it goes in waves," Sweetnam said. "And, we certainly don't limit participation. Participants don't have to come from a dairy farm. If they have interest in the industry, they are welcome to join"

During the event, participants took part in clipping, dairy science and showmanship presentations and competed in stall, showmanship and conformation competitions.

"The goal is to make them better and encourage them to be as good as they can possibly be. In their own provinces they may be big fish in a small bowl but when you put them into this bigger bowl of the four provinces, they learn to be better and strive to improve and that is what we are trying to achieve," Sweetnam said.

Participants are awarded points throughout the week from their participation in the various competitions.

"The high-point participant winner from this week will represent Canada on the team of six that goes to Europe for a competition at the European Young Leaders School, so it is a prestigious thing to win," Sweetnam said.

In Europe, the Canadian team will take part in a similar program, competing with European countries.

"If anyone is on the fence about participating in something like this I think they should definitely go for it," Andres said. "I know a lot of people who aren't even from farms who are very involved in this program and it is so beneficial."

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Island top signals a downturn in lean hog futures

This rare pattern takes time to develop but is seen as a reliable indicator of a market top

DAVID DROZD

Market Outlook



The nearby lean hog futures at the Chicago Mercantile Exchange have dropped nearly US\$30 per hundredweight in the past two months. The recent low at US\$59.275 is a price not seen since early January 2016.

One of our responsibilities at AgChieve is to alert producers to impending downturns in the grain and livestock markets. Charting and technical analysis is what allows us to do this. In this column we are focusing on an interesting chart formation referred to as an "island top."

The pattern itself is not very common and hence its reliability in signalling a downturn is considered good. As the name implies, there is a brief period of trading, which on a bar chart will stand apart from all the activity both preceding and following it

The activity is isolated on a chart by virtue of gaps. A gap is a price range within which no trading takes place. Normally, price activity during a single trading session will overlap part of the preceding session's price range. When a gap is present, this does not occur. Either this week's low price is higher than last week's high (an upside gap) or this week's high price is lower than last week's low (a downside gap). Both gaps are illustrated in the accompanying chart.

Island tops appear at the end of extensive price advances and in most cases signal the end of a bull move.

Market psychology

In the late stages of a bull market, opinion is weighted very heavily to the long side of the market. Weeks of beneficial price movement tempt the longs to expect still higher prices and many who would ordinarily consider taking profits simply hang on. They fear missing additional profits and are psychologically conditioned to expect higher prices.

At this juncture, emotion is driving the speculative buying. not any preconceived formulated strategy. Some buyers will pay any price to be long the market and speculative shorts are buying back their positions, which are constantly being replaced by new shorts. These include players who missed the big picture rise and as a result will only be content to sell short. As they look for the elusive top of the market they help provide more buying fuel. Here the emotion-inspired buying will often produce upside price gaps, indicating an imbalance of buyers over sellers. The gaps also warn that the buying frenzy is about to reach a

An island top requires more than one trading session to form. In this illustration, I am referencing a weekly chart, where the island top took nine sessions (weeks) to form. The island top begins to take shape when a market gaps up in price.

Significantly, no matter how much prices gyrate during this session (week), the opening gap will not be completely filled.

Trading volume will be high at the top. Over a number of sessions (weeks) the buying is exhausted as the increase in the supply of contracts for sale from a mix of professional, commercial and longs looking to take profit is enough to satisfy the demand.

In the following session (week), the market opens weak. Now an imbalance of sellers over buyers produces a downside gap, which will remain unfilled at week's end, thus signalling the pattern's completion. This session's price retreat represents a radical departure from recent activity and generates nervousness on the part of longs.

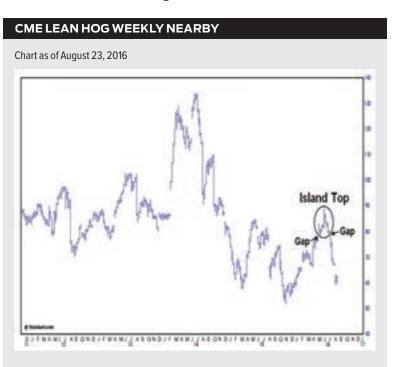
Importantly, the market's

sudden weakness cracks the armour of prevailing bullish psychology. Long liquidation pushes prices lower, in turn bringing in more selling. The cycle feeds on itself, thus ending the uptrend.

Livestock producers who anticipated the formation of the island top were able to lock in lean hog prices before the market turned down.

Send your questions or comments about this article and chart to info@agchieve.ca.

David Drozd is senior market analyst for Winnipeg-based Ag-Chieve Corporation. The opinions expressed are those of the writer and are solely intended to assist readers with a better understanding of technical analysis. Visit Ag-Chieve online at www.ag-chieve.ca for information about grain-marketing advisory services, or call us toll free at 1-888-274-3138 for a free consultation.



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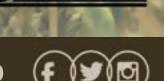


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LIVESTOCK AUCTION RESULTS

Weight Category	Ashern	Gladstone	Grunthal	Heartland	Heartland	Killarney	Ste. Rose	Winnipeg
				Brandon	Virden			
Feeder Steers	n/a	n/a	n/a	23-Aug	24-Aug	n/a	n/a	26-Aug
No. on offer	n/a	n/a	n/a	59	234*	n/a	n/a	120
Over 1,000 lbs.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	140.00-158.0
900-1,000	n/a	n/a	n/a	160.00-175.00	164.00-176.00	n/a	n/a	145.00-164.0
800-900	n/a	n/a	n/a	170.00-185.00	177.00-189.00	n/a	n/a	152.00-176.0
700-800	n/a	n/a	n/a	180.00-195.00	183.00-196.00	n/a	n/a	160.00-179.0
600-700	n/a	n/a	n/a	190.00-205.00	184.00-201.00	n/a	n/a	165.00-188.0
500-600	n/a	n/a	n/a	192.00-210.00	187.00-207.00	n/a	n/a	168.00-192.0
400-500	n/a	n/a	n/a	n/a	190.00-217.00	n/a	n/a	170.00-195.0
300-400	n/a	n/a	n/a	n/a	n/a	n/a	n/a	180.00-200.0
Feeder heifers								
900-1,000 lbs.	n/a	n/a	n/a	145.00-167.00	148.00-166.00	n/a	n/a	130.00-155.0
800-900	n/a	n/a	n/a	160.00-174.00	165.00-176.00	n/a	n/a	137.00-162.0
700-800	n/a	n/a	n/a	165.00-181.00	167.00-180.00	n/a	n/a	140.00-168.0
600-700	n/a	n/a	n/a	175.00-185.00	168.00-181.00	n/a	n/a	145.00-172.0
500-600	n/a	n/a	n/a	175.00-190.00	172.00-185.00	n/a	n/a	150.00-175.0
400-500	n/a	n/a	n/a	n/a	175.00-188.00	n/a	n/a	155.00-182.0
300-400	n/a	n/a	n/a	n/a	n/a	n/a	n/a	180.00-185.0
Slaughter Market								
No. on offer	n/a	n/a	n/a	28	n/a	n/a	n/a	155
D1-D2 Cows	n/a	n/a	n/a	92.00-102.50	91.00-97.00	n/a	n/a	96.00-102.5
D3-D5 Cows	n/a	n/a	n/a	80.00-91.00	84.00-90.00	n/a	n/a	80.00-87.00
Age Verified	n/a	n/a	n/a	n/a	93.00-101.00	n/a	n/a	n/a
Good Bulls	n/a	n/a	n/a	118.00-127.50	117.00-131.00	n/a	n/a	116.00-121.0
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	90.00-105.00	n/a	n/a	100.00-125.0
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	100.00-120.00	n/a	n/a	n/a

(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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The Manitoba Co-operator | September 1, 2016

"World's most popular" horse breed struts its stuff

The Keystone Centre was filled with more than 700 Arabian horses during the Arabian Horse Association's Canadian National event



More than 700 Arabian horses and riders took part in the AHA Canadian National event held in Brandon on Aug. 14 to 20. PHOTOS: JENNIFER PAIGE

BY JENNIFER PAIGE

Co-operator staff / Brandon

The oldest and most popular horse breed in the world descended on Brandon for the Arabian Horse Association's Canadian National event.

Arabian horses go back at least 4,500 years, according to the archeological record, and remain the most popular type of horse on a global basis.

"Throughout the world, Arabians are the biggest breed," said Cynthia Richardson, president of the Arabian Horse Association (AHA). "I think it is just because of the desirable traits that these horses bring."

According to Richardson, in North America the quarterhorse rivals the Arabian in popularity but throughout the rest of the world, the Arabian is by far the biggest breed.

"These horses are very easy keepers. The bigger, heavier horses take a lot more to maintain than Arabians. So, for areas with little space or high desert, Arabians are the obvious choice," Richardson said during the event, held in Brandon Aug. 14 to 20.

The event saw 712 horses travel from across the continent to take part.

"I have been competing in the AHA circuit for the past 20 years and have owned Arabian horses my whole life," said Gretchen Heberling, who travelled with her horse, Vinney, from Wisconsin to take part in the Canadian National event. "They absolutely love to play and their personalities will win you over."

The AHA hosts four national shows every year and in order to participate in the national competitions, riders must



AHA member and event competitor, Gretchen Heberling (I to r) shows off her Arabian horse, Vinney, as Cynthia Richardson, president of the Arabian Horse Association, discusses features of the breed.

earn their place through the local and regional events held in AHA's 18 different regions.

"A lot of these show horses are trained for a long time. It is the best of the best competing against each other," Richardson said. "Any athletic endeavour is exciting but with a horse you have another living thing that has a mind of its own. You have to work as a pair and those are great lessons in life — having to keep your cool and the horse feeds off of you so if you are nervous, he is nervous. When it all comes together it is pretty exciting and then when the judges recognize that you

were the best of the best that is a huge thing."

Desirable traits

Originating in the Arabian Peninsula, the favoured breed developed a large lung capacity and incredible endurance.

"Arabians for their size have a larger heart and lung than any other horse and that is why they are very, very good at endurance, because they can get all this air in and process it," Richardson said.

They weigh between 800 and 1,200 pounds, stand an average of 15 hands high and are said to be a smooth ride.

"They are very comfortable to



Cynthia Richardson, president of the Arabian Horse Association, says globally Arabian horses are by far the largest breed.

ride. The horse is built with one less vertebra. Their backs are very short and very strong. So, they have a lot of power from behind and the ability to lift up their front ends," Richardson said.

However, Richardson says that choosing a breed of horse ultimately comes down to what you want to do with it.

"There are lots of reasons to own different breeds. Some of it is tradition, availability and some of it is what their job is going to be," Richardson said. "Even though we do cutting and things, you very seldom will see a purebred Arabian as a roping horse, because they just don't offer the size and strength for the job."

Arabians have also grown in popularity because of their personalities and ability to connect with their human counterparts, but Richardson says there are some challenges to ownership.

"When I was a kid you could keep your horse in your back-yard but that is really not possible anymore," she said. "We are losing a lot of our land and the ability to have that animal like we used to. Boarding stables are becoming more popular and people have to drive to visit their horse."

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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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Warm with the chance of more thunderstorms

Issued: Monday, August 29, 2016 · Covering: August 31, 2016 – September 7, 2016

DANIEL BEZTE Weather Vane



s summer unofficially draws to a close it looks like the warm and relatively dry weather we've been seeing will continue. Last issue's forecast played out fairly well, with the large western low drifting by to our north late in the weekend and the trailing cold front bringing some fairly strong thunderstorms late last Sunday.

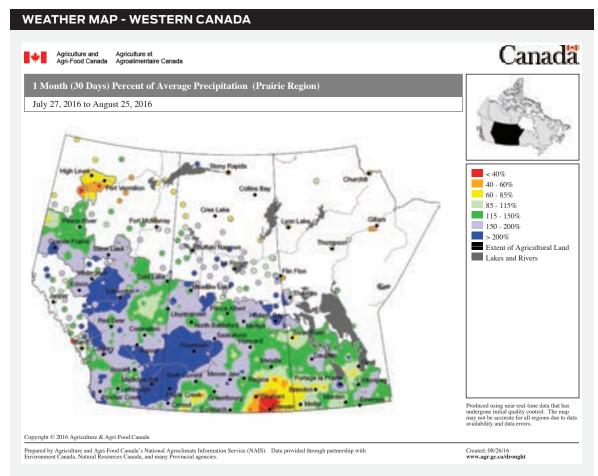
For the first half of this forecast period we'll see an upper ridge of high pressure move over our region, bringing with it plenty of sunshine along with nice warm late-summer temperatures. Expect to see daytime highs in the mid- to upper 20s with overnight lows in the low to mid-teens. Winds will start off on the light side on Wednesday and Thursday and become fairly breezy from the south on Friday and Saturday, as a large area of low pressure begins to push in from the west.

This large area of low pressure looks like it will follow the same basic path as the previous couple of lows, tracking northeastward into northern Manitoba. The strong southerly flow ahead of the low late in the week will help to boost both temperature and humidity levels. Some regions will likely make it into the low 30s on Friday or Saturday, with dewpoints making it into the upper teens. A cold front is then forecast to push through sometime late Saturday or early Sunday. This front will likely trigger thunderstorms and given the amount of heat and humidity around, some of them will likely be severe.

Behind the front we'll see high pressure build in from the west. This high will give us sunshine and cooler temperatures to end the long weekend and start next week. Expect daytime highs to be in the low 20s, with overnight lows around the 10 C

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

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



This issue's map shows the total amount of precipitation that has fallen across the Prairies during the 30 days ending Aug. 25 as a percentage of average. Most regions of Manitoba have seen near- to slightly above-average amounts of rain during this period (light- and dark-green areas). Thunderstorms have given well-above-average amounts of rain to some scattered regions stretching in a line roughly from The Pas in the northwest to Emerson in the south.

Onion skins thin? Then expect mild winter

There are kernels of truth to some, but not necessarily all, weather folklore

BY DANIEL BEZTE Co-operator contributor

ing this article, it will probably be September and you might think this should be our usual monthly weather roundup and look ahead. As you probably already know, though, I have to submit my weather articles and forecast several days ahead of time, which means it's just a little too early for

that article. In the next issue

we'll take our look back at

not only September, but the

entire summer, then peer

y the time you're read-

ahead to see what this fall might hold in store for us. A couple of articles ago I wrote about some different weather folklore and asked for some feedback into what kind of weather folklore is currently floating around across the Prairies. I'll have to admit,

I thought I would get a whole bunch of responses, but I guess it's a pretty busy time of year! That said, I did receive some, so I figured we'd go through a few of these, plus one that I heard myself.

Rain and shine

The first one that came from one of the readers states: "Rain and shine today, rain In the spring, ground temperatures are cool and in the fall, nighttimes are long, so any strong radiational cooling can lead to frost.

kind of ring a bell with me, so let's break it down to see if it makes sense, weather-wise.

First off we need to understand what the statement is actually saying. The way I interpreted it was, if we see both rain and sunshine during the day, or possibly rain and sunshine at the same time during the day, then there will be rain again the next day. I'd say that this would have some kernel of truth to it, but not every time. When you think about an area of low pressure moving into a region, it is usually preceded by a warm front that will bring some clouds and possibly showers with it. Often the clouds and precipitation associated with warm fronts will be fairly short lived, meaning we would see both sunshine and precipitation during the day as the front pushes through. Then, as the main

again tomorrow." This one did low moves in, so will more consistent clouds and precipitation. This will usually take about 24 hours, which would be the next day.

Circling birds

Another saying that was sent to me, and which I often hear people quote in different forms, goes something like: "If birds (you insert the type) are circling high, then the chance of rain will be high." Other forms of this saying are not as poetic and simply state that circling birds, or large numbers of circling birds, mean there will soon be a storm.

If we think about this one, there is also a good solid kernel of weather truth behind it. Most birds that circle in the sky are birds of prey and they often take advantage of updrafts to gain altitude. If there are several large updrafts taking place, that would mean that the atmosphere is fairly unstable. This means air is easily rising on its own and rising air is the main ingredient needed for the development of clouds, rain, and unsettled weather.

Clear moon

The third email I received is pretty appropriate for this time of the year and goes something like: "If there is a clear moon, frost will come soon." This again holds a kernel of truth, especially in the spring and fall in our region.

If we are seeing the moon clearly, the sky is clear and high pressure is in place across our region. High pressure and clear skies allow for something called radiational cooling to take place. This is simply the escape of heat from the Earth's surface, during the period when no sunlight or energy is hitting the Earth's surface. During the summer the overnight period is short enough and the ground warm enough that we don't usually see frost. In the spring, ground temperatures are cool and in the fall, nighttimes are long, so any strong radiational cooling can lead to frost.

Thin skins

One piece of weather folklore that I came across hit a note with me as it tied into something I was currently doing in the garden and will write about in the next issue. This one goes: "Onion skin very thin, then mild winter is coming in. Onion skin thick and tough, then winter will be cold and rough."

Due to heavy rains in my area in late June and early July, one of my gardens was constantly flooded for several weeks and as a result the onions died off earlier than usual. As I was harvesting them, I noticed the skins were much thinner than usual. Then I saw this saying and thought to myself that this could be a good thing: a nice mild winter coming up. The problem that I found fairly quickly is that I have a second garden which is a little higher up than the first and drains much better. This garden didn't flood and the "backup" onions are doing much better. They also have much thicker and tougher skins — oh, darn, maybe it will be a cold rough winter after all!

To me that is the best part of weather folklore: If you want it to be right, then it probably will be. If you don't believe in it, then you will ignore the times it is right and only see the times when it is wrong. Either way, everyone is happy... I guess.

HUSBANDRY — THE SCIENCE, SKILL OR ART OF FARMING





Late planting of early soybeans explored

Growing season for soybeans could continue to shrink



Kristen Podolsky speaks to producers in Morden. PHOTO: SHANNON VANRAES



BY SHANNON VANRAES

Co-operator staff/Morden

arly-maturing soybean varieties have been a great ■ benefit to Manitoba producers and now researchers are trying to determine if they can also be planted later in the

"I would have to say this is very exploratory work... we're actually testing practices that aren't the norm right now," said Kristen Podolsky, a production specialist with the Manitoba Pulse and Soybean Growers association. "With the introduction of early-maturing soybeans — a relatively recent introduction, within the past five years what we're wondering is, can we plant soybeans later than normal in these long-season areas?"

Speaking to producers during a field tour at the Agriculture and Agri-Food Canada research station in Morden last week, Podolsky said current varieties mature between 107 and 123 days. In long-season areas of the province, producers who plant June 10 are left with somewhere between 110 and 120 days for plants to reach maturity before a killing frost becomes likely.

But new, very-early-maturing varieties open up the possibility of planting later in the season and diminishing the risk of spring frost damage, she said.

'Spring weather isn't always favourable so there is definitely interest among growers who are faced with the situation where they can't plant until mid-June," Podolsky said. "And right now soybeans aren't an option for that because of crop insurance and because traditionally they wouldn't mature in time.'

Where these new varieties can negate that risk is uncertain but it's a possibility worth exploring, especially on a non-commercial basis, by researchers and exten-

'We want to do the work before growers take on that risk," she

The study is in its second year, with test sites in Arborg, Morden and Portage la Prairie. Early, veryearly and mid-season varieties were planted at each location.

"We're wondering if we can take those early genetics and plant them later in some of these long-season areas."

KRISTEN PODOLSKY

"The idea there is that it covers each of our insurance test areas," she said. "So it's kind of like a long-, mid-, and short-season zone. And last year's results were really, really interesting. In Morden and Arborg we yielded between 15 and 25 bushels, and then in Portage we yielded over

Part of those results may ave been linked to an extralong growing season in 2015 a killing frost only arrived on September 28 and 29, which is much later than normal for

NEW

Morden usually sees killing frost towards the end of September.

Yields at the Portage la Prairie test site were above normal, but were below normal in both Morden and Arborg, possibly due to wet conditions. Aphids were also a limiting factor.

"We weren't really sure what to expect," Podolsky said. "I think in Portage it was a lot higher than we expected, but we had really great growing conditions in Portage last year. We had good heat, good moisture and then we had a late frost. So that allowed those varieties to get to maturity.'

Next year will be the last season for the study, which MPSG says was driven by farmer interest.

"This is something producers were asking questions about, and we thought, 'hey, we can do some research on that," she said. "We haven't analyzed the data vet, but we will and we are working with crop insurance as well... it has been interesting, but it is still early."

Arborg and Portage la Prairie. shannon.vanraes@fbcpublishing.com

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Consider pros, cons of alternative grain storage methods

Not all storage methods are created equal, they have their pros and cons

NDSU RELEASE

rain can be stored in many types of containers, but all storage options should keep the grain dry and provide adequate aeration to control grain temperature, according to North Dakota State University grain drying expert Ken Hellevang.

"Grain must be dry and cool (near the average outdoor temperature) when placed in alternative storage facilities because providing adequate, uniform airflow to dry grain or cool grain coming from a dryer is not feasible in these facilities," says Hellevang, an NDSU Extension Service agricultural engineer.

Producers should look carefully at the advantages and disadvantages of the non-traditional storage methods they are considering, he adds.

Structural issues

Grain pushing against the walls can damage buildings not built for grain storage. The walls must be anchored securely, and their structural members must be strong enough to transfer the force to the building poles or support structure without breaking or bending excessively.

Typically, you will need additional poles and a grain wall to support the grain force in a pole building. Hellevang advises hiring an engineer to complete a struc-

tural design or analysis, or contacting the building company for guidance to prevent a structural failure.

Before placing grain in a building previously used for grain storage:

- Look for anything out of alignment, such as a bowing wall.
- Check the roofline. Bowing or bending indicate the load on the building has exceeded the load for which it was designed and built and has damaged the structure.
- Examine connections for separation or movement. A connector failure can lead to a building failure. You may need to reinforce the connection by adding a gusset or splice.

Storing in bags

Storing grain in poly bags is a good option, but it does not prevent insect infestations or mould growth in damp grain. Hellevang recommends:

- Placing grain in bags at recommended storage moisture contents based on grain and outdoor temperatures. Heating will occur if the grain exceeds a safe storage moisture content, and grain in a bag cannot be cooled with aeration. The average temperature of dry grain will follow the average outdoor temperature.
- Selecting an elevated, well-drained site for the storage bags.
- Placing the bags north and

south so solar heating is similar on both sides. Sunshine on just one side heats that side, which can lead to moisture accumulation in the grain on the cool side

 Monitoring the grain temperature at several places in the bags. Wildlife can puncture the bags, creating an entrance for moisture and releasing the grain smell, which attracts more wildlife

Never enter a grain bag because it is a suffocation hazard. If unloading the bag with a pneumatic grain conveyor, the suction can "shrink wrap" a person so he or she cannot move and will limit space for breathing.

Grain piles

Grain frequently is stored short term in outdoor piles. However, precipitation is a severe problem in uncovered grain. A one-inch rain will increase the moisture content of a one-foot layer of corn by nine percentage points. This typically leads to the loss of at least two feet of grain on the pile surface.

A one-foot loss on the surface of a 25-foot-high cone-shaped pile is about 13 per cent of the grain. This is a loss of \$39,000 if the grain value is \$4 per bushel.

If creating outdoor piles:

 Use a cover to prevent water infiltration. Aeration and wind blowing on the pile will not dry wet grain adequately to prevent spoilage.

- Prepare the ground surface where grain will be piled with lime, fly ash or cement to prevent soil moisture from reaching the grain.
- Place the pile so the storage floor is higher than the surrounding ground to minimize moisture transfer from the soil into the grain.
- Make sure the ground surface is crowned so moisture that does get into the pile drains out rather than creating a wet pocket that leads to grain deterioration.
- Examine the entire area to assure that flooding will not occur during major rain events.

Grain covers

A combination of restraining straps and suction from the aeration system holds grain covers in place. Place perforated ducts on the grain under the cover to provide a controlled air intake for the aeration system and airflow near the cover to minimize condensation problems.

Properly sized and spaced ducts also should be placed on the ground under the pile to pull air through the grain. If you use a perforated grain wall, the aeration ducts near the wall should not be perforated or the airflow through the grain will be limited to near the wall.

Cooling stored grain

Cool grain with aeration to reduce the insect infestation potential. Insect reproduction is reduced at temperatures below about 60 F (15.5 C), insects are dormant below about 50 F (10 C), and insects can be killed by extended exposure to temperatures below about 30 F (-1 C).

Cooling grain as outdoor temperatures cool reduces moisture migration and the condensation potential near the top of the grain pile. In addition, grain moisture content and temperature affect the rate of mould growth and grain deterioration, with the allowable storage time approximately doubling with each 10° reduction (5.5 C) in grain temperature.

The grain should be cooled whenever the average outdoor temperature is 10 to 15° (5.5 to 7.75 C) cooler than the grain. It should be cooled to near or below 30° (-1 C) for winter storage.

Aeration ducts need to have perforations sized and spaced correctly for air to enter and exit the ducts uniformly and obtain the desired airflow through the grain. The maximum spacing for aeration ducts is equal to the grain depth to achieve acceptable airflow uniformity.

For more information, do an online search for NDSU grain drying and storage.



Viterra books lower first-half revenues for Glencore

Canadian farmers were 'often reluctant sellers' in the period

STAFF

"A verage" crops and lower prices on the Prairies in the first half of 2016 led to results "substantially below" those in the year-earlier period for Viterra's Canadian operations.

Viterra's owner, Swiss commodity mining/marketing firm Glencore, on Aug. 24 reported a nine per cent drop in revenues across its global agricultural products business, from \$10.74 billion in the first half of 2015, to \$9.73 billion in the half ending June 30 (all figures US\$).

"The smaller stock carry-over, average crop size and lower prices meant that farmers were often reluctant sellers," Glencore said of Viterra Canada's results in its H1 report.

"Combined with strong competition amongst the handling industry and continued weakness in the Canadian dollar, this led to reduced U.S. dollar procurement margins, particularly for wheat."

Other "negatives" weighing on Viterra's Canadian results included "quality issues" in durum wheat, China's "objections" to levels of Canadian canola imports, "disruption" in pulse crop

shipments to India and an increase in domestic rail rates, the company said.

Viterra's Australian business, meanwhile, was "negatively impacted" by a smaller South Australian crop, a weaker Australian dollar and a "slower export pace," as Australia's wheat "lacked world market competitiveness," Glencore said.

That said, crops in both Canada and Australia are "currently progressing well and, if above-average crops materialize, this would be helpful for H2 2016

Across its global ag business, Glencore said its grain and oilseed marketing "performed satisfactorily, given the generally abundant crops, the low-priced environment and, in the case of grain, a lack of volatility."

Procurement margins, Glencore said, were "consistently narrow," with "limited" arbitrage opportunities. With lower global prices, despite "strong" regional exports, port throughput rates declined in the former Soviet Union, "which impacted our business in this region."

Glencore's agricultural processing and production, meanwhile, saw a 43 per cent increase from H1 2015 levels, mainly due to its added crush capacity. "The Glencore Agri stake sale... positions it for the industry's inevitable consolidation in the years to come."

IVAN GLASENBERG

The added capacity comes from its 50 per cent stake in the former Pacific Coast Canola plant at Warden, Wash., bought in January from Winnipegbased Legumex Walker, and from the former TRT-ETGO canola and soybean crush plant at Becancour, Que., which Glencore bought in late 2015.

'Asset disposals'

Glencore, in a recent bid to dial back its debts, is in the midst of selling 49.99 per cent of its Glencore Agri business, with 40 per cent going to the Canada Pension Plan Investment Board (CPPIB) and 9.99 per cent to B.C. Investment

Management Corp. (bcIMC), the investment firm for British Columbia's public sector pension funds.

"Since we announced our measures to reduce debt levels last September, we have made considerable progress towards achieving our goals," Glencore CEO Ivan Glasenberg said in the Aug. 24 release.

"We have already largely achieved our asset disposals target of (\$4 billion to \$5 billion) with a diverse and material pool of asset sales' processes also ongoing... We remain confident and focused on achieving even lower than previously indicated net funding and net debt levels by the end of this year."

The Glencore Agri stake sale, he said, "positions it for the industry's inevitable consolidation in the years to come."

In all, Glencore reported a first-half loss of \$615 million on revenues of \$69.425 billion, compared to an \$817-million loss on \$73.857 billion in the year-earlier period. Losses attributable to Glencore equity holders amounted to \$369 million, compared to a \$676-million loss in the first half of 2015.

Weather or not

Erratic weather may have made soybeans susceptible to dry conditions this fall

BY SHANNON VANRAES

Co-operator staff / Morden

hings are looking bright for Manitoba soybeans at the moment, but there is still time for weather to scuttle the

Manitoba Pulse and Soybean Growers association executive director Francois Labelle told attendees at the organization's recent field day there's been some moisture challenges, but overall the crop looks good.

"Generally they're looking really good and most people are talking, saying they are very pleased with the crop and so on," Labelle said, speaking at the Morden AAFC research station last week. "Still too early to tell for certain though, being we're still a month away from harvest."

He said weather, like always, will be the determining factor but added that even determining what weather is the right weather is difficult this season.

"I don't know if you can order the perfect weather today for it, because there's a number of issues," said Labelle. "No. 1, everyone wants to see it dry so that when the crops are ready to come off they'll come off. And one of the concerns that is being expressed already, is some of these crops might not have an extensive root system because of the excess moisture."

It that's the case, the type of dry weather some other crops need for harvest might leave soybeans with underdeveloped roots running out of moisture.

"So I don't know if we can order the right weather anymore," he said. "This year's been so erratic and so wild that we'll have to wait and see."



20

CROP REPORT

Harvest in full swing throughout the province, some conditions challenging

Manitoba Agriculture Crop Report issued August 29, 2016

Southwest Region

Most areas reported showers ranging from five to 15 mm over the past week. Some heavy rainfall events in isolated areas brought larger amounts of rain and some hail, including the Killarney area which saw up to 40 mm of rain Sunday evening.

Winter wheat and fall rye harvest is complete with average yields and good quality. Some reports of ergot in fall rye. Harvest of barley and oats is about 50 per cent complete. Barley growers report average yields with grain quality hit by fusarium head blight in some areas. Oat yields are above average with good quality. Some spring wheat has been harvested, with average yields and quality but some lower protein levels.

Some early canola is harvested with reports of average yields. A large number of acres is being swathed, with higher disease pressure making swathing a challenge. Pea harvest is close to complete with reports of average to below-average yields with some quality issues.

Soybean growth and maturity is at R6 stage. Corn and sunflowers continue to develop without many issues. Crops look to be average to above average.

Pastures are starting to dry and in some areas showing effects of early grazing.

Northwest Region

Scattered showers occurred over the week with approximately 15 mm in Swan River, 30 mm in The Pas and scattered showers in the Roblin area, slowing combining while canola swathing continued. There were some reports of hail in the Swan River area over the weekend. Some fields in Dauphin and The Pas areas are challenged by wet soil moisture conditions. Most field crops throughout the region continue to mature and are in relatively good condition.

Crops are advancing with spring wheat harvest operations underway in all areas of the region with the exception of The Pas. Approximately 30 per cent of the red spring wheat harvest is complete in the Roblin and Dauphin areas, and 50 per cent in the Swan River area. Yields range from 50 to 70 bu./ acre. Close to half of the canola is swathed in the Roblin and Dauphin areas, 20 per cent in The Pas and 80 per cent in Swan River areas. Field peas harvest is 95 per cent complete. Soybeans are podded with 15 per cent of the acres at R7 stage.

Some post-harvest field work has taken place, dependent on time and weather conditions.

Frequent rains continue to stall second-cut hay and greenfeed harvest. Heavy rainfall in some areas caused field access issues. Feed quality will be an issue in crops that have been rained on multiple times in the swath.

Central Region

Moderate to warm temperatures through the week allowed for continued good crop growth. Many areas received

rain showers that have interfered with harvest progress. Weekend storms resulted in some hail with no significant damage reported to date. High humidity continues to limit drying conditions and interfere with haying operations. Standing water is still a concern and field access continues to be an issue. Tracks are still being made by swathers and combines, and equipment is getting stuck in the wettest fields. Harvest is slow, as moisture levels in the grain remain high, but progress is being made. Tough grain is being put in aeration bins or the grain dryer when necessary.

recessary.
Fall rye and winter wheat harvest is complete. Yields range from 65 to over 100 bu./acre for winter wheat, with an average ranging from 75 to 85 bu./acre. Protein levels range from 11 to 11.5 per cent to date. For fall rye, yields range from 75 to 110 bu./

The majority of the cereal crops is harvested in the eastern part of the region, with good progress made throughout. Hard red spring wheat yields range from 30 to 75 bu./acre, to date, and CPS varieties up to 90 bu./ acre. Protein is variable, with early reports of 12.5 to 15 per cent. Barley is in the 70 to 100 bu./acre range; some has made malt, but reports of higher fusarium in many fields are a concern. Oat harvest continues, with yields also impacted by excess moisture in some areas. Yields range from 80 to 175 bu./acre.

Swathing and harvest of canola continues. Pre-harvest applications and swath timing has been a struggle due to uneven stands. Canola yields range from 10 to over 50 bu./acre, with an average to date around 30 bu./acre. The majority of the peas is harvested. Flax is maturing; pre-harvest applications continue. Perennial ryegrass is being harvested, with struggles related to the wet conditions and high humidity, including sprouting. No yield reports to date.

Corn is growing rapidly and most fields are at dent stage (R5). Soybeans continue to flower and pod. Fields range from R5 to R6, with some leaf colour change showing signs of maturity. Cutting continues in the most advanced edible beans; some light-red kidneys are harvested. Sunflowers are as advanced as the R7 stage and starting to turn. There is lodging and snapped stems in some corn and sunflower fields due to wind damage. Excess moisture has resulted in some shortened stands as well.

Eastern Region

Last week was drier with rainfall from two to 12 mm. Good harvest progress was made with cereal crops and canola. However, there were intermittent isolated showers that paused operations. It has been a challenge for producers to harvest cereal crops and canola at moisture contents dry enough to put into storage. Producers are using aeration to dry grain to safe storage moisture levels. Also, field access has improved but varies. During some harvest operations, ruts are being made or in other cases, wet areas of fields are being avoided. Producers are preparing to seed winter wheat into canola

Winter wheat harvest is complete with yields ranging from 60 to 95 bu./acre, with an average yield of approximately 75 bu./acre. Protein levels are at 11 per cent or higher. Fusarium head blight levels are lower than expected. Harvesting of spring wheat is about 60 per cent complete. Yields range from 50 to 75 bu./acre with an average yield of 60 bu./acre. Quality is good with much of the crop being graded as No. 2 so far. Fusarium head blight levels are lower than expected.

Canola harvest is in full swing with yield estimates in the 35 to 40 bu./acre range. Swathed canola fields are awaiting harvest while the remaining standing fields are scheduled for straight cutting. Canola harvest is estimated at 30 per cent complete. Field pea harvest is complete. The soybean crop is at the R6 stage. Sunflowers are in the R7 stage. Corn is at R4 to R5.

Interlake Region

There were scattered showers throughout the week resulting in varying amounts of precipitation. In the North Interlake, rainfall ranged from 20 mm up to 80 mm in the Arborg, Fisher Branch and Riverton areas. In isolated areas, hail and strong winds were reported with minor crop damage. The South Interlake received trace amounts of precipitation.

Winter wheat harvest is complete. Yields ranged from 60 to 80 bu./acre with protein contents around 11 per cent. Spring wheat continues to be harvested with yields ranging from 40 to 60 bu./acre, with some reports of 70 bu./acre. Protein levels are around 13 to 13.5 per cent. Barley yields are averaging 60 to 80 bu./acre, and oat yields from 90 to 130 bu./acre. Canola yields range from 40 to 50 bu./ acre on the earlier seeded fields. Field pea harvest continues with yields ranging from 40 to 50 bu./

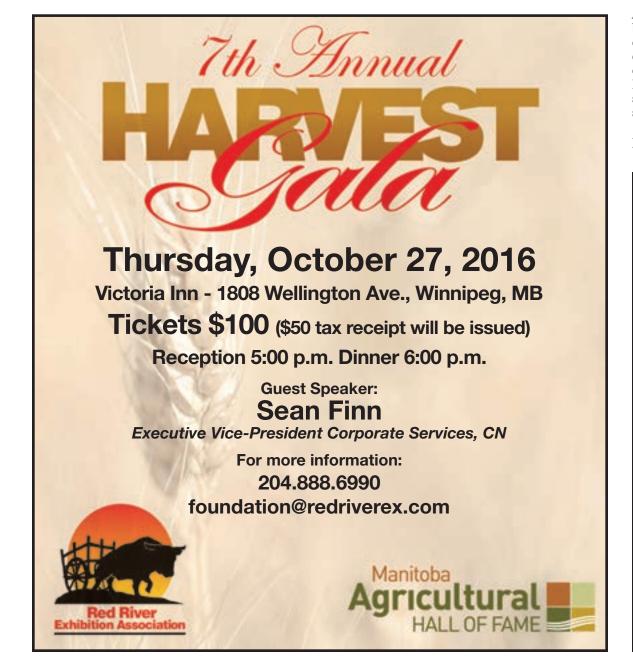
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The Manitoba Co-operator | September 1, 2016

Food industry wants input on manufacturing study

Food processing is a big export sector

BY ALEX BINKLEY

Co-operator contributor

Food processor associations — and likely other agri-food industry groups — will respond to a call for ideas on the future of Canada's manufacturing sector.

The Commons industry committee has requested written submissions on ways to boost Canada's small, medium and large manufacturing companies.

The committee opened its examination of the topic in June, with public hearings with a small group of national associations and expert witnesses, before issuing the call for briefs. None of the sessions so far were with the agrifood sector, although they may have their chance when the committee resumes hearings in the fall.

Carla Ventin, vice-president of federal government affairs with Food & Consumer Products of Canada, said her organization had already requested an opportunity to present its views to the committee in the fall. It will likely submit a brief as well.

Christopher Kyte, president of Food Processors of Canada, said his group will be responding to the committee's request.

The Canadian Agri-Food Policy Institute hopes to appear before the committee to outline its work on developing a national food policy and identifying the sector's importance to the national

economy.

Statistics Canada has reported that for 2015, only transportation equipment industries, at \$10 billion, posted higher sales than food manufacturing, at \$7.9 billion. The food industry posted a 4.6 per cent increase in sales during 2015, which was among the strongest for all the sectors noted by StatsCan. The sales include both domestic and export.

Sales in January 2016 reached \$8.4 billion compared to \$7.9 billion in January 2015.

Later this year, the committee will report its conclusions and recommendations to the Commons. A key part of the committee's work will be identifying measures needed to restore manufacturing as a strategic sector for economic development.

The MPs also want to review the causes and consequences of manufacturing job losses and ways to improve the domestic manufacturing sector as well as analyze the state of industrial innovation.

Their report will also propose solutions "to strengthen the manufacturing sector as well as protect and promote manufacturing employment and training to fill skills shortages in the domestic labour force."

Agriculture Canada says the sector ranging from the farm through the processer to the retailer generates almost seven per cent of the Gross Domestic Product. It provides one in eight jobs in Canada, employing over 2.2 million people. With the global population expected to reach 9.5 billion in 2050, compared to just over seven billion currently, the agri-food sector should have a growing demand for its products. Canada is already the fifth-largest food exporter in the world

SUNNY DAYS



A sunflower field in the Melita area captures the last warm rays of summer as autumn looms. PHOTO: CARLEE KNIGH





The Manitoba Co-operator | September 1, 2016



I WILL NOT STOP.

I will wake the rooster and be the one who decides when it's time to quit. I will succeed by working with whatever Mother Nature provides and place my respect where it is earned. I will actively pursue perfection.





O-66-08/16-10590104-E

Chefs to celebrate pulse crops

A special pulse menu is part of a six-month project to celebrate Canadian cuisine

STAFF

The Manitoba Pulse and Soybean Growers are teaming up with a consortium of chefs who are celebrating — while simultaneously creating — a uniquely Canadian cuisine.

The Sentruhl Project (pronounced central) is spending the next six months inviting Manitobans to dine with them every Saturday and Sunday, when the chefs will prepare a new tasting menu, inspired by a specific place, time, or culture of Canada.

On Sept. 25 they'll be at Hawthorne Estates, about 25 minutes north of Winnipeg for an event they've dubbed Prairie Pulse: A Sunday Dinner.

"It's the International Year of Pulses. They're healthy. They're tasty. And we've partnered with some great chefs to not only showcase new, flavourful pulse recipes, but also to show Manitobans that these crops are grown in their province and are incredibly good for you and

the planet," said Toban Dyck, MPSG's director of communications. "It'll be a true celebration of Manitoba food and agriculture."

Dinner tickets are \$70 per person, with a three-course sampler of wine or beer for an additional \$15. Transportation from Winnipeg to Hawthorne Estates will be available for \$10 per person. Tickets are available for purchase through Sentruhl. Contact sentruhl.wpg@gmail. com or call 204-590-6818.

"We couldn't be more excited to be working with MPSG on this project," said Sentruhl chef, Gordon Bailey. "We love cooking with pulses, and have for quite some time. The opportunity to bring people together in a beautiful, rural environment to eat and learn about food that grows in Manitoba soil is, for us as chefs, one we won't soon forget. And we hope you won't,

Every week leading up to the event, the chefs at Sentruhl will be releasing a new, pulsefocused recipe on their social media channels.

NEWS

Canadian Young Speakers for Agriculture competition online registration open

STAFF / With a key competition registration deadline approaching, Canadian Young Speakers for Agriculture has unveiled a new website making it easier for prospective participants to register.

The bilingual site also features a photo gallery that media will find useful to showcase their respective provinces' participants and winners post-competition, as well as the CYSA promotional video.

Participants wishing to compete in CYSA 2016 are reminded that the deadline to register is September 30, 2016 at midnight.

The topics for 2016 are:

- What is the impact of public opinion on Canadian
- How would you explain a GMO to a non-farmer?
- What does the next generation of agriculture bring to the
- How can we improve the media's perception of Canadian agriculture?
- Old MacDonald had a farm...But what about Mrs.

The competition is held annually at the Royal Agricultural Winter Fair in Toronto and is open to youth ages 11 to 24 with a passion for agriculture whether raised on a farm, in the

The national, bilingual competition gives participants an opportunity to share their opinions, ideas and concerns about the Canadian agri-food industry in a five- to sevenminute prepared speech.

The website is at www.cysa-joca.ca.

Goalie on the lam for beer heist

STAFF / The Mounties are hot on the trail of what might be a counterfeit goalie.

On August 15, at 3:38 a.m., there was a break-in at a beer vendor in Russell, Man. Video surveillance recorded two men entering the store and making off with cases of beer.

The first was wearing mitts or gloves, a large coat, a ball cap and had his face covered. The second suspect was dressed as a goalie, but the investigators have their suspicions the goalie might be a defenceman or forward in disguise, "... as he was wearing jersey No. 17 — a non-traditional number for goalies," the press release reads.

He is described as having a medium build, wearing a blocker, trapper and carrying a goalie stick.

You can see the full vido here: https://youtu.be/ D9BlJ6gfGNA.

Anyone with information about this theft or who has played against a goalie matching this description should call Russell RCMP.

CONNECTING RURAL FAMILIES

New book details the rewards and challenges of rural medicine

Both sad and lighthearted stories share the experience of what it's really like to be a doctor practising somewhere in rural Canada

BY LORRAINE STEVENSON

Co-operator staff

octors can't talk about their work, but when they write about it, the stories they tell can make you laugh and cry — and see their profession in a whole new light.

Dr. Paul Dhillon realized those stories weren't being told after assuming his post as a family physician.

He works for the Saskatchewan Medical Association, providing relief services for other physicians, spending his days travelling to small rural and remote communities throughout Saskatchewan and the Northwest Territories.

His patients were amazing people, and while he learned to cope with the solitude, long hours and intense demands of his job he was moved to write a few stories of his own. Stories like the one about presenting a birthday cake to a farmer, soon to die from cancer, who'd been too busy most of his life to bother with birthdays.

A friend encouraged him to collect and publish other rural doctors' stories too, said Dhillon.

The result is *The Surprising Lives of Small-Town Doctors*, edited by Dhillon and published by University of Regina Press. It contains 40 stories from doctors describing what it means to be a rural physician somewhere in Canada.

"These stories are normally only shared physician to physician," said Dhillon in an interview.

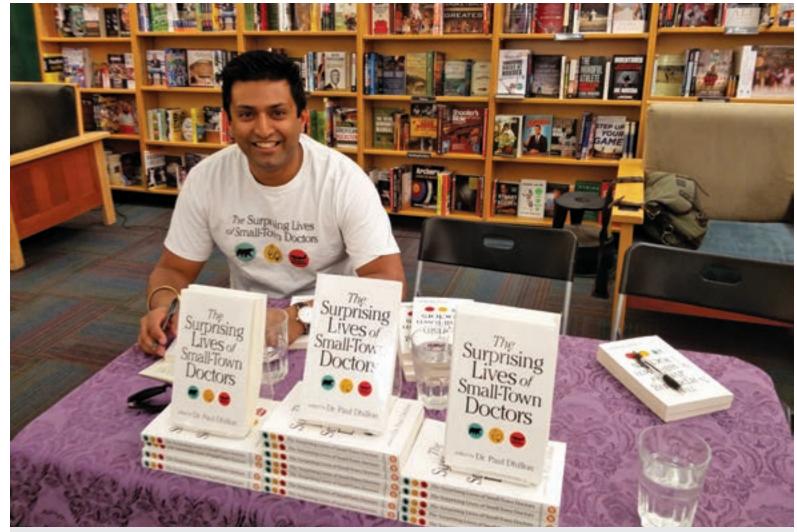
"I think they give a really honest and sometimes harsh insight into what it's like being not necessarily someone of importance, but with a really important job in the community and the stress associated with it."

For one thing, being the local doctor can be a lonely experience, says Dhillon. Doctors have few release valves for the stress they experience on the job, and that's especially so for rural physicians.

"You're really sort of isolated. You have friends, but you're never going to be able to talk about the stressful things you deal with at work," he said.

Doctors also work exceptionally long hours and feel intense pressure when the health of an entire town or region is depending on them.

But those who set down their stethoscopes and penned a story for this volume aren't describing just the challenges, stress, long hours and/or even frightening experiences of their rural practices. The book tells compelling stories of some of



Dr. Paul Dhillon is editor of a new book of stories written by 40 rural Canadian physicians. The book was launched this past spring and is published by University of Regina Press. PHOTO: SUPPLIED

the most profound and pivotal moments in their careers.

In short, it's a glimpse into what being a rural doctor is really like, says Dhillon.

"Ultimately, physicians choose that path and they get huge amounts of fulfilment from their work as well," he said. "You wouldn't put in a 120-hour week and think it's normal if you didn't really enjoy the work. I think that comes out of the book as well."

Dhillon said he hopes the book will help medical students who often shy away from becoming a general practitioner in a rural area to find out what this part of the profession is actually like, rather than what they imagine it might be.

"To me that's the greatest job in the world, to be a GP, especially in rural areas," he said. But many young doctors would rather become specialists and practise in larger urban centres working with other medical professionals.

Dhillon hopes to publish findings from some additional research he's now doing into the transition from medical school into rural practice, asking medical students to share their thoughts and concerns about doing so.

"My current research is looking into how comfortable physicians are working in rural areas and why they might actu-

ally be hesitant to work in rural areas," he said.

The research will try to actually quantify the workload of a rural physician, and how often they experience traumatic events like major car accident with multiple victims. New doctors often express fear about having to handle those kinds of things as a solitary physician.

"We are trying to figure out if there are real and/or perceived fears of going straight into rural practice after training," said Dhillon.

The Surprising Lives of Small-Town Doctors is also a helpful read for those charged with the work recruiting and retaining rural physicians.

The rural physician shortage is not something fixed with money alone, although financial incentives are important, especially for young graduates carrying debts from med school, said Dhillon.

"I don't think they are the full picture," he said. Communities that pay closer attention to the broader needs of a physician, and doing things like finding opportunities for doctors' spouses if they move there, tend to make more successful matches.

Recruitment agencies are more attentive to these kinds of things nowadays, he added.

However, it's a natural fit for



those who know what rural life is like to be inclined to live and work there. The aim with this book — and ongoing research — is to get more young doctors excited about a rural practice.

Dhillon says he discovered it for himself, after growing up in the city

"When I go back now, and sit in traffic for 45 minutes it's depressing," he said. He once calculated if he commuted an hour to work every day, he'd spend 520 hours a year at it.

"That's two months a year, literally sitting in my car.

"When I'm working in some of these small communities, why would I drive? I'll just walk. And I go home for lunch with my wife every day. Stuff like that is hugely important for my quality of life."

lorraine@fbcpublishing.com

Prairie fare









Storing and preserving garden tomatoes

Eventually every year there comes a time when you can't keep up to the tomato patch

BY GETTY STEWART



s there anything better than the first bite of a vine-ripened, sun-kissed garden tomato? As our first tomatoes ripen, we enjoy them just as they are on buttered toast or BLT sandwiches. As more become available there's bruschetta, pasta dishes, pico de gallo (fresh salsa) and endless salads. My mouth is watering just thinking about it.

Inevitably, there are more tomatoes than we can eat. At this point, harvesting, storing and preserving become the challenge. It's not that preserving tomatoes is difficult, it's just tricky to harvest enough ripe tomatoes before the frost hits on a day when you're not needed elsewhere. The tomato harvest is always at the busiest time of the year!

Once you do harvest them, here are some tips and recipes for storing and preserving tomatoes.

Storing and ripening

If your tomatoes are being threatened by frost, pick them and ripen them inside. Store tomatoes in a single layer in a newspaper-lined, shallow box. The warmer the storage temperature the faster the tomatoes will ripen. Storing them with ethylene gas producers like bananas or apples will ripen them even faster. To slow their ripening, store them away from other produce in a cool, dark, dry space.

They'll keep even longer if you wrap each tomato individually. Check and rotate them frequently and remove any that show signs of decay. Never store cut, bruised or frost-damaged tomatoes as they will spoil very quickly.

Freezing

When time is limited, tossing handfuls of ripe tomatoes in the freezer is a quick and easy solution. You can use them as is, or can them later if you need to free up freezer space.

Raw tomatoes can be frozen whole, chopped or puréed, without any blanching, by simply placing them in a freezer container. They can be frozen with or without the peel, which slips off easily when thawed. While they retain their flavour, frozen tomatoes will be quite mushy when thawed.

Any style of cooked tomatoes can also be frozen by simply placing them in a freezer container.

Drying

According to the USDA, tomatoes labelled "sun dried" do not actually have to be dried in the sun. In fact, very few actually are. You can make your own sun-dried tomatoes in an oven or dehydrator. The best tomatoes for drying are paste tomatoes that aren't as juicy as slicing tomatoes, but given enough time, any variety can be dried.

To dry tomatoes in an oven, cut tomatoes lengthwise in quarters, remove liquid and seeds, place on cooling racks and bake at



65 C to 95 C (150 F to 200 F) for 10 or more hours until tomatoes feel leathery throughout. For bigger quantities a dehydrator is a good option.

Canning

Canning tomatoes using a hot water bath is my preferred way to preserve tomatoes. It takes a little more prep, but it's a convenient way to store a large bounty of tomatoes. Because tomatoes fall on the border of safe acidity levels, extra acid is required to make them safe for hot water bath canning. Always use trusted sources when canning tomatoes or tomato-based products.

When canning salsa or tomatoes with herbs extra care should be taken to ensure proper acid levels are met. Canning prepared tomato products like soups, stews or anything with meats, fish or poultry requires pressure canning.

Here are some tasty canned tomato recipes to try.

Tomato Jam

A delicious savoury jam to serve with cream cheese and crackers. Makes an excellent gift.

4 lbs. tomatoes

2 - 3 tsp. hot pepper flakes

2 tsp. grated ginger

1/4 c. lemon juice

1 box no-sugar-needed powdered pectin

1 c. suga

Wash firm ripe tomatoes (any type). Scald, peel, and chop tomatoes. Place in saucepan and heat stirring constantly to prevent sticking and burning. Cover and simmer 10 minutes, stirring occasionally. You should get 4 cups of liquidy tomatoes. While tomatoes are simmering, sterilize jars by boiling in water for 10 minutes. In large saucepan, combine 4 cups of the prepared tomatoes, hot pepper flakes, ginger, lemon juice and no-sugarneeded powdered pectin. Stir until pectin is fully dissolved. Over high heat, bring mixture to a full rolling boil, stirring frequently. Add sugar. Stir constantly and return mixture to a full rolling boil for 3 minutes. Remove from heat. Pour into hot, sterilized jars leaving a 1/4-inch headspace. Wipe rim of jars and apply two-piece lids tightening ring finger tight. Place jars in hot water bath and process for 5 minutes. Allow jars to rest in canner for 5 minutes, then remove and cool.

Makes: 5 jam jars (250 ml) or 10 125-ml jars Source: www.GettyStewart.com

Canned Chopped Tomatoes

Hot packed, chopped tomatoes without the peel. You could leave tomatoes whole, with peel on if you prefer.

10 kg (22 lbs.) tomatoes

210 ml lemon juice

Wash tomatoes and remove any blemishes. Peel tomatoes. Make a small X on bottom of each tomato with a knife, place in boiling water for 60 seconds, transfer immediately to ice water bath and peel. Chop tomatoes and add about 500 ml into a large stock pot. Bring to boil while stirring and crushing to extract juice. Continue adding 500 ml at a time to ensure even crushing. This technique helps prevent tomatoes from floating later. Boil for 5 minutes. Pack hot tomatoes into clean, hot jars, leaving a 1.3-cm headspace. Add 20 ml lemon juice to each litre (quart) jar. Seal with hot sealing lid and add screw band tightening only finger tight. Place in hot water bath for 45 minutes. Allow jars to rest in canner for 5 minutes, then remove and cool.

Makes: 7 litre (quart) jars Source: www.gettystewart.com



Canned Tomato Salsa

Enjoy homemade salsa year round with this hot water bath canned salsa.

7 quarts peeled, cored, chopped paste tomatoes

4 c. seeded, chopped long green chilies

5 c. chopped onion

1/2 c. seeded, finely chopped jalapeño peppers

6 cloves garlic, finely chopped

2 c. bottled lemon or lime juice

2 tbsp. salt

1 tbsp. black pepper

2 tbsp. ground cumin (optional)

3 tbsp. oregano leaves (optional) 2 tbsp. fresh cilantro (optional)

Combine all ingredients except cumin, oregano and cilantro in a large sauce pot and heat, stirring frequently, until mixture boils. Reduce heat and simmer for 10 minutes, stirring occasionally. Add spices and simmer for another 20 minutes, stirring occasionally. Ladle hot into clean, hot pint jars, leaving 1/2-inch headspace. Remove air bubbles and adjust headspace if needed. Wipe rims of jars with a dampened, clean paper towel. Apply two-piece metal canning lids.

Process in a boiling water canner for 15 minutes (pint jars).

Makes: About 16 to 18 pints (500-ml jars) Source: National Center of Home Food Preservation

ndrew Jackson settled himself into the folding chair he had just set up in the shade of the big old elm tree in front of the Jackson house and took a sip of his beer. The shade gave welcome relief from the bright summer sun which shone down on the rest of the yard. Andrew hadn't been seated for more than a minute before Randy set a chair down beside him and sat down.

"Well, what do you think?" said Randy. "Heckuva party," said Andrew, surveying their surroundings. "A lot of people here. I'm

"Why are you surprised?" asked Randy. "You shouldn't be. You know all the neighbours like you, and you have a ton of friends...'

"That's not why I'm surprised," said Andrew. "I'm surprised because I remember distinctly saying I didn't want a party, and yet here we are." He gestured around at the crowd of people standing or sitting around the large front lawn. "That is definitely a party," he said.

"It's definitely not," said Randy. "It's an open house. Mom said since you didn't want a party, we'd just have an open house. So that's what it is." He paused to wave a goodbye to Robert Baird who was getting into his Silverado across the yard. Robert waved back and yelled something that sounded like "great party," but it was hard to make out against the hum of conversa-

tion coming from the guests still on the lawn. "He said great party," said Andrew. "I knew

"No he didn't," said Randy. "He said... he said great pear tree." Randy pointed upwards. "He thinks this is a pear tree, I guess. He's not very educated about trees obviously. But he defi-

nitely didn't say party."

"Have it your way," said Andrew.

"Anyway," said Randy, "it's not every day you turn 55. Some form of celebration is called for." He extended his own half-empty beer bottle towards his father. "You deserve it old man," he said. "Enjoy it."

Andrew reached over reluctantly and clinked his bottle against Randy's. "Thanks kid," he

"No problem," said Randy. "Oh oh, gotta go," he added jumping up and heading off quickly across the lawn. He had no sooner left the



By Rollin Penner

chair than Jennifer appeared and plopped herself down in it.

"Where's Randy off to in such a hurry?" she

"He's got an Ally-oops to take care of," said Andrew pointing to where Randy's little daughter Allison was struggling to extricate herself from the lilac hedge she had somehow

managed to fall into. Jennifer laughed.
"Ally-oops!" she said. "Good one! Did you just make that up?"

"I did," said Andrew. "Though most of the

credit should go to Ally."

"True enough." Jennifer paused to look around the yard. "You sure have a lot of friends," she said.

"Yeah," said Andrew. "And nothing brings them out of the woodwork like telling them there's free food."

Jennifer laughed. "These people are here because they like you Dad," she said. "It makes me proud. I'm not the only one who knows how special you are."

"Aw, you're so sweet," said Andrew. "If anybody else said that I'd be like pshaw, you're just saying that. But coming from you...

"You can trust my judgment pops," said Jennifer. "Oh look! It's Kendra!" she added, pointing. She jumped up. "I didn't think she was coming! Talk to you later!"

"Having fun daddy-o?" Brady had wandered over and with perfect timing, took over the

Andrew smiled. "Yeah, this is pretty cool," he said. "I can't believe you guys put this

"It was pretty easy," said Brady. "We just sent out a bunch of invitations that said, 'free food, 2 p.m. August 28,' and everybody showed up."

Andrew laughed. "That's what I just said to Jennifer. But she said they all came because they like me."

"Meh," said Brady. "Pretty sure it's the free

"Thanks," said Andrew. "I can always count on you. It's too much pressure thinking these people are all here because they think I'm some sort of nice guy or something. I can't live up to that."

"Exactly," said Brady. "Nor should you have to pretend to be a nice guy. You should just be able to go on being the curmudgeonly old grump that I kinda sorta like, most days, depending.

"I can do that," said Andrew.

"Meantime," said Brady, "happy birthday. And you better make sure there's many more

"Hey boys." Rose had appeared behind Andrew's chair and reached down to put her hands on his shoulders. "Having fun?"

Andrew tilted his head back to look at his wife. "Absolutely," he said. "Best party ever." "Open house," said Rose.

Andrew grinned. "Open house," he said. "I stand corrected.'

Ground cherries — interesting fruit-bearing plants

They require a long growing season but you'll be rewarded with succulent fruit

BY ALBERT PARSONS

Freelance contributor

ecades ago farm gardens used to contain every vegetable imagable and often several kind of fruit trees and bushes as well. This is not the case anymore as busy farm families often have neither the time nor the desire to care for a large garden. Some however, still grow new or unusual things and maintain a small vegetable patch where they may grow a few tomatoes as well as some things that have caught their attention.

One such plant is the ground cherry (sometimes called Cape gooseberry or husk cherry). These are interesting plants to grow bearing succulent fruits in late summer and fall that have a variety of uses. They can be used to make glazes for savoury dishes, sauces for desserts, salsa, BBQ sauce, and even pie filling. Some people dry the cherries for winter use.

Ground cherries require a long growing season so plants have to be purchased from a garden centre in the spring, or seeds must be sown indoors in early to mid-March if the plants are going to produce much of a crop. The seeds will take at least 10 days to germinate. This is a warm-weather crop so the plants should not be planted out-



Ground cherry plants with flowers and immature fruits on their branches. PHOTO: ALBERT PARSONS

doors until the weather has warmed up — usually late May or even early June. Ground cherries are not at all frost tolerant and their growing season will end with the first fall frost so there is an urgency to get the plants into the ground as soon as possible. Planting them outdoors in the spring before the weather is consistently warm, however, will set the plants back and they will not perform well.

The ground cherry is an heirloom plant — it has been around for a long time, and is a relative of the tomato. The foliage resembles that of a tomato; it is hairy and has segmented leaves.



Harvested ripe ground cherries. PHOTO: COURTESY

The plants grow about the size of a tomato plant as well, getting about 50 cm tall and 60 cm wide. Grow plants in full sun, and although they are large and sprawling, they do not need to be staked.

Bloom and fruit will be produced throughout the summer. The fruits resemble small Chinese lanterns, and each cherry is enclosed within a papery husk that gradually turns beige as the cherry ripens. When the cherry is fully ripe it will drop to the ground and can be harvested. During a hot summer, one plant can produce up to 300 fruits. Placing a layer of thin weed bar-

rier under the plants will facilitate the collection of the fallen cherries. The fruit with the husk attached is slightly oblong but when the husk is opened a perfectly round cherry is exposed. The cherries can be up to two cm in diameter, but are often slightly smaller than that. One way to tell if the cherry inside the husk is ripe is that the husk will be brittle and papery and make a crinkling sound when handled. It will be yellow in colour — if it is still green leave it exposed to light at room temperature for a few days to ripen. Green ground cherries are not edible.

Ripe ones can be stored in the fridge in their husks for up to a month and ripe cherries that have had their husks removed can also be stored for several weeks, making it convenient to collect enough cherries for a recipe. The fruit is sweet and delicious, having a slight pineapple flavour.

For farm gardeners who don't have a vegetable patch or for those urban gardeners who lack space to grow Cape gooseberries in the ground, the plants can be grown in containers. Choose large containers and unless the containers are unusually large, one or two plants will fill. Whether grown in the garden or in containers, the ground cherry is an interesting plant to grow.

Albert Parsons writes from Minnedosa, Manitoba

Reena has some household solutions

Here's a variety of tips to try around the home

REENA NERBAS

Household Solutions



- Save all of the cookie crumbs in the bottom of cookie boxes. Use your food processor to grind them into fine crumbs. Perfect for all kinds of cake and cookie recipes.
- Pigeon problems? Screen the birds out of wall recesses and window ledges with fine-mesh chicken wire sold at hardware and garden shops. Also, sheets of plastic with plastic spikes at narrow intervals are available in hardware shops for use on flat roofs or window ledges. It is impossible for pigeons to perch on them or find a comfortable foothold.
- Discourage mice from visiting areas around the home, car or barn by shaving several bars of Irish Spring soap and sprinkling them wherever mice tend to gather. Tip: Discourage rats and mice with the help of a weasel. They'll soon be gone.
- Transfer your jelly to a small plastic squeeze bottle; no more mess, sticky jars or knives! This also works well for homemade salad dressing!
- Concrete that has black colouration from weather is usually moulded. Spray bleach water on the concrete with one part bleach to three parts water. Brush in and let set. Then wash off.
- Wax paper taped inside slatted closet doors will help to keep out moths and dust.
- The best way to hammer a small nail into the wall is to use a small comb to hold the nail.
- For all of the little wastebaskets around the house use this housecleaner's trick. Keep folded garbage bags underneath the liner being used. That way you don't have to track down another liner after you empty the basket.
- Next time you make fajitas add cooked pork, peppers, onions and seasoning to your baking pan. Then, cook powdered onion soup and water on the stove. Thicken soup with cornstarch (the way that you would for gravy). Add this to the fajita pan for great flavour and texture. Bake to heat.
- Store birdseed in a 20-gallon garbage can. This
 is inexpensive, holds more than a 50-pound
 bag of seed, fairly easy to carry because of the
 handles, comes with a lid, and is easy to access
 seed for quick filling of bird feeders. Less mess,
 and less time.



For less mess use plastic squeeze bottles to serve jam or homemade salad dressing. PHOTO: THINKSTOCK

- For painting crafts, use an empty egg carton to place puddles of paint colours in. When finished, dispose of carton. No mess to clean!
- Make ripe tomatoes firm again. Dip tomatoes in cold water, add some salt and leave overnight.
- Make leafy vegetables crunchy again. Cut the stem off and separate the stalks. Add threequarter cup granulated sugar to a vessel filled with cold water. Place vegetables inside. Soak for four to five hours. Drain well and refrigerate.
- To save real snowflakes; wait until the temperature is -10 or colder outside. Collect snowflakes on microscope slides (do not use your fingers). Cover the snowflakes on the slide with a drop of Super Glue (not gel). Put a cover slip over glue; don't press. Store slide in the freezer for two weeks without touching it. This allows the glue to completely harden before you remove the slide from the freezer. Examine slide with a microscope and take notice of how no two snowflakes are alike.

I enjoy your questions and tips, keep them coming. Need a professional presenter for your upcoming event? Check out my website reena.ca.

READER'S PHOTO



Stopping for a rest on a hot day. 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

n 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.



Constructed in the summer of 1938, a wooden elevator at Rignold (formerly Ridgeway) on the CNR Gladstone Subdivision, in the Rural Municipality of Portage la Prairie, was operated by United Grain Growers. An annex was added to it in 1955, bringing its total capacity to 82,000 bushels. The facility is believed to have been demolished sometime after 1994.

PHOTO: AGRICORE UNITED ENGINEERING DEPARTMENT, TOM PRICE (MGR), PROVIDED BY GLENN DICKSON



Big Iron 2016 show set to kick off

The 36th annual event will celebrate agriculture and showcase innovation

rganizers of the 36th annual Big Iron Farm Show are promising attendees "three days of agricultural advancements" during the annual three-day celebration of agriculture in Fargo, N.D.

This includes more than 900 exhibit booths, training sessions, equipment demonstrations and opportunities to see the latest innovations in agriculture. The Big Iron Farm Show showcases the newest agricultural products and services, while continuing the traditions that launched the show.

It runs September 13-15, 2016 on the Red River Valley Fairgrounds, located at 1805 Main Ave. W., in West Fargo. The three-day event strives to educate farmers and ranchers from around the world about cutting-edge agricultural products, equipment, technology and services. Chat with other farmers and ranchers, visit with exhibitors and learn about the latest technology and products.

Visitors will find other new innovations at the Big Iron Farm Show, as companies often unveil new equipment at the event. The field demonstrations this year will focus on side-dressing fertilizer equipment and educational sessions related to inseason fertilizer management, with educational sessions and equipment demonstrations from 1 to 3 p.m. each day south of the Red River Valley Grandstand.

Chat with other farmers and ranchers, visit with exhibitors and learn about the latest technology and products.

Along with the introduction of new equipment and technology, the 36th annual Big Iron Farm Show will include a celebration of rural living: North Dakota Living sponsors daily health screenings at the Health and Safety Center, Horticulture Building. Another tradition is the Ladies Brunch and Style Show, which will be held from 10 a.m. to 1 p.m. Sept. 14, at the Hilton Garden Inn in Fargo. Plus, important farm issues will be discussed at the Red River Farm Network Issues and Events Center, located in the Morton Building in the centre of the grounds.

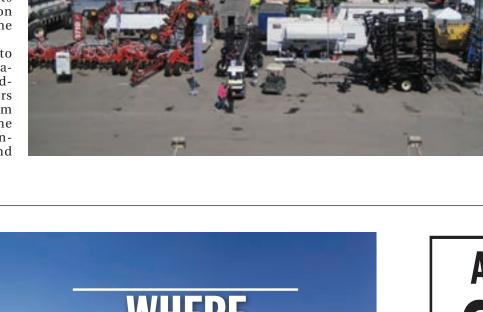
Visitors are encouraged to use the Big Iron app that features event sponsors, schedules and the list of exhibitors to help get information from the palm of their hand. The app is available for download in the Apple store and Android market.







PHOTO: CRED





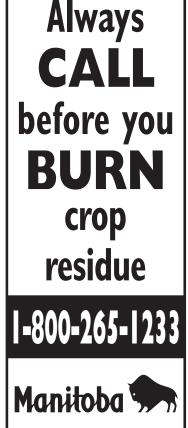
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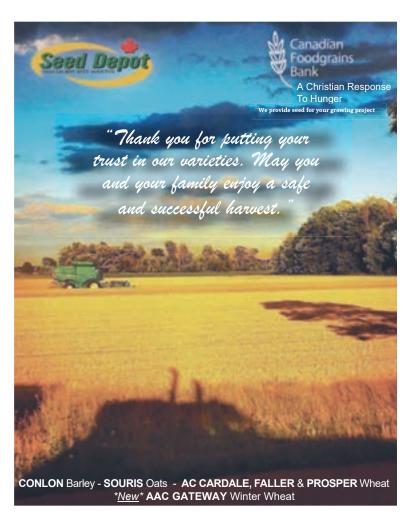
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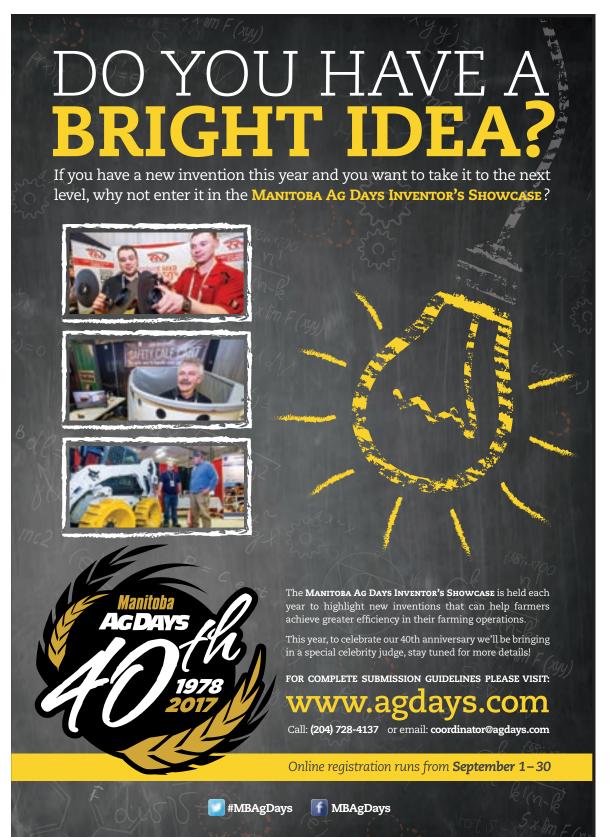
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BIG FARM SHOW

Schedule of daily events

2016 Big Iron Farm Show

Tuesday, September 13 Show hours 9 a.m. to 5 p.m.

7:30 to 10:30 a.m.

- Pancake and sausage breakfast with goodwill donation
- Third building west of the N building
- Sponsored by NorthStar Genetics

9 a.m. to 4 p.m.

- Health Screenings
- Health and Safety Center Horticulture Building
- Sponsored by North Dakota Living

10 a.m. to 3:30 p.m.

- United Blood Services' Bloodmobile
- Health and Safety Center Horticulture Building

10 a.m. to 5 p.m.

- Craft Show
- Lucien Barnes Pavilion & Dawson Hall - Bonanzaville

10:30 a.m.

- Ag Weather Outlook
- Drew Lerner World Weather Inc.
- Red River Farm Network Issues and Events Center -Old Morton Building

1 to 3 p.m.

- Field Demonstrations
- South of the Red River Valley Grandstand
- (Weather permitting)
- Sponsored by Farm and Ranch Guide

1:30 p.m.

- Market Outlook Seminar
- DuWayne Bosse BOLT Marketing

• Ted Seifried — Zaner Ag Hedge

- Tommy Grisafi Advance Trading
- Red River Farm Network Issues and Events Center — Old Morton Building

2:30 p.m.

- Land Values Seminar
- Red River Farm Network Issues and Events Center -Old Morton Building

Wednesday, September 14 Show hours 9 a.m. to 5 p.m.

7:30 to 10:30 a.m.

- · Pancake and sausage breakfast with goodwill donation
- Third building west of the N building
- Sponsored by NorthStar Genetics

9 a.m. to 3 p.m.

- ND and MN FFA Foundation Silent Auction
- Red River Farm Network Issues and Events Center — Old Morton Building

9 a.m. to 4 p.m.

- Health Screenings
- Health and Safety Center Horticulture Building
- Sponsored by North Dakota Living

9:30 a.m. to 4 p.m.

- · United Blood Services' Bloodmobile
- Health and Safety Center Horticulture Building

10 a.m. to 1 p.m.

Women's Day Activities

· Including brunch and style show. Doors open at 9 a.m. Come early, seating is limited.

- Tickets may be purchased at the door or in advance by calling 701-282-2200.
- Hilton Garden Inn, Fargo, N.D. Located at 4351 17th Avenue South, Fargo.

10 a.m. to 5 p.m.

- · Craft Show
- Lucien Barnes Pavilion & Dawson Hall - Bonanzaville

10:30 a.m.

- Managing Margins,
- Positioning for Success
- Bret Oelke Innovus Agra • Frayne Olson — North Dakota
- State University • Red River Farm Network Issues and Events Center —
- Old Morton Building

1 to 3 p.m.

- Field Demonstrations
- South of the Red River Valley Grandstand
- (Weather permitting)
- Sponsored by Farm and Ranch Guide

1:30 p.m.

- Market Outlook Seminar
- Ray Grabanski –
- Progressive Ag Marketing Mike Zuzolo — Global
- **Commodity Analytics** & Consulting
- Tregg Cronin Halo Commodities
- Red River Farm Network Issues and Events Center **Old Morton Building**

2:30 p.m.

- · Land Values Seminar
- Red River Farm Network **Issues and Events** Center — Old Morton Building

Thursday, September 15 Show hours 9 a.m. to 4 p.m.

9 a.m. to 4 p.m.

- Health Screenings
- Health and Safety Center Horticulture Building
- Sponsored by North Dakota Living

10 a.m. to 1:45 p.m.

- · United Blood Services' Bloodmobile
- Health and Safety Center Horticulture Building

10 a.m. to 5 p.m.

- Craft Show
- Lucien Barnes Pavilion & Dawson Hall — Bonanzaville

10:30 a.m.

• Seven Wonders of the Corn Yield World/Six Secrets to Soybean Success

- Fred Below Professor of Physiology — University of Illinois
- · Red River Farm Network **Issues and Events Center** Old Morton Building

1 to 3 p.m.

- Field Demonstrations
- · South of the Red River Valley Grandstand
- (Weather permitting)
- Sponsored by Farm and Ranch Guide

1:30 p.m.

- Market Outlook Seminar
- Bob Utterback Utterback Marketing
- Luke Swenson Money Farm
- Betsy Jensen Farmer/ Marketing Columnist
- Red River Farm Network Issues and Events Center — Old Morton Building

Big Iron field demonstrations

¬ he Big Iron 2016 field demonstrations will be held daily at 1 p.m. at the demonstration site directly south of the Big Iron Show area.

The field demonstrations will begin with NDSU Extension educational presentations on in-season fertilization recommendations and methods to develop variable-rate fertilization maps.

Equipment companies are invited to demonstrate in-season fertilizer equipment for side dressing and top dressing crops. Each participating manufacturer or retail representative will

have time to describe and demonstrate their equipment.

Educational presentations

NDSU Extension Service

- Side dressing fertilizer in corn;
- Top dressing nitrogen in wheat;
- Preparing in-season fertilization maps using active optical sensors and remote sensing.

In-season fertilization equipment demonstrations

- Company representative discussions;
- Side-dressing equipment;
- Top-dressing equipment;
- Cover crop seeding/side-dressing equipment.



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The Manitoba Co-operator | September 1, 2016

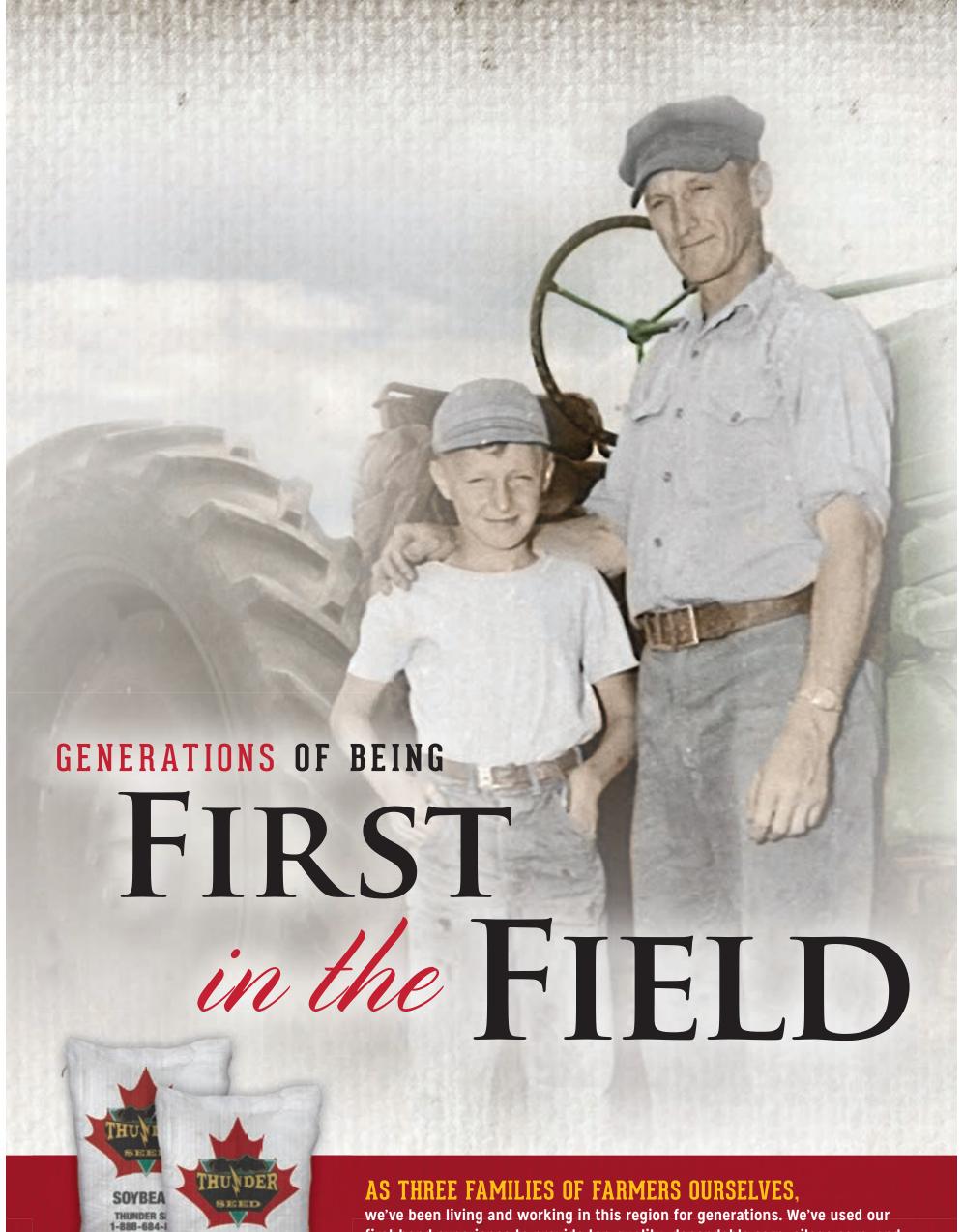












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African smallholders are adopting conservation agriculture techniques

When you're subsisting on three-quarters of an acre, increasing maize production from 32 kg a year to 990 kg is a life-changing event

This summer Stefan Epp-Koop travelled to Kenya as part of a Canadian Foodgrains Bank learning tour, focused on the importance of agriculture in achieving numerous development goals: reducing hunger, increasing incomes, empowering women, adapting to a changing climate, and improving nutrition. Throughout the trip he visited farmers, government officials and researchers, exploring solutions that were being implemented in Kenya. One of the promising practices he saw was conservation agriculture, a combination of minimalor no-till farming, crop rotation and the extensive use of mulching or cover crops.

BY STEFAN EPP-KOOP

Co-operator contributor

A fter a morning driving past field upon field of shrivelled, sparse maize it was obvious that something was different about this farm. As our bus came to a stop, I saw maize that was green, tall, and thick, nothing like what we had seen along our drive through central Kenya.

This particular farm belongs to Jane Wanjiko, who has wholeheartedly adopted the principles of conservation agriculture on her three-quarters of an acre farm. She is using grass and cornstalks to form a thick mulch on her field, showed us how she dug holes for her seeds rather than plowing, and talked about how she is rotating her crops.

As a result of these changes, she has increased her yield of maize from 32 kilograms last year to 990 kilograms today. Her bean production has also increased significantly. This year, she retained so much moisture in her soil after harvesting a crop of beans that she was able to plant an additional crop of maize – that lush field we saw when we arrived. Even though it had not rained in months, the soil under the mulch is still damp and the maize is thriving. Instead of two harvests this year, she is going to get three.

In the past, food aid was common in this area. It was necessary in the short term, but did not create long-term solutions. Now Jane feeds her family from her small farm and has saved enough money from selling maize to start a small café. Her neighbours – who once laughed at her new farming techniques – want to replicate what she is doing.

Just down the road, Lucas Makau, a young entrepreneur who started growing tomatoes on his half-acre plot, is also using conservation agriculture techniques. His field was lush with tomato plants bursting with fruit. He markets his tomatoes, a profitable cash crop, directly to Nairobi, about an hour away. Noting his success, his brother gave him his quarter-acre portion of the two-acre farm. Lucas is using the space to grow watermelons that he will also sell. He used his profits to buy a generator and pump to help with watering. In a few months, he plans to start growing passion fruit once he has harvested his tomatoes.

These are just two of the many farmers who we met who had begun using conservation agriculture to improve their farms. For smallholder farmers, often farming less than a few acres, increasing production is essential for reducing hunger and providing income to send kids



Jane Wanjiko standing in her maize field PHOTOS: EMILY CAIN/CANADIAN FOODGRAINS BANK

Instead of two harvests this year, she is going to get three.

to school or buy necessary household goods.

According to Saidi Mkomwa, the executive secretary of the African Conservation Tillage Network, conservation agriculture actually resembles traditional African agricultural techniques. It was only in the 1940s that deep plowing was introduced in Kenya and sold as the best way to do agriculture. But plowing actually led to soil depletion and turned potentially fertile soils into hardpan.

Farmers also report that the quantity and timing of the rains is changing. Conservation agriculture is giving farmers a buffer when rainfall is unpredictable. By using methods that capture rain when it falls and preserve it in the soil, farmers are less at risk from frequent droughts.

Still, changing practices requires changing mindsets and learning new skills. For decades, farmers were taught that soil needed to be plowed and that crops other than maize and beans were inferior. As a result, many farmers have not grown drought-resistant crops such as sorghum, sweet potatoes, or cassava. Another challenge is that the benefits of conservation agriculture are difficult to see immediately as it takes time to build healthy, moist soil.

To help make these changes easier, farmer groups are working together to facilitate training and learn with each other. The Eka Moke Farmers Group is a group of 20 smallholder farmers that comes together to learn new agricultural techniques and plant drought-resistant



Julius Kitema shares a portion of his land with the Eka Moke Farmers Group for a shared field school (in the background). The land has just been prepared for planting.

crops such as sorghum. The group meets every Friday at a shared field school to learn about minimal-tillage techniques and water-preservation methods such as zai pits, holes with a diameter of 15 to 50 centimetres that farmers plant in and collect rainwater

The group has been around since 2014, and members have already noticed a difference. "Before you needed much land and would harvest almost nothing," the chair Daniel Mungatu Nyamai said. "Now you need much less land."

Crop yields, another farmer said, were up 50 per cent. As a result, poverty was less prevalent and the annual "hunger months" had been reduced from seven or eight to two or three.

Conservation agriculture has the potential to transform smallholder agriculture in Kenya. But it's not a cure-all. There are still challenges, especially accessing markets and getting the necessary seeds

and tools. Farmers are still at the mercy of the weather, even if they can grow more resistant crops or preserve water in the soil. Still, as both farmers and the group at Eka Moke changed their approach to farming, they created new entrepreneurial opportunities, kids are attending school, hunger is substantially reduced, and they no longer have to rely on food

Here in Canada we can encourage more long-term solutions like this by pushing the Canadian government to support agriculture when it funds international development. You can let the Canadian government know that agriculture matters by sending a postcard to the prime minister. Find out more at http://foodgrainsbank.ca/campaigns/good-soil/.

Stefan Epp-Koop is chair of the board of Mennonite Central Committee Manitoba.

First all-industry beef meeting a home run

Organizers more than doubled their expected attendance for the inaugural meeting

BY ALEX BINKLEY

Co-operator contributor

The first-ever Canadian Beef Industry Conference has eclipsed the expectations of organizers.

Event co-chair Rob Smith, CEO of the Canadian Angus Association, said the initial expectations were reasonably modest for the first year.

"We thought we would have 250 attendees and hoped to reach 500," he said.

Instead what they got in Calgary in mid-August was a sold-out crowd of 650, representing every facet of the Canadian beef industry, surprising even the event's boosters.

"It was bigger and better planned than we imagined when starting organizing this last year," Smith said.

Building on that success, organizers are already hard at work on the 2017 event, also slated for Calgary.

Calgary was selected to make the event as useful as possible for attendees with the intention of taking it on the road for 2018 and 2019. "We want to get our legs under us before we go elsewhere," Smith said.

While details will likely come out during the next few weeks, he expects changes from this year's event will be mostly behind-thescene alterations.

Among the potential topics for next year are the contents of Growing Forward 3, which should be public by then, and Health Canada's plan for reducing the use of anti-



Co-chair Rob Smith says next year's meeting will build on the strong foundation of the first event. PHOTO: CANADIAN BEEF INDUSTRY CONFERENCE

microbials that are important to human health.

The Beef Cattle Research Council, Canada Beef, the Canadian Beef Breeds Council, and the Canadian Cattlemen's Association were partners in putting together the conference, which was billed as "the firstever, comprehensive, truly national, "It was bigger and better planned than we imagined when starting organizing this last year."

ROB SMITH

cattle and beef industry event held in Canada." It attracted more than 60 sponsors.

Smith says one positive of the event were the number of younger farmers that participated. "They were engaged."

"We have a lot to celebrate," said Virgil Lowe, conference co-chair and also an associate with Dentons Canada LLP. "The momentum and strengthened connections established here will help drive ahead the National Beef Strategy and all of our interests for years to come.

"There were a lot of great discussions and strengthening of relationships that took place informally. Already we have received a lot of feedback that this was a very positive event and step forward for our industry."

Smith says the conference speakers delivered a lot of philosophical and practical information.

"I know it will impact our own operation," he said.

One message that came out strongly is that all farmers need to start making succession plans in their 50s rather than waiting until they reach 70, he noted.

A presentation by Earls restaurants of Vancouver about why it dropped plans to only sell American beef was an eye-opener for many attendees.

Smith says an element to the conference were the opportunities for networking among delegates, which helped producers realize they have much in common regardless of where they live. "There was a lot of good dialogue and a lot of eyes were opened."

During the conference, Tim McAllister, a longtime research scientist with Agriculture Canada in Lethbridge received the Canadian Beef Industry Award for Outstanding Research and Innovation. It's presented by the Beef Cattle Research Council each year to recognize a researcher or scientist whose work has contributed to advancements in the competitiveness and sustainability of the industry.

The Environmental Stewardship Award was presented to Anderson Ranch of Fir Mountain, Sask., operated by Miles and Sheri Anderson. Since 1996, TESA has recognized producers who go above and beyond in exemplifying significant innovation and attention to a wide range of environmental stewardship aspects in their farm operations. These innovations extend beneficially to areas far beyond their land, including water, wildlife and air.

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Fines now an option for pig traceability enforcement

Enforcement so far has been focused on 'education' for producers

STAFF

anadian hog producers who don't follow the federal requirements for animal identification and tracking of animal movements could now be fined for non-compliance, though it's expected such fines would be a "last resort."

The Canadian Food Inspection Agency on Aug. 24 announced new amendments to the Agriculture and Agri-Food Administrative Monetary Penalties Regulations, allowing CFIA-designated officials to issue "notices of violation" to farmers not following the PigTrace system.

Such notices of violation could be issued "with or without monetary penalties," CFIA said.

The amendments took effect Aug. 2, CFIA said. Inspection staff have access to the new measure starting Aug. 24, the Canadian Pork Council said in a separate notice.

PigTrace, the council's national traceability program, has been mandatory since July 2014, since which about 11,000 locations have been registered and over 1.2 million "movement events" recorded.

Its requirements call for all pig and wild boar farmers and pet owners, as well as the animals' "custodians," such as auction markets, transporters and breeders, to "properly identify, keep records and report the movement of these animals under their care or control"

CFIA's traceability enforcement has so far "focused on education," the council said, but agency inspectors now have the discretion as to what type of enforcement is needed.

"In general, education and verbal notices will occur for a first offence. A repeat offence would result in a letter of non-compliance, and if there are enough repeat offences, a financial penalty may be issued," the council said. CFIA "may also seek prosecution in the most severe cases."

If issued, a fine for non-compliance with most PigTrace requirements is expected to be classed as a "minor violation," worth up to \$1,300, the council said.

When inspectors decide what action to take, CFIA said, the agency will consider "compliance history, the seriousness of a violation and factors that are outside the control of regulated parties."

"Past practice at the CFIA shows that it is quite rare to receive a financial penalty for animal identification and traceability programs, and that it is used as a last resort," the council said.

For example, the council said, CFIA issued just 16 financial penalties in 2015 for noncompliance in offences involving cattle, sheep and/or bison traceability rules.

MOO-VE OVER!



Cattle take a break from the heat with a dip in a pond in the Turtle Mountains, east of Goodlands. PHOTO: SHARLENE BENNIE



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AUCTION SALES

HAROLD & DONNA VELDHUIS Auction Sale, Saturday, September 10th, 10 AM, Virden, MB. Directions: from Virden Airport corner: go east on Road 259 8 kms (5 mi) to Rd 147W, turn north, go 3.2 kms (2 mi) to Rd 62N, go east 1.6 kms (1 mi) to Rd 146 W, then north to sale site or from Kenton Jct. at #21 & 259, follow 259 west & south approx. 20 kms (12.5 mi) to Rd 62N, go west 3.2 kms (2 mi) to Rd 146 W, then turn north to sale site. Signs will be posted. Vintage Machinery: (for restoration or salvage): 8N Ford tractor; Attachments for 8N tractor incl. mower, harrows and 2 furrow plow; W6 McCormick tractor; W4 tractor, NR; NH baler; 2- manure spreaders; 2- plows; One way; 32' discer; Horse drawn mower; Gyro mower; IH trailing 7' sickle mower; Side delivery rake; augers; Cancade 9' dozer blade stonepicker; 15 bale stooker. Vehicles: 1960's 1HC truck, 4 spd., V8; Ford 1/2 ton; 1957 S180 International truck w/hoist, 6 cyl. good motor, needs brakes, plumbed for hyd. drill fills; 1980 F150 Ford truck, 4 WD, ext. eab. auto trans. 5.81 engine. The items in International truck w/hoist, 6 cyl. good motor, needs brakes, plumbed for hyd. drill filis; 1980 F150 Ford truck, 4 WD, ext. cab, auto trans, 5.8L engine. The items in this group will be sold by picture only on Sale Day: 1965 Willys Car; WD 9 IHC tractor for parts; 3- cultivators; 16' discer; IH side delivery rake; Hang Up harrow bar cart; Auger; End drill on steel; 1350 bu. grain bin; 3- Oil rig sheds; Rig bolts. Woodworking Tools & Misc. Shop Equipment: New Canwood dust collector; 10 ton press; 2- air compressors; 2- Sears 10" radial arm saws; Mastercraft 12" portable planer; Mastercraft scroll saw; 10" Sears table saw; Bench grinders; Senders; Metal cutting band saw on wheels; Circular portable planer; Mastercraft scroll saw; 10" Sears table saw; Bench grinders; Sanders; Metal cutting band saw on wheels; Circular saws; Beaver wood lathe, Beaver table saw, Drill press; 3- McCullough chain saws; New portable cut-off saw; Acetylene cart, Hoses and gauges; 2- Chain hoists; Bolt bin; Wood clamps; Tool boxes; Socket sets; Ladders; Usual power and hand tools. Collectibles: The Great Majestic cook stove; Very old kitchen cupboard; Cabinet and table top gramophone and cylinders; Roll top desk, needs repair; Dressers; Wood table and 4 chairs; China Cabinet; Quantity of sewing machines; School desks; Wood chairs; Trunks; Radios; Electric mandrell; Cream cans; Egg crates; 2-Walking plows; Garden scuffler; Hay sling; Platform scale; Wood hand planes and more. Miscellaneous: Farm wagons; Hobart welder w/Willys motor (needs carburetor); Hopper bottom bin, needs repair; Cement mixer; Plywood and misc. lumber; New mahogany bi-fold doors; 80- 4" treated fence posts; Scrap iron and much more. There will be 2-ring selling starting at 10 AM with racks and smalls. Sale subject to additions and deletions. Taxes charged where applicable. Lunch served. Terms: Mastercard, Visa, Debit, cheque or cash. See website for updates and photos or call Hudson Auction Service, 204-764-2447, cells: 204-764-0288, 204-764-0173. www.globalauctionguide.com

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

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

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

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RETIRED FARMER: 2005 Ford 350 XLT, super duty, V8, 4x4, diesel, auto., 4 door, loaded, approx. 160,000 kms, offers. Call 306-921-9920, Melfort, SK.



2011 FORD F250, reg. cab, 4x4 auto, gas, XL trim, only 107,000 kms., fresh SK safety, will consider trades, \$21,900. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

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



2003 CHEV 1500, 4.3 auto, A/T/C, only 62,000 kms., fresh SK safety, \$8900. Cam-Don Motors, 306-237-4217, Perdue, SK.

2000 FORD F150 Lariat, **new paint, new rebuilt 5.4 engine**, 7700 GVW, asking \$8900. 306-307-1747, Lloydminster, SK.

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 1670

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2013 RAM 2500 Laramie, Crew, 98,000 kms, \$42,900; 2012 Ram 4500, C&C, dsl., \$36,999; 2012 GMC Duramax, C&C, \$28,900; 2006 Ram 2500, Cummins dsl., Quadcab, \$13,999. 1-800-667-4414, Wyn-marchen 2500, Cum-exp. J. #900250 yard, SK. www.thoens.com DL #909250.

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2009 SILVERADO 3500 LTZ **dually**, Crewcab, 4x4, dsl., auto, leather, 133,000 kms, 1 owner, \$33,995. Hendry's Chrysler 306-528-2171, Nokomis, SK. DL #907140.

GRAIN TRUCKS

2009 MACK CH613, only 505,000 kms., new 2015 20' Neustar grain box, 365 HR 10 spd. Cam 204-470-8215, Winnipeg, MB

2008 KENWORTH T800 ISX, 485-500 HP ZUOB RENWORTH 1800 15X, 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 Mery, Arborfield, SK, 306-767-2616, 306-276-7518 DL #906768

\$53,000 SPECIAL! 2002 Kenworth T800, Cummins, 18 spd., new 20' B&H, air ride, new safety. 306-563-8765, Canora, SK.

2009 FREIGHTLINER, 10 spd Eaton auto-shift w/clutch, DD15 Detroit w/20' BH&T; 2008 TANDEM, 7600 IH, Cummins, 10 spd., new BH&T; 2004 Pete 330 single axle, Cat, Allison auto. w/new 16' BH&T. Ron Brown Imp. 306-493-9393, www.rbisk.ca



2000 STERLING, TRI-DRIVE, C12 Cat eng., 10 spd., 22' BH&T, near new tires, vg cond., \$45,000. 204-642-2091, Arborg, MB

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COMING BEFORE HARVEST: 2006 Ken COMING BEFORE HARVES1: 2006 Kenworth T800, AutoShift, new 8&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

2007 WESTERN STAR 4900SA tri-drive, C15 Cat, 550 HP, 18 spd., full lockers, new 24' CIM B&H; 3- 2007 Macks, 10 spd. Ea-ton auto, new 20' CIM B&H, fresh Sask, Safeties. Call 306-270-6399, Saskatoon, SK. DL#316542. www.78truxsales.com

GRAIN TRUCKS

2007 IH 9400, with Cummins 435 HP 10 spd. AutoShift, 20' box, alum. wheels and tanks, exc. cond., certified, \$67,500; 2007 Mack, 460 Mack eng., 12 spd. auto. trans., 3-way lockers, alum. wheels, good tires, 20' PHET representable, sixthe slate. 3-way lockers, alum. wheels, good tires, 20' BH&T, rear controls, pintle plate, \$69,500; **1990 Kenworth** T600, 450 HP \$69,500; 1990 Kenworth 1600, 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

2007 KENWORTH, C15 CAT, 13 spd., Ultra-Shift; 2007 Freightliner, Mercedes, 13 spd. UltraShift. Both have new grain boxes with electric tarps and are Sask. Safetied. 306-270-6399, Saskatoon, SK. DL 316542. www.78truxsales.com

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1976 DODGE D600 HD 3T, HD, 361 eng. 5 spd., hi/lo, 11000/20 rubber, 8'.5" B&H, steel floor, Univision tarp, 40,000 miles, truck- very straight \$8500. 306-460-9027, 306-460-4462, 306-463-3480, Flaxcombe



KENWORTH T300, 13 spd. Eaton Fuller, 8.3L Cummins 300 HP, 121,000. orig. kms, 5762 hrs., 12,000 fr., 40,000 rr., 411 ratio, 2009 20' Cancade box, remote control H&T & endgate, new tires 5 years ago, super clean, never hauled fertilizer, serviced, MB. Safety. 204-734-0422, Minitonas, MB.

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



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

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.

GRAVEL TRUCKS

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.

1985 INT. TANDEM dump truck, Cummins 210 HP, 9 spd., good 11R22.5 rubber, \$15,000. 204-795-9192, Plum Coulee, MB.

SEMI TRUCKS

2016 VOLVO 670 I-Shift, 46,000 kms; 2014 Volvo 780, I-Shift; 2013 Volvo 430, I-Shift. Call 204-871-5170, Austin, MB.

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

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1989 IH EAGLE, 425 CAT, 3406 engine, 5th wheel, 24.5 alum. budds, white, \$16,500. 306-960-3000, St. Louis, SK.

1998 WHITE FREIGHTLINER, Cummins, 13 spd., 40,000 diffs, new tires, condo bunk, \$16,500. 306-698-3245 Wolseley SK 2005 PETE 378, flattop bunk, Cat C15, 485

2007 WESTERN STAR 4900, CAT, 18 spd., 46,000 diff., A/T/C, alum. wheels, new 24.5 radials, Sask. Safety, \$39,900. Call 306-621-0425, Yorkton, SK.

1984 FORD LTL9000 tandem, Cat 400, strong eng, 13 spd., HD rrs, 5th wheel, wet kit, ideal 2nd farm truck for hauling \$8000. 306-690-9407 after 5 PM, Riverhurst, SK.

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SPECIALIZED TRUCKS

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

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2007 GMC C7500, SA, 20' flatdeck/hoist, 6 cyl dsl., 6 spd., 12/23 axles, hyd. brakes, SK unit \$22,000. 306-563-8765, Canora SK

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.

1997 MACK RD688, 100 barrel tank, pump and etc., 400 Mack, 24.5 wheels, white, \$16,500. 306-960-3000 St. Louis SK

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10"x70' AND 13"x70' Wheatheart augers c/w swing auger, parting out, wind damage. 306-460-9440, Smiley, SK.

2014 FARM KING 16x104 grain auger, PTO, used very little, \$34,000. 306-640-8181, Willow Bunch, SK.

2- 7X35 BRANDT augers: 16 HP Vanguard, 13 HP Honda, excellent cond. Call 306-677-2598, Hodgeville, SK. 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.

2013 GRAINMAX AUGER, 13x85, c/w bin sensor, vg shape, \$15,000 OBO. Flaxcombe SK., call 306-463-3113, 306-463-8176. 2012 WHEATHEART 13x74 swing auger, like new, electric swing, hyd. winch, reverser, \$17,500. 306-493-7871, Harris, SK.

AUGERS: NEW and USED: Wheatheart, Westfield, Westeel augers; Auger SP kits; Batco conveyors; Wheatheart post pounders. Good prices, leasing available. Call 1.866-746-7666

2012 SAKUNDIAK HD8-1600, 52', exc. shape, Hawes mover kit (2 wheel), Kohler 29 EFI HP, electric clutch, \$12,000; 2013 Sakundiak HD8-1400, 46'', excellent, Hawes mover kit (4 wheels), Kohler 27 HP V-Twin, elec. clutch, \$13,000. Bruno, SK. 306-369-7724, 306-369-7794.

2 LEFT! FARM-KING 10x70 c/w reverser. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

MERIDIAN AUGERS IN STOCK: swings, truck loading, Meridian SP movers. Call Hoffart Services Inc., Odessa, SK., 204-057-2032 306-957-2033.

2010 BRANDT 1390 HP swing auger, very clean, \$16,500. Contact Chad 306-741-7743, Swift Current, SK.

GRAIN BAGS/EQUIPMENT

2014 LOFTNESS, GL System 10 with swing away truck unloading auger. Incl. optional road transport system for highway travel. Has only filled 25 bags, stored inside. Call Roy Bailey, 306-935-4702, Milden, SK.

GRAIN CARTS

NEW 2016 ARMSTRONG 750 bu. 4 wheel, \$28,900. New 2016 Armstrong 750 bu., on tracks, \$38,900. **K&L Equipment and Auto,** Ladimer, 306-795-7779, Ituna, SK.

2004 **BRENT 1084**, tandem walking axle, always shedded, 1000 bu., rubber and flighting good, green in color, \$39,500. Call Chad 306-741-7743, Swift Current, SK

2005 BRENT 572 (green), corner auger, hyd. drive kit, 24.5x32 Firestone tires, used very little, always shedded, \$25,500. 306-896-2311, Langenburg, SK.

GRAIN CARTS: 450-1050 bushel, large selection, PTO and hyd. drive. Also gravity wagons. www.zettlerfarmequipment.com 1-866-938-8537, Portage la Prairie, MB.

2010 JM 875, tarp, scale, hyd. drive and delivery available, \$36,000. 306-563-8482.

GRAVITY WAGONS: New 400 bu, \$7,400;

600 bu., \$12,500; 750 bu., \$18,250. Large selection of used gravity wagons, 250-750 bu. Used grain carts, 450 to 1110 bushel. View at: www.zettlerfarmequipment.com 1-866-938-8537, Portage la Prairie, MB.

GRAIN CLEANERS 4121

CUSTOM COLOR SORTING chickpeas to mustard. Cert. organic and conventional. 306-741-3177, Swift Current, SK.



CARTER DAY AIR screen cleaner, Model #F515, Style #DDK1, vg cond., only 2 yrs. use, always shedded, c/w fan and 120 spare screens of various sizes, \$50,000. Call 306-617-9009, Zealandia, SK. Email:

DUAL SCREEN ROTARY grain cleaners, great for pulse crops, best selection in Western Canada. 306-946-7923, Young SK

DUAL STAGE ROTARY SCREENERS and Kwik Kleen 5-7 tube. Call 204-857-8403, Portage la Prairie, MB. or visit online: www.zettlerfarmequipment.com

6 CLELAND DOUBLE spiral separators, fair condition, \$3000. Call 306-335-2280, Lemberg, SK

GRAIN DRYERS

4124 VERTEC 3600 GRAIN dryer, natural gas or propane, \$4500 OBO. Call or propane, \$4500 306-548-4344, Sturgis, SK.

FARMFAN AB8, continuous batch 120 bu., canola screens, propane, new fan, exc. cond., \$5500. 306-862-1457, Choiceland.



WESTERN GRAIN DRYER, mfg. of grain dryers w/auto. drying/moisture control. Updates to Vertec roof, tiers, moisture control. Economic designed dryers avail. 1-888-288-6857, westerngraindryer.com

GRAIN ELEVATORS 4127

R W ORGANIC IS offering for sale, lease or rent a **grain elevator** in Gravelbourg, SK built in 1982. 144,000 bu. cap. with ware-house storage. Call Jason 306-354-2660.

GRAIN TESTERS 4130

REFURBISHED PROTEIN TESTERS for sale. Protein in wheat and durum, 4 units avail. Protein in wheat, barley and durum, 2 units available. Jason 204-772-6998.

4133

TRAILTECH FULL CARRY swather transport, tandem, 14000 GVW, lights, brakes, c/w all transporting hardware, \$12,000. 306-466-7744, Leask, SK.

HARVESTING/HAYING

BALING EQUIPMENT

CASE/IH RBX 561 round baler, 1000 PTO, good condition. \$4500 OBO. Call good condition, p-500 050. 3. 306-395-2668, 306-681-7610, Chaplin, SK.

NEW IDEA 4865 5x6, hyd. PU, rubber mount teeth, 2300 bales, shedded, good. 306-944-4325, 306-231-8355, Bruno, SK. VERMEER 605M ROUND baler, monitor,

kicker, new pickup, good cond, field ready, \$15,000. 306-335-7875, Lemberg, SK. MORRIS MODEL 1400 HAY HIKER, chains replaced 2 yrs ago, exc. working cond. \$12,000. 306-858-7772, Lucky Lake,



2013 CLAAS 3300 RC Quadrant 3x4 square baler, approx. 7000 bales made, vg cond., \$110,000. Can deliver. Call anytime 204-743-2324, Cypress River, MB.

LOOKING FOR DECENT NH 851 baler with hydraulic tie. Must be reasonably priced. 204-764-2015, Hamiota, MB.

BALING EQUIPMENT

MORRIS 1400 BALE PICKER, heavy axles and rims, \$15,000. Call 306-528-7712, Nokomis, SK.

NEW HOLLAND BB940 square baler, low bale count, excellent condition, \$37,000. 204-573-6354, Brandon, MB.

GOOSENECK SELF-UNLOADING round bale trailer, hauls 10 bales, sideways unload, can be pulled with a pickup, \$5000. Rosthern, SK. 306-232-3442 or 306-232-5688



8 AND 14 BALE WAGONS in stock, Morris and Inland. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

BALE SPEAR ATTACHMENTS for all

2000 CASE/IH 8465 round baler, auto. tie, 5x6 baler, vg condition, \$7500. Call 306-861-4592, Fillmore, SK

BALE SPEARS, high quality imported from Italy, 27" and 49", free shipping, excellent pricing. Call now toll free 1-866-443-7444, Stonewall, MB.

4145 2015 MACDON M-155 40' D65 double knife drive, GPS, hyd. roller, 47 cutting hrs, shedded. 306-287-7707, Quill Lake SK

2012 MF WR 9740, 36', 400 hrs., \$99,000. 0% for 36 months OAC. Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

2010 MF 9430, 36', 750 hrs., shedded, very good, \$69,000. Call Cam-Don Motors Ltd., 306-237-4212, Perdue, SK.

1997 MACDON 9200 SWATHER, 21', shedded, PU reel, 1360 hrs, \$37,500; 2010 Case/Steiger 335, 4WD, shedded, only 795 hrs, \$185,000. 204-268-2853, Selkirk.

CIH 6500 SP, 21', MacDon PU reel, 2870 hrs., new wobble box, knife, canvas, \$12,500 OBO. 306-338-7603, Margo, SK.

Shear, low acres, \$38 306-563-8765, Canora, SK. 1983 MASSEY FERGUSON swather, 25', field ready. some new parts. Call

50' CASE/IH piggyback double swath swathers, 1 for parts, 1 good, \$6000 for both OBO. 306-460-9027, 306-460-4462, 306-463-3480, Flaxcombe, SK.



2016 MACDON M155, 40', DK, DC, transport, last one before DEF. Call Cam-Dor Motors Ltd, 306-237-4212, Perdue, SK.

1993 MF 200, 2200 hrs., 30' swather, PU reel; Also swath roller. Call 306-759-2651 or 306-759-7745, Brownlee, SK.

36' WESTWARD 9000 SP swather, PU reel, big tires, swath roller, knives good shape, \$28,000. 306-786-6510, Rhein, SK.

new cond., always shedded, \$45 306-675-4883, 306-331-7456, Lipton, SK

NEW MF WR9735, 30', UII PU reel, fore/aft, axle susp., 130 HP, \$91,000 fore/aft, axle susp., 130 HP, OBO. 306-699-2442, McLean, SK. 40' MACDON SWATHER, 130 hours, used 1 season. Call 306-834-7619, Luseland, SK.

MF 9420, SR 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.



1994 HESSTON 8100 swather, 2676 hrs.

HESSTON 1200 PT, 30', batt reels, good condition, \$4500. Call 306-245-3777, Francis, SK.

1995 MASSEY 200 swather, 2258 hrs., UII PU reel, Schumacher knife drive, runs well. 306-478-2520, McCord, SK.

IHC 4000 SP, 24.5' with UII PU reel, runs, \$1500. 306-358-2120, Macklin, SK.

10' PULL BEHIND swath roller, exc. cond. 306-460-9440, Smiley, SK.

new knife, exc.



loaders and skidsteers, excellent pricing. Call now 1-866-443-7444.

SWATHERS

SWATHER CARRIER, SHEDDED, up to 30', \$1900 can be adjusted, 204-736-2941, Sanford, MB.

CASE/IH 8240, 36' PT swather, Roto-\$3800. Ph Larry

field ready, some new parts. 306-492-4642, Clavet, SK.



4700 VERSATILE SWATHER, one owner, 30' header, always shedded, \$5500 OBO. Phone 204-736-2941, Sanford, MB. 2011 30' 1203 Case/IH SP PU reel and transport, \$77,000; 2002 30' 9250 Westward SP PU reel, \$40,000. Call A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

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

CIH 8230 PT 30' batt reels, very little use,

WESTWARD 3000 PT swather, 25' PU reel, vg cond; Co-op 550, 18' plus 18' PU reel on transport. 306-491-2227, Blaine Lake, SK.



30' UII pickup reel, double knife drive, shiftable drapers for DS, poly skid plates, rear weights, poly swath roller, shedded, \$22,000 OBO. 306-377-2002, Herschel, SK.

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

2005 9220 30' MF swather, 1000 hrs., double swath, excellent, \$55,000. Call 306-567-8614, Davidson, SK.

SWATHER ACCESSORIES

2001 MACDON 972 25' header, Keer shape. 306-435-7893, Moosomin, SK.

20' UII PU REEL, late model, exc. shape, steel teeth, \$1850; SwathHent roller on wheels, \$500. 306-960-3000, St. Louis, SK.

H/H VARIOUS

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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.

COMBINES

CASE/IH

1994 CASE/IH **1688**, 5875 eng. hrs., spec. rotor, through shop in 2012, \$13,000. Call 306-231-8999, Humboldt, SK.

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 Storthoaks, SK.

1994 CIH 1688, internal chopper, straw and chaff spreader, hopper topper. Recent repairs incl: all shaker bushings, hydro pump, top and bottom rotor bearings and rear tires, shedded, field ready, \$17,000 OBO. 306-744-7663, Saltcoats, SK.

2006 CASE/IH 2388, field ready, rake-up PU, chopper, 1700 thrash hrs., \$75,000. Call 306-353-4410, Riverhurst, SK.

1979 IH 1460 combine, field ready, \$7000 OBO; Versatile PT #10 swather w/extra parts, \$600 OBO. Call or text Les 403-548-5758, Golden Prairie, SK.

2009 7120 CASE/IH w/2016 header, \$165,000; 2007 7010 Case/IH, dual wheels, w/2016 header, \$170,000. Call A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

1986 CASE 1680, 3500 eng. hrs., rice tires, good condition, \$17,000. 204-824-2196, 204-573-6723, Wawanesa, MB.

2004 CASE 8010 heavy land combine, RWA, exc., better than new, \$140,00 OBO. Call Ed 204-299-6465, Starbuck, MB.

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



2008 8010, 1398 sep. hrs., long auger, loaded, new rotor, 2016 PU header, shedded, exc. cond. Terre Bonne Seed Farm, 306-921-8594, 306-752-4810, Melfort, SK.

CATERPILLAR LEXION

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

FORD/NH 4172

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.

2002 NH TR99, new feeder chain, new clean grain chain, fine cut chopper, lateral tilt, moisture tester, AHH, hopper topper. Call 306-542-7786, Kamsack, SK.

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.

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

CLEANER

1976 GLEANER L, 24' straight cut header, duals, chopper, PU, transport, open to offers. Call 306-693-9847, Moose Jaw, SK.

JOHN DEERE

2011 JD 9770, AT ready, Contour Master, HD DFH, 520/42 duals, extended wear pkg., 615 PU header, always shedded, 1100 sep. hrs., mint cond., ask \$229,000 will deal. Call 204-324-6298, Altona, MB.

1999 JD 9610. Priced to sell! Chaff spreader, chopper, long auger, factory duals, 914 PU, real nice. 306-654-7772, Saskatoon SK

2008 9770 STS, dual wheels w/2010 615 PU header, \$195,000. A.E. Chicoine Farm Equipment, 306-449-2255, Storthoaks, SK.

1990 9600, 4300 sep. hrs., 914 PU w/new belts, chaff spreader, always shedded, \$26,000 OBO 204-773-0111 Angusville MB

1994 JD 9500, 3400 eng. hrs., 2389 sep. hrs., 914 header w/Rake-Up PU, 930 rigid header w/PU reels, \$42,000 OBO. 306-848-0088, Weyburn, SK.

2010 JD 9870 STS, fully loaded, only 550 sep. hrs., 650 straddle duals, long auger, c/w P615 PU header. Call 218-779-1710. JD 7721 TITAN II PT combine, located at Findlater, SK. Call 403-871-2441 or 928-503-5344.

2002 JD 9650W, 4400 eng. hrs., 3400 sep. hrs., rear wheel drive, many new parts, Greenlighted, field ready, always shedded, 914 PU header, asking \$72,000. Could come with JD 925 flex head with Cary air, low acres. 204-324-9300, 204-324-7622, Altona, MB.

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.

JOHN DEERE

1997 JD **9400**, 2114 eng. hrs., 1626 sep. hrs., ext. range cyl. drive, Y&M, long auger, new: PU belts, feeder chain, rub bars and concave, straw chopper, spreader, 914 PU, exc. cond., \$60,000. Call Dave Klein, 306-957-4312, 306-695-7794, Odessa, SK.

2000 9650 STS, w/914, approx. 2500 sep. hrs., covered hopper ext., field ready, vg cond., \$59,000. 306-948-7223, Biggar, SK.

1989 JD 9500, 3950 eng., 3100 sep. hrs., vg cond., field ready, always shedded, \$30,000. 306-868-7991, Avonlea, 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.

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.

2013 JD **\$680**, 5 spd., Contour-Master, 615P PU, 520/42 duals, 2630 display, PF hopper. Call 204-825-8121, Morden, MB.

1975 **6601** PT, good cond., \$90 306-395-2651, 306-690-5715, Chaplin, SK. 1986 JD **8820** Titan II combine w/PU header, \$16,000; JD **925** straight cut flex header, \$13,000. Both field ready. ready.

306-493-2762, 306-493-7324, Delisle, SK. 1991 JD 9500, 4500 eng. hrs., 914 PU header, many new parts including new tires, shedded, field ready, \$40,000 OBO. 306-227-0075, Alvena, SK.

1998 JD CTSII, 2260 sep. hrs., 914 PU, dual speed cylinder, fore & aft, chaff spreader, long auger, fine cut chopper, AutoHeight, and big top hopper, \$45,000. 306-460-7620, Kindersley, SK.

2008 9870 STS, w/615 PU, approx. 1500 sep. hrs., duals, loaded up nice, vg cond., \$149,000. Call 306-948-7223, Biggar, SK.

2011 JD 9770, 1077 sep. hrs., 615 PU, second owner, shedded, exc. cond., w/warranty, asking \$235,000. Call 204-324-6298, Altona, MB.

2004 9860 STS, combine, 914 JD PU, 2395 eng., 1650 threshing hrs., chopper and chaff spreader, shedded, good cond., \$118,000 OBO Fisher Farms Ltd., Dauphin, MB, 204-622-8800 office, 204-638-2700 end. Empiricated Office productions. cell. Email: rod@fisherseeds.com

2001 JD 9650, 12' JD PU, long auger, big tires, 2500 hrs., \$48,000. 306-786-6510,

MASSEY FERGUSON

MF 550, Perkins dsl hydro, MF PU header, Melroe 378 PU, \$3000 OBO. 306-858-7345 or 306-867-9899, Lucky Lake, SK.

1974 MF 750 combine, diesel, good to exc. shape, field ready, shedded, \$3500. Call 306-549-4701, Hafford, SK.

1985 MF 860, low 1815 hrs., Super 8 PU, w/9024 MF straight header, both shedded. Call 306-745-7505, Dubuc, SK.

1994 MF 8460 CONVENTIONAL, 2606 hrs. Mercedes, Rake-Up PU, shedded, good. 306-944-4325, 306-231-8355, Bruno, SK.

VERSATILE 4187

2 TORUM (VERSATILE) COMBINES: 2010 740 & 2011 760, demo units, approx. 300 operating hrs each, both need some repairs to be fully operational, selected repair parts incl. in asking price. Units repowered w/Cummins diesels, both run, asking \$150,000 for both, sold as is. Call Bob Carter at 204-339-2982 or cell 204-226-8794, Winnipeg, MB.

COMBINE ACCESSORIES

COMBINE HEADER 4199

2007 AND 2004 NH 94C 36' straight cut 2007 AND 2004 NH 94C 36' straight cut headers. 2007, single knife, solid reel, pea auger, gauge wheels, \$32,000; 2004, single knife, split reel, pea auger, gauge wheels, \$24,000. Both field ready, always shedded. 306-272-8025 or 306-272-7225, Fearn Lies SV Foam Lake, SK

2008 JD 936D draper header, PU reel, always shedded, \$29,500 OBO. Transport available. 204-851-0745, Elkhorn, MB.

JD headers 224 straight cut. Also 8 ro corn head, corn head also fits CIH. 204-746-5747, Rosenort, MB.

FLEX HEADS: CASE/IH 1020, 25', \$6000; 30', \$8000; CASE/IH 2020, 30', \$15,000; 1015 PU header, \$3500; JD 925, \$6500; JD 930, \$9000; Nissen bean windrower, \$5000. Large selection of used grain carts and gravity wagons. 204-857-8403.

2010 CIH 2020 flex, 35', \$24,900; 2002 2010 CIH 2020 flex, 30', \$14,900; 2002 CIH 1020 flex, 30', s14,900; 2002 CIH 1020 flex, 30', air reel, \$20,900; 1998 CIH 1020 flex, 25', \$18,900; 2008 CIH 2020 flex, 30', \$24,900; 1989 CIH 1020 flex, 20', \$8900. All heads reconditioned. Contact Reimer Farm Equipment, Gary Reimer, 204-326-7000, Hwy #12, Steinbach, MB.

JD 230 RIGID HEADER, batt reel, w/transport, \$5450 OBO. Contact 204-781-8664, Rosser, MB.

2020 30' FLEX HEADER, w/Stewart steel trailer, \$18,500. 306-734-7727, Craik, SK.

35' PEA AUGER w/hydraulic drive, like new, \$3900. 204-324-6298, Altona, MB.

2000 36' 1042 Case/IH w/Case adapter, \$18,000. 2008 36' SP36 HoneyBee, trans-port, pea auger, 7120 or 8120 Case adapt-er, \$37,000. 2010 40' D60 MacDon, transer, \$37,000. 2010 40' D60 MacDon, transport, \$60,000. 2012 36' D50 MacDon, transport, \$50,000. 2010 40' Case/IH, transport, pea auger, \$60,000. Call A.E. Chicoine Farm Equipment, 306-449-2255, Storthoak SK

Storthoaks, SK. 2002 MACDON 872 ADAPTER for CAT Lexion and Claas, \$6500. Call 306-693-9847, Moose Jaw, SK.

2009 MACDON FD70, 40', new sickle and drapers, JD adapter, gauge wheels, ask \$48,900. Pea auger available. Can deliver. Call 204-324-6298, Altona, MB.

2014 JD 635 flex, 35', reduced \$34,900; 2012 JD 630F flex, 30', \$28,900; 2011 JD 635 flex, 35', \$27,900; 2009 JD 635 flex, 35', reduced \$24,900; 2007 JD 635 flex, 35', \$21,900; 2005 JD 635 flex, 35', \$18,900. All heads reconditioned. Contact Reimer Farm Equipment, Gary Reimer, 204-326-7000, Hwy #12, Steinbach, MB.

2008 AGCO 8200 Gleaner flex header, 30', reconditioned, \$24,900. Call Reimer Farm Equipment, Gary Reimer, 204-326-7000, Hwy #12, Steinbach, MB.

COMBINE HEADER

2009 HONEYBEE SP30. 30' draper, w/roto shear on each side, no adapter, exc. con \$17,500. Call 306-861-4592, Fillmore, SK.

MF 9230 30' straight cut header, PU reel, vg condition, used very little, \$5000 OBO. 306-946-7457, Watrous, SK.

MACDON 974 FLEX DRAPER w/873 Case adapter, single point, fore/aft, hyd. tilt, skid plates, pea auger, transport, new centre canvas, \$42,000 OBO. 204-648-4649, Dauphin, MB.

2008 NH 88 C flex draper, 42', HoneyBee, reduced price \$28,900; 2006 NH 74C flex, 30', Crary air reel, \$24,900; 2006 NH 74C flex, 35', \$24,900. All heads reconditioned. Reimer Farm Equipment, Gary Reir 204-326-7000, Hwy #12, Steinbach, MB. Reimer,

1999 JD 893 CORN HEADER, 8x30" HHC, gathering chains, stripper plates and cob saver all in vg condition, single pt. hookup, field ready, Asking \$16,500. Call Jim 204-745-8007, Elm Creek, MB.

LIKE NEW **2013** and **2011** JD 635 flex headers, both with AWS air reels. Contact 306-264-7742, Kincaid, SK.

2012 HONEYBEE 36', dbl knife, \$39,900; Pea augers and AFX/CR adaptors. Call 306-563-8482. CORN HEADERS: 2-2008 Geringhoff Models 630 and 1230 Roto-Disc chopping corn headers, 6 and 12 row, both 30" spacing, good cond., \$25,000 fits Case-IH 80 series; \$60,000 fits Case-IH flagship series

combines. 306-421-1361, Torquay, SK. RECONDITIONED rigid and flex, most makes and sizes; also header transports. Ed Lorenz, 306-344-4811, Paradise Hill, SK



2013 MACDON FD 75-D flex draper header, 40' wide cross auger, slow speed transport case and NH adapter, exc. working cond., loaded, \$69,000. Can deliver. Call anytime 204-743-2324, Cypress River, MB.

30' GLEANER/AGCO rigid header, low block, fits L, N and R models, c/w header transport, \$3900 OBO. 306-693-9847, Moose Jaw, SK.

RITE-WAY HEADER TRAILER, hauls up to 35' flex headers, used very little, as new. 306-460-9440, Smiley, SK.

JD 930R and 930S 30' combine headers, both w/new Schumacher wobble boxes, \$4500 ea. 204-773-0111, Angusville, MB

2004 MACDON 962, 36' draper, factory trans., gage wheels to fit CAT 400, exc. cond, \$17,500. 306-861-4592, Fillmore, SK 1998 MACDON 960, 36' draper, fact. trans. to fit JD 9600, 9610, 9650, vg cond., \$11,500. Call 306-861-4592, Fillmore, SK.

HONEYBEE SP-39 rigid draper, JD adapter, twin PU reels, low acres, \$8500; Gleaner 324 w/22' Sund pea PU, fits R Series Gleaner, \$3800. 306-563-8765, Canora, SK

1995 960 MACDON 36' draper header, exc.; 30' MF 9030 w/PU reel; 25' Class (8560 MF), PU reel; 24' JD 224 Series, fits Case 2188; 24' Int. straight cut; 22' Sund PU on Case header; 14' Sund PU; 17' Class straight cut; 16' Cockshutt, fits White 8600; 24' JD 100, fits 7700; Extra Coulter PU whose; Cockshutt, 8800 and 8700 cms. PU wheels; Cockshutt 8800 and 8700 combines w/header reversers, others for parts; Fresh JD 8820 for parts; JD PU's; 7721 JD combine, vg. Sieve rebuilding. Call Roland, 306-256-7088, Cudworth, SK.

JD 930 RIGID HEADER, 30' comes with new header trailer, nice shape, \$6500. Call 204-529-2595, Cartwright, MB.

2002 42' SP42 HoneyBee, pea auger, transport, Cat adapter, \$25,000. 2002 30' F30, Cat flex header, PU reel, w/4 wheel transport, \$16,000. Used JD adpater plate for newer MacDon headers, \$1400. Call A.E. Chicoine Farm Equipment, Storthoaks, SK., 306-449-2255.

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HAMCO CATTLE CO. HAS for sale reg. Red and Black Angus yearling bulls and 2 yr. olds. Good selection, semen tested, performance data and EPD's available. Top genetics. Free delivery. Call Glen, Albert, Larissa Hamilton 204-827-2358 or David Hamilton 204-325-3635.

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CHAROLAIS

POLLED YEARLING BULLS, easy calving, good looking, quiet, reasonable price. Message at 306-931-8069, Saskatoon, SK.

QUIET POLLED YEARLING CHAROLAIS bulls. Will semen test and deliver. Call Bar H Charolais, Kevin Haylock, 306-697-2901 or 306-697-8771, Grenfell, SK.

2 AND 3 yr. olds and yearling bulls. Silver Bullet and Specialist breeding. Marten's Charolais, 204-534-8370, Boissevain, MB.

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

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TRIPLE R LIMOUSIN HAS Bulls for sale TRIPLE R LIMIOUSIN 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.

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BLACK ANGUS AND HEREFORD BUILD and a few cows. 855 and 851 NH baler. Two 250 3 wheelers. 204-425-3016, MB.

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HORSES

AUCTION SALES

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.mbpainthorsebreeders.com

HORSE AND TACK SALE, Heartland, Prince Albert, SK., Friday, Sept 2 starting at 5:30 PM. Call 306-763-8463.

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QUALITY PONIES, harness and saddle trained. Bamford Pony Farm, La Riviere, MB, 204-242-2369.

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SHEEP

AUCTION SALES

ANNUAL PRE-SORT FALL SALE: Hosted by SSDB, Sat., Sept. 24/16 at 1 PM, Saskatoon Livestock Sales. All pre-booked stock must be in by 4 PM on Friday, Sept. 23rd. Ph 306-933-5200, web: www.sksheep.com or email: sheepdb@sasktel.net

SHEEP AND GOAT SALE. Heartland Live stock, Prince Albert, Friday, Sept 2, 11:00 AM. Call 306-763-8463.

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SWINE

SWINE WANTED



FOR EXPORT P. QUINTAINE & SON LTD. 728-7549 Licence No. 1123

POULTRY

PUREBRED AND CROSSBRED Bird and Small Animal Auction, Sunday, Sept. 18, 11:00 AM, at the Weyburn Ag Society Building, Exhibition Grounds, Weyburn, SK. To consign call Charlotte 306-861-6305.

POULTRY VARIOUS

SPECIALTY

LIVESTOCK EQUIPMENT



STEEL VIEW MFG. Self-standing panels. windbreaks, silage/hay bunks, feeder panels, sucker rod fence posts. Custom orders. Call Shane 306-493-2300, Delisle, SK. www.steelviewmfg.com

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LEON 755 MANURE SPREADER, brand new beater assembly, \$39,000 OBO. Phone 306-739-2748, Wawota, SK. KELLN SOLAR SUMMER/WINTER WA-**TERING** System, provides water in remote areas, improves water quality, increases pasture productivity, extends dugout life. St. Claude/Portage, 204-379-2763.

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LOWEN 530 CU. FT. mix wagon, c/w scale, good shape, heavy duty 4 augers, low use. Call 306-295-7800, Eastend, SK.

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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

HOUSE FOR SALE to be moved, 2 bdrm, story and a half, ideal for a cabin. Call 306-389-4712, Maymont, SK.

Call our toll-free number to take advantage of our Prepayment Bonus. Prepay for 3 weeks and we'll run your ad 2 more weeks for free. That's 5 weeks for the price of 3. Call 1-800-780 2004 between 782-0794 today!

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TO BE MOVED, south of Mortlach, 1070 sq. ft. bungalow, \$15,000 OBO. Call 306-476-2635, 306-690-5209.

SMALL HOUSE, 837 Main St., Saskatoon, SK. 720 sq. ft., 2 bdrm, 26.5' lot, close to Broadway Ave and University, asking \$272,900. Selling by owner. 306-280-2646

HOUSES/LOTS 6126



MOVE IN CONDITION: 1120 sq.ft. 3 bdrm. home in Montmartre, SK. Huge corner lot, double detached garage. Upgraded windows and shingles and more! \$224,900. MLS 582750. Call Marilyn Burnett, Re-Max Crown Real Estate, 306-536-4697.

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ESTATE OF WALTER SHIPOWICK and Vange Shipowick Auction, Unreserved Real Estate Auction, Monday, Oct. 3, 2016, 1:00 PM. Directions: 5 miles North on #9 to Mehan Road, 2 miles East, 1/4 South. Call Wayne 587-938-7630 for viewing. Sale on location. Location! Location! Location! Location! Location! Location! NE-1/4-31-26-3-W2, RM of Wallace. Approx. 130 acres of alfalfa, large 2600 sq. ft. house, 3 bdrms upstairs, 3 bdrms downstairs in fully developed basement suite. New shingles, attached garage, sheltered yard, close road access. Large abundance of water. Extra buildings including 120' quonset, barn, corrals, and second house which is still in use with new water heater and new furnace. This prop-ESTATE OF WALTER SHIPOWICK and water heater and new furnace. This prop-erty is very well sheltered with trees, flowers, grass, etc. Property is situated North of Yorkton on Mehan Road, 10 min. drive to Yorkton. For further info visit www.ukrainetzauction.com PL915851

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 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, WE-31-05-02-W2, SW-31-05-02-W2, 4 water sources, barbwire fence. For details view website: www.mackauctioncompany.com PL911692

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RM 496: 296 acres, 235 broke, all seeded RM 496: 296 acres, 235 broke, all seeded Alfalfa/Brome, plus 160 acres of lease. 1677 sq. ft., 4 bdrm, 1 bath, root cellar, outbuildings, various fruit trees, \$335,000; Also 10.43 acres, water, power, phone, \$80,000. 306-427-4716, Spiritwood, SK.

FOR RENT: 24 quarters of cultivated land, on share basis. 11 quarters in one block. Rest in 2 mile radius of each other. Serious inquiries only. Box 5589, c/o The Western Producer, Box 2500 Saskatoon SK S7K2C4

AG AND RECREATIONAL land for sale. All offers considered, but not necessarily accepted. For more info view www.agrec.ca

WWW.EDBOBIASHTEAM.COM Ft Rabut Bison Ranch & Farm, MLS®556997, \$1,250,000. 1007 acre ranch SW of St. Louis with cedar log home, 8' and 5' game fence on 5 quarters, 2 not fenced, excellent bison handling facilities for sorting and loading; MILLIS LAND HWV #2, MLS®571430, \$729,900. Prince Albert investment opportunity, 32.32 acres across from Commercial and Light Industrial properties; HWY #2 EXPOSURE AT MEACHAM, MLS®572211, \$279,900. Great business location with fenced compound, 40'x50' heated shop, 1998 Mod space office skid trailer with individual offices; GIBBON ACREAGE, MLS®574576, \$950,000. Saskatoon/Grasswood, 31.41 acres with 40'x54'X12' workshop, in-floor hat, 40'x96' barn w/13' overhang, 7 box-WWW.EDBOBIASHTEAM.COM Ft Rabut acres with 40x94x12 workshop, III-Hoof heat, 40x96y barn w/13' overhang, 7 box-stalls and a 84x154' indoor heated "Coverall" riding arena. Opportunity to construct single detached country residence. Ed Bobiash, Re/Max Saskatoon 306-222-7770

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Crown land, turnkey operation. 4) Excellent horse ranch in Erickson, MB., Riding lent horse ranch in Erickson, MB., Riding Arena and buildings in fantastic condition. 5) 640 acres mixed farm within 15 min. of Brandon. Jim McLachlan 204-724-7753, HomeLife Home Professional Realty Inc, Brandon, MB, www.homelifepro.com

SEC-1-16-10-E N1/2-2-16-10-E, S1/2-3-16-10-E, E1/2-12-16-10-E SE-35-15-10-E. N1/2 of NW-36-15-10-E to SE-35-15-10-E, N1/2 of NW-36-15-10-E to Rupert and Mary Theuerer, Moose Jaw, SK. who will be considered by Manitoba Agriculture, Food, and Rural Development for possible transfer of Crown Land forage lease associated with this ranch unit. This forage lease currently consists of the following: NE-11-16-10-E, SE-11-16-10-E, NW-12-16-10-E. SW-12-16-10-E. If you wish to compensation and page 18-15-16-10-E. wish to comment on, or object to the po-tential transfer of this forage lease to this purchaser, write to MAFRD, Agricultural Crown Lands, PO Box 1286, Minnedosa, MB. ROJ 1E0 or fax 204-867-6578.

MANITOBA

DAVID AND CAROL SRAYBASH of Rorketon, MB. intend to sell private lands: SW-19-28-15-W, NE-24-28-16-W, SE-24-28-16-W to Dallas Klassen who 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-31-27-13-W, NW-31-27-13-W, NW-32-27-13-W, NE-05-28-13-W, NW-05-28-13-W, NE-05-28-13-W, NW-05-28-13-W, NE-05-28-13-W, NE-06-28-13-W, NE-07-28-13-W, NE-07-28-13-W, NW-07-28-13-W, NW-07-28-13-W, NW-07-28-13-W, NW-07-28-13-W, NW-07-28-13-W, NW-07-28-13-W, NW-07-28-13-W, NW-08-28-13-W, NE-08-28-13-W, NW-08-28-13-W, NE-08-28-13-W, NW-08-28-14-W, NE-01-28-14-W, DAVID AND CAROL SRAYBASH of ment on or object to the potential transcored first forage lease to this purchaser please write to: Director, Manitoba Agriculture, Agricultural Crown Lands, Box 1286, Minnedosa, MB. ROJ 1EO or fax 204-867-6578.

PASTURES

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FARMS WANTED. If you are considering selling your farm, contact me. I have eight years experience selling farms and farmed all my life. All discussions are confidential. Rick Taylor, Homelife Home Professional Realty. 204-867-7551, rtaylor@homelife com www.homelifearc.com life.com www.homelifepro.com

ACREAGES

HOBBY FARM AUCTION, Sat., Oct. 8th 80 acres with yardsite, MacGregor, MB Check website www.nickelauctions.com

SCENIC SETTING, 158 acres and house, near Prov. Park, \$190,000. 204-569-4927, countrypoppies@gmail.com Cowan, MB.

-2-25-27-W1st. PICTURESQUE 14.05 acre holding, located approx. 15 miles south of Roblin, MB. Includes numerous outbuildings and older dwelling. Contact Roblin Realty and Travel, Terry Hawryluk, 204-247-0672, 204-937-4698.

RECREATIONAL VEHICLES

ALL TERRAIN VEHICLES 6161

HONDA 420 CAMO ATV, 1 owner, winch heated handlebars 2" hitch exc. cond. heated handlebars, 2" hitch, exc. cond. \$4500 OBO. 306-491-2227, Blaine Lake, SK

CAMPERS/TRAILERS



2012 ALPINE 3700RE, dual AC, 4 slides, double fridge, built-in vac, sleeps 4, plumbed for washer/dryer, 3 TV's, DVD surround sound, fireplace, low mileage and use, power awning, vg, \$39,900. Would consider farm tractors or heavy trucks on trade. 306-237-7667, Perdue, SK

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WANTED: NEWER CLASS A or C motor home. Gas or diesel. Must be in excellent condition. Call 204-683-2398.



NORMAN AND FERN LUSSIER of Lac du 2007 FLEETWOOD EXCURSION 40' w/Cat ed, includes washer/dryer, Autotrack ellite and diesel corre diesel, only 35,000 miles, completely load ellite and diesel generator, 306-867-3716, Loreburn, SK.

RENTAL/ACCOMODATIONS

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ELIAS SCALES MFG., several different ways to weigh bales and livestock; Platform scales for industrial use as well, nonelectric, no balances or cables (no weigh like it). Shipping arranged. 306-445-2111, North Battleford, SK. www.eliasscales.com

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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: seedsemence@inspection.gc.ca or phone 1-800-442-2342

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CORN

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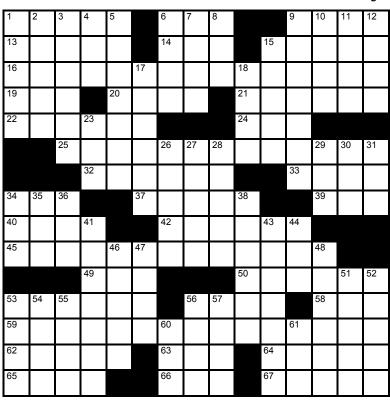
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Crossword

by Adrian Powell

Lettuce Pray?



ACROSS

- Founded (on)
- Amateur radio operator
- Where your nose is
- 13 Duck away from
- 14 Big name in bouillon cubes
- 15 Four-time Wimbledon champ of the sixties
- 16 That tender, topmost bit of lettuce?
- 19 Homer Simpson's dad
- 20 Myanmar borders it 21 Flips inside-out
- 22 High-ranking Sikh
- 24 Movie set VIP
- 25 Fish stick look-alikes for salad lovers?
- 32 Closer to one's heart 33 Popular Danish royal name
- "___ you insane?!"
- 37 Track events 39 Cowboy Rogers
- 40 More than raunchy
- 42 Jamboree participants 45 Lettuce with a really long shelf life? 26 Use whiteout, e.g.
- 49 MP's supportive shout
- 50 The magic word
- 53 Peacock tail spots
- 56 Tennis star AIDS activist of the 80s 30 Where to participate in the Yeshiva student
- Salad green that never really
- sprouted? 62 Unsighted

- 63 1970 Pulitzer winner Huxtable
- 64 Old western, slangily
- 65 Red chalcedony
- 66 Sales agt.
- 67 Responses to bad puns

- Obsolete VCRs Proof of innocence, maybe
- Magnificent
- Japanese capital of 200 years ago 52 Big jugs
- Release air from
- Alternative to a "Ding Dong"
- Woodsmen's tools
- Query from Miss Piggy
- Big name in eggs
- 10 State with conviction
- Sure thing, slangily 12 Small measures of work
- 15 "Deathtrap" playwright
- 17 Hard dental plaque
- 18 Accra's currency 23 Firework that doesn't work
- 27 Reconnaissance, slangily
- 28 Fridge gas, once
- 29 Fumble or stumble
- Paralympics 31 Sun spot?
- 34 It's drawn in pubs
- 35 Sermon deliverer, briefly

- 36 Ram's lady
- 38 Drugs that were antimicrobial agents
- 41 Welcome sight to Noah
- 43 Verizon or Sprint 44 Contest entry encl.
- 46 Freezing cold
- 47 Watery downpour 48 Tex-Mex serving
- 51 Deadly sins number
- 53 Heavenly bodies, to bards
- 54 Pepsi product
- 55 Sultan's pal, perhaps
- ____-de-camp
- 57 Break in two
- 60 Sound receiver
- 61 "The ___ of Pooh"

SOLUTION TO PUZZLE

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TAKE FIVE

Sudoku

7			2	3				5
1	4		9	5	6			
8		3	7				6	
	3					9		1
4				9				8
2		7					5	
	7				1	5		2
			3	2	9		1	6
9				6	7			3

Last week's answer

4	2	5	1	3	6	7	9	8
8	9	1	2	5	7	6	3	4
7	3	6	8	9	4	1	5	2
5	1	4	3	6	2	9	8	7
6	7	9	5	8	1	4	2	3
2	8	3	7	4	9	5	6	1
1	5	8	9	7	3	2	4	6
3	4	2	6	1	5	8	7	9
9	6	7	4	2	8	3	1	5
				Pu	zzle b	y web	sudok	u.com

Puzzle by websudoku.com

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Sudoku puzzles are formatted as a 9x9 grid, broken down into nine 3x3 boxes. To solve a sudoku, the numbers 1 through 9 must fill each row, column and box. Each number can appear only once in each row, column and box. You can figure out the order in which the numbers will appear by using the numeric clues already provided in the boxes. The more numbers you name, the easier it gets to solve the puzzle!



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heavens on the 29th and will have a beautiful

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Jeffrey Britton

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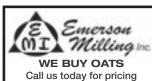
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Early Deadline for the September 8th issue is

Wednesday, Aug., 31st at 12 Noon



SEPTEMBER HTAON rannesky maps Capella 2016 Instructions: Hold the sky map over your head with the top of the map facing north. Bright Venus and Jupiter struggle to hold on to their **CASSIOPEIA** DIPPER dominance of the night 31TTL sky. Both planets can be seen peeking just over the western horizon as they shine in strong twilight. The dazzling duo has a visit from a stunning sliver of the Moon on the 2nd and 3rd. Ruddy Mars and golden Saturn will HERCULES hang low in the southsouthwest at nightfall and will set in the westsouthwest well before the midnight hour. As darkness falls on the 8th the crescent Moon pairs up with the ringed planet Saturn. On the next evening SAGITTARIUS the 9th. the first quarter phase Moon pays a visit to the Red Planet Mars. On the 16th the Northern Hemisphere's Harvest SOUTH Sky map shows how Full Moon will light up the eastern sky after the the night sky looks Sun sets and will shine from dusk until dawn. Early Sept. 10 P.M. The autumnal equinox occurs on the 22nd and 16 23 Late Sept. 9 P.M. the Sun rises due east and sets due west. The 30 Sun sets and rises faster at the time of an equinox. Mercury pops into the morning eastern

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'13 New Holland CX8090 Combine, 682hrs, 449HP, Excellent cond., 520 DUALS, CAST, Y&M, SPREADERS, HIDS, 790CP-15FT



'11 New Holland CX8080
Combine, 2260hrs, 360HP, Good cond., 520 DUALS, 600/65R28 STEERS. LARGE TOUCH SCREEN DISPLAY



'11 New Holland CR9080Combine, 1135hrs, 620 DUALS, S3, HID'S, DSP, DELUX CHOPPER, 790CP-15



'08 New Holland CX8080
Combine, 1785hrs, 360HP, Good cond., 900/65R32
Tires. CAST. BLOWERS. 76C Swathmaster



10 New Holland CX8070Combine, 1160hrs, Excellent cond., 900/60R32
TIRES/600/65R28 REARS, HD LIFT CYL, 76C



'15 New Holland 840CD-35FT Header, 35FT, TRANSPORT, GUAGE WHEELS, AHHC, X-AUGER



10 New Holland 94C-42FT CR/CX Draper Head, 42FT CR/CX, GUAGE WHEELS. SPLIT UII REEL. HYD F/A. HYD TILT



'08 New Holland BR7090Round Baler, Good cond., 1.5M PICK UP, LACED BELTS. 31X13.5-15 TIRES. HYD. PICK UP



'15 MacDon D65-35FTCNH Header, 35FT, CNH ADAPTER, TRANSPORT, ROCK RETARDER KIT



'11 New Holland T8.275Tractor, MFD, 1435hrs, 275HP, 18F/4R POWERSHIFT, 480/80R46 DUALS. 380/85R34 FRONTS

SWATHERS
2013 CHLGR WR9740\$99,000
2012 NH H8060-36FT \$105,000
2008 NH H8040-36FT\$79,000
2003 NH HW320-25FT/HS16 \$41,000
2002 MB 2952-36FT
1999 MB 9200\$46,900
1997 MB 9300\$27,857
1989 JD 590
COMBINES
2015 NH CX8090\$459,000
2014 NH CX8090
2013 NH CX8090\$344,000
2011 NH CX8080\$170,000
2011 NH CR9080\$267,000
2011 NH CR9080\$239,900
2010 NH CX8080\$209,900
2010 NH CX8070\$188,000
2009 NH CX8080\$185,000
2009 NH CR9070

1996 JD 9600
COMBINE HEADS
2015 NH 840CD-35 \$83,000
2015 NH 840CD-35 \$83,000
2015 NH 840CD-35 \$83,000
2015 MB D65-35FT CNH \$78,000
2013 NH 840CD-35\$67,000
2013 NH 840CD-35\$67,000
2010 NH 94C-42FT CR/CX\$65,000
2009 NH 94C-42FT CR/CX\$50,000
2009 NH 94C-36FT CR/CX\$43,000
2008 NH 94C-36FT CR/CX\$39,000
2008 NH 94C-36FT CR/CX\$37,000
2003 JD 936\$29,900
2000 CIH 1042-36\$24,200
SEEDING
2016 NH P4460:-TBH\$187,143
2015 JD 1910 TBT \$139,000

2008 NH CX8080......\$169,000

2014 SEMST SXG-604 6012 \$205,000
2012 JD 1870-56FT-12IN
2012 SEMST 8012 CT TXB
w/300 Onboard tank and JD1910 \$295,000
2012 MR 8650\$105,000
2011 MR 8370
2011 NH P1060-TBH-MEC\$59,000
2010 JD 1910 TBH\$55,000
2009 NH P2070 70FT X 12IN\$65,000
2009 SEMST 5012 TXB\$88,000
2009 NH P1060\$44,000
2008 SEMST TXB 50FT-12IN
c/w 5440 TBH\$108,000
2007 SEMST TXB66-12 DUAL
NH3 Tanks\$75,000
2005 MR MAX II
2002 MR MAXIM\$19,000
2000 FC 5000\$19,000
1998 JD 1900\$13,900
1996 CC AT-4010-5 PLX\$45,900

NOOND BALLING
2009 NH BR7090
2008 NH BR7090
1999 NH 688\$ 8,900
SPRAYERS
1990 FC SYS 62\$3,200
1994 WM 765HT\$21,000
TRACTORS
2016 VA 550DT\$490,000
2014 VA 550DT\$395,000
2013 JD 9560RT\$375,000
2011 NH T8.275
2010 NH T7040\$110,000
2003 NH TM140\$59,900
1998 NH 9682\$77,000
1997 CIH 9350\$78,000
1996 NH 9482\$ 56,000
1992 MF 3690\$35,000

ROUND BALERS



'96 New Holland 9482Tractor, 4WD, 7200hrs, Engine Hours: 7200 Engine Horsepower: 310 20.8R42 Duals Performance



15 New Holland Boomer 24Tractor, 4WD, Excellent cond., BOOMER 47 \$27,500
260TLA Loader \$7,500 BOOMER 37 \$21,900 250 \$13,800



11 New Holland P1060 TBH Air Cart, Excellent cond.



16 New Holland P4460Air Cart, 4Tank, 460bu, DS, Sectional Control, 650 Duals, Dlx Auger



'16 WATER CANNON 8"X83' Pump, Excellent cond., 8" X 83' SINGLE KNOZZLE. 110 PTO HP



'15 Versatile 500DTTractor, 4WD, 550HP, Excellent cond., PS, 30"
TRACKS, 110GPM, 6 REMOTES, PTO, LUX CAB, GPS



'09 New Holland P2070 - 70'Air Drill, NH Opener, Double Shoot, Floatation
Tires



'07 SeedMaster 6612NH3 c/w P1060 TBH Air Drill, 66FT, 12IN, DB SHOOT, ON BOARD TWIN NH3, 430BU, 3 TANK



Windrower / Swather, 635hrs, Excellent cond., 36FT, SCHUMACHER, UII, DELUXE CAB, CAB SUSPENSION



'13 John Deere 9560RT Tractor, 1877hrs, PTO 1000 Tracks 36" Durabuilt 5500 5 Hyd Outlets Drawbar Cat 5 Heavy Duty



Highway #2 South
Ph: 306-946-3301
Fax: 306-946-2613



Highway #6 North
Ph: 306-746-2911
Fax: 306-746-2919



Highway #10 East Ph: 306-783-8511 Fax: 306-782-5595